



**DRAFT**

**HAZARDOUS WASTE OPERATING PERMIT**

**SHINTECH LOUISIANA, LLC-PLAQUEMINE PLANT 2**

**EPA ID# LAD 081 419 418**

**Agency Interest# 126578**

**Iberville Parish  
Plaquemine, Louisiana**

**PER20090007**

**Permit Number LAD 081419418-OP-2**

BOBBY JINDAL  
GOVERNOR



PEGGY M. HATCH  
SECRETARY

State of Louisiana  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

JUN 01 2010

Mr. David Wise  
Vice President  
Shintech Louisiana, LLC  
Plaquemine Plant - 2  
P.O. Box 358  
Plaquemine, LA 70764

RE: Shintech Louisiana, LLC - Plaquemine Plant 2  
AI#126578/LAD081419418-OP-2/ PER20090007  
Draft Hazardous Waste Operating Permit

Dear Mr. Wise:

Attached is your copy of the Shintech LA, LLC-Plaquemine Plant 2, draft hazardous waste operating permit (LAD081419418-OP-2), which contains language pertaining to the operation of the Hydrochloric Acid Production Furnace (HAPF-2), hazardous waste storage tanks 2MTK-496, 2MTK-499A, 2MTK-499B, 2MTK-501 and Container Storage Area 2 at the Plaquemine 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. The specific dates for the beginning and ending of the comment period are contained in the attached public notice. By request and if the LDEQ finds a significant degree of public interest, a public hearing will also be scheduled at least forty-five (45) days after the date on which the public notice is given.

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

Please reference your Agency Interest Number (126578), EPA ID Number (LAD081419418), and the Permit Activity Number (PER20090007) on all future correspondence pertaining to this matter. If you have any questions, please contact Mr. Donelson Caffery of the Waste Permits Division at (225) 219-3056 or Ms. Soumaya Ghosn of the Public Participation Group at (225) 219-3276.

Sincerely,

Sam Phillips  
Administrator  
Waste Permits Division

# **FACT SHEET**

## **FACT SHEET**

**FOR THE DRAFT HAZARDOUS WASTE OPERATING PERMIT  
PREPARED FOR**

**SHINTECH LOUISIANA, LLC  
Plaquemine Plant - 2**

**EPA ID # LAD081419418  
Agency Interest # 126578  
PER20090007**

**Plaquemine, Louisiana  
Iberville Parish**

**Permit Number LAD081419418-OP-2**

### **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 operating permit for Shintech Louisiana, LLC-Plaquemine Plant 2, EPA ID Number LAD081419418, Agency Interest Number 126578, for the facility located in Plaquemine, Iberville Parish, Louisiana.

Shintech Louisiana, LLC – Plaquemine Plant 2 is seeking a hazardous waste operating permit governing the operating activities of the Hydrochloric Acid Production Furnace (HAPF) unit, storage and treatment tanks and a container storage area at its Plaquemine Plant.

The Louisiana Department of Environmental Quality (LDEQ) has prepared this draft hazardous waste operating permit which addresses the requirements of LAC Title 33, Part V, Subpart 1 and the Federal Resource Conservation and Recovery Act (RCRA).

### **II. THE PERMITTING PROCESS**

The purpose of this fact sheet is to initiate the permit decision process. The LDEQ's Office of Environmental Services - Waste Permits Division (OES-WPD) is required to prepare this draft hazardous waste permit. The permit sets forth all the applicable conditions, which the Permittee is required to comply with during the life of the permit. Shintech Louisiana, LLC-Plaquemine Plant 2 submitted its Hazardous Waste Part B Permit Application, dated November 2009 and Addendums in 2010 to comply with the hazardous waste regulations as per 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.

The public is given a minimum of forty-five (45) days to review and comment on the draft operating 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 operating permit in accordance with LAC 33:V.705.

**A. DRAFT HAZARDOUS WASTE PERMIT**

The Waste Permits Division reviewed the permit application and other pertinent technical information, and prepared a draft permit that contains the language that pertains to the operational activities 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 Shintech Louisiana, LLC-Plaquemine Plant 2, must do so within the allotted forty-five (45) day comment period.

A public hearing will be held only if requested and if there is significant interest in the permit decision. If a public hearing is held, the date, location, and time will be provided in a public notice of the hearing. LDEQ will hold the hearing within forty-five (45) days after the public notice.

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 5<sup>th</sup> 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 operating permit, fact sheet, and supporting documents are available for review at the **Iberville Parish Library Headquarters, 24605 J. Gerald Berret Blvd., Plaquemine, LA 70764-0736.**

**D. WRITTEN COMMENT SUBMISSION**

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

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

All comments, requests for a public hearing, 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. Donelson R. Caffery, P.E.  
Louisiana Department of Environmental Quality  
Office of Environmental Services  
Waste Permits Division  
Post Office Box 4313  
Baton Rouge, LA 70821-4313  
(225) 219-3181 or fax (225) 219-3158

### III. DESCRIPTION OF OVERALL SITE

Shintech Louisiana, LLC-Plaquemine Plant 2 (SPP-2) is a chemical manufacturing facility that produces vinyl chloride monomer (VCM). In addition, SPP produces intermediate products such as chlorine and ethylene dichloride (EDC). The facility is located on the west bank of the Mississippi River near Plaquemine, Louisiana, Iberville Parish, comprised of 1,735 acres located at latitude 30° 16' 22" N and longitude 91° 9' 60" W.

### IV. HAZARDOUS WASTE FACILITIES

This draft hazardous waste operating permit is only applicable to the Hydrochloric Acid Production Furnace-2 (HAPF-2), tanks 2MTK-496, 2MTK-499A, 2MTK-499B, 2MTK-501 and Container Storage Area-2.

The HAPF will be installed to combust a liquid hazardous waste stream containing waste codes D001 (hazardous wastes that exhibit the characteristic of ignitability), K019 (heavy ends from the distillation of EDC from EDC production) and K020 (heavy ends from the distillation of vinyl chloride from VCM production). This waste may be generated at either the Plaquemine Plant 1 or 2.

The waste stream is then directed to any one (1) of the three (3) storage tanks. The waste stream is pumped from one (1) of the storage tanks to the waste feed tank (2MTK-501) and then to HAPF-2 which will combust the waste and produce hydrogen chloride (HCl). No other waste will be blended with this waste stream.

The container storage area will store hazardous wastes generated from other plant operations and maintenance. These wastes may include carbon scale, spent solvents, sludges, laboratory wastes, contaminated debris and if necessary, remediation wastes.

Shintech previously received a final hazardous waste operating permit for the Shintech Louisiana, LLC-Plaquemine Plant 1 (SPP-1) on May 20, 2009, with an effective date of July 4, 2009.

## V. FINANCIAL AND LIABILITY REQUIREMENTS

SPP-2 is a new facility. SPP-2 will submit documentation to satisfy the financial assurance requirements at least sixty (60) days before the initial receipt of hazardous waste to the units for treatment and storage in accordance with LAC 33:V.Chapter 37.

## VI. SUMMARY OF ENVIRONMENTAL FACTORS CONSIDERED

In accordance with the requirements set forth by the Louisiana Supreme Court in (Save Ourselves v. La. Env'tl. Control Comm'n 1152 (La. 1983)), the LDEQ has considered factors in the draft decision on this hazardous waste operating permit. As part of the Part B permit application, Shintech Louisiana, LLC-Plaquemine Plant 2 submitted the "IT Questions" which addresses a facility's impact on the human health and the environment in the vicinity of the proposed or existing facility. This is a preliminary analysis based on information currently available to the LDEQ.

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

Shintech Louisiana, LLC-Plaquemine Plant 2 is a chemical manufacturing facility. Shintech Louisiana, LLC-Plaquemine Plant 2 has developed a waste analysis plan, training program, inspection plan and a contingency plan with arrangements with local authorities to assist in the management of hazardous waste to minimize impacts to the environment and/or personnel. These documents and arrangements are updated annually and/or as needed. This permit does not propose the alteration of waste classifications, codes or characteristics. The design and operational procedures associated with this permit will comply with all regulatory and permit requirements to prevent the non-compliant release of any material into the environment.

### 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.**

The construction and operation of the Shintech Louisiana, LLC-Plaquemine Plant 2 will provide social and economic benefits to the local community while causing minimal environmental impact costs through the operation of the plant. The need for the units to be permitted was determined to be necessary because of the on-site generation of hazardous waste. The units included with this draft permit will be operated to satisfy the needs of the facility in the safest and most secure manner of on-site waste management. Public costs will not be affected by the continuing operation of the facility.

The annual operation of SPP-1 and SPP-2 in Iberville Parish will result in approximately 250 permanent jobs with an annual payroll of \$7.4 million, and an estimated 50 contract employees with a payroll of \$2 million per year. SPP-1 and SPP-2 will produce revenues of \$650 million per year, based on current prices of chemical products.

