DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

CERTIFIED MAIL_____-RETURN RECEIPT REQUEST

File No.: LA0120529
AI No.: 126578 Seq. No.: PER20070001

Mr. David Wise, Vice President
Shintech Louisiana, LLC
Plaquemine PVC Plant
P.O. Box 358
Addis, Louisiana 70710

RE: Draft Major Modification of Louisiana Pollutant Discharge Elimination System (LPDES) permit LA0120529 effective on January 1, 2007 for Shintech Louisiana, LLC's Plaquemine PVC Plant.

Dear Mr. Wise:

Your request received on March 20, 2007 regarding the modification of LPDES permit LA0120529 has been evaluated. The draft modification(s) are as follows:

1. Internal Outfall 301 - The STORET Code for Total Residual Chlorine has been correctly identified as 50060 (this correction made previously addressed in a letter to Shintech dated June 30, 2006).

2. Outfall 003 - a new Phase 1 monitoring schedule has been incorporated that would become effective during the construction phase. The following language outlines the schedule in which this phase will be used:

   "during the period beginning on the effective date of the permit modification and lasting upon plant startup and initial commencement of discharge the permittee is authorized to discharge from:"

3. Outfall 003 (Phase 1) - the outfall description has changed and now reads:

   Outfall 003, the intermittent discharge stormwater from construction activities and hydrostatic test wastewater from new piping , vessels, tanks, etc. during the construction period.

4. *Outfall 003 (Phase 1) - footnote (*1) has been deleted since this schedule will become* effective upon effective date of permit modification.

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

5. Outfall 003 (Phase 2) - the original Outfall 003 description has been converted to Phase 2 and will remain unchanged. The outfall limits and monitoring frequency will also remain unchanged.

6. Outfall 003 (Phase 2) - footnotes have been renumbered.

7. Outfall 003 (Phase 1 and 2) - a new footnote has been incorporated to define "Plant startup and initial commencement of discharge." This footnote reads:

   > Plant startup and initial commencement of discharge shall mean the commencement of discharge of associated industrial wastewaters, including the discharge during the break-in period.

8. Part II.K has been updated to include Outfall 003 Phase 1 and 2 schedules and the definition of plant startup and initial commencement of discharge.

9. The DMR submittal schedule in Part II.R (Page 12 and 13 of 21) has been revised to clarify that DMRs must be **postmarked** by the 15th of the month.

10. All Discharge Monitoring Reports (DMRs) are now being scanned into the LDEQ's Electronic Document Management System (EDMS) and copies to the Regional Office are no longer necessary. Therefore, Part II, Section R language (Page 13 of 21) has been modified to delete the requirement to submit duplicate copies of the DMRs to the Regional Office.

Attached are the draft revision(s) to the Effluent Limitations page(s) (page(s) 8, 12, and 13 of 14, Part I) for Outfalls 301 and 003 Phases 1 and 2, the Effluent Limitations page(s) (page(s) 2, 3, 4, 5, 6, 7, 9, 10, 11, and 14 of 14, Part I) for Outfalls 001, 101, 201, 401, 002, and 004 due to page renumbering, Part II page(s) 7, 8, 9, 10, 11, 12, and 13 of 21 for changes to Section K and R, and the modified Title Page for the requested modification(s). Please note that this is a DRAFT MODIFICATION only. Authorization to change your discharge will be granted only upon the receipt of an approved modification from this Office. All other conditions of the permit LA0120529 shall continue *unchanged and remain valid until the expiration date of the permit.* In accordance with LAC 33:IX.3105.B.2, only those permit limitations and conditions pertaining to the draft modification(s) are open for public comment.

Please be advised, Shintech Louisiana, LLC shall maintain permit coverage under the LPDES Stormwater Construction General Permit, LAR10D207, until the conditions set forth in Part I.C.2 of that general permit have been met.

This Office will publish the enclosed public notice one time in a local newspaper of general circulation and the Office of Environmental Services Public Notice Mailing List. In accordance with LAC 33:IX.6521.A, the applicant shall receive and is responsible for paying the invoice(s) from the above mentioned newspaper. LAC 33:IX.6521.A states: "...The costs of publication shall be borne by the applicant."

The invoice, fee rating sheets, and a copy of the fee regulations will be sent under a separate cover letter as applicable. A copy of the entire Louisiana Water Quality Regulations may be obtained from the DEQ Office of Environmental Assessment, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314, (225) 219-3236.

Pursuant to LAC 33:IX.1309.I, LAC 33:IX.6509.A.1 and LAC 33:I.1701, you must pay any outstanding fees to the Department. Therefore, you are encouraged to verify your facility's fee status by contacting LDEQ's Office of Management and Finance, Financial Services Division at (225) 219-3863. Failure to pay in the manner and time prescribed could result in applicable enforcement actions as prescribed in the Environmental Quality Act, including, but not limited to revocation or suspension of the applicable permit, and/or assessment of a civil penalty against you.

Should you have any questions concerning any part of the draft modification(s), please feel free to contact Jenniffer Sheppard, Office of Environmental Services, at the address on the preceding page or telephone (225) 219-3138. To ensure that all correspondence regarding this facility is properly filed into the Department's Electronic Document Management System, you must reference your Agency Interest (AI) number 126578 and LPDES permit number LA0120529 on all future correspondence to this Department, including Discharge Monitoring Reports.

