DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER20070014
Agency Interest No. 2083

Sarah B. Thigpen
Responsible Care Leader
Union Carbide Corporation
PO Box 50
Hahnville, LA 70057-0050

RE: Part 70 Operating Permit, Union Carbide Corp - St Charles Operations- MGE Plant, Union Carbide Corp, Taft, St. Charles Parish, Louisiana

Dear Ms. Thigpen:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2814-V1

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:LND
c: EPA Region VI

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Union Carbide Corp - St Charles Operations
MGE Plant
Agency Interest No.: 2083; PER20070014
Union Carbide Corp
Taft, St. Charles Parish, Louisiana

I. Background

Union Carbide Corporation (UCC), a subsidiary of the Dow Chemical Company, operates the St. Charles Operations' Methyl Glycol Ethers (MGE) Plant, an existing chemical manufacturing facility that began operation prior to 1969. The plant is currently operating under Part 70 Operating Permit 2814-V0 issued October 31, 2002. This is the Part 70 operating permit renewal for the MGE Plant

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Union Carbide Corp on April 24, 2007 requesting a Part 70 operating permit renewal. Additional information dated October 3, 2007 was also submitted.

III. Description

Ethylene oxide, methanol and glycol ethers are reacted together at the Methyl Glycol Ethers (MGE) Plant to produce glycol ether products of varying molecular weights. Production rates of the products are dependent upon the amount of each product that is returned to the reactor and the ethylene oxide feed.

Ethylene oxide, methanol and glycol ethers are reacted together at the Methyl Glycol Ethers produce
The unused methanol in the reaction is recovered in a distillation column and reused in the process. There are three other distillation columns used to separate the glycol ether products. The three distillation columns utilize a vacuum jet system to operate below atmospheric pressure.

This is the renewal permit. No physical modifications or changes in the method of operation have occurred since the initial permit was issued. The emission estimating methodology was updated to represent current knowledge of raw material and product speciation and operating conditions. A summary of the proposed changes are as follows:

- MK4-H217 Vent (EPN 40) – Description change.
- Tank 3366 Vent (EPN 42) –For operational flexibility, the throughput was increased from 366,859 gal/yr to 636,132 gal/yr. This reconciliation is based on current knowledge of existing operations and service of the tank. The tank stores material from any part of the process that needs to be recycled back into the process.
- Tank3373 Vent (EPN 46D) - Description change.

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- The Notification of Case-By-Case Insignificant Activity dated September 26, 2003 has been incorporated into this application.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	-	-	-
SO_2	-	-	-
NO_X	-	-	-
CO	-	-	-
VOC *	5.42	5.47	+0.05

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetaldehyde	0.01	0.01	-
Diethylene Ether	<0.01	0.01	+0.01
Ethylene Glycol	0.02	0.02	-
Ethylene Oxide	0.03	0.047	+0.017
Glycol Ether (II)	0.69	0.69	-
Glycol Ether (II-s)	1.63	1.65	+0.02
Methanol	1.91	1.89	-0.02
TOTAL	4.29	4.32	0.03

Other VOC (TPY): 1.15

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on XXXX XX, 2007; and in the *St. Charles Herald Guide*, Boutte, on XXXX XX, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXXX XX, 2007. The draft permit was also submitted to US EPA Region VI on XXX XX, 2007. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

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VIII. General Condition XVII Activities

		Emission Rates - tons				
Work Activity	Schedule	PM_{10}	SO_2	NO_X	CO	VOC
Closed Sampling Procedures	3230 events/yr	-	-	-	-	-
Filter Changes	20/yr	-	-	-	-	<0.01
Column Cleaning	8events/yr	-	-	-	-	<0.01

IX. Insignificant Activities

ID No.:	Description	Citation
45	Tank 3375 – (7381 gals)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
46	Tank 3376 – (7381 gals)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
47	Tank 3377 – (7381 gals)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
48	Tank 3378 – (7381 gals)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
-	Tank MK4-114 – (1241 gals)	Insignificant Activity per LAC 33:III.501.B.5.A.3.