**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.**

**1. ALTERNATIVE PROJECTS**

Combustion has been cited as the presumed waste treatment strategy under the USEPA land disposal regulations. Specifically, the waste streams under these regulations cannot be disposed of in land-based units unless the wastes are treated first in accordance with the land disposal treatment standards under 40 CFR Part 268, Subpart D. Similarly, on April 8, 1988, combustion was established as the Best Demonstrated Available Technology (BDAT) for the specific VCM/EDC waste streams D001, K019, K020 (see 53 FR 11755). Other treatment options such as Solvent Extraction, Catalytic Oxidation, High Temperature Gas Phase Reduction and Electrochemical Oxidation are not environmentally superior to combustion nor are they technically compatible with the VCM plant.

**2. ALTERNATIVE SITE**

Shintech selected four (4) alternative sites located in proximity to its existing PVC plants in Freeport, Texas and Addis, Louisiana. The need for pipeline connections between the Plaquemine plant and Shintech's existing PVC plants made the proximity to Freeport or Addis a priority. Shintech evaluated and compared the four (4) alternative plant sites based on environmental and feasibility criteria. Because of the deep water access, the low population density, the agricultural and industrial development of the surrounding land use and other environmental criteria, the SPP site offers the most protection to the environment without unduly curtailing non-environmental benefits.

**3. MITIGATING MEASURES**

There are no mitigating measures that will offer more protection to the environment without unduly curtailing non-environmental benefits to the extent applicable. The facilities are and will be designed and operated for the storage and thermal treatment of hazardous waste generated on-site.

Some wastes generated on-site will be treated in the HAPF unit to reduce off-site disposal. Wastes that cannot be treated on-site will be sent off-site for appropriate treatment/disposal. But off-site treatment/disposal of waste will be minimized to the extent possible.

# **TECHNICAL REVIEW WORKSHEET**

## Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	Shintech Louisiana, LLC	AI #: 126578	TEMPO Activity No: PER20090007
Facility Name:	Plaquemine Plant - 2	Remarks Submitted by:	
Permit Writer:	Donelson Caffery	Permit Writer Email address: Donelson.caffery@la.gov	

## Instructions

**Permit Reference** – Indicate specific portion(s) of the permit to which the remark relates (i.e. “Permit Condition II.E.21.a”). **Remarks** – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information *must be submitted*. Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

**DEQ Response** – **DO NOT COMPLETE THIS SECTION**. This section will be completed by Waste Permits Division of DEQ, included in the proposed permit package and made available for public review during any required public comment period.

- Additional rows may be added as necessary.

- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

- **DO NOT USE THIS FORM TO SUBMIT COMMENTS DURING THE OFFICIAL PUBLIC COMMENT PERIOD.**

Permit Reference	Remarks	Waste Permits Division Response (for official use only)
Fact Sheet Section IV. Hazardous Waste Facilities	Please note that waste from SPP-1 and SPP-2 can be stored and treated at SPP-2 Units.	LDEQ acknowledges and concurs with this comment. Section IV of the Fact Sheet has been amended to indicate that the waste stored or treated in the SPP-2 units may be generated at either SPP-1 or SPP-2.
Permit Condition II.E.9.c.(1).	The correct regulatory reference in the third paragraph is LAC 33.I.4501.	LDEQ acknowledges and concurs with this comment. The regulatory reference in this condition has been corrected.
Permit Condition II.E.20.	Please add “as applicable” to the end of the signatory requirement.	LDEQ acknowledges but does not concur with this comment. The draft permit has not been changed.
Permit Condition	Please clarify that “off-site” does not include SPP-1 waste.	LDEQ acknowledges and concurs with this comment. A

III.A.3.		statement has been added to this condition to clarify that waste generated at SPP-1 is not considered to be off-site waste relative to the SPP-2 hazardous waste management units.
Permit Condition III.P.	Shintech request that additional language be added to this section regarding alternative risk-based closure in accordance with LAC 33.I.Chapter 13 per LAC 33:V.3507.	LDEQ acknowledges and concurs with this comment. Additional language has been added to this condition regarding alternative risk-assessment-based closure in accordance with LAC 33.I.Chapter 13 and LAC 33:V.3507.B.
Table 2 Container Storage Area	The nomenclature for the container storage area is "Container Storage Area 2".	LDEQ acknowledges and concurs with this comment. The container storage area designation has been changed to "Container Storage Area 2" throughout the draft permit.
Permit Condition V.A.1.b.(4).	Please clarify that "offsite" does not include SPP-1 waste.	LDEQ concurs with this comment. A statement has been added to this condition to clarify that waste generated at SPP-1 is not considered to be off-site waste relative to the SPP-2 hazardous waste management units.
Permit Condition V.A.6.e.(1).	Please clarify that authorized inspectors may take the tank thickness measurements on tank tops and shells.	LDEQ acknowledges but does not concur with this comment. V.A.6.e.(1) specifies "the Permittee" in order to not require an authorized inspector to perform external tank thickness readings. Shintech may perform this work with its own personnel or may choose to have it done by a third-party authorized inspector. The draft permit has not been changed.
Permit Condition V.A.7.b.(6).	Please clarify that an engineer certification will not be required for routine maintenance activities.	LDEQ acknowledges and concurs with this comment. An additional statement has been added to this condition to clarify that no engineer certification is needed for non-major repairs.
Permit Condition III.S.	Shintech does not own or operate a surface impoundment, landfill, land treatment facility, or miscellaneous disposal unit to manage hazardous waste. Therefore, non-sudden accidental coverage is not required. Shintech request the removal of the non-sudden accidental coverage permit condition.	LDEQ acknowledges and concurs with this comment. Shintech's application does not include any surface impoundments, landfills, land treatment facilities, or miscellaneous disposal units. The language requiring liability coverage for non-sudden accidental occurrences has been removed from this condition.
Table 7 Design and Operating Parameters for RCRA Tank Systems	See the attached.	LDEQ acknowledges and concurs with this comment. Table 7 has been corrected.
Table 8 HAPF-2 Inspections	Please clarify that the daily inspections for the burner system, waste feed system, combustion chamber, and continuous process monitors are visual daily inspections.	LDEQ acknowledges and partially concurs with this comment. Table 8 has been changed to clarify that the daily equipment inspections required are visual only. The required inspection for the process monitors is a data review rather than a visual

Attachment 1	The Personnel Training and Inspection Plans were included in the Response to Notice of Deficiency, Attachments 8 and 9, respectively.	inspection per se. LDEQ acknowledges and concurs with this comment. Attachment 1 has been changed to give the correct references.
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TABLE 7  
DESIGN AND OPERATING PARAMETERS FOR RCRA TANK SYSTEM

Tank No.	Service	Dimensions (D X H or L)	Permitted Capacity (gallons)	Design Standard	Inspection Standard	Design Temperature (°F)	Design Pressure	Materials of Construction	Nominal Thickness (inches)	Minimum Thickness incl. Corrosion Allowance (inches)	Secondary Containment Type and Net Capacity (gallons)
2MTK-496	Wastes liquid Storage	Vertical: 46'-0" X 24'-3/8"	287,622	API 650 11th Edition	API 653	182	+11.81/ -3.93 w.c.	Carbon Steel	Shell: 0.3125/0.2500 Bottom: 0.375	Shell: 0.2890 No. 2338 Bottom: 0.250 (*)	Common Concrete Paving and Dike: 318,300 GAL
2MTK-498A	Wastes liquid Storage	Horizontal: 12'-6" X 50'-3/8"	48,920	ASME Section VIII Division 1 2007 Edition	API 510	200	116 psig	Carbon Steel	Shell: 0.750 Head: 0.875	Shell: 0.67210 Head: 0.58727	
2MTK-498B	Wastes liquid Storage	Horizontal: 12'-6" X 50'-3/8"	48,920	ASME Section VIII Division 1 2007 Edition	API 510	200	116 psig	Carbon Steel	Shell: 0.750 Head: 0.875	Shell: 0.67210 Head: 0.58727	
2MTK-501	HAPF feed tank	Vertical: 8'-10" X 13'-11"	7,985	ASME Section VIII Division 1 Latest Edition	API 510	185	30 psig	Carbon Steel	Shell: 0.4375 Head: 0.4375	Shell: 0.1896 Head: 0.126	Concrete Paving and Dike: 12,600 GAL

Note 1: as per code (w/o CA)

# **PUBLIC PARTICIPATION**

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**SHINTECH LOUISIANA, LLC - PLAQUEMINE PLANT 2**  
**PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT**  
**ON A DRAFT HAZARDOUS WASTE OPERATING PERMIT AND**  
**THE ASSOCIATED ENVIRONMENTAL ASSESSMENT STATEMENT**

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on a draft Hazardous Waste Operating Permit and the associated Environmental Assessment Statement (EAS) for Shintech Louisiana LLC - Plaquemine Plant 2, P.O. Box 358, Addis, LA 70710 for the following units: Hydrochloric Acid Production Furnace - 2 (HAPF-2), Tanks 2MTK-496, 2MTK-499A, 2MTK-499B, 2MTK-501, and Container Storage Area 2. **The facility is located at 26270 Highway 405, Plaquemine, Iberville Parish.**

The hearing will be held on **Thursday, August 5, 2010, beginning at 6:00 p.m., at the Iberville Parish Courthouse, 2<sup>nd</sup> Floor Council Meeting Room, 58050 Meriam Street, Plaquemine, LA.** During the hearing, all interested persons will have an opportunity to comment on the draft permit and the EAS.