Sincerely,

Jesse Chang

Jesse Chang
Environmental Scientist Manager
Industrial Water Permits

jls

Attachment(s) draft modified permit, dated public notice, modified factsheet, and fee sheet:

cc: Jenniffer Sheppard
Water Permits Division

IO-W

ec: Supervisor, Louisiana Field Office
U.S. Fish & Wildlife Service

Ms. Gayle Denino
Office of Management & Finance

Permit Compliance Unit
Office of Environmental Compliance

Scott Guilliams
Water Permits Division

Public Notice
Scheduled for Publication

The notice associated with the following:

Request for Public Comment
on a Draft Water Discharge Permit Modification for
Shintech Louisiana, LLC
Plaquemine PVC Plant
Agency Interest (AI) No. 126578, LA0120529, PER20070001

is scheduled to publish in the following paper (s)

Newspaper(s)	Scheduled Publication Date*
Plaquemine Post/South, of Plaquemine, LA	Thursday, April 19, 2007*

*In accordance with **LAC 33:IX.6521.A**, the applicant is responsible for payment of all costs of publication. Newspaper will bill applicant directly.*

Questions regarding publication or payment may be directed to:

DEQ Office of Environmental Services, Public Participation Group Staff:

Name: Calvin Fair

Phone: 225-219-3283

Email: **Calvin.Fair@LA.GOV**

Comments:

***Actual date of publication is pending confirmation of publication by newspaper(s)**

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
SHINTECH LOUISIANA, LLC
PLAQUEMINE PVC PLANT
DRAFT WATER DISCHARGE PERMIT MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a draft modification of a Louisiana Pollutant Discharge Elimination System (LPDES) permit prepared for Shintech Louisiana, LLC, Plaquemine PVC Plant, P.O. Box 358, Addis, Louisiana 70710. **The facility is located at 26270 Hwy 405 South on the west bank of the Mississippi River, Plaquemine, Iberville Parish.** Upon the effective date of the final permit modification, the modified LPDES permit shall replace the changed portions of previously issued State (LPDES) permit.

The principal discharge from this existing source is made into the Mississippi River, waters of the state classified for primary contact recreation, secondary contact recreation, fish and wildlife propagation, and drinking water supply. Under the SIC Codes 2869, 2812, and 2821, the applicant proposes to modify an existing LPDES permit for a proposed organic and inorganic chemical manufacturing facility.

During the preparation of this permit, it has been determined that the discharge will have no adverse impact on the existing uses of the receiving waterbody. As with any discharge, however, some change in existing water quality may occur.

This permit is being modified to add an additional outfall 003 Phase (Phase 1) to define precise wastewaters discharged under Phase 1 and 2, to correct typographical errors regarding a STORET Code, and to update current DMR reporting requirements. **In accordance with LAC 33:IX.3105.B.2, only those permit limitation and conditions pertaining to the draft modifications are open to public comment.**

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may 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 must be received by 12:30 p.m., Monday, May 21, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

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

Inquiries or requests for additional information regarding this permit action should be directed to Jenniffer Sheppard, LDEQ, Water Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3138.

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 maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the draft permit and fact sheet can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 126578, Permit Number LA0120529, and Activity Number PER20070001.

Scheduled Publication Date: Thursday, April 19, 2007

DRAFT

PERMIT NUMBER
LA0120529
AI No.: 126578

DEQ
LOUISIANA

OFFICE OF ENVIRONMENTAL SERVICES

Water Discharge Permit

Pursuant to the Clean Water Act, as amended (33 U.S.C. 1251 et seq.), and the Louisiana Environmental Quality Act, as amended (La. R. S. 30:2001 et seq.), rules and regulations effective or promulgated under the authority of said Acts, and in reliance on statements and representations heretofore made in the application, a Louisiana Pollutant Discharge Elimination System permit is issued authorizing

Shintech Louisiana, LLC
Plaquemine PVC Plant
P.O. Box 358
Addis, Louisiana 70710

Type Facility: Organic and inorganic chemical manufacturing facility

Location: 26270 Hwy 405 South on the west bank of the Mississippi River, near Plaquemine with front gate coordinates of latitude 30°16'24" North and longitude 91° 10'24" West, Iberville Parish

Receiving Waters: Mississippi River (Outfalls 001, 002, 003, and 004) and Bayou LaButte (Emergency Overflow for Outfall 003)

to discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II (as applicable) attached hereto.

This permit and the authorization to discharge were effective on January 1, 2007, and shall expire five (5) years from the original effective date of the permit.

This permit was not previously modified.

