DRAFT

PERMIT NUMBER
LA0056600
AI No.: 2612

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

Delta Terminal Services, LLC
Harvey Terminal
P.O. Box 581
Harvey, Louisiana 70059

Type Facility: chemical bulk storage facility

Location: 3540 River Road in Harvey
Jefferson Parish

Receiving Waters: the Intracoastal Canal via local drainage (Outfalls 001, 002, 004, 011, 012, and 013) and the Mississippi River (Outfall 003)

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

This permit shall become effective on_____

This permit and the authorization to discharge shall expire five (5) years from the effective date of the permit.

DRAFT

Issued on_____

_____
Chuck Carr Brown, Ph.D.
Assistant Secretary

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 001 – the intermittent discharge of stormwater from the Fina Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater (*1)
Outfall 002 – the intermittent discharge of stormwater from the West Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater (*1)
Outfall 003 – the intermittent discharge of stormwater from the East Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water and previously monitored treated sanitary wastewater (*1)
Outfall 004 – the intermittent discharge of stormwater from the Hydril Yard, washdown water, utility washwater, boiler condensate, boiler blowdown, previously monitored hydrostatic testing water (*1)

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

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050	Report	Report	---	---	1/month	Estimate
TOC	00680	---	---	---	50	1/month	Grab
Oil & Grease	03582	---	---	---	15	1/month	Grab
pH Min/Max Values (Standard Units)	00400	---	---	6.0 (*3) (Min)	9.0 (*3) (Max)	1/month	Grab
METALS, CYANIDE, TOTAL PHENOLS							
Antimony (*4)	01097	---	---	---	600 ug/L	1/month	Grab
Arsenic (*4)	01002	---	---	---	100 ug/L	1/month	Grab
Beryllium (*4)	01012	---	---	---	100 ug/L	1/month	Grab
Cadmium (*4)	01027	---	---	---	100 ug/L	1/month	Grab
Chromium (*4)	01034	---	---	---	150 ug/L	1/month	Grab
Copper (*4)	01042	---	---	---	500 ug/L	1/month	Grab
Lead (*4)	01051	---	---	---	150 ug/L	1/month	Grab
Mercury (*4)	71900	---	---	---	10 ug/L	1/month	Grab
Nickel(*4)	01067	---	---	---	500 ug/L	1/month	Grab
Selenium (*4)	01147	---	---	---	100 ug/L	1/month	Grab
Silver (*4)	01077	---	---	---	100 ug/L	1/month	Grab
Thallium (*4)	01059	---	---	---	100 ug/L	1/month	Grab
Zinc (*4)	01092	---	---	---	1000 ug/L	1/month	Grab
Total Cyanide (*4)	00720	---	---	---	100 ugL	1/month	Grab
Total Phenols (*4)	32730	---	---	---	500 ug/L	1/month	Grab
VOLATILE COMPOUNDS							
Acrolein (*4)	34210	---	---	---	100 ug/L	1/month	Grab
Acrylonitrile(*4)	34215	---	---	---	100 ug/L	1/month	Grab
Benzene (*4)	34030	---	---	---	100 ug/L	1/month	Grab
Bromoform (*4)	32104	---	---	---	100 ug/L	1/month	Grab
Carbon Tetrachloride (*4)	32102	---	---	---	100 ug/L	1/month	Grab
Chlorobenzene (*4)	34301	---	---	---	100 ug/L	1/month	Grab
Chlorodibromomethane (*4)	32105	---	---	---	100 ug/L	1/month	Grab
Chloroethane (*4)	34311	---	---	---	100 ug/L	1/month	Grab
2-Chloroethyl Vinyl Ether(*4)	34576	---	---	---	100 ug/L	1/month	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Chloroform (*4)	32106	---	---	---	100 ug/L	1/month	Grab
Dichlorobromomethane (*4)	32101	---	---	---	100 ug/L	1/month	Grab
1,1-Dichloroethane (*4)	34496	---	---	---	100 ug/L	1/month	Grab
1,2-Dichloroethane (*4)	34531	---	---	---	100 ug/L	1/month	Grab
1,1-Dichloroethylene(*4)	34501	---	---	---	100 ug/L	1/month	Grab
1,2-Dichloropropane (*4)	34541	---	---	---	100 ug/L	1/month	Grab
1,3-Dichloropropylene (*4)	51044	---	---	---	100 ug/L	1/month	Grab
Ethylbenzene (*4)	34371	---	---	---	100 ug/L	1/month	Grab
Methyl Bromide (*4)	34413	---	---	---	100 ug/L	1/month	Grab
Methyl Chloride (*4)	34418	---	---	---	100 ug/L	1/month	Grab
Methylene Chloride (*4)	34423	---	---	---	100 ug/L	1/month	Grab
1,1,2,2-Tetra-Chloroethane(*4)	34516	---	---	---	100 ug/L	1/month	Grab
Tetrachloroethylene (*4)	34475	---	---	---	100 ug/L	1/month	Grab
Toluene (*4)	34010	---	---	---	100 ug/L	1/month	Grab
1-2-Trans-Dichloroethylene(*4)	34546	---	---	---	100 ug/L	1/month	Grab
1,1,1-Trichloroethane (*4)	34506	---	---	---	100 ug/L	1/month	Grab
1,1,2-Trichloroethane (*4)	34511	---	---	---	100 ug/L	1/month	Grab
Trichlorethylene (*4)	39180	---	---	---	100 ug/L	1/month	Grab
Vinyl Chloride (*4)	39175	---	---	---	100 ug/L	1/month	Grab
ACID COMPOUNDS							
Phenol (*4)	34694	---	---	---	100 ug/L	1/month	Grab
2-Nitrophenol (*4)	34591	---	---	---	100 ug/L	1/month	Grab
4-Nitrophenol (*4)	34646	---	---	---	100 ug/L	1/month	Grab
2,4-Dinitrophenol (*4)	34616	---	---	---	100 ug/L	1/month	Grab
4,6-Dinitro-o-Cresol (*4)	34657	---	---	---	100 ug/L	1/month	Grab
P-Chloro-M-Cresol (*4)	34452	---	---	---	100 ug/L	1/month	Grab
Pentachlorophenol (*4)	39032	---	---	---	100 ug/L	1/month	Grab
2-chlorophenol (*4)	34586	---	---	---	100 ug/L	1/month	Grab
2,4-Dichlorophenol (*4)	34601	---	---	---	100 ug/L	1/month	Grab
2,4,6-Trichlorophenol (*4)	34621	---	---	---	100 ug/L	1/month	Grab
2,4-Dimethylphenol (*4)	34606	---	---	---	100 ug/L	1/month	Grab
BASE/NEUTRAL COMPOUNDS							
1,2-Dichlorobenzene (*4)	34536	---	---	---	100 ug/L	1/month	Grab
1,2-Diphenylhydrazine (*4)	34346	---	---	---	100 ug/L	1/month	Grab
1,2,4-Trichlorobenzene (*4)	34551	---	---	---	100 ug/L	1/month	Grab
1,3-Dichlorobenzene (*4)	34566	---	---	---	100 ug/L	1/month	Grab
1,4-Dichlorobenzene (*4)	34571	---	---	---	100 ug/L	1/month	Grab
2-Chloronaphthalene (*4)	34581	---	---	---	100 ug/L	1/month	Grab
2,4-Dinitrotoluene (*4)	34611	---	---	---	100 ug/L	1/month	Grab
2,6-Dinitrotoluene (*4)	34626	---	---	---	100 ug/L	1/month	Grab
3,3'-Dichlorobenzidine (*4)	34631	---	---	---	100 ug/L	1/month	Grab
3,4-Benzofluoranthene (*4)	34230	---	---	---	100 ug/L	1/month	Grab
4-Bromophenyl Phenyl Ether (*4)	34636	---	---	---	100 ug/L	1/month	Grab
4-Chlorophenyl Phenyl Ether (*4)	34641	---	---	---	100 ug/L	1/month	Grab
Acenaphthene (*4)	34205	---	---	---	100 ug/L	1/month	Grab
Acenaphthylene (*4)	34200	---	---	---	100 ug/L	1/month	Grab
Anthracene (*4)	34220	---	---	---	100 ug/L	1/month	Grab
Benzidine (*4)	39120	---	---	---	100 ug/L	1/month	Grab
Benzo (a) Anthracene (*4)	34526	---	---	---	100 ug/L	1/month	Grab
Benzo (a) Pyrene (*4)	34247	---	---	---	100 ug/L	1/month	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Benzo, (g,h,i) Perylene (*4)	34521	---	---	---	100 ug/L	1/month	Grab
Benzo (k) Fluoranthene (*4)	34242	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroethoxy) Methane (*4)	34278	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroethyl) Ether (*4)	34273	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroisopropyl) Ether (*4)	34283	---	---	---	100 ug/L	1/month	Grab
Bis (2-Ethylhexyl) Phthalate (*4)	39100	---	---	---	100 ug/L	1/month	Grab
Butyl Benzyl Phthalate (*4)	34292	---	---	---	100 ug/L	1/month	Grab
Chrysene (*4)	34320	---	---	---	100 ug/L	1/month	Grab
Dibenzo (a,h) Anthracene (*4)	34556	---	---	---	100 ug/L	1/month	Grab
Diethyl Phthalate (*4)	34336	---	---	---	100 ug/L	1/month	Grab
Dimethyl Phthalate (*4)	34341	---	---	---	100 ug/L	1/month	Grab
Di-N-Butyl Phthalate (*4)	39110	---	---	---	100 ug/L	1/month	Grab
Di-N-Octyl Phthalate (*4)	34596	---	---	---	100 ug/L	1/month	Grab
Fluoranthene (*4)	34376	---	---	---	100 ug/L	1/month	Grab
Fluorene (*4)	34381	---	---	---	100 ug/L	1/month	Grab
Hexachlorobenzene (*4)	39700	---	---	---	100 ug/L	1/month	Grab
Hexachlorobutadiene (*4)	34391	---	---	---	100 ug/L	1/month	Grab
Hexachlorocyclopentadiene (*4)	34386	---	---	---	100 ug/L	1/month	Grab
Hexachloroethane (*4)	34396	---	---	---	100 ug/L	1/month	Grab
Ideno (1,2,3-c,d) Pyrene (*4)	34403	---	---	---	100 ug/L	1/month	Grab
Isophorone (*4)	34408	---	---	---	100 ug/L	1/month	Grab
Naphthalene (*4)	34696	---	---	---	100 ug/L	1/month	Grab
Nitrobenzene (*4)	34447	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodimethylamine (*4)	34438	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodi-n-propylamine (*4)	34428	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodiphenylamine (*4)	34433	---	---	---	100 ug/L	1/month	Grab
Phenanthrene (*4)	34461	---	---	---	100 ug/L	1/month	Grab
Pyrene (*4)	34469	---	---	---	100 ug/L	1/month	Grab
PESTICIDES/HERBICIDES							
Alpha-Endosulfan (*4)	34361	---	---	---	10 ug/L	1/month	Grab
Beta-Endosulfan (*4)	34356	---	---	---	10 ug/L	1/month	Grab
Endosulfan Sulfate (*4)	34351	---	---	---	10 ug/L	1/month	Grab
Aldrin (*4)	39330	---	---	---	10 ug/L	1/month	Grab
Alpha-BHC (*4)	39337	---	---	---	10 ug/L	1/month	Grab
Beta-BHC (*4)	39338	---	---	---	10 ug/L	1/month	Grab
Gamma-BHC (*4)	39340	---	---	---	10 ug/L	1/month	Grab
Delta-BHC (*4)	34259	---	---	---	10 ug/L	1/month	Grab
Dieldrin (*4)	39380	---	---	---	10 ug/L	1/month	Grab
4,4'-DDE (*4)	39320	---	---	---	10 ug/L	1/month	Grab
4,4'-DDD (*4)	39310	---	---	---	10 ug/L	1/month	Grab
4,4'-DDT (*4)	39300	---	---	---	10 ug/L	1/month	Grab
Heptachlor (*4)	39410	---	---	---	10 ug/L	1/month	Grab
Endrin Aldehydye (*4)	34366	---	---	---	10 ug/L	1/month	Grab
Heptachlor Epoxide (*4)	39420	---	---	---	10 ug/L	1/month	Grab
Chlordane (*4)	39350	---	---	---	10 ug/L	1/month	Grab
Toxaphene (*4)	39400	---	---	---	10 ug/L	1/month	Grab
PCB-1242 (*4)	39496	---	---	---	(*5)	1/month	Grab
PCB-1254 (*4)	39504	---	---	---	(*5)	1/month	Grab
PCB-1221 (*4)	39488	---	---	---	(*5)	1/month	Grab
PCB-1232 (*4)	39492	---	---	---	(*5)	1/month	Grab
PCB-1248 (*4)	39500	---	---	---	(*5)	1/month	Grab
PCB-1260 (*4)	39508	---	---	---	(*5)	1/month	Grab
PCB-1016 (*4)	34671	---	---	---	(*5)	1/month	Grab
2,3,7,8-TCDD (Dioxin) (*4)	34675	---	---	---	5ug/L	1/month	Grab
Endrin (*4)	39390	---	---	---	5ug/L	1/month	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