Shintech Louisiana, LLC - Plaquemine Plant 2 requested a Hazardous Waste Operating Permit for the units referenced above for the treatment and storage of hazardous wastes. Shintech Louisiana, LLC-Plaquemine Plant 2 is a chemical manufacturer of ethylene dichloride (EDC) and vinyl chloride monomer (VCM). During the production of EDC and VCM, Shintech generates hazardous waste classified as ignitable (EPA waste code D001), heavy ends from the distillation of EDC in EDC production (EPA waste code K019), and heavy ends from the distillation of VCM in VCM production (EPA waste code K020).

The EAS submitted by the applicant addresses avoidance of potential and real environmental effects, balancing of social and economic benefits against environmental impact costs, and alternative sites, projects and mitigative measures.

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., Monday, August 9, 2010.** 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 2009 Hazardous Waste Part B Permit Application, the April 2010 Response to NOD #1, the April 2010 Revisions to the Response to NOD #1 and the draft permit are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> 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](http://www.deq.louisiana.gov).**

An additional copy may be reviewed at the Iberville Parish Library Headquarters, 24605 J. Gerald Berret Blvd., Plaquemine, LA.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Ms. Barbara Mason at the above address or by phone at (225) 219-3280.

Inquiries or requests for additional information regarding this permit action should be directed to Donelson Caffery, LDEQ, Waste Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3056.

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

**Permit public notices including electronic access to the draft permit and associated information** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://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](http://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](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm)

**All correspondence should specify AI Number 126578, Permit Number LAD081419418-OP2, and Activity Number PER20090007.**

**Publication date: June 17, 2010**



**BOBBY JINDAL**  
GOVERNOR

**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

6/15/2010

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

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

**RE: Public Hearing and Request For Public Comments On a  
Hazardous Waste Operating Permit  
Shintech Louisiana LLC - Plaquemine PVC Plant  
A1126578, PER20090007, Permit Number NA  
Plaquemine, Iberville Parish, Louisiana**

Dear Mr. Fruitwala:

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

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

*Advocate*  
*Plaquemine Post-South*  
*WYNK-FM*

*Thursday, June 17, 2010*  
*Thursday, June 17, 2010*  
*Thursday, June 17, 2010*

It is also posted on the LDEQ Website, found at [www.deq.state.la.us](http://www.deq.state.la.us). Written comments on this permit action 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. 126578.

Should you have any questions, additional permit information may be obtained from Don Caffery, 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) 219-3280.

Please complete the attached 'Verification of Receipt' and mail to me at LDEQ-OES, Permits Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313 or Fax to (225) 325-8163. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3280.

Sincerely,

*Barbara Mason*

Barbara Mason  
Environmental Project Specialist  
Public Participation Group

BM  
Attachments/



**BOBBY JINDAL**  
GOVERNOR

**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

6/15/2010

Telephone: (225) 687-3257  
Fax: (225) 687-5277

Mr. J. Mitchell Ourso, Jr., President  
Iberville Parish Council  
P. O. Box 389  
Plaquemine, LA 70765-0398

**RE: Public Hearing and Request For Public Comments On a  
Hazardous Waste Operating Permit  
Shintech Louisiana LLC - Plaquemine PVC Plant  
A1126578, PER20090007, Permit Number NA  
Plaquemine, Iberville Parish, Louisiana**

Dear Mr. Ourso:

The Louisiana Department of Environmental Quality (LDEQ) is requesting public comments regarding permitting actions for the Shintech Louisiana LLC - Plaquemine PVC Plant, 26270 Hwy 405, Plaquemine, LA. Detailed information regarding the date, time and location of the public hearing is available in the attached public notice.

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

*Advocate*  
*Plaquemine Post-South*  
*WYNK-FM*

*Thursday, June 17, 2010*  
*Thursday, June 17, 2010*  
*Thursday, June 17, 2010*

It is also posted on the LDEQ Website, found at [www.deq.state.la.us](http://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. 126578

Should you have any questions, additional permit information may be obtained from Don Caffery, 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 LDEQ, Permits Support Services Division, Permits Support Section, at (225) 219-3280.

Please complete the attached 'Verification of Receipt' and mail to me at LDEQ-OES, Permits Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313, or Fax (225) 325-8163. We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3280.

Sincerely,

*Barbara Mason*  
Barbara Mason  
Environmental Project Specialist  
Public Participation Group

BM

Attachments/



**BOBBY JINDAL**  
GOVERNOR

**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

6/15/2010

Telephone: (225) 219-3600

Fax: (225) 219-3695

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

**RE: Public Hearing and Request For Public Comments On a  
Hazardous Waste Operating Permit  
Shintech Louisiana LLC - Plaquemine PVC Plant  
A1126578, PER20090007, Permit Number NA  
Plaquemine, Iberville Parish, Louisiana**

Dear Mr. Mayweather:

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

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3280.

Sincerely,

*Barbara Mason*

Barbara Mason  
Environmental Project Specialist  
Public Participation Group

BM

Attachments/



**BOBBY JINDAL**  
GOVERNOR

**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

6/15/2010

Telephone: 225-687-2520  
Fax: 225-687-9719

Mr. Dan J. Ball, Director  
Iberville Parish Library - Headquarters  
24605 J Gerald Berret Blvd  
Plaquemine, LA 70764

**RE: Public Hearing and Request For Public Comments On a  
Hazardous Waste Operating Permit  
Shintech Louisiana LLC - Plaquemine PVC Plant  
A1126578, PER20090007, Permit Number NA  
Plaquemine, Iberville Parish, Louisiana**

Dear Mr. Ball:

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 - Headquarters. 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), Hazardous 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 me at LDEQ-OES, Permits Support Services Division, PO Box 4313, Baton Rouge, LA 70821-4313 or Fax to (225) 325-8163.

We appreciate your assistance in our efforts to serve the public. If you have any questions, please call me at (225) 219-3280.

Sincerely,

*Barbara Mason*

Barbara Mason  
Environmental Project Specialist  
Public Participation Group

BM

Attachments/

# **SIGNATURE PAGE**

**DRAFT  
HAZARDOUS WASTE OPERATING PERMIT**

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OPERATING PERMIT  
FOR HAZARDOUS WASTE STORAGE AND COMBUSTION**

**PERMITTEE:** SHINTECH LOUISIANA, LLC-PLAQUEMINE PLANT 2

**PERMIT NUMBER:** LAD 081419418-OP-2  
Agency Interest #126578/Permit Activity # PER20090007

**FACILITY LOCATION:** 26270 HIGHWAY 405  
P.O. BOX 358  
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA, 70764

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 Shintech Louisiana, LLC-Plaquemine Plant (hereafter called the Permittee), to operate a hazardous waste treatment and storage facility near Plaquemine, Louisiana, at latitude 30° 16' 22" and longitude 91° 9' 60".

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

The permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein and the applicable regulations contained in the Louisiana Administrative Code, Title 33, Part V, Subpart 1, (LAC 33:V.Subpart 1). Applicable regulations are those that are in effect on the effective date of issuance of this permit, except as provided in LAC 33:V.307.

This permit is based on the assumption that the information provided to LDEQ by the Permittee is accurate.

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.

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

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

\_\_\_\_\_  
Cheryl Sonnier Nolan, Assistant Secretary  
Louisiana Department of Environmental Quality