This modification shall become effective on_____

Issued on_____

_____
Chuck Carr Brown, Ph.D.
Assistant Secretary

DRAFT

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning Upon plant start up and initial commencement of discharge(*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 001, the continuous discharge of combined flows from Internal Outfalls 101, 201, 301, and 401, and hydrostatic test discharges from Outfall 004 (estimated flow is 8.362 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (ug/L, UNLESS STATED)			
CONVENTIONAL AND NONCONVENTIONAL	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050	Report	Report	---	---	Continuous	Recorder
pH Range Excursions (Continuous Monitoring), Number of Events >60 Minutes	82581	---	0(*3)	---	---	Continuous	Recorder
pH Range Excursions (Continuous Monitoring), Monthly Total Accumulated Time in Minutes	82582	---	446(*3)	---	---	Continuous	Recorder
pH Minimum/Maximum Values (Standard Units)	00400	---	---	Report (Min)	Report (Max)	Continuous	Recorder
WHOLE EFFLUENT (ACUTE) TOXICITY TESTING (*4)	STORET Code(*5)			*(Percent %, UNLESS STATED)* Monthly Avg Minimum	48-Hour Minimum	Measurement Frequency	Sample Type
NOEC, Pass/Fail [0/1], Lethality, Static Renewal, 48-Hour Acute, Pimephales promelas	TEM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Lethality, Static Renewal, 48-Hour Acute, Pimephales promelas	TOM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Coefficient of Variation, Static Renewal, 48-Hour Acute, Pimephales promelas	TQM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Pass/Fail [0/1], Lethality, Static Renewal, 48-Hour Acute, Daphnia pulex	TEM3D	---	---	Report	Report	1/quarter	24-hr. Composite

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Outfall 001 continued)

WHOLE EFFLUENT (ACUTE) TOXICITY TESTING(*4)	STORET Code(*5)			(Percent %, UNLESS STATED) Monthly Avg Minimum	48-Hour Minimum	Measurement Frequency	Sample Type
NOEC, Value [%], Lethality, Static Renewal, 48-Hour Acute, Daphnia pulex	TOM3D	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Coefficient of Variation, Static Renewal, 48-Hour Acute, Daphnia pulex	TQM3D	---	---	Report	Report	1/quarter	24-hr. Composite

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 001, at the point of discharge prior to combining with the waters of the Mississippi River.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning the discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) The pH shall be within the range of 6.0 - 9.0 standard units at all times subject to the continuous monitoring pH range excursion provisions at Part II.I.

(*4) Reporting Outfall will be 001. Results shall be reported on DMR as Outfall TX1.

(*5) Given test method or other, as approved at 40 CFR part 136.

Note: Refer to Part II.S.3.d.v. for biomonitoring requirements pertaining to multiple outfalls.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge(*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Internal Outfall 101, the continuous discharge of treated process wastewater and treated process area stormwater from the PVC, VCM, and EDC Units; treated sanitary wastewater; non-process area stormwater runoff; treated cooling tower blowdown; and miscellaneous de minimis utility discharges from general facility washwater, steam trap condensate, safety shower and eye wash station water, fire fighting system test water, pump bearing cooling water, air conditioning condensate, and previously monitored hydrostatic test water (estimated flow is 3.302 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (ug/L, UNLESS STATED)			
CONVENTIONAL AND NONCONVENTIONAL	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050	Report	Report	---	---	Continuous	Recorder
BOD_5	00310	747	1975	---	---	5/week	24-hr. Composite
TSS	00530	1164	3733	---	---	5/week	24-hr. Composite
TOC	00680	5930	18745	---	---	5/week	24-hr. Composite
METALS AND CYANIDE(*3)							
Total Copper	01042	13.87	32.34	---	---	1/week	24-hr. Composite
VOLATILE COMPOUNDS(*3)							
Acrylonitrile	34215	2.45	6.17	---	---	1/year	24-hr. Composite
Benzene	34030	0.94	3.47	---	---	1/year	24-hr. Composite
Carbon Tetrachloride	32102	0.46	0.97	---	---	1/year	24-hr. Composite
Chlorobenzene	34301	0.38	0.71	---	---	1/year	24-hr. Composite
Chloroethane	34311	2.65	6.83	---	---	1/year	24-hr. Composite
Chloroform	32106	0.54	1.17	---	---	1/year	24-hr. Composite
1,1-Dichloroethane	34496	0.56	1.50	---	---	1/year	24-hr. Composite
1,2-Dichloroethane	34531	1.73	5.38	---	---	1/year	24-hr. Composite
1,1-Dichloroethylene	34501	0.41	0.64	---	---	1/year	24-hr. Composite
1,2-trans-Dichloro-ethylene	34546	0.54	1.38	---	---	1/year	24-hr. Composite
1,2-Dichloropropane	34541	3.90	5.86	---	---	1/year	24-hr. Composite
1,3-Dichloropropylene	51044	0.74	1.12	---	---	1/year	24-hr. Composite
Ethylbenzene	34371	0.82	2.75	---	---	1/year	24-hr. Composite
Methyl Chloride	34418	2.19	4.84	---	---	1/year	24-hr. Composite
Methylene Chloride	34423	1.02	2.27	---	---	1/year	24-hr. Composite
Tetrachloroethylene	34475	0.56	1.43	---	---	1/year	24-hr. Composite
Toluene	34010	0.66	2.04	---	---	1/year	24-hr. Composite
1,1,1-Trichloroethane	34506	0.54	1.38	---	---	1/year	24-hr. Composite
1,1,2-Trichloroethane	34511	0.54	1.38	---	---	1/year	24-hr. Composite
Trichloroethylene	39180	0.54	1.38	---	---	1/year	24-hr. Composite
Vinyl Chloride	39175	2.65	6.83	---	---	1/year	24-hr. Composite

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Internal Outfall 101 continued)