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 from the stormwater collection pit in the Fina Yard prior to combining with the other waters
Outfall 002, at the point of discharge from the stormwater collection pit in the West Yard prior to combining with the other waters
Outfall 003, at the point of discharge from the pump on the water treatment system in the East Yard prior to combining with the other waters
Outfall 004, at the point of discharge from the stormwater collection pit in the Hydril Yard prior to combining with the other waters

FOOTNOTE(S):

(*1) See Part II, Paragraph K.

(*2) When discharging.

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

(*4) See Part II, Paragraph L.

(*5) There shall be no discharge of polychlorinated biphenyls (PCBs).

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 011 – the intermittent discharge of stormwater from the Main Yard (*1)
Outfall 012 – the intermittent discharge of stormwater from the east/central part of the West Yard (*1)
Outfall 013 – the intermittent discharge of stormwater from the southeast part of the West Yard (*1)

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

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow-MGD	50050	Report	Report	---	---	1/month	Estimate
TOC	00680	---	---	---	50	1/month	Grab
Oil & Grease	03582	---	---	---	15	1/month	Grab
pH Min/Max Values (Standard Units)	00400	---	---	6.0 (*3) (Min)	9.0 (*3) (Max)	1/month	Grab
METALS, CYANIDE, TOTAL PHENOLS							
Antimony (*4)	01097	---	---	---	600 ug/L	1/month	Grab
Arsenic (*4)	01002	---	---	---	100 ug/L	1/month	Grab
Beryllium (*4)	01012	---	---	---	100 ug/L	1/month	Grab
Cadmium (*4)	01027	---	---	---	100 ug/L	1/month	Grab
Chromium (*4)	01034	---	---	---	150 ug/L	1/month	Grab
Copper (*4)	01042	---	---	---	500 ug/L	1/month	Grab
Lead (*4)	01051	---	---	---	150 ug/L	1/month	Grab
Mercury (*4)	71900	---	---	---	10 ug/L	1/month	Grab
Nickel(*4)	01067	---	---	---	500 ug/L	1/month	Grab
Selenium (*4)	01147	---	---	---	100 ug/L	1/month	Grab
Silver (*4)	01077	---	---	---	100 ug/L	1/month	Grab
Thallium (*4)	01059	---	---	---	100 ug/L	1/month	Grab
Zinc (*4)	01092	---	---	---	1000 ug/L	1/month	Grab
Total Cyanide (*4)	00720	---	---	---	100 ugL	1/month	Grab
Total Phenols (*4)	32730	---	---	---	500 ug/L	1/month	Grab
VOLATILE COMPOUNDS							
Acrolein (*4)	34210	---	---	---	100 ug/L	1/month	Grab
Acrylonitrile(*4)	34215	---	---	---	100 ug/L	1/month	Grab
Benzene (*4)	34030	---	---	---	100 ug/L	1/month	Grab
Bromoform (*4)	32104	---	---	---	100 ug/L	1/month	Grab
Carbon Tetrachloride (*4)	32102	---	---	---	100 ug/L	1/month	Grab
Chlorobenzene (*4)	34301	---	---	---	100 ug/L	1/month	Grab
Chlorodibromomethane (*4)	32105	---	---	---	100 ug/L	1/month	Grab
Chloroethane (*4)	34311	---	---	---	100 ug/L	1/month	Grab
2-Chloroethyl Vinyl Ether(*4)	34576	---	---	---	100 ug/L	1/month	Grab
Chloroform (*4)	32106	---	---	---	100 ug/L	1/month	Grab
Dichlorobromomethane (*4)	32101	---	---	---	100 ug/L	1/month	Grab
1,1-Dichlorocthane (*4)	34496	---	---	---	100 ug/L	1/month	Grab
1,2-Dichloroethane (*4)	34531	---	---	---	100 ug/L	1/month	Grab
1,1-Dichloroethylene(*4)	34501	---	---	---	100 ug/L	1/month	Grab
1,2-Dichloropropane (*4)	34541	---	---	---	100 ug/L	1/month	Grab
1,3-Dichloropropylene (*4)	51044	---	---	---	100 ug/L	1/month	Grab
Ethylbenzene (*4)	34371	---	---	---	100 ug/L	1/month	Grab
Methyl Bromide (*4)	34413	---	---	---	100 ug/L	1/month	Grab
Methyl Chloride (*4)	34418	---	---	---	100 ug/L	1/month	Grab
Methylene Chloride (*4)	34423	---	---	---	100 ug/L	1/month	Grab
1,1,2,2-Tetra-Chloroethane(*4)	34516	---	---	---	100 ug/L	1/month	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Tetrachloroethylene (*4)	34475	---	---	---	100 ug/L	1/month	Grab
Toluene (*4)	34010	---	---	---	100 ug/L	1/month	Grab
1-2-Trans-Dichloroethylene(*4)	34546	---	---	---	100 ug/L	1/month	Grab
1,1,1-Trichloroethane (*4)	34506	---	---	---	100 ug/L	1/month	Grab
1,1,2-Trichloroethane (*4)	34511	---	---	---	100 ug/L	1/month	Grab
Trichlorethylene (*4)	39180	---	---	---	100 ug/L	1/month	Grab
Vinyl Chloride (*4)	39175	---	---	---	100 ug/L	1/month	Grab
ACID COMPOUNDS							
Phenol (*4)	34694	---	---	---	100 ug/L	1/month	Grab
2-Nitrophenol (*4)	34591	---	---	---	100 ug/L	1/month	Grab
4-Nitrophenol (*4)	34646	---	---	---	100 ug/L	1/month	Grab
2,4-Dinitrophenol (*4)	34616	---	---	---	100 ug/L	1/month	Grab
4,6-Dinitro-o-Cresol (*4)	34657	---	---	---	100 ug/L	1/month	Grab
P-Chloro-M-Cresol (*4)	34452	---	---	---	100 ug/L	1/month	Grab
Pentachlorophenol (*4)	39032	---	---	---	100 ug/L	1/month	Grab
2-chlorophenol (*4)	34586	---	---	---	100 ug/L	1/month	Grab
2,4-Dichlorophenol (*4)	34601	---	---	---	100 ug/L	1/month	Grab
2,4,6-Trichlorophenol (*4)	34621	---	---	---	100 ug/L	1/month	Grab
2,4-Dimethylphenol (*4)	34606	---	---	---	100 ug/L	1/month	Grab
BASE/NEUTRAL COMPOUNDS							
1,2-Dichlorobenzene (*4)	34536	---	---	---	100 ug/L	1/month	Grab
1,2-Diphenylhydrazine (*4)	34346	---	---	---	100 ug/L	1/month	Grab
1,2,4-Trichlorobenzene (*4)	34551	---	---	---	100 ug/L	1/month	Grab
1,3-Dichlorobenzene (*4)	34566	---	---	---	100 ug/L	1/month	Grab
1,4-Dichlorobenzene (*4)	34571	---	---	---	100 ug/L	1/month	Grab
2-Chloronaphthalene (*4)	34581	---	---	---	100 ug/L	1/month	Grab
2,4-Dinitrotoluene (*4)	34611	---	---	---	100 ug/L	1/month	Grab
2,6-Dinitrotoluene (*4)	34626	---	---	---	100 ug/L	1/month	Grab
3,3'-Dichlorobenzidine (*4)	34631	---	---	---	100 ug/L	1/month	Grab
3,4-Benzofluoranthene (*4)	34230	---	---	---	100 ug/L	1/month	Grab
4-Bromophenyl Phenyl Ether (*4)	34636	---	---	---	100 ug/L	1/month	Grab
4-Chlorophenyl Phenyl Ether (*4)	34641	---	---	---	100 ug/L	1/month	Grab
Acenaphthene (*4)	34205	---	---	---	100 ug/L	1/month	Grab
Acenaphthylene (*4)	34200	---	---	---	100 ug/L	1/month	Grab
Anthracene (*4)	34220	---	---	---	100 ug/L	1/month	Grab
Benzidine (*4)	39120	---	---	---	100 ug/L	1/month	Grab
Benzo (a) Anthracene (*4)	34526	---	---	---	100 ug/L	1/month	Grab
Benzo (a) Pyrene (*4)	34247	---	---	---	100 ug/L	1/month	Grab
Benzo, (g,h,i) Perylene (*4)	34521	---	---	---	100 ug/L	1/month	Grab
Benzo (k) Fluoranthene (*4)	34242	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroethoxy) Methane (*4)	34278	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroethyl) Ether (*4)	34273	---	---	---	100 ug/L	1/month	Grab
Bis (2-Chloroisopropyl) Ether (*4)	34283	---	---	---	100 ug/L	1/month	Grab
Bis (2-Ethylhexyl) Phthalate (*4)	39100	---	---	---	100 ug/L	1/month	Grab
Butyl Benzyl Phthalate (*4)	34292	---	---	---	100 ug/L	1/month	Grab
Chrysene (*4)	34320	---	---	---	100 ug/L	1/month	Grab