\_\_\_\_\_  
Date

# **PART A APPLICATION**

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

<p><b>SEND COMPLETED FORM TO:</b> The Appropriate State or EPA Regional Office.</p>	<p>United States Environmental Protection Agency <b>RCRA SUBTITLE C SITE IDENTIFICATION FORM</b></p>						
<p><b>1. Reason for Submittal</b> (See Instructions on page 14.)</p> <p>MARK ALL BOX(ES) THAT APPLY</p>	<p>Reason for Submittal:</p> <p><input type="checkbox"/> To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities)</p> <p><input checked="" type="checkbox"/> To provide Subsequent Notification of Regulated Waste Activity (to update site identification information)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # 1)</p> <p><input type="checkbox"/> As a component of the Hazardous Waste Report</p>						
<p><b>2. Site EPA ID Number</b> (page 15)</p>	<p>EPA ID Number</p> <p style="text-align: center;">1   L   A   D   1   0   1   8   1   1   4   1   1   9   1   4   1   1   8   1</p>						
<p><b>3. Site Name</b> (page 15)</p>	<p>Name: Shintech Louisiana, LLC – Plaquemine Plant</p>						
<p><b>4. Site Location Information</b> (page 15)</p>	<p>Street Address: 26270 Highway 405</p> <table border="1" style="width: 100%;"> <tr> <td>City, Town, or Village: Plaquemine</td> <td>State: Louisiana</td> </tr> <tr> <td>County Name: Iberville</td> <td>Zip Code: 70764</td> </tr> </table>			City, Town, or Village: Plaquemine	State: Louisiana	County Name: Iberville	Zip Code: 70764
City, Town, or Village: Plaquemine	State: Louisiana						
County Name: Iberville	Zip Code: 70764						
<p><b>5. Site Land Type</b> (page 15)</p>	<p>Site Land Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>						
<p><b>6. North American Industry Classification System (NAICS) Code(s) for the Site</b> (page 15)</p>	<p>A.</p> <p style="text-align: center;">1   3   2   5   2   1   1   1   1</p>	<p>B.</p> <p style="text-align: center;">1   3   2   5   1   1   8   1   1</p>					
	<p>C.</p> <p style="text-align: center;">1   3   2   5   1   1   9   9   1</p>	<p>D.</p> <p style="text-align: center;">_   _   _   _   _   _   _   _</p>					
<p><b>7. Site Mailing Address</b> (page 16)</p>	<p>Street or P. O. Box: P. O. Box 358</p> <p>City, Town, or Village: Addis</p> <p>State: Louisiana</p> <table border="1" style="width: 100%;"> <tr> <td>Country: USA</td> <td>Zip Code: 70710-0358</td> </tr> </table>			Country: USA	Zip Code: 70710-0358		
Country: USA	Zip Code: 70710-0358						
<p><b>8. Site Contact Person</b> (page 16)</p>	<p>First Name: James</p>	<p>MI: S.</p>	<p>Last Name: Bell</p>				
	<p>Phone Number: 225- 685-1199 Extension: 4420</p>		<p>Email address:</p>				
<p><b>9. Operator and Legal Owner of the Site</b> (pages 16 and 17)</p>	<p>A. Name of Site's Operator: Shintech Louisiana, LLC</p>		<p>Date Became Operator (mm/dd/yyyy): 08/30/2004</p>				
	<p>Operator Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>						
	<p>B. Name of Site's Legal Owner: Shintech Louisiana, LLC</p>		<p>Date Became Owner (mm/dd/yyyy): 08/30/2004</p>				
	<p>Owner Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>						

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

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

9. Legal Owner (Continued) Address	Street or P. O. Box: P. O. Box 358	
	City, Town, or Village: Addis	
	State: Louisiana	
	Country: USA	Zip Code: 70710

10. Type of Regulated Waste Activity  
Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 18 to 21.)

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

- |  |   |
|--|---|
| <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 1. Generator of Hazardous Waste<br/>If "Yes", choose only one of the following - a, b, or c.</p> <p><input checked="" type="checkbox"/> a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or</p> <p><input type="checkbox"/> b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or</p> <p><input type="checkbox"/> c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste</p> <p>In addition, indicate other generator activities.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> d. United States Importer of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> e. Mixed Waste (hazardous and radioactive) Generator</p> | <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 2. Transporter of Hazardous Waste</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 3. Treater, Storer, or Disposer of Hazardous Waste (at your site) Note: A hazardous waste permit is required for this activity.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 4. Recycler of Hazardous Waste (at your site)</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 5. Exempt Boiler and/or Industrial Furnace<br/>If "Yes", mark each that applies.</p> <p><input type="checkbox"/> a. Small Quantity On-site Burner Exemption</p> <p><input type="checkbox"/> b. Smelting, Melting, and Refining Furnace Exemption</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 6. Underground Injection Control</p> |
|--|---|

B. Universal Waste Activities

- Y  N  1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:
- |                          | <u>Generate</u>          | <u>Accumulate</u>        |
|--------------------------|--------------------------|--------------------------|
| a. Batteries             | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Pesticides            | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Thermostats           | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Lamps                 | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> |

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

C. Used Oil Activities

Mark all boxes that apply.

- Y  N  1. Used Oil Transporter  
If "Yes", mark each that applies.
- a. Transporter
- b. Transfer Facility
- Y  N  2. Used Oil Processor and/or Re-refiner  
If "Yes", mark each that applies.
- a. Processor
- b. Re-refiner
- Y  N  3. Off-Specification Used Oil Burner
- Y  N  4. Used Oil Fuel Marketer  
If "Yes", mark each that applies.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

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EPA ID NO: LAID081141194118

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

11. Description of Hazardous Wastes (See instructions on page 22.)

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

D001	D018	D019	D021	D022	D027	D028
D029	D034	D039	D040	D043	F001	F003
F005	K019	K020	K174	U002	U077	U154

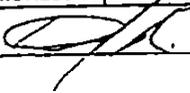
B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.


12. Comments (See instructions on page 22.)

Add U220, U227 to Section 11.A

10.A.3 - Note: A TSD Permit is being applied for to initiate hazardous waste operations that include a container storage area, storage tanks, and a halogen acid production furnace.

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11). (See instructions on page 22.)

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	David Wise, Vice President	11/29/2009

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EPA ID NO: 1LAID108114119141181

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: James	MI: S.	Last Name: Bell									
	Phone Number: 225-685-1199		Phone Number Extension: 420									
2. Facility Permit Contact Mailing Address (See instructions on page 23)	Street or P.O. Box: P.O. Box 358											
	City, Town, or Village: Addis											
	State: Louisiana											
	Country: USA	Zip Code: 70710										
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: P.O. Box 358											
	City, Town, or Village: Addis											
	State: Louisiana											
	Country: USA	Zip Code: 70710	Phone Number 225-685-1199									
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: P.O. Box 358											
	City, Town, or Village: Addis											
	State: Louisiana											
	Country: USA	Zip Code: 70710	Phone Number 225-685-1199									
5. Facility Existence Date (See instructions on page 24)	Facility Existence Date (mm/dd/yyyy): 08/30/2004											
6. Other Environmental Permits (See instructions on page 24)												
<b>A. Permit Type (Enter code)</b>	<b>B. Permit Number</b>										<b>C. Description</b>	
P	P	S	D	-	L	A	7	0	9			PSD Clean Air Act (SPP-1)
E	1	2	0	8	-	0	0	1	1	8	-	V 0
P	P	S	D	-	L	A	7	3	1			PSD Clean Air Act (SPP-2)
E	3	0	6	3	-	V	0					Title V (SPP-2)
N	L	A	0	1	2	0	5	2	9			LPDES Permit (SPP-1 and SPP-2)
E	M	V	N	2	0	0	5	1	0	8	4	C X
E	L	A	R	1	0	D	2	0	7			LPDES Construction Stormwater (SPP-1 and SPP-2)
7. Nature of Business (Provide a brief description; see instructions on page 24)												
PVC Manufacturing Facility												

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

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

<p><b>8. Process Codes and Design Capacities (See instructions on page 24) - Enter information in the sections on Form Page 3.</b></p> <p><b>A. PROCESS CODE</b> - 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).</p> <p><b>B. PROCESS DESIGN CAPACITY</b> - For each code entered in Section A, enter the capacity of the process.</p> <p>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.</p> <p>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.</p> <p><b>C. PROCESS TOTAL NUMBER OF UNITS</b> - Enter the total number of units for each corresponding process code.</p>					
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	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	Halogen Acid Furnaces	
S99	Other Storage	Any Unit of Measure in Code Table Below	T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
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; 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	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour	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 .....	N



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

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:**

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

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

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

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

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

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





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## ATTACHMENT 1

The following information is provided in Appendix B of the permit application on the maps described below.

All Drinking Water Wells Within ¼ Mile .....	Figure 2
Location of Proposed Intake and Drainage Structures .....	Figure 4
All Springs and Surface Water Bodies in the Area .....	Figure 2
Legal Boundaries .....	Figures 1, 8
Proposed Hazardous Waste Management Facilities Identified By Process Code .....	Figure 4

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**ATTACHMENT 1.....LIST OF FACILITY DOCUMENTS INCORPORATED IN  
PERMIT BY REFERENCE**

# **DRAFT PERMIT**

**DRAFT  
HAZARDOUS WASTE OPERATING PERMIT**

**SHINTECH LOUISIANA, LLC-PLAQUEMINE PLANT 2  
EPA ID# LAD 081 419 418  
Agency Interest# 126578**

**Iberville Parish  
Plaquemine, Louisiana  
PER20090007  
Permit Number LAD 081419418-OP-2**

**I. PERMIT PREAMBLE**

This Permit is issued to Shintech Louisiana, LLC-Plaquemine Plant hereinafter referred to as the Permittee, by the Louisiana Department of Environmental Quality (LDEQ) under authority of the Louisiana Hazardous Waste Control Law, 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 its terms, all applicable provisions of the Louisiana Hazardous Waste Control Law, R.S. 30:2171 et. Seq., and the regulations adopted thereunder.

## GLOSSARY OF TERMS

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

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

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

**“CWA”** means Clean Water Act.

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

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

**“EPA”** means the United States Environmental Protection Agency.

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

**“Hazardous Constituent”** means any constituent identified in LAC 33:V.Chapter 31, Table 1, or any constituent identified in LAC 33:V.3325, Table 4.

**“LDEQ”** means the Louisiana Department of Environmental Quality.

**“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 Shintech Louisiana, LLC-Plaquemine Plant 2, 26270 Highway 405, Plaquemine, Louisiana 70764.