PART 70 SPECIFIC CONDITIONS

Union Carbide Corp - St Charles Operations
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Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emission programs.

a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (non-HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.

b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every 4 quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.

c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Methyl Glycol Ethers (MGE) Plant	40 CFR Part 63 Subpart H	≥ 5% VOHAP	40 CFR 63 Subpart H
	40 CFR Part 63 Subpart H (per 40 CFR 63.2346(c) Subpart EEEE)	≥ 5% VOHAP	
	LAC 33:III.2121	≥ 10% VOC	

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	2153	29*	51*	53*	56	59*
UNF002	UCC-Facility Wide			1	1	1						1					1		1	1
UNF004	UCC-MGE Plant																			
EQT052	42-Tank 3366 Vent							3									1			
EQT830	43-Tank 3373 Vent							3									1			
EQT831	44-Tank 3374 Vent							3									1			
EQT832	49-Tank 3380 Vent							1									1			
EQT833	4000-Process Tank-MK4-111 Vent							1									1			
EQT834	Reactor MK4-E101R																			
EQT835	46E-Tank 108 Vent (Surge Control Vessel)							1									1			
EQT836	Heat Exchange Systems																			
EQT837	Process Wastewater														3		1			
EQT838	Maintenance Wastewater																1			
EQT839	Unloading Activities																1			
EQT841	4001-Tank MK4-C222 Hotwell Vent							3					3				1			
FUG018	196K-Fugitive Emissions										1			1			1			
RLP090	40-MGE Vacuum Jet MK4-H217 Vent												3				1			

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		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	2153	29*	51*	53*	56	59*
RLP091	46D-Column MK4-C102 Vent												3				1			
RLP094	Column MK4-C201												3				1			
RLP095	Column MK4-C206												3				1			
RLP096	Column MK4-C211												3				1			

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS							40 CFR 61			40 CFR 63 NESHAP						40 CFR		
		A	Kb	VV	NNN	RRR			A	FF		A	F	G	H	EEEE	GGGGG	64	68	82
UNF002	UCC-Facility wide								1	1		1					1	3	1	1
UNF004	UCC-MGE Plant											1	1	1	1	1				
EQT052	42-Tank 3366 Vent		2										1	1						
EQT830	43-Tank 3373 Vent		3										1	1						
EQT831	44-Tank 3374 Vent		3										1	1						
EQT832	49-Tank 3380 Vent		3										1	1						
EQT833	4000-Process Tank MK4-111 Vent																			
EQT834	Reactor MK4-E101R					2							1	1						
EQT835	46E-Tank 108 Vent (Surge Control Vessel)														2					
EQT836	Heat Exchange Systems												1							
EQT837	Process Wastewater												1	1						
EQT838	Maintenance Wastewater												1							
EQT839	Unloading Activities															1				
EQT841	4001-Hotwell MK4-C222 Vent													3						
FUG018	196K-Fugitive Emissions			2									1		1					
RLP090	40-MK4-H217 Vent				2								1	1						

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		A	Kb	VV	NNN	RRR			A	FF		A	F	G	H	EEEE	GGGGG	64	68	82
RLP091	46D-Column MK4-C102 Vent				2								1	1						
RLP094	Column MK4-C201				2								1	1						
RLP095	Column MK4-C206				2								1	1						
RLP096	Column MK4-C211				2								1	1						