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

Effluent Characteristic	Discharge Limitations					Monitoring Requirements (*2)	
		Other Units (lbs/day, UNLESS STATED)		(mg/L, UNLESS STATED)			
	STORET Code	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Dibenzo (a,h) Anthracene (*4)	34556	---	---	---	100 ug/L	1/month	Grab
Diethyl Phthalate (*4)	34336	---	---	---	100 ug/L	1/month	Grab
Dimethyl Phthalate (*4)	34341	---	---	---	100 ug/L	1/month	Grab
Di-N-Butyl Phthalate (*4)	39110	---	---	---	100 ug/L	1/month	Grab
Di-N-Octyl Phthalate (*4)	34596	---	---	---	100 ug/L	1/month	Grab
Fluoranthene (*4)	34376	---	---	---	100 ug/L	1/month	Grab
Fluorene (*4)	34381	---	---	---	100 ug/L	1/month	Grab
Hexachlorobenzene (*4)	39700	---	---	---	100 ug/L	1/month	Grab
Hexachlorobutadiene (*4)	34391	---	---	---	100 ug/L	1/month	Grab
Hexachlorocyclopentadiene (*4)	34386	---	---	---	100 ug/L	1/month	Grab
Hexachloroethane (*4)	34396	---	---	---	100 ug/L	1/month	Grab
Ideno (1,2,3-c,d) Pyrene (*4)	34403	---	---	---	100 ug/L	1/month	Grab
Isophorone (*4)	34408	---	---	---	100 ug/L	1/month	Grab
Naphthalene (*4)	34696	---	---	---	100 ug/L	1/month	Grab
Nitrobenzene (*4)	34447	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodimethylamine (*4)	34438	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodi-n-propylamine (*4)	34428	---	---	---	100 ug/L	1/month	Grab
N-Nitrosodiphenylamine (*4)	34433	---	---	---	100 ug/L	1/month	Grab
Phenanthrene (*4)	34461	---	---	---	100 ug/L	1/month	Grab
Pyrene (*4)	34469	---	---	---	100 ug/L	1/month	Grab
PESTICIDES/HERBICIDES							
Alpha-Endosulfan (*4)	34361	---	---	---	10 ug/L	1/month	Grab
Beta-Endosulfan (*4)	34356	---	---	---	10 ug/L	1/month	Grab
Endosulfan Sulfate (*4)	34351	---	---	---	10 ug/L	1/month	Grab
Aldrin (*4)	39330	---	---	---	10 ug/L	1/month	Grab
Alpha-BHC (*4)	39337	---	---	---	10 ug/L	1/month	Grab
Beta-BHC (*4)	39338	---	---	---	10 ug/L	1/month	Grab
Gamma-BHC (*4)	39340	---	---	---	10 ug/L	1/month	Grab
Delta-BHC (*4)	34259	---	---	---	10 ug/L	1/month	Grab
Dieldrin (*4)	39380	---	---	---	10 ug/L	1/month	Grab
4,4'-DDE (*4)	39320	---	---	---	10 ug/L	1/month	Grab
4,4'-DDD (*4)	39310	---	---	---	10 ug/L	1/month	Grab
4,4'-DDT (*4)	39300	---	---	---	10 ug/L	1/month	Grab
Heptachlor (*4)	39410	---	---	---	10 ug/L	1/month	Grab
Endrin Aldehydye (*4)	34366	---	---	---	10 ug/L	1/month	Grab
Heptachlor Epoxide (*4)	39420	---	---	---	10 ug/L	1/month	Grab
Chlordane (*4)	39350	---	---	---	10 ug/L	1/month	Grab
Toxaphene (*4)	39400	---	---	---	10 ug/L	1/month	Grab
PCB-1242 (*4)	39496	---	---	---	(*5)	1/month	Grab
PCB-1254 (*4)	39504	---	---	---	(*5)	1/month	Grab
PCB-1221 (*4)	39488	---	---	---	(*5)	1/month	Grab
PCB-1232 (*4)	39492	---	---	---	(*5)	1/month	Grab
PCB-1248 (*4)	39500	---	---	---	(*5)	1/month	Grab
PCB-1260 (*4)	39508	---	---	---	(*5)	1/month	Grab
PCB-1016 (*4)	34671	---	---	---	(*5)	1/month	Grab
2,3,7,8-TCDD (Dioxin) (*4)	34675	---	---	---	5ug/L	1/month	Grab
Endrin (*4)	39390	---	---	---	5ug/L	1/month	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):

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

Outfall 011, at the point of discharge from the stormwater collection pit in the Main Yard prior to combining with the other waters
Outfall 012, at the point of discharge from the stormwater collection pit in the eat/central part of the West Yard prior to combining with the other waters
Outfall 013, at the point of discharge from the stormwater collection pit in the southeast corner of the West Yard prior to combining with the other waters

FOOTNOTE(S):

(*1) See Part II, Paragraph K.

(*2) When discharging.

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

(*4) See Part II, Paragraph L.

(*5) There shall be no discharge of polychlorinated biphenyls (PCBs).

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 101 – the intermittent discharge of hydrostatic testing water
Outfall 102 – the intermittent discharge of hydrostatic testing water
Outfall 103 – the intermittent discharge of hydrostatic testing water
Outfall 104 – the intermittent discharge of hydrostatic testing water

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(*1)	Sample Type
Flow-MGD	50050	Report	Report	---	---	1/event	Estimate
TOC (*2)	00680	---	---	---	50	1/event	Grab
Oil & Grease	03582	---	---	---	15	1/event	Grab
Benzene (*2)	34030	---	---	--	50ug/L	1/event	Grab
Total BTEX (*2, *3)	30383	---	---	---	250 ug/L	1/event	Grab
Total Lead (*2)	01051	---	---	---	50 ug/L	1/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 101, at the point of discharge from the piping or vessel being tested prior to combining with the other waters
Outfall 102, at the point of discharge from the piping or vessel being tested prior to combining with the other waters
Outfall 103, at the point of discharge from the piping or vessel being tested prior to combining with the other waters
Outfall 104, at the point of discharge from the piping or vessel being tested prior to combining with the other waters

FOOTNOTE(S):

(*1) When discharging. Also, the monitoring frequency shall be once per event from EACH tank. Analysis results of discharges from multiple tanks may be reported on one DMR, although they should be monitored separately.

(*2) 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, and Oil and Grease are the only testing requirements for new pipe or vessels.

(*3) Total BTEX shall be measured as the sum of benzene, toluene, ethylbenzene, ortho-xylene, meta-xylene, and para-xylene, as quantified by EPA Methods 602, 624, 8020, or 8240.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont.)

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 201 – the discharge of treated sanitary wastewater
Outfall 301 – the discharge of treated sanitary wastewater
Outfall 202 – the discharge of treated sanitary wastewater
Outfall 303 – the discharge of treated sanitary wastewater
Outfall 403 – the discharge of treated sanitary wastewater
Outfall 503 – the discharge of treated sanitary wastewater

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	Weekly Average	Monthly Average	Weekly Average	Measurement Frequency	Sample Type
Flow-MGD	50050	---	Report	---	---	1/six months	Estimate
BOD_5	00310	---	---	---	45	1/six months	Grab
TSS	00530	---	---	---	45	1/six months	Grab
Fecal Coliform (*1) Colonies/100ml	74055	---	---	---	400	1/six months	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts, nor of free oil or other oil materials, nor of toxic materials in quantities such as to cause acute toxicity to aquatic organisms. Furthermore, there shall be no visible sheen or stains attributable to this discharge.

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

Outfall 201, at the point of discharge from unit #1 along rail track # 797 in the Fina Yard approximately 400 feet south of unit #1, prior to combining with other waters.
Outfall 301, at the point of discharge from unit #2 along rail track # 797 in the Fina Yard approximately 100 feet southeast of unit #2, prior to combining with any other waters
Outfall 202, at the point of discharge from unit #3 on the west side of the drainage along Distillery Lane, prior to combining with any other waters
Outfall 303, at the point of discharge from unit #4 along the road which runs parallel to the East Yard's foreman's office, prior to combining with any other waters
Outfall 403, at the point of discharge from unit #5 directly behind the Traffic Building approximately 100 feet southwest of unit #5, prior to combining with any other waters
Outfall 503, at the point of discharge from unit #6 directly behind the Traffic Building, approximately 200 feet west of unit #6, prior to combining with any other waters

FOOTNOTE(S):

(*1) See Part II Paragraph N.

PART II

OTHER REQUIREMENTS

In addition to the standard conditions required in all permits and listed in Part III, the Office has established the following additional requirements in accordance with the Louisiana Water Quality Regulations.

A. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations or additional restrictions, if necessary, to maintain the water quality integrity and the designated uses of the receiving water bodies.

B. This permit does not in any way authorize the permittee to discharge a pollutant not listed or quantified in the application or limited or monitored for in the permit.

C. Authorization to discharge pursuant to the conditions of this permit does not relieve the permittee of any liability for damages to state waters or private property. For discharges to private land, this permit does not relieve the permittee from obtaining proper approval from the landowner for appropriate easements and rights of way.

D. For definitions of monitoring and sampling terminology see Part III, Section F.

E. 24-HOUR ORAL REPORTING: DAILY MAXIMUM LIMITATION VIOLATIONS

Under the provisions of Part III.D.6.e.(3) of this permit, violations of daily maximum limitations for the following pollutants shall be reported orally to the Office of Environmental Compliance within 24 hours from the time the permittee became aware of the violation followed by a written report in five days.

Pollutant(s):

METALS, CYANIDE, TOTAL PHENOLS

Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Total Cyanide
Total Phenols

DIOXIN

2,3,7,8-TCDD

OTHER REQUIREMENTS (continued)

VOLATILE COMPOUNDS

Acrolein
Acrylonitrile
Benzene
Bromoform
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
2-Chloroethyl Vinyl Ether
Chloroform
Dichlorobromomethane
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethylene
1,2-Dichloropropane
1,3-Dichloropropylene
Ethylbenzene
Methyl Bromide
Methyl Chloride
Methylene Chloride
1,1,2,2-Tetra-Chloroethane
Tetrachloroethylene
Toluene
1-2-Trans-Dichloroethylene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichlorethylene
Vinyl Chloride

ACID COMPOUNDS

Phenol
2-Nitrophenol
4-Nitrophenol
2,4-Dinitrophenol
4,6-Dinitro-O-Cresol
P-Chloro-M-Cresol
Pentachlorophenol
2-Chlorophenol
2,4-Dichlorophenol
2,4,6-Trichlorophenol
2,4-Dimethylphenol

BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene
1,2-Diphenylhydrazine

OTHER REQUIREMENTS (continued)

1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Chloronaphthalene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
3,3-Dichlorobenzidine
3,4-Benzofluoranthene
4-Bromophenyl Phenyl Ether
4-Chlorophenyl Phenyl Ether
Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo (a) Anthracene
Benzo (a) Pyrene
Benzo, (g,h,i) Perylene
Benzo (k) Fluoranthene
Bis (2-Chloroethoxy) Methane
Bis (2-Chloroethyl) Ether
Bis (2-Chloroisopropyl) Ether
Bis (2-Ethylhexyl) Phthalate
Butyl Benzyl Phthalate
Chrysene
Dibenzo (a,h) Anthracene
Diethyl Phthalate
Dimethyl Phthalate
Di-N-Butyl Phthalate
Di-N-Octyl Phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Ideno (1,2,3-c,d) Pyrene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

PESTICIDES/HERBICIDES

Alpha-Endosulfan
Beta-Endosulfan

OTHER REQUIREMENTS (continued)

Endosulfan Sulfate
Aldrin
Alpha-BHC
Beta-BHC
Gamma-BHC
Delta-BHC
Dieldrin
4,4'-DDE
4,4'-DDD
4,4'-DDT
Heptachlor
Endrin Aldehydye
Heptachlor Epoxide
Chlordane
Toxaphene
PCB-1242
PCB-1254
PCB-1221
PCB-1232
PCB-1248
PCB-1260
PCB-1016
Endrin

F. 40 CFR PART 136 (See LAC 33:IX.4901) ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed at 40 CFR Part 136, and in particular, Appendices A, B, and C (See LAC 33:IX.4901).

G. FLOW MEASUREMENT "ESTIMATE" SAMPLE TYPE

If the flow measurement sample type in Part I is specified as "estimate", flow measurements shall not be subject to the accuracy provisions established at Part III.C.6 of this permit. The daily flow value may be estimated using best engineering judgement.