**“RCRA Permit”** means the full Permit, with RCRA and HSWA portions.

**“SARA”** means Superfund Amendments and Reauthorization Action of 1986.

**“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.

All regulating citations are defined as being the regulations in effect on the date of issuance of this Permit. New and/or amended regulations are not included as Permit requirements until Permit modification procedures as specified in Condition II.C. of the Permit and LAC 33:V.321 are completed.

## **II. GENERAL PERMIT CONDITIONS**

### **II.A. DURATION OF PERMIT**

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

### **II.B. EFFECT OF PERMIT**

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

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

### **II.C. PERMIT ACTIONS**

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

The Administrative Authority may also suspend, modify, revoke and reissue, or terminate for cause when necessary to be protective of human health or the environment as specified in 40 CFR 270.41, 270.42, 270.43 or LAC 33:V.309.F, 311.A or 323. The Administrative Authority may 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 Environmental Quality Act and is grounds for enforcement action which may include penalties, 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 in accordance with LAC 33:V.309.E. 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 in accordance with LAC 33:V.309.H.

**II.E.8. Inspection and Entry**

In accordance with LAC 33:V.309.I, 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. In accordance with LAC 33:V.1519.B.2, Laboratory methods must be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, "SW-846", latest revision; Manual of Ground Water Quality Sampling Procedures, 1981, EPA-600/2-81-160, as revised; Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities, 1977, EPA-530/SW-611, as revised; or an equivalent method as specified in the attached Waste Analysis Plan referenced in Attachment 1.

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

II.E.9.b.(1) the date, 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 Department required by this Permit is accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) in accordance with LAC 33:I. Subpart 3, Chapter 45. Laboratory data generated by commercial laboratories not accredited under LELAP will not be accepted by the Department.

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

In accordance with LAC 33: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 Department;
- required to be included in a monitoring report submitted to the Department;
- required to be submitted by contract; or

- otherwise required by the Department regulations.

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

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

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

#### **II.E.10. Retention of Records**

The Permittee shall maintain records through the active life of the facility (including operation, closure and post-closure periods) 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 (L.A. R.S. 30:2171 et seq.).

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

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

**II.E.12. Physical Facility after Modification**

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

**II.E.12.a.** the Permittee has submitted to and received approval from the Administrative Authority, by certified mail or hand delivery, a letter signed by the Permittee and an independent professional engineer licensed in the state of Louisiana, 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 Conditions of LAC 33:V.Subpart 1, and has issued an Order to Proceed. The Permittee may then commence treatment, storage, or disposal of hazardous waste.

**II.E.13. Anticipated Noncompliance**

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

**II.E.14. Transfer of Permits**

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

**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 as required by LAC 33:V.309.L.6.

**II.E.16. Noncompliance Reporting**

The Permittee shall report orally within twenty-four (24) hours any noncompliance with the Permit that may endanger human health or the environment, except where more immediate notification is required by LAC 33:I.3901, et seq. ("Notification Regulation and Procedures for Unauthorized Discharges" dated November 19, 1985, as amended.) This report shall include the following:

- II.E.16.a.** information concerning the release of any hazardous waste that may endanger public drinking water supplies; and
- II.E.16.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.16.b.(1)** name, address, and telephone number of the owner or operator;
  - II.E.16.b.(2)** name, address, and telephone number of the facility;
  - II.E.16.b.(3)** date, time, and type of incident;
  - II.E.16.b.(4)** name and quantity of materials involved;
  - II.E.16.b.(5)** the extent of injuries, if any;

**II.E.16.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.16.b.(7)** estimated quantity and disposition of recovered material that resulted from the incident.

**II.E.17. 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. However, where more immediate submission is required by LAC 33:1.3901, "Notification Regulations and Procedures for Unauthorized Discharges" dated November 19, 1985, as amended, the report shall be submitted in accordance with those regulations. 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 submits 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.18. 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.16 above.

**II.E.19. Other Information**

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

**II.E.20. 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.21. Schedule of Compliance**

**II.E.21.a.** At least sixty (60) days before the date on which hazardous waste is first received in the Hydrochloric Acid Production Furnace-2 (HAPF-2) and tank 2MTK-501, the Permittee shall submit Financial Assurance information in accordance with LAC 33:V.Chapter 37.

Within thirty (30) days of the effective date of this Permit, the Permittee shall submit Financial Assurance for tanks 2MTK-496, 2MTK-499A, 2MTK-499B and the Container Storage Area in accordance with LAC 33:V.Chapter 37.

**II.E.21.b.** Within sixty (60) days after the date on which hazardous waste is first received in any of the permitted units, the Permittee shall perform an initial hazardous waste characterization per LAC 33:V.1519.A. The initial characterization shall be done by actual analysis of appropriate parameters listed in Supplement B of the Waste Analysis Plan.

**II.E.22. Additional Operating Standards**

(RESERVED)

**II.E.23. Updated Documents To Be Submitted Prior To Operation**

(RESERVED)

**II.E.24. Documents To Be Maintained at Facility Site**

**II.E.24.a.** The Permittee shall maintain at the facility, until closure is completed and certified by an independent Louisiana registered professional engineer, the following documents and any amendments, revisions, and modifications to these documents.

Any revision or changes shall be submitted with the annual report unless previously submitted.

- II.E.24.a.(1)** Waste Analysis Plan submitted in accordance with LAC 33:V.1519 (see Attachment 1).
- II.E.24.a.(2)** Personnel Training Plan and the training records as required by LAC 33:V.1515 (see Attachment 1).
- II.E.24.a.(3)** Contingency Plan prepared in accordance with LAC 33:V.1513 (see Attachment 1).
- II.E.24.a.(4)** Arrangements with local authorities in accordance with LAC 33:V.1511.G. (see Attachment 1).
- II.E.24.a.(5)** Closure Plan submitted in accordance with LAC 33:V.3511 and any post-closure care requirements that may be required initially or through Permit modifications in accordance with LAC 33:V.3523 (see Attachment 1).
- II.E.24.a.(6)** Cost estimate for facility closure care submitted in accordance with LAC 33:V.3705 and any post-closure cost estimate that may be required initially or through Permit modifications in accordance with LAC 33:V.3709 (see Attachment 1).
- II.E.24.a.(7)** Operating records as required by LAC 33:V.1529, 1911.D, 2115.D, and 3005.H.
- II.E.24.a.(8)** Inspection Plan developed in accordance with LAC 33:V.517.G and 1509.B (see Attachment 1).
- II.E.24.a.(9)** Security Plan developed in accordance with LAC 33:V.1507 (see Attachment 1).

II.E.24.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 and in accordance with LAC 33:V.321.

**II.E.25. 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.26. Manifest**

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

**II.E.27. 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.28. Waste Discharges**

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

**II.E.29. Non-Listed Hazardous Waste Facilities**

This Permit is issued for those hazardous waste facilities listed in Condition IV (Permitted Facilities). If the Permittee determines that a non-permitted hazardous waste facility exists, the Permittee must immediately notify the Administrative Authority in accordance with Condition II.E.18 of the General Permit Conditions.

**II.E.30. Compliance With Land Disposal Restrictions**

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

**II.E.31. 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.32. 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 (see facility's other hazardous waste permit, LAD081419418-OP-1).

**II.E.33. 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. 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 PERMIT CONDITIONS****III.A. DESIGN AND OPERATION OF ALL FACILITIES**

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

- III.A.2. The Permittee shall not receive for treatment, storage, or disposal any hazardous waste generated outside the United States or its territories, in accordance with LA. R.S. 30:2189 of the Louisiana Environmental Quality Act.
- III.A.3. No off-site generated hazardous wastes may be shipped to the Plaquemine facility (LAD 081419418) for storage, treatment, and/or disposal. Wastes generated at the Shintech Plaquemine Plant – 1 (SPP-1) are not considered to be off-site waste.

### **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. 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 and additional data (in accordance with LAC 33:V.1519.A.2) if applicable, which provide information needed to properly treat, store, and dispose of the hazardous waste, including physical characteristics and chemical components of the waste. The results of this re-characterization shall be summarized in the Permittee's Annual Report.

- III.C.3. In accordance with LAC 33:V.1519.B, the Waste Analysis Plan must meet all the sampling and QA/QC procedures of

Condition II.E.9.c. All test procedures used by the Permittee shall be maintained on file by the Permittee and made available to the LDEQ upon request.

### **III.D. SECURITY**

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

### **III.E. GENERAL INSPECTION REQUIREMENTS**

The Permittee must follow the Inspection Plan referenced in Attachment 1. The Permittee must remedy any deterioration or malfunction discovered by an inspection as required by LAC 33:V.1509.C. Records of inspections must be kept as required by LAC 33:V.1509.D. The inspection schedule must include the regulatory requirements of LAC 33:V.517.G, 1509.A and B, 1911, 2109, and 3005.F.

### **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 outline 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

approved by the Administrative Authority prior to any hazardous waste and/or hazardous waste units being placed thereon.