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (ug/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
ACID COMPOUNDS(*3)							
2-Chlorophenol	34586	0.79	2.50	---	---	1/year	24-hr. Composite
2,4-Dichlorophenol	34601	0.99	2.85	---	---	1/year	24-hr. Composite
2,4-Dimethylphenol	34606	0.46	0.92	---	---	1/year	24-hr. Composite
4,6-Dinitro-o-Cresol	34657	1.99	7.06	---	---	1/year	24-hr. Composite
2,4-Dinitrophenol	34616	1.81	3.13	---	---	1/year	24-hr. Composite
2-Nitrophenol	34591	1.04	1.76	---	---	1/year	24-hr. Composite
4-Nitrophenol	34646	1.83	3.16	---	---	1/year	24-hr. Composite
Phenol	34694	0.38	0.66	---	---	1/year	24-hr. Composite
BASE NEUTRAL COMPOUNDS(*3)							
Acenaphthene	34205	0.56	1.50	---	---	1/year	24-hr. Composite
Acenaphthylene	34200	0.56	1.50	---	---	1/year	24-hr. Composite
Anthracene	34220	0.56	1.50	---	---	1/year	24-hr. Composite
Benzo(a)anthracene	34526	0.56	1.50	---	---	1/year	24-hr. Composite
Benzo(a)pyrene	34247	0.59	1.55	---	---	1/year	24-hr. Composite
3,4-Benzofluoranthene	34230	0.59	1.55	---	---	1/year	24-hr. Composite
Benzo(k)fluoranthene	34242	0.56	1.50	---	---	1/year	24-hr. Composite
Bis(2-ethylhexyl)phthalate	39100	2.62	7.11	---	---	1/year	24-hr. Composite
Chrysene	34320	0.56	1.50	---	---	1/year	24-hr. Composite
1,2-Dichlorobenzene	34536	1.96	4.15	---	---	1/year	24-hr. Composite
1,3-Dichlorobenzene	34566	0.79	1.12	---	---	1/year	24-hr. Composite
1,4-Dichlorobenzene	34571	0.38	0.71	---	---	1/year	24-hr. Composite
Diethyl phthalate	34336	2.06	5.17	---	---	1/year	24-hr. Composite
Dimethyl phthalate	34341	0.48	1.20	---	---	1/year	24-hr. Composite
Di-n-butyl phthalate	39110	0.69	1.45	---	---	1/year	24-hr. Composite
2,4-Dinitrotoluene	34611	2.88	7.26	---	---	1/year	24-hr. Composite
2,6-Dinitrotoluene	34626	6.50	16.34	---	---	1/year	24-hr. Composite
Fluoranthene	34376	0.64	1.73	---	---	1/year	24-hr. Composite
Fluorene	34381	0.56	1.50	---	---	1/year	24-hr. Composite
Hexachlorobenzene	39700	0.26	0.61	---	---	1/year	24-hr. Composite
Hexachlorobutadiene	34391	0.51	1.25	---	---	1/year	24-hr. Composite
Hexachloroethane	34396	0.54	1.38	---	---	1/year	24-hr. Composite
Naphthalene	34696	0.56	1.50	---	---	1/year	24-hr. Composite
Nitrobenzene	34447	0.69	1.73	---	---	1/year	24-hr. Composite
Phenanthrene	34461	0.56	1.50	---	---	1/year	24-hr. Composite
Pyrene	34469	0.64	1.71	---	---	1/year	24-hr. Composite
1,2,4-Trichlorobenzene	34551	1.73	3.57	---	---	1/year	24-hr. Composite

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Internal Outfall 101 continued)

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Internal Outfall 101, at the point of discharge from the wastewater treatment facility prior to combining with any other outfalls and the waters of the Mississippi River via Final Outfall 001.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) See Part II.J.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Internal Outfall 201, the continuous discharge of cooling tower blowdown and boiler blowdown from the VCM and Chlor-Alkali Units; and miscellaneous de minimis utility discharges from general facility washwater, steam trap condensate, safety shower and eye wash station water, fire fighting system test water, pump bearing cooling water, air conditioning condensate, and previously monitored hydrostatic test water from Outfall 004 (estimated flow is 1.699 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)			
CONVENTIONAL AND NONCONVENTIONAL	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency(*3)	Sample Type
Flow-MGD	50050	Report	Report	---	---	Continuous(*4)	Recorder
TOC	00680	---	---	---	50	1/month	Grab
Oil and Grease	03582	---	---	---	15	1/month	Grab

See Part II.Q. for additional cooling tower and boiler treatment chemical requirements.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Internal Outfall 201, at the point of discharge prior to combining with any other outfalls or the waters of the Mississippi River via Final Outfall 001.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) When discharging.

(*4) Flow shall be reported on the Discharge Monitoring Report as the sum of the flow rates from the VCM Unit and Chlor-Alkali Unit recorders.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Internal Outfall 301, the continuous discharge of process wastewater and process area stormwater from the Chlor-Alkali Unit and Tank Yard Area; non-process area stormwater runoff; and miscellaneous de minimis utility discharges from general facility washwater, steam trap condensate, safety shower and eye wash station water, fire fighting system test water, pump bearing cooling water, air conditioning condensate, and previously monitored hydrostatic test water from Outfall 004 (estimated flow is 2.625 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (ug/L, UNLESS STATED)			
CONVENTIONAL AND NONCONVENTIONAL	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050	Report	Report	---	---	Continuous	Recorder
Chlorine, Total Residual	50060	23.5	38.6	---	---	5/week	24-hr. Composite
TSS	00530	1515	3267	---	---	5/week	24-hr. Composite
METALS AND CYANIDE(*3)							
Total Copper	01042	14.55	35.64	---	---	1/week	24-hr. Composite
Total Lead	01051	5.64	13.96	---	---	1/week	24-hr. Composite
Total Nickel	01067	10.99	28.81	---	---	1/week	24-hr. Composite