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

Effective date of the permit

I. MINIMUM QUANTIFICATION LEVEL (MQL)

If any individual analytical test result is less than the minimum quantification level listed below, a value of zero (0) may be used for that individual result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

NONCONVENTIONAL	MQL (µg/L)

OTHER REQUIREMENTS (continued)

Phenolics, Total Recoverable (4AAP)	5

METALS AND CYANIDE	MQL (µg/L)
Antimony (Total)	60
Arsenic (Total)	10
Beryllium (Total)	5
Cadmium (Total)	1
Chromium (Total)	10
Chromium (3+)	10
Chromium (6+)	10
Copper (Total)	10
Lead (Total)	5
Mercury (Total)	0.2
Molybdenum (Total)	30
Nickel (Total) Freshwater	40
Nickel (Total) Marine	5
Selenium (Total)	5
Silver (Total)	2
Thallium (Total)	10
Zinc (Total)	20
Cyanide (Total)	20

DIOXIN	MQL (µg/L)
2,3,7,8-TCDD	0.00001

VOLATILE COMPOUNDS	MQL (µg/L)
Acrolein	50
Acrylonitrile	50
Benzene	10
Bromoform	10
Carbon Tetrachloride	10
Chlorobenzene	10
Chlorodibromomethane	10
Chloroethane	50
2-Chloroethylvinylether	10
Chloroform	10
Dichlorobromomethane	10
1,1-Dichloroethane	10
1,2-Dichloroethane	10
1,1-Dichloroethylene	10
1,2-Dichloropropane	10
1,3-Dichloropropylene	10
Ethylbenzene	10
Methyl Bromide [Bromomethane]	50
Methyl Chloride [Chloromethane]	50
Methylene Chloride	20

OTHER REQUIREMENTS (continued)

1,1,2,2-Tetrachloroethane	10
Tetrachloroethylene	10
Toluene	10
1,2-trans-Dichloroethylene	10
1,1,1-Trichloroethane	10
1,1,2-Trichloroethane	10
Trichloroethylene	10
Vinyl Chloride	10

ACID COMPOUNDS	MQL (µg/L)
2-Chlorophenol	10
2,4-Dichlorophenol	10
2,4-Dimethylphenol	10
4,6-Dinitro-o-Cresol [2-Methyl-4,6-Dinitrophenol]	50
2,4-Dinitrophenol	50
2-Nitrophenol	20
4-Nitrophenol	50
p-Chloro-m-Cresol [4-Chloro-3-Methylphenol]	10
Pentachlorophenol	50
Phenol	10
2,4,6-Trichlorophenol	10

BASE/NEUTRAL COMPOUNDS	MQL (µg/L)
Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Benzidine	50
Benzo(a)anthracene	10
Benzo(a)pyrene	10
3,4-Benzofluoranthene	10
Benzo(ghi)perylene	20
Benzo(k)fluoranthene	10
Bis(2-chloroethoxy) Methane	10
Bis(2-chloroethyl) Ether	10
Bis(2-chloroisopropyl) Ether	10
Bis(2-ethylhexyl) Phthalate	10
4-Bromophenyl Phenyl Ether	10
Butylbenzyl Phthalate	10
2-Chloronapthalene	10
4-Chlorophenyl Phenyl Ether	10
Chrysene	10
Dibenzo(a,h)anthracene	20
1,2-Dichlorobenzene	10
1,3-Dichlorobenzene	10
1,4-Dichlorobenzene	10
3,3'-Dichlorobenzidine	50
Diethyl Phthalate	10

OTHER REQUIREMENTS (continued)

Dimethyl Phthalate	10
Di-n-Butyl Phthalate	10
2,4-Dinitrotoluene	10
2,6-Dinitrotoluene	10
Di-n-octyl Phthalate	10
1,2-Diphenylhydrazine	20
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene	10
Hexachloroethane	20
Indeno(1,2,3-cd)pyrene [2,3-o-Phenylene Pyrene]	20
Isophorone	10
Naphthalene	10
Nitrobenzene	10
n-Nitrosodimethylamine	50
n-Nitrosodi-n-Propylamine	20
n-Nitrosodiphenylamine	20
Phenanthrene	10
Pyrene	10
1,2,4-Trichlorobenzene	10

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

OTHER REQUIREMENTS (continued)

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.

J. PERMIT REOPENER CLAUSE

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 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.

K. Bulk Chemicals allowed to be stored at the facility are as follows: See Appendix A

No bulk chemicals other than those listed in Appendix A shall be handled at the facility without prior written notification to the Office of Environmental Services Permits Division. The permittee must submit written notification fully describing (1) the additional product(s) to be handled and stored, including the trade name(s), applicable chemical name(s), chemical abstract system (CAS) number(s), and the material safety data sheet(s) for each additional product; (2)

OTHER REQUIREMENTS (continued)

the anticipated maximum volumes of each additional product to be handled and stored; and (3) the anticipated time frame during which the additional products(s) are to be handled and stored. A permit modification may be necessary to include appropriate parameters for additional bulk chemicals.

L. The following specified parameters must be monitored once during each month in which the outfall could potentially be affected by the handling and/or storing commodities containing one or more of the specified chemicals, and once a month for two months thereafter (i.e., if a commodity containing one or more of the specified chemicals is handled and/or stored within the tank farm, monitor for the specified parameter at the outfall for the respective tank farm once during each month in which the specified chemical is handled and/or stored within that tank farm and continue to monitor once per month for two months after the commodity is no longer handled and/or stored within that tank farm). If the effluent limitation is exceeded during either of these two additional monitoring periods, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for this parameter shall cease.

Monitoring shall be conducted as follows:

Commodity Handled and/or Stored	Parameter(s) To Be Monitored
Any commodity that contains liquid or gaseous hydrocarbons	Total BTEX, Benzene, Lead

Commodity Handled and/or Stored	Parameter(s) To Be Monitored
Any commodity that contains any phenolic compound	Total Phenols

Commodity Handled and/or Stored	Parameter(s) To Be Monitored
Any commodity handled and/or stored that contains one or more of the following chemicals, the respective chemical(s) shall be monitored	
METALS AND CYANIDE	
Antimony	Antimony
Arsenic	Arsenic
Beryllium	Beryllium
Cadmium	Cadmium
Chromium	Chromium
Copper	Copper

OTHER REQUIREMENTS (continued)

Lead	Lead
Mercury	Mercury
Nickel	Nickel
Selenium	Selenium
Silver	Silver
Thallium	Thallium
Zinc	Zinc
Cyanide	Cyanide

VOLATILE COMPOUNDS

Acrolein	Acrolein
Acrylonitrile	Acrylonitrile
Benzene	Benzene
Bromoform	Bromoform
Carbon Tetrachloride	Carbon Tetrachloride
Chlorobenzene	Chlorobenzene
Chlorodibromomethane	Chlorodibromomethane
Chloroethane	Chloroethane
2-Chloroethyl Vinyl Ether	2-Chloroethyl vinyl ether
Chloroform	Chloroform
Dichlorobromomethane	Dichlorobromomethane
1,1-Dichloroethane	1,1-Dichloroethane
1,2-Dichloroethane	1,2-Dichloroethane
1,1-Dichloroethylene	1,1-Dichloroethylene
1,2-Dichloropropane	1,2-Dichloropropane
1,3-Dichloropropylene	1,3-Dichloropropylene
Ethylebenzene	Ethylebenzene
Methyl Bromide	Methyl Bromide
Methyl Chloride	Methyl Chloride
Methylene Chloride	Methylene Chloride
1,1,2,2-Tetra-Chloroethane	1,1,2,2-Tetra-Chloroethane
Tetrachloroethylene	Tetrachloroethylene
Toluene	Toluene
1-2-Trans-Dichloroethylene	1-2-Trans-Dichloroethylene
1,1,1-Trichloroethane	1,1,1-Trichloroethane
1,1,2-Trichloroethane	1,1,2-Trichloroethane
Trichlorethylene	Trichlorethylene
Vinyl Chloride	Vinyl Chloride

OTHER REQUIREMENTS (continued)

ACID COMPOUNDS

Phenol	Phenol
2-Nitrophenol	2-Nitrophenol
4-Nitrophenol	4-Nitrophenol
2,4-Dinitrophenol	2,4-Dinitrophenol
4,6-Dinitro-o-Cresol	4,6-Dinitro-o-Cresol
P-Chloro-M-Cresol	P-Chloro-M-Cresol
Pentachlorophenol	Pentachlorophenol
2-Chlorophenol	2-Chlorophenol
2,4-Dichlorophenol	2,4-Dichlorophenol
2,4,6-Trichlorophenol	2,4,6-Trichlorophenol
2,4-Dimethylphenol	2,4-Dimethylphenol

BASE/NEUTRAL COMPOUNDS

1,2-Dichlorobenzene	1,2-Dichlorobenzene
1,2-Diphenylhydrazine	1,2-Diphenylhydrazine
1,2,4-Trichlorobenzene	1,2,4-Trichlorobenzene
1,3-Dichlorobenzene	1,3-Dichlorobenzene
1,4-Dichlorobenzene	1,4-Dichlorobenzene
2-Chloronaphthalene	2-Chloronaphthalene
2,4-Dinitrotoluene	2,4-Dinitrotoluene
2,6-Dinitrotoluene	2,6-Dinitrotoluene
3,3-Dichlorobenzidine	3,3-Dichlorobenzidine
3,4-Benzofluoranthene	3,4-Benzofluoranthene
4-Bromophenyl Phenyl Ether	4-Bromophenyl Phenyl Ether
4-Chlorophenyl Phenyl Ether	4-Chlorophenyl Phenyl Ether
Acenaphthene	Acenaphthene
Acenaphthylene	Acenaphthylene
Anthracene	Anthracene
Benzidine	Benzidine
Benzo (a) Anthracene	Benzo (a) Anthracene
Benzo (a) Pyrene	Benzo (a) Pyrene
Benzo, (g,h,i) Perylene	Benzo, (g,h,i) Perylene
Benzo (k) Fluoranthene	Benzo (k) Fluoranthene
Bis (2-Chloroethoxy) Methane	Bis (2-Chloroethoxy) Methane
Bis (2-Chloroethyl) Ether	Bis (2-Chloroethyl) Ether
Bis (2-Chloroisopropyl) Ether	Bis (2-Chloroisopropyl) Ether
Bis (2-Ethylhexyl) Phthalate	Bis (2-Ethylhexyl) Phthalate
Butyl Benzyl Phthalate	Butyl Benzyl Phthalate
Chrysene	Chrysene

OTHER REQUIREMENTS (continued)

Dibenzo (a,h) Anthracene	Dibenzo (a,h) Anthracene
Diethyl Phthalate	Diethyl Phthalate
Dimethyl Phthalate	Dimethyl Phthalate
Di-N-Butyl Phthalate	Di-N-Butyl Phthalate
Di-N-Octyl Phthalate	Di-N-Octyl Phthalate
Fluoranthene	Fluoranthene
Fluorene	Fluorene
Hexachlorobenzene	Hexachlorobenzene
Hexachlorobutadiene	Hexachlorobutadiene
Hexachlorocyclopentadiene	Hexachlorocyclopentadiene
Hexachloroethane	Hexachloroethane
Ideno (1,2,3-c,d) Pyrene	Ideno (1,2,3-c,d) Pyrene
Isophorone	Isophorone
Naphthalene	Naphthalene
Nitrobenzene	Nitrobenzene
N-Nitrosodimethylamine	N-Nitrosodimethylamine
N-Nitrosodi-n-propylamine	N-Nitrosodi-n-propylamine
N-Nitrosodiphenylamine	N-Nitrosodiphenylamine
Phenanthrene	Phenanthrene
Pyrene	Pyrene

PESTICIDES/HERBICIDES

Alpha-Endosulfan	Alpha-Endosulfan
Beta-Endosulfan	Beta-Endosulfan
Endosulfan Sulfate	Endosulfan Sulfate
Aldrin	Aldrin
Alpha-BHC	Alpha-BHC
Beta-BHC	Beta-BHC
Gamma-BHC	Gamma-BHC
Delta-BHC	Delta-BHC
Dieldrin	Dieldrin
4,4'-DDE	4,4'-DDE
4,4'-DDD	4,4'-DDD
4,4'-DDT	4,4'-DDT
Heptachlor	Heptachlor
Endrin Aldehydye	Endrin Aldehydye
Heptachlor Epoxide	Heptachlor Epoxide
Chlordane	Chlordane
Toxaphene	Toxaphene
PCB-1242	PCB-1242

OTHER REQUIREMENTS (continued)

PCB-1254	PCB-1254
PCB-1221	PCB-1221
PCB-1232	PCB-1232
PCB-1248	PCB-1248
PCB-1260	PCB-1260
PCB-1016	PCB-1016
2,3,7,8-TCDD (Dioxin)	2,3,7,8-TCDD (Dioxin)
Endrin	Endrin

A list of commodities handled and/or stored shall be submitted with the Discharge Monitoring Report (DMR) either in the COMMENTS section or as an attachment. According to Paragraph P of Part II, DMRs shall be submitted to LDEQ quarterly. For monthly monitoring, one DMR for each month shall be included. Therefore, each set of DMRs submitted should indicate the commodities stored and/or handled since the last time monitoring occurred.