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

The Permittee must provide for the control by diversion or treatment of run-on and run-off resulting from a maximum rainfall occurring during a period of twenty-four (24) hours as defined by local rainfall records and LAC 33:V.1503.B.2. The Permittee shall comply with the requirements of LAC 33:V.1907.E.1.b, 2111.B.4, B.5, and B.6.

### **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. Required Aisle Space**

In no case shall aisle space be less than two (2) feet. In addition, the Permittee shall maintain adequate aisle space as required by LAC 33:V.1511.F and 2109.B.

**III.K.5. Arrangements with Local Authorities**

The Permittee shall document in the annual report that the requirements of LAC 33:V.1511.G have been met (Attachment 1). 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 Contingency Plan (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.2.

**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 Plan

The Permittee shall compile and keep current an operations plan covering all aspects of the Permittee's treatment and storage facilities as required by LAC 33:V.517.T.7.

### III.O. CLOSURE

The closure plan shall include the following responses by the Permittee to LAC 33:V.1915, 2117, 3005.I., 3503, 3505, 3507, 3509, 3511, 3513, and 3515.

**III.O.1. Closure Performance Standard.** The Permittee shall close the facility in accordance with the closure plan referenced in Attachment 1 and in accordance with the applicable Conditions of LAC 33:V.3507.

**III.O.2. Amendment to Closure Plan.** The Permittee shall amend the closure plan where necessary, in accordance with LAC 33:V.3511.C. Any modification shall be subject to LAC 33:V.321, 322 and 323, where applicable.

**III.O.3. Notification of Closure.** The Permittee shall notify the Administrative Authority at least forty-five (45) days prior to the date he/she expects to begin partial or final closure in accordance with LAC 33:V.3511.D.

**III.O.4. Time Allowed For Closure.** After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in the closure plan referenced in Attachment 1 and in accordance with LAC 33:V.3513.

- III.O.5. Disposal or Decontamination of Equipment.** The Permittee shall decontaminate or dispose of all facility equipment used during partial and final closure in accordance with the approved closure plan referenced in Attachment 1 and in accordance with LAC 33:V.3515.
- III.O.6. Certification of Closure.** The Permittee shall certify that the facility has been closed in accordance with the specifications in the closure plan as required by LAC 33:V.3517.
- III.O.7. Inventory at Closure.** The Permittee shall be responsible for closure costs based upon the maximum Permitted facility inventories listed below in Tables 1, 2, and 3.

**TABLE 1**  
**(4) Hazardous Waste Tanks**

TANKS	SERVICE	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
2MTK-496	Waste Liquid Storage	D001,K019, K020	297,622
2MTK-499A	Waste Liquid Storage	D001,K019, K020	48,920
2MTK-499B	Waste Liquid Storage	D001,K019, K020	48,920
2MTK-501	HAPF Feed Tank	D001,K019, K020	7,985

**TABLE 2**  
**Container Storage Area**

CONTAINER STORAGE	LOCATION	TOTAL AREA LIMITS (SQ. FT)	WASTE	MAXIMUM PERMITTED CAPACITY (GALLONS)
Container Storage Area - 2	Vinyl Chloride Monomer Plant (SPP-2)	77' - 4" X 18' - 2"	Reference Section 10 in the Part A Application of this Permit for the waste codes	7,700

**TABLE 3**  
**(1) Combustion Unit**

<b>Combustion Unit</b>	<b>Service</b>	<b>Location</b>	<b>Maximum Capacity</b>
Halogen Acid Production Furnace - 2 (HAPF-2)	Liquid Hazardous Waste	Vinyl Chloride Monomer Plant (SPP-2)	7,000 lbs/hr

### **III.P. POST-CLOSURE**

The Permittee must attempt to clean close all hazardous waste units. (As a means of satisfying the closure requirements of LAC 33:V.3507.A.2, the Permittee may demonstrate an alternative risk-assessment-based closure in accordance with LAC 33:I.Chapter 13, per LAC 33:V.3507.B.)

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

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

- III.Q.1.** The Permittee must maintain cost estimates for closure of facilities in accordance with LAC 33:V.3705.
- III.Q.2.** The Permittee shall maintain and adjust the closure cost estimate for inflation, as specified in LAC 33:3705.B, 3705.C, and for other circumstances that increase the cost of closure.
- III.Q.3.** The Permittee must adjust the closure cost estimate within thirty (30) days after approval by the Administrative Authority of any request to modify the closure plan in accordance with LAC 33:V.3705.C. The Permittee shall consider the impact of any inventory and or process changes on the closure cost estimate.
- III.Q.4.** The closure cost estimate must equal the cost of closure at the point in the facility's operating life when the extent and manner of its operation would make closure most

expensive. The closure cost estimate shall be based on the maximum permitted inventory of each facility as specified in Condition III-Tables 1, 2, and 3 of this Permit.

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

### **III.R. FINANCIAL ASSURANCE FOR CLOSED UNITS**

The Permittee shall establish and maintain financial assurance for closure in accordance with LAC 33:V.3707 for all units listed under Condition III.O.7.

### **III.S. LIABILITY REQUIREMENTS**

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

### **III.T. INCAPACITY OF THE PERMITTEE**

- III.T.1.** Pursuant to LAC 33:V3711.A, the Permittee, and any guarantor of a corporate guarantee specified in LAC 33:V.3707.F and 3711.F, must notify the Office of Environmental Services by certified mail of the commencement of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code, naming the Permittee or guarantor as debtor, within 10 days after commencement of the proceeding.

- III.T.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.U. POST-CLOSURE NOTICES

(RESERVED)

## IV. PERMITTED FACILITIES

### IV.A. TANKS

Details of the tanks listed in Table 4, including design and operational specifications, are contained in Permit Condition V.A.

**TABLE 4.**  
**(4) Hazardous Waste Tanks**

<b>TANKS</b>	<b>SERVICE</b>	<b>WASTE</b>	<b>MAXIMUM PERMITTED CAPACITY (GALLONS)</b>
2MTK-496	Waste Liquid Storage	D001,K019,K020	297,622
2MTK-499A	Waste Liquid Storage	D001,K019,K020	48,920
2MTK-499B	Waste Liquid Storage	D001,K019,K020	48,920
2MTK-501	HAPF Feed Tank	D001,K019,K020	7,985

### IV.B. CONTAINER STORAGE

Details of design and operational specifications of the container storage area listed below in Table 5, are contained in Condition V.B of this permit.

**TABLE 5**  
**Container Storage Area**

<b>CONTAINER STORAGE</b>	<b>LOCATION</b>	<b>TOTAL AREA LIMITS (SQ. FT)</b>	<b>WASTE</b>	<b>MAXIMUM PERMITTED CAPACITY (GALLONS)</b>
Container Storage Area 2	Vinyl Chloride Monomer Plant (SPP-2)	77' - 4" X 18' - 2"	Reference Section 10 in the Part A Application of this Permit for the waste codes	7,700

#### IV.C. COMBUSTION UNITS

Details of the combustion unit listed in Table 6, including design and operational specifications, are contained in Permit Condition V.C.

**TABLE 6**  
**Combustion Unit**

<b>Combustion Unit</b>	<b>Service</b>	<b>Location</b>	<b>Maximum Capacity</b>
Halogen Acid Production Furnace (HAPF-2)	Liquid Hazardous Waste	Vinyl Chloride Monomer Plant	7,000 lbs/hr

#### V. PERMIT CONDITIONS APPLICABLE TO PERMITTED FACILITIES

##### V.A. TANKS

##### V.A.1. Description of Tank Systems

##### V.A.1.a. Operation

V.A.1.a.(1) All Permitted tanks and associated piping, pumps, instruments, containments, and vent controls shall be operated and maintained in accordance with LAC 33:V.Chapter 19, the specification and design criteria submitted in the Part B Permit Application, and the design limits specified in Table 7.

maintained in accordance with LAC 33:V.Chapter 19, the specification and design criteria submitted in the Part B Permit Application, and the design limits specified in Table 7.

V.A.1.a.(2) The design temperature and pressure for each tank shall not change from the one listed in Table 7, unless a Permit modification is approved by the Department.

#### **V.A.1.b. Permitted Tanks**

V.A.1.b.(1). The tank systems listed in Tables 4 and 7 are permitted to be used for hazardous waste storage or treatment. These tanks have been certified by an independent, professional engineer licensed in the state of Louisiana to have sufficient structural integrity for storage of hazardous waste.

V.A.1.b.(2). All of the tank systems listed in Tables 4 and 7 must be clearly marked with the words "Hazardous Waste".

V.A.1.b.(3). The Permittee is prohibited from storing or treating hazardous waste in any tank storage system not listed in Table 4 for greater than ninety (90) days, unless an extension is granted by the Department, the activity is exempt from regulations, or an Emergency Permit is issued.

V.A.1.b.(4). The Permittee is prohibited from storing any hazardous waste received from offsite in any tank storage system. Wastes generated at Shintech Plaquemine Plant – 1 (SPP-1) are not considered offsite waste.

#### **V.A.2. Permitted and Prohibited Wastes**

##### **V.A.2.a. Permitted Waste**

Subject to the terms of this Permit, the Permittee is allowed to store or treat in the tanks described in Condition V.A.1.b of this Permit, the hazardous wastes identified in the most current Part A Permit Application and Condition IV.A, Table 4 of this permit.