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:		Requirement	Notes
UNF002	MGE Plant	Compliance Assurance Monitoring [40 CFR 64.2]	DOES NOT APPLY. The MGE Plant has no emissions units that meet the criteria specified in 40 CFR 64.2(a).
EQT052	42-Tank 3366 Vent	NSPS Subpart Kb- Standard of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY- Storage vessel was not constructed, reconstructed or modified after July 23, 1984.
		Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY- Vapor pressure < 1.5 psia.
EQT830	43-Tank 3373 Vent	NSPS Subpart Kb- Standard of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY- Tank capacities are less than 19,812 gallons (75 m^3).
EQT831	44-Tank 3374 Vent	Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY- Vapor pressure < 1.5 psia.
EQT832	49-Tank 3380 Vent	NSPS Subpart Kb- Standard of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY- Tank capacity is less than 19,812 gallons (75 m^3).
EQT833	4000-Process Tank MK4-111 Vent	NESHAP Surge Control Vessel - Subpart H [40 CFR 63.170]	EXEMPT. No controls required. Existing surge control vessel with volume less than 19,812 gallons or 75 m^3.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:		Requirement	Notes
EQT834	Reactor MK4-E101R	NSPS Subpart RRR-Reactor Processes [40 CFR 60.700]	DOES NOT APPLY. Reactor was not constructed, reconstructed or modified after June 29, 1990. Reactor routed to 46D Column MK4-C102 Vent.
EQT835	46E-Tank 108 Vent (Surge Control Vessel)	NESHAP Surge Control Vessel - Subpart H [40 CFR 63.170]	EXEMPT. No controls required. Existing surge control vessel with volume less than 19,812 gallons or 75 m^3.
EQT841	4001-Hotwell MK4-C222 Vent	NESHAP Part 63 Subpart G – Process Vent Provisions [40 CFR 63.113]	DOES NOT APPLY. Hotwell does not receive a gaseous stream. It receives a liquid stream. Therefore, it does not meet the definition of process vent per 40 CFR 63.107(f)
		Storage of VOC Compounds [LAC 33:III.2103]	DOES NOT APPLY. Container volume less than 250 gallons. Container is not storing or handling VOCs.
		Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Emissions controlled to a degree that constitutes MACT as per LAC 33:III.5109.A, and as such LAC 33:III.2115 does not apply.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:		Requirement	Notes
FUG018	196K-Fugitive Emissions	NSPS Subpart VV for Equipment Leaks from SOCMI Facilities [40 CFR 60.480]	DOES NOT APPLY. Plant was not constructed, reconstructed or modified after January 5, 1981.
RLP090 RLP091	40-MK4-H217 Vent 46D-Column MK4-C102 Vent	NSPS Part 60 Subpart NNN-VOC Emissions from SOCMI Distillation Operations [40 CFR 60.660]	DOES NOT APPLY-Distillation Units were not constructed, reconstructed or modified after December 30, 1983.
RLP094 RLP095 RLP096	Column MK4-C201 Column MK4-C206 Column MK4-C211	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Emissions controlled to a degree that constitutes MACT as per LAC 33:III.5109.A, and as such LAC 33:III.2115 does not apply.
EQT837	Process Wastewater	Control Emissions of Organic Compounds-Standards for Industrial Wastewater. [LAC 33:III.2153.B]	DOES NOT APPLY. Applies to facilities located in ozone non attainment areas. UCC is located in St. Charles Parish which is designated as attainment for ozone

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. 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. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 24, 2007, along with supplemental information dated October 3, 2007.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

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SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
Permit Number: 2814-V1
Air - Title V Regular Permit Renewal

EQT0052 42-Tank 3366 Vent

1	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
2	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subparts F and G as applicable determined as MACT.

EQT0830 43-Tank 3373 Vent

3	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
4	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subparts F and G as applicable determined as MACT.

EQT0831 44-Tank 3374 Vent

5	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
6	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subparts F and G as applicable determined as MACT.

EQT0832 49-Tank 3380 Vent

7	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
8	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
9	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
10	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
11	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank contains methanol, a Class III TAP. MACT is not required.

EQT0833 4000-Process Tank-MK4-111 Vent

12	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
13	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
Permit Number: 2814-V1
Air - Title V Regular Permit Renewal

EQT0833 4000-Process Tank-MK4-111 Vent

14	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
15	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emits Methanol, a Class III TAP. MACT is not requied.

EQT0835 46E-Tank 108 Vent (Surge Control Vessel)

16	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
17	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
18	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
19	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with LAC 33:III 2103 determined as MACT.