M. PROHIBITION OF PCB DISCHARGES

There shall be no discharge of polychlorinated biphenyls (PCBs). The minimum quantification level for PCBs is 1.0 ug/L. If any individual analytical test result for PCBs is less than the minimum quantification level, then a value of zero (0) shall be used for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

N. SANITARY DISCHARGE

Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limitation may be required. In many cases this becomes a NO MEASURABLE Total Residual Chlorine Limitation. If such a limitation were imposed the permittee would be required to provide for dechlorination of the effluent prior to discharge. Please be aware, concentrations of Total Residual Chlorine above 0.01 mg/L can cause or contribute to significant toxicity in receiving streams and biomonitoring testing. It is the permittee's responsibility to assure that no Total Residual Chlorine remains in the effluent after dechlorination in order to prevent toxicity in the receiving stream.

O. 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

OTHER REQUIREMENTS (continued)

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 of the effective date of 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.

   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.

OTHER REQUIREMENTS (continued)

"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:

i. maintaining adequate roads and driveway surfaces;
ii. removing debris and accumulated solids from the drainage system; and
iii. 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.

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

OTHER REQUIREMENTS (continued)

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

P. 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, enter "No Discharge" in the upper right corner of the Discharge Monitoring Report.

Monitoring results for each month shall be summarized on a Discharge Monitoring Report (DMR) Form (one DMR form per monitoring period per outfall) and submitted to the Office of Environmental Compliance either hand delivered or postmarked no later than the 28th day of the month following the reporting period.

OTHER REQUIREMENTS (continued)

1. For parameters that require a monitoring frequency of quarterly or more frequent (ex: monthly, weekly, biweekly, bimonthly), DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date
January, February, March	April 28th
April, May, June	July 28th
July, August, September	October 28th
October, November, December	January 28th

2. For parameters that require a semiannual monitoring frequency, DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date
January 1 – June 30	July 28th
July 1 - December 31	January 28th

3. For parameters that require an annual monitoring frequency, DMRs shall be submitted in accordance with the following schedule:

Monitoring Period	DMR Postmark Date
January 1 – December 31	January 28th

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 any violations of the conditions of the permit as well as all other reports (one set of originals) required by this permit shall be submitted to the Permit Compliance Unit at the following address:

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

PART III
STANDARD CONDITIONS FOR LPDES PERMITS

SECTION A. GENERAL CONDITIONS

1. Introduction
   In accordance with the provisions of LAC 33:IX.2701, et seq., this permit incorporates either expressly or by reference ALL conditions and requirements applicable to Louisiana Pollutant Discharge Elimination System Permits (LPDES) set forth in the Louisiana Environmental Quality Act (LEQA), as amended, as well as ALL applicable regulations.

2. Duty to Comply
   The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and the Louisiana Environmental Quality Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

3. Penalties for Violation of Permit Conditions
   a. LA. R. S. 30:2025 provides for civil penalties for violations of these regulations and the Louisiana Environmental Quality Act. LA. R. S. 30:2076.2 provides for criminal penalties for violation of any provisions of the LPDES or any order or any permit condition or limitation issued under or implementing any provisions of the LPDES program. (See Section E. Penalties for Violation of Permit Conditions for additional details).

   b. Any person may be assessed an administrative penalty by the State Administrative Authority under LA. R. S. 30:2025 for violating a permit condition or limitation implementing any of the requirements of the LPDES program in a permit issued under the regulations or the Louisiana Environmental Quality Act.

4. Toxic Pollutants
   a. Other effluent limitations and standards under Sections 301, 302, 303, 307, 318, and 405 of the Clean Water Act. If any applicable toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Section 307(a) of the Clean Water Act for a toxic pollutant and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, the state administrative authority shall institute proceedings under these regulations to modify or revoke and reissue the permit to conform to the toxic effluent standard or prohibition.

   b. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions, or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.

5. Duty to Reapply
   a. Individual Permits. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The new application shall be submitted at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the state administrative authority. (The state administrative authority shall not grant permission for applications to be submitted later than the expiration date of the existing permit.) Continuation of expiring permits shall be governed by regulations promulgated at LAC 33:IX.2321 and any subsequent amendments.

b. General Permits. General permits expire five years after the effective date. The 180-day reapplication period as defined above is not applicable to general permit authorizations. Reissued general permits may provide automatic coverage for permittees authorized under the previous version of the permit, and no new application is required. Requirements for obtaining authorization under the reissued general permit will be outlined in Part I of the new permit. Permittees authorized to discharge under an expiring general permit should follow the requirements for obtaining coverage under the new general permit to maintain discharge authorization.

6. Permit Action
This permit may be modified, revoked and reissued, or terminated for cause in accordance with LAC 33:IX.2903, 2905, 2907, 3105 and 6509. The causes may include, but are not limited to, the following:

a. Noncompliance by the permittee with any condition of the permit;

b. The permittee's failure in the application or during the permit issuance process to disclose fully all relevant f acts, or the permittee's misrepresentation of any relevant facts at any time;

c. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;

d. A change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge; or

e. Failure to pay applicable fees under the provisions of LAC 33: IX. Chapter 13;

f. Change of ownership or operational control;

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property Rights
This permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information
The permittee shall furnish to the state administrative authority, within a reasonable time, any information which the state 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 state administrative authority, upon request, copies of records required to be kept by this permit.

9. Criminal and Civil Liability
Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Any false or materially misleading representation or concealment of information required to be reported by the provisions of the permit, the Act, or applicable regulations, which avoids or effectively defeats the regulatory purpose of the Permit may subject the Permittee to criminal enforcement pursuant to La. R.S. 30:2025.

10. Oil and Hazardous Substance Liability
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

11. State Laws
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

12. Severability
If any provision of these rules and regulations, or the application thereof, is held to be invalid, the remaining provisions of these rules and regulations shall not be affected, so long as they can be given effect without the invalid provision. To this end, the provisions of these rules and regulations are declared to be severable.

13. Dilution
A permittee shall not achieve any effluent concentration by dilution unless specifically authorized in the permit. A permittee shall not increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve permit limitations or water quality.

SECTION B. PROPER OPERATION AND MAINTENANCE

1. Need to Halt or Reduce not a Defense
It shall not be a defense for a 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.

2. Duty to Mitigate
The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. The permittee shall also take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with the permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

3. Proper Operation and Maintenance

   a. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

   b. The permittee shall provide an adequate operating staff which is duly qualified to carry out operation, maintenance and other functions necessary to ensure compliance with the conditions of this permit.

4. Bypass of Treatment Facilities

   a. ***Bypass***. The intentional diversion of waste streams from any portion of a treatment facility.

   b. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Section B.4.c. and 4.d of these standard conditions.

   c. Notice

      (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Office of Environmental Services, Water Permits Division, if possible at least ten days before the date of the bypass.

      (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in LAC 33:IX.2701.L.6, (24-hour notice) and Section D.6.e. of these standard conditions.

d. Prohibition of bypass

(1) Bypass is prohibited, and the state administrative authority may take enforcement action against a permittee for bypass, unless:

(a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and,

(c) The permittee submitted notices as required by Section B.4.c of these standard conditions.

(2) The state administrative authority may approve an anticipated bypass after considering its adverse effects, if the state administrative authority determines that it will meet the three conditions listed in Section B.4.d(1) of these standard conditions.

5. Upset Conditions

a. Upset. An exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of Section B.5.c. are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated; and

(3) The permittee submitted notice of the upset as required by LAC 33:IX.2701.L.6.b.ii. and Section D.6.e.(2) of these standard conditions; and

(4) The permittee complied with any remedial measures required by Section B.2 of these standard conditions.

d. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

6. Removed Substances
Solids, sewage sludges, filter backwash, or other pollutants removed in the course of treatment or wastewater control shall be properly disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the state and in accordance with environmental regulations.

7. Percent Removal
For publicly owned treatment works, the 30-day average percent removal for Biochemical Oxygen Demand and Total Suspended Solids shall not be less than 85 percent in accordance with LAC 33:IX.5905.A.3. and B.3.

SECTION C. MONITORING AND RECORDS

1. Inspection and Entry
The permittee shall allow the state administrative authority or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon the presentation of credentials and other documents as may be required by the law to:

a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.

Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept for inspection or sampling purposes. Most inspections will be unannounced and should be allowed to begin immediately, but in no case shall begin more than thirty (30) minutes after the time the inspector presents his/her credentials and announces the purpose(s) of the inspection. Delay in excess of thirty (30) minutes shall constitute a violation of this permit. However, additional time can be granted if the inspector or the Administrative Authority determines that the circumstances warrant such action; and

b. Have access to and copy, at reasonable times, any records that the department or its authorized representative determines are necessary for the enforcement of this permit. For records maintained in either a central or private office that is open only during normal office hours and is closed at the time of inspection, the records shall be made available as soon as the office is open, but in no case later than the close of business the next working day;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Louisiana Environmental Quality Act, any substances or parameters at any location.

e. Sample Collection

(1) When the inspector announces that samples will be collected, the permittee will be given an additional thirty (30) minutes to prepare containers in order to collect duplicates. If the permittee cannot obtain and prepare sample containers within this time, he is considered to have waived his right to collect duplicate samples and the sampling will proceed immediately. Further delay on the part of the permittee in allowing initiation of the sampling will constitute a violation of this permit.

(2) At the discretion of the administrative authority, sample collection shall proceed immediately (without the additional 30 minutes described in Section C.1.a. above) and the inspector shall supply the permittee with a duplicate sample.

f. It shall be the responsibility of the permittee to ensure that a facility representative familiar with provisions of its wastewater discharge permit, including any other conditions or limitations, be available either by phone or in person at the facility during all hours of operation. The absence of such personnel on-site who are familiar with the permit shall not be grounds for delaying the initiation of an inspection except in situations as described in Section C.1.b. of these standard conditions. The permittee shall be responsible for providing witnesses/escorts during inspections. Inspectors shall abide by all company safety rules and shall be equipped with standard safety equipment (hard hat, safety shoes, safety glasses) normally required by industrial facilities.

g. Upon written request copies of field notes, drawings, etc., taken by department personnel during an inspection shall be provided to the permittee after the final inspection report has been completed.

2. Representative Sampling
Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples shall be taken at the outfall location(s) indicated in the permit. The state administrative authority shall be notified prior to any changes in the outfall location(s). Any changes in the outfall location(s) may be subject to modification, revocation and reissuance in accordance with LAC 33:IX.2903.

3. Retention of Records
Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the state administrative authority at any time.

4. Record Contents
Records of monitoring information shall include:

a. The date, exact place, and time of sampling or measurements;
b. The individual(s) who performed the sampling or measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were begun;
e. The individual(s) who performed the analyses;
f. The analytical techniques or methods used;
g. The results of such analyses; and
h. The results of all quality control procedures.

5. Monitoring Procedures

a. Monitoring results must be conducted according to test procedures approved under 40 CFR Part 136 (See LAC 33:IX.4901) or, in the case of sludge use or disposal, approved under 40 CFR part 136 (See LAC 33:IX.4901) unless otherwise specified in 40 CFR part 503, unless other test procedures have been specified in this permit. This includes procedures contained in the latest EPA approved edition of the following publications:

(1) "Standard Methods for the Examination of Water and Waste Water". This publication is available from the American Public Health Association, Publication Sales, P. O. Box 753, Waldorf, MD 20604-0573, Phone number (301) 893-1894, Fax number (301) 843-0159.