##### **V.A.2.b. Prohibited Waste**

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

### **V.A.3. Secondary Containment**

#### **V.A.3.a. Duty to Comply with LAC 33:V.1907**

The Permittee shall design, construct, operate, and maintain the secondary containment system in accordance with LAC 33:V.1907, the Part B Permit Application, and Table 7 of this Permit. Secondary containment must have an impervious coating or material capable of preventing lateral or vertical migration of accumulated liquid and wastes.

#### **V.A.3.b. Prevention of Migration**

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

V.A.3.b.(2). Ancillary equipment must be provided with secondary containment, except as excluded by LAC 33:V.1907.F.

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

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

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

### **V.A.4. Operating Requirements**

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

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

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

The Permittee shall comply with LAC 33:V.1909.B and Table 7 of this Permit. The Permittee must use appropriate controls and practices to prevent spills and overflows from tanks and containment systems.

**V.A.4.c. Tank Covers**

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

**V.A.4.d. Maintenance**

The Permittee shall maintain the permitted tank systems according to the design code specified for each tank as listed in Table 7 and not exceed the listed operating conditions.

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

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

**V.A.6. Inspections****V.A.6.a. Inspection Schedule**

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

**V.A.6.b. Daily Inspection**

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

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

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

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

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

#### **V.A.6.c. External Inspection**

At a minimum, external inspection of each tank covered by this permit shall be performed as often as required by the API designated inspection standard in Table 7. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Administrative Authority upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 7. The inspection checklist shall be comparable to that in API Standard 510 or 653 as applicable.

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

#### **V.A.6.d. Internal Inspection**

Internal inspection of each tank covered by this Permit shall be performed as often as required by the inspection standard in Table 7. The required frequency of inspection with reference to the applicable section of the standard shall be kept on site and available for review by the Administrative Authority upon request. The inspection shall be performed by a person meeting the minimum qualifications required under the inspection standard in Table 7. The inspection checklist shall be comparable to that in API Standard 510 or 653, as applicable.

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

#### **V.A.6.e. Thickness Testing**

**V.A.6.e.(1).** The Permittee shall take tank thickness measurements on tank tops and shells, at least on each tank quadrant, at least every two (2) years.

Tank thickness readings shall be taken in the same place during each testing event in order to form a comparison of readings for corrosion rate determination.

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

**V.A.6.e.(3).** An authorized inspector shall perform tank thickness measurements on tank bottoms as often as the internal inspection required under Condition V.A.6.d, or more often if required by the inspection standard specified in Table 7. The required frequency of inspection with reference to the applicable section of the inspection standard shall be kept on-site and made available to the Administrative Authority upon request.

**V.A.6.e.(4).** When any tank shell thickness measurement at a single point is less than that required in Table 7, the Permittee shall immediately comply with either Condition V.A.6.e.(4).(a) or (b) below. Condition V.A.6.e.(4).(b) shall not be used for any tank where the shell thickness measurement is less than 0.100 inches.

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

**V.A.6.e.(4).(b).** An engineering evaluation shall be performed, conforming to the appropriate standard or standards, as allowed by the design or inspection standard in Table 7. If the evaluation determines that the tank is unfit for service, the Permittee shall comply with Condition V.A.6.e.(4).(a) immediately.

The evaluation must be submitted to the Waste Permits Division for approval within forty-five (45) days of the initial measurement.

**V.A.6.e.(5).** Tank thickness measurements shall not be averaged, unless allowed under the tank inspection standard in Table 7. Averaging of tank thickness measurements shall be reported to the Administrative Authority.

**V.A.6.f. Overfill Controls**

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

**V.A.7 Response to Leaks or Spills**

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

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

**V.A.7.b. Leaks and Spills**

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

**V.A.7.b.(2).** Within twenty-four (24) hours of detecting a leak from the tank system, or in as timely a manner as is practical if the Permittee demonstrates that it is not possible to remove the waste within twenty-four (24) hours, the Permittee must remove as much waste as necessary to prevent further release from the tank or secondary containment system and to allow inspection and repair of the tank system in accordance with LAC 33:1913.B.1.

If the material released was to a secondary containment system, all released material must be removed within twenty-four (24) hours or in as timely a manner as is possible to prevent harm to human health and the environment in accordance with LAC 33:V.1913.B.2.

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

**V.A.7.b.(3)(a).** If the collected material is discharged through a point source to United States water or to a Publicly Owned Treatment Works, it is subject to the requirements of the Clean Water Act (Title 33, U.S. Code, Ch.26 § 1251).

**V.A.7.b.(3)(b).** If the collected material is released to the environment, it may be subject to reporting under applicable requirements of LAC 33:V.1505, LAC 33:I.Chapter 39, and 40 CFR Part 302.

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

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

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

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

**V.A.7.b.(6).** If the Permittee replaces a component of the tank system to eliminate a leak, that component must satisfy the requirements for new tank systems or components in LAC 33:V.1905 and 1907. No professional engineer certification is needed for a repair that does not constitute a major repair as defined under LAC 33:V.1913.F.

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

**V.A.7.c. Major Repairs**

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

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

**V.A.7.c.(3).** The Permittee shall conform to the appropriate portion of the most recent inspection code listed in Table 7 for maintenance, inspection, re-rating, repair, and alteration of all tanks.

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

**V.A.8. Air Emission Control Equipment Standards**

The Hazardous Waste Tanks listed in Table 7 are in compliance with the applicable Clean Air Act Standards for operating air emission controls; therefore they are exempt from the requirements of LAC 33:V.1747-1799 and Condition V.E of this permit. In the event that the Clean Air Act Standards are no longer applicable to the tanks listed in Table 7, the Permittee shall comply with LAC 33:V.1747-1799 and Condition V.E of this permit.

**V.A.8.a.** Within thirty (30) days of the effective date of this Permit, for each hazardous waste management unit not using air emission controls specified in LAC 33:V.1755-1761 in accordance with the requirements of LAC 33:V.1747.B.7, the Permittee shall record and maintain the following information:

**V.A.8.a.(1)** Certification that the management unit is equipped with and operating air emission controls in accordance with the requirements of an applicable Clean Air Act regulation

codified under 40 CFR Part 60, Part 61, or Part 63; and

- V.A.8.a.(2)** identification of the specific requirements codified under 40 CFR Part 60, Part 61, or Part 63 with which the waste management unit is in compliance.

## **V.A.9. Recordkeeping**

### **V.A.9.a. New Tanks**

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

### **V.A.9.b. Written Assessment**

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

### **V.A.9.c. Inspections**

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

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

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

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

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

**V.A.9.c.(3).** The Permittee shall keep on file at the facility the results of the internal and external inspections required by

Condition V.A.6.(c) & (d) of this Permit. The Permittee shall note all deficiencies discovered during the inspection in the inspection log. Corrective action taken in response to deficiencies must be included as part of the operating record for the facility.

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

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

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

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

**V.A.9.c.(4).(c).** Any tank thickness measurements that are averaged under Condition V.A.6.e.5 of this Permit must be supported by documentation with references to the applicable tank codes. The documentation shall include all raw measurement data, calculations, and results of averaging. This information shall be kept as a part of the operating record for the facility.

#### **V.A.9.d. Releases**

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

**V.A.9.d.(2).** Within twenty-four (24) hours of detecting a reportable leak or spill from a tank system or secondary containment system to the environment, the Permittee shall report the leak or spill to the Department's Single Point of Contact.

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

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

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

**V.A.9.d.(3).(c).** Results of any monitoring or sampling conducted in connection with the release (if available). If the Permittee finds it will be impossible to meet this time schedule, the Permittee must provide the Department with a schedule of when the results will be available. This schedule must be provided before the required thirty (30) day submittal period expires,

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

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

**V.A.9.e. Repairs**

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

**V.A.10. Closure and Post-Closure Care**

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

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

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

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

**V.A.10.c. Post-Closure**

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

**TABLE 7 Design and Operating Parameters for RCRA Tank Systems**

Tank No.	Dimensions (D X H or L)	Permitted Capacity (gallons)	Design Standard	Inspection Standard	Design Temperature (°F)	Design Pressure	Materials of Construction	Nominal Thickness (inches)	Minimum Thickness incl. Corrosion Allowance (inches)	Secondary Containment Type and Net Capacity (gallons)
2MTK-496	Vertical: 46'-0" X 24'-3/8"	297,622	API 650 11th Edition	API 653	162	+11.81/ -3.937w.c.	Carbon Steel	Shell: 0.3125/0.250 0 Bottom: 0.375	Shell: 0.2890 /0.2338 Bottom: 0.250 (*1)	Common Concrete Paving and Dike; 318,300 GAL
2MTK-499A	Horizontal: 12'-6" X 50'-3/8"	48,920	ASME Section VIII Division 1 2007 Edition	API 510	200	116 psig	Carbon Steel	Shell: 0.750 Head: 0.875	Shell: 0.67210 Head: 0.58727	Common Concrete Paving and Dike; 318,300 GAL
2MTK-499B	Horizontal: 12'-6" X 50'-3/8"	48,920	ASME Section VIII Division 1 2007 Edition	API 510	200	116 psig	Carbon Steel	Shell: 0.750 Head: 0.875	Shell: 0.67210 Head: 0.58727	Common Concrete Paving and Dike; 318,300 GAL
2MTK-501	Vertical: 9'-10" X 13'-11"	7,985	ASME Section VIII Division 1 Latest Edition	API 510	185	30 psig	Carbon Steel	Shell: 0.4375 Head: 0.4375	Shell: 0.1896 Head: 0.126	Concrete Paving and Dike; 12,600 GAL

Note 1: as per code (without Corrosion Allowance)

## **V.B. CONTAINER STORAGE**

The Permit conditions as set forth under this Condition shall apply where applicable to the permitted container storage facility as designated in Condition IV.B, Table 5. The container storage area is permitted to store hazardous waste in properly labeled and sealed containers which have been specified for this purpose and are compatible with the contained waste. All containers shall be stored in accordance with LAC 33:V. Chapter 21.