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Internal Outfall 301, at the point of discharge prior to combining with any other outfalls or the waters of the Mississippi River via Final Outfall 001.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) See Part II.J.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Internal Outfall 401, the continuous discharge of cooling tower blowdown and boiler blowdown from the PVC and Utility Units; D.I. water backwash; and miscellaneous de minimis utility discharges from general facility washwater, steam trap condensate, safety shower and eye wash station water, fire fighting system test water, pump bearing cooling water, air conditioning condensate, and previously monitored hydrostatic test water from Outfall 004 (estimated flow is 0.736 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
		(lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency(*3)	Sample Type
Flow-MGD	50050	Report	Report	---	---	Continuous	Recorder
TOC	00680	---	---	---	50	1/month	Grab
Oil and Grease	03582	---	---	---	15	1/month	Grab

See Part II.Q. for additional cooling tower and boiler treatment chemical requirements.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Internal Outfall 401, at the point of discharge prior to combining with any other outfalls or the waters of the Mississippi River via Final Outfall 001.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) When discharging.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 002, the intermittent discharge of the underflow from the raw river water intake clarifier and solids to the river (estimated flow is 0.101 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations (lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)		Monitoring Requirements	
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency(*3)	Sample Type
Flow-MGD	50050	Report	Report	---	---	5/week	Estimate

WHOLE EFFLUENT (ACUTE) TOXICITY TESTING (*4)	STORET Code(*5)			(Percent %, UNLESS STATED) Monthly Avg Minimum	48-Hour Minimum	Measurement Frequency	Sample Type
NOEC, Pass/Fail [0/1], Lethality, Static Renewal, 48-Hour Acute, Pimephales promelas	TEM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Lethality, Static Renewal, 48-Hour Acute, Pimephales promelas	TOM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Coefficient of Variation, Static Renewal, 48-Hour Acute, Pimephales promelas	TQM6C	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Pass/Fail [0/1], Lethality, Static Renewal, 48-Hour Acute, Daphnia pulex	TEM3D	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Lethality, Static Renewal, 48-Hour Acute, Daphnia pulex	TOM3D	---	---	Report	Report	1/quarter	24-hr. Composite
NOEC, Value [%], Coefficient of Variation, Static Renewal, 48-Hour Acute, Daphnia pulex	TQM3D	---	---	Report	Report	1/quarter	24-hr. Composite

COAGULANTS:

The quantity and types of all coagulants (clarifying agents) used in the intake raw river water treatment clarification system during the sampling month shall be recorded. Records of the quantity and type of coagulants used shall be retained for three (3) years following Part III.C.3. No DMR reporting shall be required.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Outfall 002 continued)

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 002, at the point of discharge of the underflow from the raw river water intake clarifier prior to combining with the waters of the Mississippi River.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) When discharging.

(*4) Reporting Outfall will be 001. Results shall be reported on DMR as Outfall TX1.

(*5) Given test method or other, as approved at 40 CFR part 136.

Note: Refer to Part II.S.3.d.v. for biomonitoring requirements pertaining to multiple outfalls.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

PHASE 1

During the period beginning on the effective date of the modification and lasting upon plant start up initial commencement of discharge (*1)(*2) the permittee is authorized to discharge from:

Outfall 003, the intermittent discharge stormwater from construction activities and hydrostatic test wastewater from new piping , vessels, tanks, etc. during the construction period.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations				Monitoring Requirements	
				Other Units			
		(lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET *Code*	Monthly *Average*	Daily *Maximum*	Monthly *Average*	Daily *Maximum*	Measurement *Frequency*(*3)	Sample *Type*
Flow-MGD	50050	Report	Report	---	---	1/quarter	Estimate
TOC	00680	---	---	---	50	1/quarter	Grab
Oil and Grease	03582	---	---	---	15	1/quarter	Grab
pH Minimum/Maximum Values (Standard Units)	00400	---	---	6.0 (*4) (Min)	9.0 (*4) (Max)	1/quarter	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 003, at the point of discharge prior to combining with the waters of the Mississippi River or Bayou La Butte (during emergency overflow conditions only).

FOOTNOTE(S):

(*1) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*2) Plant startup and initial commencement of discharge shall mean the commencement of discharge of associated industrial wastewaters, including the discharge during the break-in period.

(*3) When discharging.

(*4) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

PHASE 2

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2)(*3) and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 003, the intermittent discharge of non-process area stormwater; and miscellaneous de minimis utility discharges from general facility washwater, steam trap condensate, safety shower and eye wash station water, fire fighting system test water, pump bearing cooling water, air conditioning condensate, and previously monitored hydrostatic test water from Outfall 004 (estimated flow is 2.597 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations (lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)		Monitoring Requirements	
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency(*4)	Sample Type
Flow-MGD	*50050*	Report	Report	---	---	*1/quarter*	*Estimate*
TOC	00680	---	---	---	50	1/quarter	Grab
Oil and Grease	03582	---	---	---	15	1/quarter	Grab
pH Minimum/Maximum Values (Standard Units)	00400	---	---	6.0 (*5) (Min)	9.0 (*5) (Max)	1/quarter	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 003, at the point of discharge prior to combining with the waters of the Mississippi River or Bayou La Butte (during emergency overflow conditions only).