(2) "Annual Book of Standards, Vols 1101-1103, Water I, Water II, and Atmospheric Analysis". This publication is available from the American Society for Testing Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Phone number (610) 832-9500.

(3) "Methods for Chemical Analysis of Water and Wastes, Revised, March 1983," U.S. Environmental Protection Agency, Analytical Quality Control Laboratory, Cincinnati, Ohio. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-84-128677.

b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.

c. An adequate analytical quality control program, including the analyses of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory. General sampling protocol shall follow guidelines established in the "Handbook for Sampling and Sample Preservation of Water and Wastewater, 1982" U.S. Environmental Protection Agency. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-83-124503. General laboratory procedures including glassware cleaning, etc. can be found in the "Handbook for Analytical Quality Control in Water and Wastewater Laboratories, 1979," U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory. This publication is available from the Environmental Protection Agency, Phone number (513) 569-7562. Order by EPA publication number EPA-600/4-79-019.

6. Flow Measurements
Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 10% from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

a. "A Guide to Methods and Standards for the Measurement of Water Flow, 1975," U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number COM-75-10683.

b. "Flow Measurement in Open Channels and Closed Conduits, Volumes 1 and 2," U.S. Department of Commerce, National Bureau of Standards. This publication is available from the National Technical Service (NTIS), Springfield, VA, 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-273 535.

c. "NPDES Compliance Flow Measurement Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. This publication is available from the National Technical Information Service (NTIS), Springfield, VA 22161, Phone number (800) 553-6847. Order by NTIS publication number PB-82-131178.

7. Prohibition for Tampering: Penalties
a. LA R.S. 30:2025 provides for punishment of any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit.

b. LA R.S. 30:2076.2 provides for penalties for any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non compliance.

8. Additional Monitoring by the Permittee
If the Permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 (See LAC 33:IX.4901) or, in the case of sludge use and disposal, approved under 40 CFR Part 136 (See LAC 33:IX.4901) unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the state administrative authority.

9. Averaging of Measurements
Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the state administrative authority in the permit.

10. Laboratory Accreditation

a. LAC 33:I.Subpart 3, Chapters 45-59 provide requirements for an accreditation program specifically applicable to commercial laboratories, wherever located, that provide chemical analyses, analytical results, or other test data to the department, by contract or by agreement, and the data is:

(1) Submitted on behalf of any facility, as defined in R.S.30:2004;
(2) Required as part of any permit application;
(3) Required by order of the department;
(4) Required to be included on any monitoring reports submitted to the department;
(5) Required to be submitted by contractor
(6) Otherwise required by department regulations.

b. The department laboratory accreditation program is designed to ensure the accuracy, precision, and reliability of the data generated, as well as the use of department-approved methodologies in generation of that data. Laboratory data generated by commercial environmental laboratories that are not accredited under these regulations will not be accepted by the department. Retesting of analysis will be required by an accredited commercial laboratory.

Where retesting of effluent is not possible (i.e. data reported on DMRs for prior month's sampling), the data generated will be considered invalid and in violation of the LPDES permit.

c. Regulations on the Environmental Laboratory Accreditation Program and a list of labs that have applied for accreditation are available on the department website located at:

http://www.deq.state.la.us/laboratory/index.htm.

Questions concerning the program may be directed to (225) 765-0582.

SECTION D. REPORTING REQUIREMENTS

1. Facility Changes
The permittee shall give notice to the state administrative authority as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under LAC 33:IX.2703.A.1.

c. For Municipal Permits. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Section 301, or 306 of the CWA if it were directly discharging those pollutants; and any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

2. Anticipated Noncompliance
The permittee shall give advance notice to the state administrative authority of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

3. Transfers
This permit is not transferable to any person except after notice to the state administrative authority. The state administrative authority may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act or the Louisiana Environmental Quality Act. (See LAC 33:IX.2901; in some cases, modification or revocation and reissuance is mandatory.)

A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under LAC 33:IX.2903. A.2.b), or a minor modification made (under LAC 33:IX.2905) to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act and the Louisiana Environmental Quality Act.

4. Monitoring Reports
Monitoring results shall be reported at the intervals and in the form specified in Part I or Part II of this permit.

The permittee shall submit properly completed Discharge Monitoring Reports (DMRs) on the form specified in the permit. Preprinted DMRs are provided to majors/92-500's and other designated facilities. Please contact the Permit Compliance Unit concerning preprints. Self-generated DMRs must be pre-approved by the Permit Compliance Unit prior to submittal. Self-generated DMRs are approved on an individual basis. Requests for approval of self-generated DMRs should be submitted to:

Supervisor, Permit Compliance Unit
Office of Environmental Compliance
Post Office Box 4312
Baton Rouge, LA 70821-4312

Copies of blank DMR templates, plus instructions for completing them, and EPA's LPDES Reporting Handbook are available at the department website located at:

http://www.deq.louisiana.gov/portal/Default.aspx?tabid=2276

5. 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 14 days following each schedule date.

6. Requirements for Notification

a. Emergency Notification
As required by LAC 33.I.3915, in the event of an unauthorized discharge that does cause an emergency condition, the discharger shall notify the hotline (DPS 24-hour Louisiana Emergency Hazardous Materials Hotline) by telephone at (225) 925-6595 (collect calls accepted 24 hours a day) immediately (a reasonable period of time after taking prompt measures to determine the nature, quantity, and potential off-site impact of a release, considering the exigency of the circumstances), but in no case later than one hour after learning of the discharge. (An emergency condition is any condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water, or air environment, or cause severe damage to property.) Notification required by this section will be made regardless of the amount of discharge. Prompt Notification Procedures are listed in Section D.6.c. of these standard conditions.

A written report shall be provided within seven calendar days after the notification. The report shall contain the information listed in Section D.6.d. of these standard conditions and any additional information in LAC 33:I.3925.B.

b. Prompt Notification
As required by LAC 33:I.3917, in the event of an unauthorized discharge that exceeds a reportable quantity specified in LAC 33:I.Subchapter E, but does not cause an emergency condition, the discharger shall promptly notify the department within 24 hours after learning of the discharge. Notification should be made to the Office of Environmental Compliance, Surveillance Division Single Point of Contact (SPOC) in accordance with LAC 33:I.3923.

In accordance with LAC 33:I.3923, prompt notification shall be provided within a time frame not to exceed 24 hours and shall be given to the Office of Environmental Compliance, Surveillance Division Single Point of Contact (SPOC) as follows:

(1) by the Online Incident Reporting screens found at http://www3.deq.louisiana.gov/surveillance/irf/forms/ ;or
(2) by e-mail utilizing the Incident Report Form and instructions found at http://www.deq.louisiana.gov/portal/Default.aspx?tabid=279;or
(3) by telephone at (225) 219-3640 during office hours, or (225) 342-1234 after hours and on weekends and holidays.

c. Content of Prompt Notifications. The following guidelines will be utilized as appropriate, based on the conditions and circumstances surrounding any unauthorized discharge, to provide relevant information regarding the nature of the discharge:

(1) the name of the person making the notification and the telephone number where any return calls from response agencies can be placed;

(2) the name and location of the facility or site where the unauthorized discharge is imminent or has occurred, using common landmarks. In the event of an incident involving transport, include the name and address of the transporter and generator;

(3) the date and time the incident began and ended, or the estimated time of continuation if the discharge is continuing;

(4) the extent of any injuries and identification of any known personnel hazards that response agencies may face;

(5) the common or scientific chemical name, the U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all discharged pollutants;

(6) a brief description of the incident sufficient to allow response agencies to formulate their level and extent of response activity.

d. Written Notification Procedures. Written reports for any unauthorized discharge that requires notification under Section D.6.a. or 6.b., or shall be submitted by the discharger to the Office of Environmental Compliance, Surveillance Division SPOC in accordance with LAC 33:IX.3925 within seven calendar days after the notification required by D.6.a. or 6.b., unless otherwise provided for in a valid permit or other department regulation. Written notification reports shall include, but not be limited to, the following information:

(1) the name, address, telephone number, Agency Interest (AI) number (number assigned by the department) if applicable, and any other applicable identification numbers of the person, company, or other party who is filing the written report, and specific identification that the report is the written follow-up report required by this section;

(2) the time and date of prompt notification, the state official contacted when reporting, the name of person making that notification, and identification of the site or facility, vessel, transport vehicle, or storage area from which the unauthorized discharge occurred;

(3) date(s), time(s), and duration of the unauthorized discharge and, if not corrected, the anticipated time it is expected to continue;

(4) details of the circumstances (unauthorized discharge description and root cause) and events leading to any unauthorized discharge, including incidents of loss of sources of radiation, and if the release point is subject to a permit:

(a) the current permitted limit for the pollutant(s) released;and
(b) the permitted release point/outfall ID.

(5) the common or scientific chemical name of each specific pollutant that was released as the result of an unauthorized discharge, including the CAS number and U.S. Department of Transportation hazard classification, and the best estimate of amounts of any and all released pollutants (total amount of each compound expressed in pounds, including calculations);

(6) a statement of the actual or probable fate or disposition of the pollutant or source of radiation and what off-site impact resulted;

(7) remedial actions taken, or to be taken, to stop unauthorized discharges or to recover pollutants or sources of radiation.

(8) Written notification reports shall be submitted to the Office of Environmental Compliance, Surveillance Division SPOC by mail or fax. The transmittal envelope and report or fax cover page and report should be clearly marked "**UNAUTHORIZED DISCHARGE NOTIFICATION REPORT**."

Please see LAC 33:I.3925.B for additional written notification procedures.

e. Twenty-four Hour Reporting. The permittee shall report any noncompliance which may endanger human health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and; steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The following shall be included as information which must be reported within 24hours:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit (see LAC 33:IX.2701.M.3.b.);

(2) Any upset which exceeds any effluent limitation in the permit;

(3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the state administrative authority in Part II of the permit to be reported within 24 hours (LAC 33:IX.2707.G.).

7. Other Noncompliance
The permittee shall report all instances of noncompliance not reported under Section D.4., 5., and 6., at the time monitoring reports are submitted. The reports shall contain the information listed in Section D.6.e.

8. Other Information
Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the state administrative authority, it shall promptly submit such facts or information.

9. Discharges of Toxic Substances
In addition to the reporting requirements under Section D.1-8, all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Office of Environmental Services, Water Permits Division as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant:

i. listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

(1) One hundred micrograms per liter (100 µg/L);
(2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4 -dinitro-phenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC33:IX.2501.G.7; or
(4) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or

ii. which exceeds the reportable quantity levels for pollutants at LAC 33:I. Subchapter E.

b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant:

i. listed at LAC 33:IX.7107, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

(1) Five hundred micrograms per liter (500 µg/L);
(2) One milligram per liter (1 mg/L) for antimony;
(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with LAC 33:IX.2501.G.7; or
(4) The level established by the state administrative authority in accordance with LAC 33:IX.2707.F; or

ii. which exceeds the reportable quantity levels for pollutants at LAC 33:I. Subchapter E.

10. Signatory Requirements
All applications, reports, or information submitted to the state administrative authority shall be signed and certified.

a. All permit applications shall be signed as follows:

(1) For a corporation - by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(a) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or,

(b) The manager of one or more manufacturing, production, or operating facilities, provided: the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and

accurate information for permit application requirements; and the authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

NOTE: DEQ does not require specific assignments or delegations of authority to responsible corporate officers identified in Section D.10.a.(1)(a). The agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the state administrative authority to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under Section D.10.a.(1)(b) rather than to specific individuals.