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

- V.B.1.** The Permittee shall be in compliance with all appropriate conditions set forth in LAC 33:V.2101.
- V.B.2.** The Permittee shall maintain all containers in accordance with LAC 33:V.2107.A.
- V.B.3.** The Permittee will assure the integrity of the containers in accordance with LAC 33:V.2105.
- V.B.4.** The Permittee must manage the containers in accordance with LAC 33:V.2107.A and B.
- V.B.5.** The Permittee must inspect the containers and storage areas in accordance with LAC 33:V.2109 and LAC 33:V.1509. Results of such inspections must be placed in the operating record in accordance with LAC 33:V.1529.B.8.
- V.B.6.** The Permittee shall store all wastes in containers that are compatible with the hazardous wastes and in accordance with DOT standards listed in 49 CFR 173 and 178.
- V.B.7.** The Permittee must maintain the containment storage area as required by LAC 33:V.2111.A, B.1, 2, 3, and 4.
- V.B.8.** The Permittee must manage spilled or leaked waste and accumulated precipitation according to LAC 33:V.2111.B.5.
- V.B.9.** The Permittee must manage any collected material as required by LAC 33:V.2111.B.6. The Permittee must manage any collected storm water as required by LAC 33:V.2111.B.6 and any other applicable regulations.
- V.B.10.** The Permittee must place and store incompatible, ignitable, and reactive wastes only in accordance with LAC 33:V.1517, 2113, and 2115.
- V.B.11.** The Permittee shall store hazardous waste in containers listed in Condition IV.B of this Permit.

- V.B.12. The Contingency Plan shall be activated when warranted by an *emergency and reported as required by LAC 33:V.1513.*
- V.B.13. The Permittee must insure that all hazardous waste personnel receive initial and continued training to insure compliance with LAC 33:V.1515, and maintain an emergency response program in compliance with LAC 33:V.1525.
- V.B.14. The Permittee must control and report all point source discharges according to LAC 33:V.1505.
- V.B.15. The Permittee shall not exceed the maximum capacity listed under Condition IV.B of this Permit for each container storage area listed.
- V.B.16. At closure, the Permittee shall adhere to the procedures detailed in the approved closure plan referenced in Attachment 1 of this Permit and as required by LAC 33:V.2117 and Chapter 35, Closure Requirements. Post-closure activities must be performed in accordance with the approved post-closure plan for the container storage area failing to achieve clean closure (or an alternate closure standard approved under LAC 33:V.3501.D.2. or LAC 33:V.3507.B.) within ninety (90) days from the date that the Permittee or Administrative Authority determines that the unit must be closed as a landfill.
- V.B.17. The Permittee shall always maintain enough secondary containment capacity to contain at least ten percent (10%) of the total volume of containers or the volume of the largest container, whichever is greater in accordance with LAC 33:V.2111.B.3. Containers that do not contain free liquids (per the Paint Filter Liquids Test) do not need to be considered in this determination.
- V.B.18. The Permittee shall comply with the requirements set forth in LAC 33:V.1109.E and all applicable portions of LAC 33:V. Chapter 15 and Chapter 43 for the storage of containers in non-Permitted less than ninety (90) day container storage areas.

## V.C. HYDROCHLORIC ACID PRODUCTION FURNACE

### V.C.1. Permitted and Prohibited Wastes

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

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

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

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

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

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

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

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

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

**V.C.1.b.(8).** Metal bearing wastes listed in LAC 33:V.Chapter 22.Table 12, except as described in LAC 33:V.2207.C.

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

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

## **V.C.2. Inspections**

### **V.C.2.a. Requirements**

**V.C.2.a.(1).** The Permittee shall inspect the Hydrochloric Acid Production Furnace-2 (HAPF-2) and instrumentation in accordance with Table 8 of this Permit.

**V.C.2.a.(2).** The HAPF-2 and associated equipment (pumps, valves, pipes, fuel storage tanks, and other ancillary equipment) will be subject to a daily thorough, visual inspection, when they contain hazardous waste. The purpose of these inspections will be to identify leaks, spills, fugitive emissions, and signs of tampering. The automatic waste feed cut off system and associated alarms must be tested at least monthly when hazardous waste is burned to verify operability. Support for this demonstration shall be included in the operational record (LAC 33:V.3005 F.3 and F.4).

### **V.C.2.b. Records**

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

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

### **V.C.3. Regulation of Residues**

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

## **TABLE 8 HAPF-2 INSPECTIONS**

<b>Equipment/Instrument</b>	<b>Inspection Elements</b>	<b>Inspection Frequency</b>
Burner system	Leaks in manifold – visual inspection	Daily
Waste feed system	Atomizing fluid pressure transducer – visual inspection	Daily
	Waste feed pressure transducer – visual inspection	Daily
	Waste feed flowmeter – visual inspection	Daily
Combustion chamber	Fugitive emissions – visual inspection only	Daily
	Refractory – visual inspection	Each entry
Continuous process monitors	Out-of-tolerance operational data	Daily
Automatic waste feed cut off system	Operability	Monthly
Absorber and Scrubber Systems	Condition of packing or trays	Annually
	Operation of spray nozzles and recirculation system	Annually
	Condition of mist eliminators	Annually

**V.D. RISK-BASED CONDITIONS**

(RESERVED)

**V.E. AIR EMISSION STANDARDS****V.E.1. Performance Standards For Equipment Leaks**

The Permittee is demonstrating compliance with LAC 33:V.1719-1745 by complying with 40 CFR 63 Subparts EEE, F, G, and H. In the event that 40 CFR 63 Subparts EEE, F, G, and H become no longer applicable, the Permittee shall comply with LAC 33:V.1719-1745.

**V.E.2. Standards For Container Storage Areas**

The Permittee shall comply with the applicable requirements of LAC 33:V.1747 to 1799 for Container Storage Area 2, as listed in Table 9.

**TABLE 9**  
**Emission Controls for Containers**

<b>CONTAINER STORAGE AREA</b>	<b>LAC REFERENCE(S)</b>	<b>AIR EMISSION CONTROLS</b>
Container Storage Area 2	LAC 33:V.1759.C and F; LAC 33:V.1763-1767	Level 1

**V.E.3. Standards for Tanks**

The Hazardous Waste Tanks listed in Table 7 are in compliance with the applicable Clean Air Act Standards for operating air emission controls; therefore they are exempt from the air control emission standards in LAC 33:V.1747-1799. In the event that the Clean Air Act Standards are not longer applicable to the tanks listed in Table 7, the Permittee shall comply with LAC 33:V.1747-1799.

## VI. GROUND WATER PROTECTION

### VI.A. APPLICABILITY

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

**VI.B.** The Permittee shall comply with the monitoring, response, and corrective action provisions for the existing and any new systems in accordance with LAC 33:V.Chapter 33.

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

## **VII. GENERAL CONDITIONS PURSUANT TO THE HAZARDOUS AND SOLID WASTE AMENDMENTS**

The HSWA provisions have been issued previously, in an operating permit (LAD081418419-OP-1, effective July 4, 2009) issued by the Department.

**ATTACHMENT 1  
LIST OF FACILITY DOCUMENTS INCORPORATED  
IN THE PERMIT BY REFERENCE  
LAD081419418  
AI#126578**

<b>DOCUMENT TYPE</b>	<b>APPLICATION/DOCUMENT DATE</b>	<b>ELECTRONIC DATABASE MANAGEMENT SYSTEM (EDMS) DOCUMENT ID</b>	<b>COMMENTS</b>
Closure cost estimates	04/19/2010	46942652	Revisions to Response to Notice of Deficiency
Closure Plan	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 6
Waste Analysis Plan	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 5
Contingency Plan	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 4
Inspection Schedule	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 9
Training Plan	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 8
Security Plan	11/25/2009	44279124	Permit Application, Vol. II, Appendix A, Attachment 2
Arrangements with Local Authorities	04/07/2010	46762921	Response to Notice of Deficiency, Attachment 4, Supplement G