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) Plant startup and initial commencement of discharge shall mean the commencement of discharge of associated industrial wastewaters, including the discharge during the break-in period.

(*4) When discharging.

(*5) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning Upon plant start up initial commencement of discharge (*1)(*2) and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 004, the intermittent discharge of hydrostatic test water (*).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic		Discharge Limitations (lbs/day, UNLESS STATED)		Other Units (mg/L, UNLESS STATED)		Monitoring Requirements	
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency(*3)	Sample Type
Flow-MGD	50050	---	Report	---	---	1/discharge event	Estimate
TSS (*4)	00530	---	---	---	90	1/discharge event	Grab
Oil & Grease	03582	---	---	---	15	1/discharge event	Grab
TOC(*5)	00680	---	---	---	50	1/discharge event	Grab
Benzene(*5)	34030	---	---	---	50 μg/L	1/discharge event	Grab
Total BTEX (*5 & 6)	30383	---	---	---	250 μg/L	1/discharge event	Grab
Total Lead (*5)	01051	---	---	---	50 μg/L	1/discharge event	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 004, at the point of discharge from the piping or vessel being tested prior to combining with any other waters.

* Hydrostatic test discharges may be discharged through Outfalls 001, 101, 201, 301, 401, and 003.

FOOTNOTE(S):

(*1) The permittee shall notify the Office of Environmental Services and Office of Environmental Compliance in writing, at least 30 days prior to beginning to discharge from this outfall. This requirement will supersede Part III.D.5.

(*2) See Parts II.K and II.R for Discharge Monitoring Requirements.

(*3) Monitoring is required once prior to proposed discharge.

(*4) The background concentration of Total Suspended Solids (TSS) will be allowed in the discharge if the effluent is being returned to the same water source from which the intake water was obtained. In these cases, the permit limitations will be 90 mg/L plus the concentration of TSS in the intake water. The TSS concentration of the intake water shall be reported on the Discharge Monitoring Report (DMR) along with the concentration of TSS in the effluent.

(*5) *Total Organic Carbon (TOC) shall be measured on discharges from facilities which have previously been in service; i.e., those facilities which are* not new. Benzene, Total BTEX, and Total Lead shall be measured on discharges from pipelines or vessels which have been used for the storage or transportation of liquid or gaseous petroleum hydrocarbons. Accordingly, Flow, TSS, Oil and Grease, and pH are the only testing requirements for new pipe or vessels.

(*6) BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, and total xylene (including ortho-, meta-, and para-xylene) as quantified by EPA methods 602, 624, or 1624.

OTHER REQUIREMENTS (continued)

PESTICIDES	MQL (µg/L)
Aldrin	0.05
Alpha-BHC	0.05
Beta-BHC	0.05
Gamma-BHC [Lindane]	0.05
Delta-BHC	0.05
Chlordane	0.2
4,4'-DDT	0.1
4,4'-DDE [p,p-DDX]	0.1
4,4'-DDD [p,p-TDE]	0.1
Dieldrin	0.1
Alpha-Endosulfan	0.1
Beta-Endosulfan	0.1
Endosulfan Sulfate	0.1
Endrin	0.1
Endrin Aldehyde	0.1
Heptachlor	0.05
Heptachlor Epoxide [BHC-Hexachlorocyclohexane]	0.05
PCB-1242	1.0
PCB-1254	1.0
PCB-1221	1.0
PCB-1232	1.0
PCB-1248	1.0
PCB-1260	1.0
PCB-1016	1.0
Toxaphene	5.0

The permittee may develop an effluent specific method detection limit (MDL) in accordance with Appendix B to 40 CFR Part 136 (See LAC 33:IX.4901). For any pollutant for which the permittee determines an effluent specific MDL, the permittee shall send to this Office a report containing QA/QC documentation, analytical results, and calculations necessary to demonstrate that the effluent specific MDL was correctly calculated. An effluent specific minimum quantification level (MQL) shall be determined in accordance with the following calculation:

$$MQL = 3.3 \times MDL$$

Upon written approval by this Office, the effluent specific MQL may be utilized by the permittee for all future Discharge Monitoring Report (DMR) calculations and reporting requirements.

K. The permittee shall achieve compliance with the effluent limitations and monitoring requirements specified for discharges in accordance with the following schedule:

Outfall 003 (Phase 1) - upon effective date of the permit modification.

All other outfalls (001, 101, 201, 301, 401, 002, 003 Phase 2, and 004) - shall become effective after construction of the proposed facility and upon initial commencement of discharge of associated industrial wastewaters, including the discharge during the break-in period.

OTHER REQUIREMENTS (continued)

The permittee shall notify the Office of Environmental Services, Office of Compliance – Permit Compliance Unit, and the Capital Regional Office in writing at least 30 days prior to commencement of discharge.

L. COOLING WATER INTAKE REQUIREMENTS

The permittee has demonstrated that 316(b) Phase I requirements are not applicable due to the use of an existing cooling water intake structure and the use of flow control measures restricting greater flow than the structure's existing capacity flow.

PERFORMANCE STANDARDS

The permittee must operate the cooling water intake structure in compliance with the following:

1. The intake flow of the cooling water intake structure must be no greater than 9.7 MGD, as indicated by the permit application submitted to this Office on March 24, 2005.