(2) For a partnership or sole proprietorship - by a general partner or the proprietor, respectively; or
(3) For a municipality, state, federal, or other public agency - by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes:
   (a) The chief executive officer of the agency, or
   (b) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

b. All reports required by permits and other information requested by the state administrative authority shall be signed by a person described in Section D.10.a., or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in Section D.10.a. of these standard conditions;
(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company, (a duly authorized representative may thus be either a named individual or an individual occupying a named position; and,
(3) The written authorization is submitted to the state administrative authority.

c. Changes to authorization. If an authorization under Section D.10.b. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Section D.10.b. must be submitted to the state administrative authority prior to or together with any reports, information, or applications to be signed by an authorized representative.

d. Certification. Any person signing a document under Section D.10. a. or b. above, shall make the following 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."

11. Availability of Reports
All recorded information (completed permit application forms, fact sheets, draft permits, or any public document) not classified as confidential information under R.S. 30:2030(A) and 30:2074(D) and designated as such in accordance with these regulations (LAC 33:IX.2323 and LAC 33:IX.6503) shall be made available to the public for inspection and copying during normal working hours in accordance with the Public Records Act, R.S. 44:1 et seq.

Claims of confidentiality for the following will be denied:

a. The name and address of any permit applicant or permittee;
b. Permit applications, permits, and effluent data.
c. Information required by LPDES application forms provided by the state administrative authority under LAC 33:IX.2501 may not be claimed confidential. This includes information submitted on the forms themselves and any attachments used to supply information required by the forms.

SECTION E. PENALTIES FOR VIOLATIONS OF PERMIT CONDITION

1. Criminal

a. Negligent Violations
The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who negligently violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any such provision in a permit issued under the LPDES by the secretary, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than $50,000 per day of violation, or imprisonment of not more than two years, or both.

b. Knowing Violations
The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or any permit condition or limitation implementing any such provisions in a permit issued under the LPDES, or any requirement imposed in a pretreatment program approved under the LPDES is subject to a fine of not less than $5,000 nor more than $50,000 per day of violation, or imprisonment for not more than 3 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, he shall be subject to a fine of not more than $100,000 per day of violation, or imprisonment of not more than six years, or both.

c. Knowing Endangerment
The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly violates any provision of the LPDES, or any order issued by the secretary under the LPDES, or any permit condition or limitation implementing any of such provisions in a permit issued under the LPDES by the secretary, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than $250,000, or by imprisonment for not more than 15 years, or both. A person which is an organization shall, upon conviction of violating this Paragraph, be subject to a fine of not more than one million dollars. If a conviction of a person is for a violation committed after a first conviction of such person under this Paragraph, the maximum punishment shall be doubled with respect to both fine and imprisonment.

d. False Statements
The Louisiana Revised Statutes LA. R. S. 30:2076.2 provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the LPDES or who knowingly falsifies, tampers with, or renders inaccurate, any monitoring device or method required to be maintained under the LPDES, shall, upon conviction, be subject to a fine of not more than $10,000, or imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this Subsection, he shall be subject to a fine of not more than $20,000 per day of violation, or imprisonment of not more than 4 years, or both.

2. Civil Penalties
The Louisiana Revised Statutes LA. R. S. 30:2025 provides that any person found to be in violation of any requirement of this Subtitle may be liable for a civil penalty, to be assessed by the secretary, an assistant secretary, or the court, of not more than the cost to the state of any response action made necessary by such violation which is not voluntarily paid by the violator, and a penalty of not more than $32,500 for each day of violation. However, when any such violation is done intentionally, willfully, or knowingly, or results in a discharge or disposal which causes irreparable or severe damage to the environment or if the substance discharged is one which endangers human life or health, such person may be liable for an additional penalty of not more than one million dollars.

(**PLEASE NOTE**: These penalties are listed in their entirety in Subtitle II of Title 30 of the Louisiana Revised Statutes.)

SECTION F. DEFINITIONS

All definitions contained in Section 502 of the Clean Water Act shall apply to this permit and are incorporated herein by reference. Additional definitions of words or phrases used in this permit are as follows:

1. Clean Water Act (CWA) means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or the Federal Water Pollution Control Act Amendments of 1972) Pub.L.92-500, as amended by Pub.L. 95-217, Pub.L. 95-576, Pub.L. 96-483 and Pub.L. 97-117, 33 U.S.C. 1251 et. seq.).

2. Accreditation means the formal recognition by the department of a laboratory's competence wherein specific tests or types of tests can be accurately and successfully performed in compliance with all minimum requirements set forth in the regulations regarding laboratory accreditation.

3. Administrator means the Administrator of the U.S. Environmental Protection Agency, or an authorized representative.

4. Applicable Standards and Limitations means all state, interstate and federal standards and limitations to which a discharge is subject under the Clean Water Act, including, effluent limitations, water quality standards of performance, toxic effluent standards or prohibitions, best management practices, and pretreatment standards under Sections 301, 302, 303, 304, 306, 307, 308 and 403.

5. Applicable water quality standards means all water quality standards to which a discharge is subject under the Clean Water Act.

6. Commercial Laboratory means any laboratory, wherever located, that performs analyses or tests for third parties for a fee or other compensation and provides chemical analyses, analytical results, or other test data to the department. The term commercial laboratory does not include laboratories accredited by the Louisiana Department of Health and Hospitals in accordance with R.S.49:1001 et seq.

7. Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day. Daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample.

8. Daily Maximum discharge limitation means the highest allowable "daily discharge".

9. Director means the U.S. Environmental Protection Agency Regional Administrator, or the state administrative authority, or an authorized representative.

10. Domestic septage means either liquid or solid material removed from a septic tank, cesspool, portable toilet, Type III marine sanitation device, or similar treatment works that receives only domestic sewage. Domestic septage does not include liquid or solid material removed from a septic tank, cesspool, or similar treatment works that receives either commercial wastewater or industrial wastewater and does not include grease removed from grease trap at a restaurant.

11. Domestic sewage means waste and wastewater from humans, or household operations that is discharged to or otherwise enters a treatment works.

12. Environmental Protection Agency or (EPA) means the U.S. Environmental Protection Agency.

13. Grab sample means an individual sample collected over a period of time not exceeding 15 minutes, unless more time is needed to collect an adequate sample, and is representative of the discharge.

14. Industrial user means a nondomestic discharger, as identified in 40 CFR 403, introducing pollutants to a publicly owned treatment works.

15. LEQA means the Louisiana Environmental Quality Act.

16. Louisiana Pollutant Discharge Elimination System (LPDES) means those portions of the Louisiana Environmental Quality Act and the Louisiana Water Control Law and all regulations promulgated under their authority which are deemed equivalent to the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act in accordance with Section 402 of the Clean Water Act and all applicable federal regulations.

17. Monthly Average (also known as Daily Average), other than for fecal coliform bacteria, discharge limitations are calculated as the sum of all "daily discharge(s)" measured during a calendar month divided by the number of "daily discharge(s)" measured during that month. When the permit establishes monthly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the monthly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar month where C = daily discharge concentration, F = daily flow and n = number of daily samples; monthly average discharge =

$$\frac{C_1F_1 + C_2F_2 + \ldots + C_nF_n}{F_1 + F_2 + \ldots + F_n}$$

When the permit establishes monthly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the monthly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar month.

The monthly average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected during a calendar month.

18. National Pollutant Discharge Elimination System (NPDES) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the Clean Water Act.

19. Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

20. Sewage sludge means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works. Sewage sludge includes, but is not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment processes; portable toilet pumpings, type III marine sanitation device pumpings (33 CFR part 159); and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works.

21. Treatment works means any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage and industrial wastes of a liquid nature to implement Section 201 of the Clean Water Act, or necessary to recycle or reuse water at the most economical cost over the estimated life of the works, including intercepting sewers, sewage collection systems, pumping, power and other equipment, and their appurtenances, extension, improvement, remodeling, additions, and alterations thereof. (See Part 212 of the Clean Water Act)

22. For fecal coliform bacteria, a sample consists of one effluent grab portion collected during a 24-hour period at peak loads.

23. The term MGD shall mean million gallons per day.

24. The term mg/L shall mean milligrams per liter or parts per million (ppm).

25. The term µg/L shall mean micrograms per liter or parts per billion (ppb).

26. The term ng/L shall mean nanograms per liter or parts per trillion (ppt).

27. Weekly average, (also known as 7-day average), other than for fecal coliform bacteria, is the highest allowable arithmetic mean of the daily discharges over a calendar week, calculated as the sum of all "daily discharge(s)" measured during a calendar week divided by the number of "daily discharge(s)" measured during that week. When the permit establishes weekly average concentration effluent limitations or conditions, and flow is measured as continuous record or with a totalizer, the weekly average concentration means the arithmetic average (weighted by flow) of all "daily discharge(s)" of concentration determined during the calendar week where C = daily discharge concentration, F = daily flow and n = number of daily samples; weekly average discharge =

$$\frac{C_1F_1 + C_2F_2 + \ldots + C_nF_n}{F_1 + F_2 + \ldots + F_n}$$

When the permit establishes weekly average concentration effluent limitations or conditions, and the flow is not measured as a continuous record, then the weekly average concentration means the arithmetic average of all "daily discharge(s)" of concentration determined during the calendar week.

The weekly average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

28. Sanitary Wastewater Term(s):

a. 3-hour composite sample consists of three effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 3-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 3-hour period.

b. 6-hour composite sample consists of six effluent portions collected no closer together than one hour (with the first portion collected no earlier than 10:00 a.m.) over the 6-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 6-hour period.

c. 12-hour composite sample consists of 12 effluent portions collected no closer together than one hour over the 12-hour period and composited according to flow, or a sample continuously collected in proportion to flow over the 12-hour period. The daily sampling intervals shall include the highest flow periods.

d. 24-hour composite sample consists of a minimum of 12 effluent portions collected at equal time intervals over the 24-hour period and combined proportional to flow or a sample continuously collected in proportion to flow over the 24-hour period.

Appendix A

Product	Chemical Name
1,1,1- Trichloroethane (non-VOC)	1,1,1- Trichloroethane (Methyl Chloroform)
1,3 Propanediol	1,3 Propanediol
3-MOPA	3-Methoxypropylamine
Acetic Acid	Acetic Acid
Acetone	Acetone
Acid Oil	Triglycerides
Accolade Base	Fatty Acid Ester & Olefin Blend
Accolade System	Blend
Acronal 504, 866, 6618 (non-VOC)	Acronal Polymers (non-VOC)
Acrylonitrile	Acrylonitrile
Allyl Alcohol	Allyl Alcohol
Ally Chloride PDC	Allyl Chloride
Americas Core 100	Severely Refine Mineral Oil
Ammonium Nitrite	Ammonium Nitrite
Aniline	Aniline
Aromatic 150 Solvent	Aromatic Hydrocarbon
Aristonate	Alpha Olefin Blend
BAPMA	Biamino – Propyl – Methylamine
BDF-279	Synthetic Hydrocarbons 10-30%
Bio-ADD 362 or Dril XT	Hydrocarbon/Fatty Acid Ester/Sulfonate
Bio-Add 422, Drilzone L & Ultrafree L	Aliphatic Hydrocarbons, Ester & Ethoxylate
Bio-Add 770	Glycol Ether, Vegetable Oils
Bio-Base 100, 200, 210, 250, 560, 580, 16/18	Alpha Olefin Blend
Bis-(2-Domethylaminoethyl) Ether & Lupragen N 205	N,N,N, N-Tetramethyl-2,2-Oxybis(Ethylamine)
Butanediol (all Isomers)	1,4 Butanediol
Butanol	n-Butyl Alcohol
Butylamine	Butylamine
Sec-Butylamine	Sec-Butylamine
t-Butylamine	t-Butylamine
C-113 SHF Parafins	Alphatic Hydrocarbon
C-414/770C	Oil Soluble Calcium Sulfonate
C-4501	Oil Soluble Calcium Sulfonate
CA-OB-320	Oil Soluble Calcium Sulfonate
Calcium Bromide Brine	Inorganic Bromide
Carbon Tetrachloride	Carbon Tetrachloride
Caustic Soda	Sodium Hydroxide
Chlorobenzene	Chlorobenzene
Chloroform	Chloroform
Clear Concentrate	Glycol