EQT0836 Heat Exchange System

20	[40 CFR 63.104(b)]	Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)] Which Months: All Year Statistical Basis: None specified
21	[40 CFR 63.104(c)(3)]	Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
22	[40 CFR 63.104(c)]	Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
23	[40 CFR 63.104(d)]	Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
24	[40 CFR 63.104(f)]	Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
Permit Number: 2814-V1
Air - Title V Regular Permit Renewal

EQT0837 Process Wastewater

25	[40 CFR 63.132(a)(1)]	Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
26	[40 CFR 63.132(c)]	Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Subpart G. [40 CFR 63.132(c)]
27	[40 CFR 63.132(f)]	Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]
28	[40 CFR 63.143(a)]	Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]
29	[40 CFR 63.146(b)(1)]	The owner or operator shall include the information specified in paragraphs (b)(1)(i) through (iv) of this section in the Notification of Compliance Status Report. Subpart G. [40 CFR 63.146(b)(1)]
30	[40 CFR 63.147]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.
31	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with NESHAP 40 CFR 63 Supbarts F and G, as applicable, determined as MACT.

EQT0838 Maintenance Wastewater

32	[40 CFR 63.105(d)]	Maintenance wastewater: Incorporate the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]
33	[40 CFR 63.105(e)]	Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]
34	[40 CFR 63.105]	Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F.
35	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with NESHAP 40 CFR 63 Subpart F, as applicable, determined as MACT.

EQT0839 Unloading Activities

36	[40 CFR 63.2343(a)]	Keep documentation that verifies that each transfer rack identified in 40 CFR 63.2343(a) is not required to be controlled. Keep documentation up-to-date (i.e., all such emission sources at a facility are identified in the documentation regardless of when the documentation was last compiled) and in a form suitable and readily available for expeditious inspection and review according to 40 CFR 63.10(b)(1), including records stored in electronic form in a separate location. Subpart EEEE. [40 CFR 63.2343(a)]

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SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
Permit Number: 2814-V1
Air - Title V Regular Permit Renewal

EQT0839 Unloading Activities

37	[40 CFR 63.2346(c)]	Comply with the applicable requirements under 40 CFR 63 Subpart H. Subpart EEEE. [40 CFR 63.2346(c)]
38	[40 CFR 63.2396(e)(2)]	If complying with the recordkeeping and reporting requirements of the other 40 CFR 63 subpart that satisfies the recordkeeping and reporting requirements of this subpart, the owner or operator may elect to continue to comply with the recordkeeping and reporting requirements of the other subpart. In such instances, the owner or operator will be deemed to be in compliance with the recordkeeping and reporting requirements of this subpart. The owner or operator must identify the other subpart being complied with in the Notification of Compliance Status required by 40 CFR 63.2382(b). Subpart EEEE UCC has opted into the Louisiana Fugitive Emissions Program Consolidation as described under Emission Point FUG018 Fugitive Emissions. [40 CFR 63.2396(e)(2)]

EQT0841 4001-Tank MK4-C222 Hotwell Vent

39	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
40	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank emits Class I or II TAPs. Compliance with LAC 33:III.2115, as applicable, determined as MACT.

FUG0018 196K-Fugitive Emissions

41	[40 CFR 63.162(c)]	Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
42	[40 CFR 63.162(f)]	Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
43	[40 CFR 63.163(b)(1)]	Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)] Which Months: All Year Statistical Basis: None specified
44	[40 CFR 63.163(b)(3)]	Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)] Which Months: All Year Statistical Basis: None specified
45	[40 CFR 63.163(c)]	Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

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46	[40 CFR 63.163(d)(2)]	Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
47	[40 CFR 63.163(d)(4)]	Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
48	[40 CFR 63.163(e)(1)]	Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
49	[40 CFR 63.163(e)(2)]	Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
50	[40 CFR 63.163(e)(3)]	Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
51	[40 CFR 63.163(e)(4)]	Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)] Which Months: All Year Statistical Basis: None specified
52	[40 CFR 63.163(e)(6)(i)]	Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
53	[40 CFR 63.163(e)(6)]	Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
54	[40 CFR 63.163(e)]	Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)] Which Months: All Year Statistical Basis: None specified
55	[40 CFR 63.163(h)]	Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)] Which Months: All Year Statistical Basis: None specified