2. The intake flow shall be recorded daily and kept onsite for a period of three (3) years.

3. Should the intake rate exceed 9.7 MGD, Shintech must notify the Office of Environmental Compliance and Office of Environmental Services in writing within thirty (30) days of the exceedance. Upon review, Shintech may be subject to 316(b), Phase I requirements as defined in Chapter 40 of the Code of Federal Regulations Section 125 Subpart I (40 CFR 125) and required to apply for a modification to this permit.

M. PERMIT REOPENER CLAUSE

The permittee is to submit Items V and VI of LPDES application Form 2C (see LAC 33:IX.2501.G) no later than two years after the commencement of discharge from the proposed facility as per LAC 33:IX.2501.K.5.f. Upon submittal of appropriate Items, LDEQ may choose to modify, or alternatively revoke and reissue this permit to change effluent limitations based on the actual reported flow or production.

In accordance with LAC 33:IX.2903, this permit may be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act, if the effluent standard or limitations so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit; or

3. Require reassessment due to change in 303(d) status of waterbody; or

4. Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional

OTHER REQUIREMENTS (continued)

water quality studies and/or TMDL's The LDEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

N. STORMWATER DISCHARGES

1. This section applies to all stormwater discharges from the facility, either through permitted outfalls or through outfalls which are not listed in the permit or as sheet flow. The purpose of the pollution prevention plan is to identify potential sources of pollution that would reasonably be expected to affect the quality of stormwater and identify the practices that will be used to prevent or reduce the pollutants in stormwater discharges.

2. Any runoff leaving the developed areas of the facility, other than the permitted outfall(s), exceeding 50 mg/L TOC, 15 mg/L Oil and Grease, or having a pH less than 6.0 or greater than 9.0 standard units shall be a violation of this permit. Any discharge in excess of these limitations, which is attributable to offsite contamination shall not be considered a violation of this permit. A visual inspection of the facility shall be conducted and a report made annually as described in Paragraph 4 below.

3. The permittee shall prepare, implement, and maintain a Storm Water Pollution Prevention Plan (SWP3) within six (6) months after the startup of plant and commencement of discharge under the final permit. The terms and conditions of the SWP3 shall be an enforceable Part of the permit. If the permittee maintains other plans that contain duplicative information, those plans could be incorporated by reference into the SWP3. Examples of these type plans include, but are not limited to: Spill Prevention Control and Countermeasure Plan (SPCC), Best Management Plan (BMP), Response Plans, etc. EPA document 833-R-92-006 (Storm Water Management for Industrial Activities) may be used as a guidance and may be obtained by writing to the Water Resource Center (RC_4100), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue NW, Washington D.C. 20460 or by calling (202) 566-1729 or via the Wetlands Helpline (800) 832-7828.

4. The following conditions are applicable to all facilities and shall be included in the SWP3 for the facility.

   a. The permittee shall conduct an annual inspection of the facility site to identify areas contributing to the storm water discharge from developed areas of the facility and evaluate whether measures to reduce pollutant loadings identified in the SWP3 are adequate and have been properly implemented in accordance with the terms of the permit or whether additional control measures are needed.

   b. The permittee shall develop a site map which includes all areas where stormwater may contact potential pollutants or substances which can cause pollution. Any location where reportable quantities leaks or spills have previously occurred are to be documented in the SWP3. The SWP3 shall contain a description of the potential pollutant sources, including, the type and quantity of material present and what action has been taken to assure stormwater precipitation will not directly contact the substances and result in contaminated runoff.

OTHER REQUIREMENTS (continued)

c. Where experience indicates a reasonable potential for equipment failure (e.g. a tank overflow or leakage), natural condition of (e.g. precipitation), or other circumstances which result in significant amounts of pollutants reaching surface waters, the SWP3 should include a prediction of the direction, rate of flow and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.

d. The permittee shall maintain for a period of three years a record summarizing the results of the inspection and a certification that the facility is in compliance with the SWP3, and identifying any incidents of noncompliance. The summary report should contain, at a minimum, the date and time of inspection, name of inspector(s), conditions found, and changes to be made to the SWP3.

e. The summary report and the following certification shall be signed in accordance with LAC 33:IX.2503. The summary report is to be attached to the SWP3 and provided to the Department upon request.

"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."

Signatory requirements for the certification may be found in Part III, Section D.10 of this permit.

f. The permittee shall make available to the Department, upon request, a copy of the SWP3 and any supporting documentation.

5. The following shall be included in the SWP3, if applicable.

a. The permittee shall utilize all reasonable methods to minimize any adverse impact on the drainage system including but not limited to:

a. maintaining adequate roads and driveway surfaces;
b. removing debris and accumulated solids from the drainage system; and
c. cleaning up immediately any spill by sweeping, absorbent pads, or other appropriate methods.

b. All spilled product and other spilled wastes shall be immediately cleaned up and disposed of according to all applicable regulations, Spill Prevention and Control (SPC) plans or Spill Prevention Control and Countermeasures (SPCC) plans. Use of detergents, emulsifiers, or dispersants to clean up spilled product is prohibited except where necessary to comply with State or Federal safety regulations (i.e., requirement for non-slippery work surface) except where the cleanup practice does not result in a discharge and does not leave residues exposed to future storm events. In all such cases, initial cleanup shall be done by physical removal and chemical usage shall be minimized.