Product	Chemical Name
Coconut Oil	Coconut Oil
Corn Oil	Corn Oil
Crude Carbon Tetrachloride	Carbon Tetrachloride
Crude Coconut Oil	Crude Coconut Oil
Crude Degummed Soybean Oil	Soybean Oil
Crude Oils	Crude Oil
Crude RM-17	Hydroformylation Catalyst
Crude Tall Oil	Tall Oil Fatty Acids
Crude THF	Crude Tetrahydrofuran
Cutter Stock	Fuel Oil Blends
Cyclohexylamine (CHA)	Cyclohexylamine
DBA	n-Dibutylamine
DEA	Diethanolamine
DEEA	Diethylethanolamine
DEN	Diethylamine
DI-2-EHA	Di-2-Ethylhexylamine
DIDP	Phthalate Ester
Diethylene Glycol	Diethylene Glycol
DMAPA	Dimethylaminopropylamine
DMCHA	Dimethylcyclohexylamine
DMDEE	2,2-Dimorpholinodiethylether
DMEE	Dimethylaminoethoxyethanol
Dowper Solvent	Perchloroethylene
Drill-Col 64K	
Drill-Col 110 or Glydril LC	Polyoxalkylene glycol alkyl ether
Drill-Col 210 or Glydril MC	Polyoxalkylene glycol monoalkyl ether
DSIDA	Disodium Iminodiacetate Solution
EDC	Ethylene Dichloride
Edible Oils	Castor, coconut, corn, cottonseed, croton, fish, groundnut, lard, lemon, linseed, orange, palm, palm kernel, peanut, rapeseed, safflower, soybean, sunflower, tallow and vegetable
Elastocast (R) 70290T Isocyanate (M-20S)	Polymethylene Polyphenylisocynate
Elastocast 7034U Isocyanate	Polymethylene Polyphenylisocynate
Elastoflex (R) 20080T Isocyanate	Polymethylene Polyphenylisocynate
Elastoflex (R) 23000T Isocyanate	Polymethylene Polyphenylisocynate
Elastoflex (R) 2500U Isocyanate	Polymethylene Polyphenylisocynate
Elastofoam (R)I307OU Isocyanate	Diphenylmethane Diisocyanate Prepolymer
Elastopor (R) P1001U Isocyanate	Polymethylene Polyphenylisocyanatc
Elastophor (R) P1065U Ioscyanate	Polymethylene Polyphenylisocyanate

Product	Chemical Name
Epichlorohydrin	Epichlorohydrin
Ethyl Alcohol	Ethyl Alcohol
Ethyl Benzene	Ethyl Benzene
Ethylene Glycol A/F Grade	Ethylene Glycol
FA-1695 V	Palmitic Acid
Fatty Acid Ester	Triglycerides
Fina-EBL	
Finagreen BDMF	Esters of Fatty Acids
Fish Oil	Menhaden Fish Oil
Fuel Oil #2	Distillate Oil
Fuel Oil #6	Residual Oil
Furfural	Furfural
GBL	Gammabutylroactone
GBL-150 Blend	Gammabutylroactone
Glycerine	Glycerine
Glyoxal	Ethandial Dioxime
HiTEC 5755 Performance Additive	Dispersant Olefin Copolymer
HiTEC 5777 Performance Additive	Petrochemical
Hi-Tri Solvent	Trichloroethylene
HOF-13	Tridecyl Alcohol
Hydrocarbon Blend Stock-150	Olefin/Parafin Mixture
Hydrogenated THF	Tetrahydrofuran
IA-35 Fluid	Synthetic Isoalkane Hydrocarbon Mixture
Inedible Tallow	Triglycerides
Isobutyl Alcohol	Isobutyl Alcohol
Isocyanate-17	Polymethylene Polyphenylisocyanate
Isocyanate-262	4,4-Diphenylmethane Diisocyanate
Isocyanate-264 (Pure MDI)	4,4-Diphenylmethane Diisocyanate
Isocyanate-78	Polymethylene Polyphenylisocyanate
Isodecyl Alcohol	Isodecyl Alcohol
Isopropyl Alcohol	Isopropyl Alcohol
Jet Kerosene	Jet Kerosene
Kerosene	Kerosene
Latex	Latex
Lard	Triglycerides
Linseed Oil	Linseed Oil
Lorol C12-14A	Saturated Aliphatic C12-14 Alcohol
Lupranate (R) M-10 MDI Blend Direct	Blended Polyphenylisocyanate
Lupranate (R) M-20S MDI	Polymethylene Polyphenylisocyanate
Lupranate M-10 (MDI)	Polymetric Diphenylmethane Diisocyanate

Product	Chemical Name
Lupranate M-20S (MDI)	Polymetric Diphenylmethane Diisocyanate
Lupranate M-70L MDI	Polymethylene Polyphenylisocyanate
Lupranate M-70R MDI	Polymethylene Polyphenylisocyanate
Lupranate T-80 (Type – 1)	Toluene Diisocyanate Type 1
Lupranate T-80 (Type – 2)	Toluene Diisocyanate Type 2
Mega Surf 100 and 200	Alcohol Ethoxylates
MDEA	Methyldiethanolamine
MDEA Activated Blend 06	Methyldiethanolamine
MDI	4,4-Diphenylmethane Diisocyanate
MEK	Methyl Ethyl Ketone
ME-S1885 Soybean Methyl Ester	Methyl Esters of Soybean
Methanol	Methanol
Methyl Morpholine Anyhydrous	Methyl Morpholine Anyhydrous
Methylene Chloride (Technical) (non-VOC)	Methylene Chloride (non-VOC)
MMA	Methyl Methacrylate
MNT	M-Nitrotoluene
Molasses	Agricultural Commodities Mixture
Morpholine	Morpholine
Nalco 7835	Mixture
Nap Acid	Naphthenic Acid, Petroleum Distillates
Naphthalene	Naphthalene
Natural Gasoline ..C5-8	Petroleum Hydrocarbon
Naugard I-3	N-(1,3, Dimethylpentyl)-N'-phenyl-p-phenylenediamine
Naugard I-4701	N, N' Diisopropyl-p' Phenylenediamine Blend
Naugard SFR 40% EB	Nitroxy Free Radical with Ethylbenzene (EB-65 wt. % max.)
Neodene (R) 14	Alpha Olefin C14-C28
Neodene (R) 16	Alpha Olefin Blend C14, C16, C18
Neodene 1314	Alkenes, C10-16
Neodene 14/16/18	Alpha Olefin Blend C14, C16, C18, C20
Neodene 15/18	Alpha Olefin Blend C15-18
Neodene 16/18	Alpha Olefin Blend
Neodol 25-3	Ethoxylated Linear Alcohol
Neodol 45	Ethoxylated Linear Alcohol
Neodol 67	Ethoxylated Alcohols
Neodol 91	Ethoxylated C9-C11 Alcohols
Neodol 145 B	C14-15 Alcohols & 1-Undecanol
Neosolv-150	Olefinic Hydrocarbon/Parafin Mixture
Neu-Tri Solvent	Trichloroethylene
n-Heptane	n-Heptane

Product	Chemical Name
n-Hexane	n-Hexane
Nexsol BD-0100 Biodiesel	Methyl Esters from Lipid Sources
Nitrobenzene	Nitrobenzene
n-Methylpyrrolidone CG	N-Methyl-2-Pyrrolidone
n-Methylpyrrolidone Electronic	N-Methyl-2-Pyrrolidone
NMP	N-Methyl-2-Pyrrolidone
n-Octylamine	n-Octylamine
OLOA 219	Lubricant Additive
OLOA 13000	Lubricant Additive
OMC 1049	Alkyl Ester
ONT	Orthonitrotoluene
Orthodichlorobenzene	Orthodichlorobenzene
Palm Fatty Acid	Hexadecanoic Acid
Paraffin	Paraffin
PERC (non-VOC)	Perchloroethylene (non-VOC)
Perchloroethylene Crude	Perchloroethylene Crude
Piperazine Concentrate	Aliphatic Amines
PM-200	Polymethane Polyphenyl Isocyanate
POLY THF 1000	Polytetrahydrofuran
POLY THF 2000	Polytetrahydrofuran
POLY THF 650	Polytetrahydrofuran
Polyetheramine D-230	Polyether, Amine
Polyetheramine D-2000	Etherdiamine 2000
Polyisobutyleneamine	Polyisobutyleneamine
Pluracol Polyols	Polyether Polyols
Poultry Fat	Triglycerides
Purification Column Bottoms – PDO	1,3 – Propanediol Mixture
RBD Palm Kernal Oil	Triglycerides
RBD Palm Oil	Triglycerides
RBD Palm Oteine Oil	Triglycerides
RBD Palm Stearine Oil	Triglycerides
Rapeseed Oil	Rapeseed Oil
Recycle Oil Mix	Slop Oil
REF-4GS	Refined Mineral Oil
Rubinate 1225 Pure MDI	4,4-Diphenylmethane Diisocyanate
Rubinate 1820 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 1821 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 1840 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 1850 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 2085 MDI	Polymetric Diphenylmethane Diisocyanate

Product	Chemical Name
Rubinate 44 MDI	4,4-Diphenylmethane Diisocyanate
Rubinate 5005 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 7405 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 7411 MDI	Polymetric Diphenylmethane Diisocyanate
Rubinate 9030 MDI	Toluene Diisocyanate/ MDI Blend
Rubinate 9044 Pure MDI	4,4-Diphenylmethane Diisocyanate
Rubinate 9279 MDI	MDI/TDI Blend
Rubinate 9423 MDI	Toluene Diisocyanate/ MDI Blend
Rubinate TDI	Toluene Diisocyanate
Rubinate TDI Type B	Toluene Diisocyanate
Rubinate-M MDI	Polymetric Diphenylmethane Diisocyanate
SBA	Secondary Butylamine
Sec-Butyl Alcohol	Sec-Butyl Alcohol
SF Petrofree	Olefin
S-Metolachlor	Herbicide
Soapstock	Triglycerides
Sodium Sulfide	Sodium Sulfide
Spent Sulfuric Acid	Inorganic Acid
Sulfolane – Anhydrous	Tetrahydrothiophene 1,1-dioxide
Sunflower Oil	Triglycerides
Sunisco 3 GS	Refined Petroleum Oil
Suprasec 1225 Pure MDI	4,4-Diphenylmethane Diisocyanate
Suprasec 2000 MDI	MDI/Mixture
Suprasec 3032	MDI/TDI Blend
Suprasec 9279	MDI/TDI Blend
Suprasec 9423	MDI/TDI Blend
Suprasec TDI	Toluene Diisocyanate
Tall Oil Heads	Tall Oil Heads
Tall Oil Pitch	Tall Oil
Tall Oil Pitch & Head	Tall Oil Fatty Acids
Tallow	Triglycerides
T-Det N-9, Tergitol NP 8; NP 9.5; NP 10; NP 12, NP 13; NP 15	Alcohol C13-C15 poly(1-6) ethoxylate (DOT description)
TDI Type 1	Toluene Diisocyanate
TDI Type 2	Toluene Diisocyanate
TEA	Triethylamine
Tergitol NP 30	Surfactant
Tergitol NP 40	Surfactant
Tergitol NP 50, Tergitol NP 70	Surfactant
Tergitol NP 6; Tergitol NP 7	Alcohol C13-C15 poly(1-6) ethoxylate (DOT description)

Product	Chemical Name
Tetrahydrofuran	Tetrahydrofuran
Toluene	Aromatic Hydrocarbon
Tonox	Polymetric DADPM
Tuff Stuff 85-15	Glycol/Glycerol/EO/EP polymer
Turpentine	Turpentine
Tricholoroethylene	Trichloroethylene
Vegetable Oils	Triglycerides
Vinyl Acetate	Vinyl Acetate
Xylene	Xylene
Yellow Grease	Triglycerides