OTHER REQUIREMENTS (continued)

c. All equipment, parts, dumpsters, trash bins, petroleum products, chemical solvents, detergents, or other materials exposed to stormwater shall be maintained in a manner which prevents contamination of stormwater by pollutants.

d. All waste fuel, lubricants, coolants, solvents, or other fluids used in the repair or maintenance of vehicles or equipment shall be recycled or contained for proper disposal. Spills of these materials are to be cleaned up by dry means whenever possible.

e. If applicable, all storage tank installations (with a capacity greater than 660 gallons for an individual container, or 1,320 gallons for two or more containers in aggregate within a common storage area) shall be constructed so that a secondary means of containment is provided for the entire contents of the largest tank plus sufficient freeboard to allow for precipitation. Diked areas should be sufficiently impervious to contain spills.

f. All diked areas surrounding storage tanks or stormwater collection basins shall be free of residual oil or other contaminants so as to prevent the accidental discharge of these materials in the event of flooding, dike failure, or improper draining of the diked area. All drains from diked areas shall be equipped with valves which shall be kept in the closed condition except during periods of supervised discharge.

g. All check valves, tanks, drains, or other potential sources of pollutant releases shall be inspected and maintained on a regular basis to assure their proper operation and to prevent the discharge of pollutants.

h. The permittee shall assure compliance with all applicable regulations promulgated under the Louisiana Solid Waste and Resource Recovery Law and the Hazardous Waste Management Law (L.R.S. 30:2151, etc.). Management practices required under above regulations shall be referenced in the SWP3.

i. The permittee shall amend the SWP3 whenever there is a change in the facility or change in the operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.

j. If the SWP3 proves to be ineffective in achieving the general objectives of preventing the release of significant amounts of pollutants to water of the state, then the specific objectives and requirements of the SWP3 shall be subject to modification to incorporate revised SWP3 requirements.

6. Facility Specific SWP3 Conditions:

None

O. HYDROSTATIC TEST WATER

No discharge shall generate a flow condition within any drainage conveyance or waterbody which, either alone or in concert with storm water runoff, represents a threat to public safety by virtue of discharge velocity.

OTHER REQUIREMENTS (continued)

Additives such as corrosion inhibitors, bactericides, and dyes may not be added to the test water to be discharged without prior approval from this Office. Toxicity data for each additive must be submitted prior to approval.

There shall be no discharge of PCB's. Proof that PCB's are not present in the pipe is required for all pipelines which have been in use for transmission of natural gas. Such proof shall consist of a statement, signed by a responsible company official, stating that the pipeline has been tested for, and found to be free of PCB's, or that compressors or other equipment that contained PCB's were never used on the pipeline. If the permittee cannot furnish such certification, then the discharge water must be tested for PCB's prior to any discharge, in accordance with EPA methods 608 or 625, and the results submitted to this Office. This data must be submitted as an attachment to the DMR which corresponds with the month the hydrostatic test water is released. Analyte concentrations less than 1 μg/L are considered "non-detects."

P. PROPOSED DISCHARGE NOTIFICATION

Prior approval shall be obtained from this Office for any new proposed discharges at the site. Different monitoring and effluent limitations may be required at this time.

Q. The monthly usage of cooling tower and boiler treatment chemicals is to be reported. The average monthly concentration of the same chemicals is also to be reported. This information is to be submitted with the Discharge Monitoring Reports (DMRs).

R. DISCHARGE MONITORING REPORTS

Monitoring results must be reported on a Discharge Monitoring Report (DMR) form (EPA No. 3320-1 or an approved substitute). All monitoring reports must be retained for a period of at least three (3) years from the date of the sample measurement. The permittee shall make available to this Department, upon request, copies of all monitoring data required by this permit.

If there is a no discharge event at any of the monitored outfall(s) during the reporting period, place an "X" in the NO DISCHARGE box located in the upper right corner of the Discharge Monitoring Report.

Reporting periods shall end on the last day of the month. Monitoring results for each month shall be summarized on a Discharge Monitoring Report (DMR) Form and submitted to this Department per schedule below, postmarked no later than the 15th day of the month following each reporting period.

Permittees shall be required to submit DMR's according to the following schedule or as established in the permit:

For parameter(s) with monitoring frequency(ies) of 1/month or more frequent(example 3/week, 1/event, 1/discharge, 2/month):

Submit DMR postmarked by the 15th day of the following month.

OTHER REQUIREMENTS (continued)

For parameter(s) with monitoring frequency(ies) of 1/quarter:

Monitoring Period	DMR Postmark Date
January 1 - March 31	April 15th
April 1 - June 30	July 15th
July 1 - September 30	October 15th
October 1 - December 31	January 15th

For parameter(s) with monitoring frequency(ies) of semi-annual:

Monitoring Period	DMR Postmark Date
January 1 - June 30	July 15th
July 1 - December 31	January 15th

For parameter(s) with monitoring frequency(ies) of 1/year:

Monitoring Period	DMR Postmark Date
January 1 - December 31	January 15th

Duplicate copies of DMR's (one set of originals and one set of copies) signed and certified as required by LAC 33:IX.2503, and all other reports (one set of originals) required by this permit shall be submitted to the Permit Compliance Unit at the following addresses:

Department of Environmental Quality
Office of Environmental Compliance
Permit Compliance Unit
Post Office Box 4312
Baton Rouge, Louisiana 70821-4312