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56	[40 CFR 63.163(j)(1)]	Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
57	[40 CFR 63.163(j)(2)]	Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)] Which Months: All Year Statistical Basis: None specified
58	[40 CFR 63.164(a)]	Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
59	[40 CFR 63.164(b)]	Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
60	[40 CFR 63.164(c)]	Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
61	[40 CFR 63.164(d)]	Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
62	[40 CFR 63.164(e)(2)]	Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
63	[40 CFR 63.164(g)]	Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
64	[40 CFR 63.164(i)(2)]	Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)] Which Months: All Year Statistical Basis: None specified
65	[40 CFR 63.164]	Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. Which Months: All Year Statistical Basis: None specified
66	[40 CFR 63.165(a)]	Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)] Which Months: All Year Statistical Basis: None specified
67	[40 CFR 63.165(b)(1)]	Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

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68	[40 CFR 63.165(b)(2)]	Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)] Which Months: All Year Statistical Basis: None specified
69	[40 CFR 63.165(d)(2)]	Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
70	[40 CFR 63.166]	Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.
71	[40 CFR 63.167]	Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
72	[40 CFR 63.168(c)]	Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)] Which Months: All Year Statistical Basis: None specified
73	[40 CFR 63.168(c)]	Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)] Which Months: All Year Statistical Basis: None specified
74	[40 CFR 63.168(d)(1)]	Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)] Which Months: All Year Statistical Basis: None specified
75	[40 CFR 63.168(d)(2)]	Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)] Which Months: All Year Statistical Basis: None specified
76	[40 CFR 63.168(e)(1)]	Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
77	[40 CFR 63.168(f)(3)]	Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)] Which Months: All Year Statistical Basis: None specified

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78	[40 CFR 63.168(f)]	Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
79	[40 CFR 63.168(h)(1)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
80	[40 CFR 63.168(h)(2)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)] Which Months: All Year Statistical Basis: None specified
81	[40 CFR 63.168(i)(1)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
82	[40 CFR 63.168(i)(3)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)] Which Months: All Year Statistical Basis: None specified
83	[40 CFR 63.169(a)]	Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)] Which Months: All Year Statistical Basis: None specified
84	[40 CFR 63.169(c)]	Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
85	[40 CFR 63.172(f)(1)(i)]	Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)] Which Months: All Year Statistical Basis: None specified
86	[40 CFR 63.172(f)(1)(ii)]	Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)] Which Months: All Year Statistical Basis: None specified
87	[40 CFR 63.172(f)(2)(i)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)] Which Months: All Year Statistical Basis: None specified

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88	[40 CFR 63.172(f)(2)(ii)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)] Which Months: All Year Statistical Basis: None specified
89	[40 CFR 63.172(h)]	Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
90	[40 CFR 63.172(j)(1)]	Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)] Which Months: All Year Statistical Basis: None specified
91	[40 CFR 63.172(j)(1)]	Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
92	[40 CFR 63.172(j)(2)]	Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)] Which Months: All Year Statistical Basis: None specified
93	[40 CFR 63.172(j)(2)]	Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
94	[40 CFR 63.172(k)(1)]	Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
95	[40 CFR 63.172(k)(2)]	Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)] Which Months: All Year Statistical Basis: None specified
96	[40 CFR 63.172(l)(1)]	Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
97	[40 CFR 63.172(l)(2)]	Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)] Which Months: All Year Statistical Basis: None specified
98	[40 CFR 63.172(m)]	Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
99	[40 CFR 63.173(a)]	Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)] Which Months: All Year Statistical Basis: None specified

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100	[40 CFR 63.173(b)]	Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)] Which Months: All Year Statistical Basis: None specified
101	[40 CFR 63.173(c)]	Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
102	[40 CFR 63.173(d)(1)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
103	[40 CFR 63.173(d)(2)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
104	[40 CFR 63.173(d)(3)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
105	[40 CFR 63.173(d)(4)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)] Which Months: All Year Statistical Basis: None specified
106	[40 CFR 63.173(d)(6)(i)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
107	[40 CFR 63.173(d)(6)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
108	[40 CFR 63.173(d)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)] Which Months: All Year Statistical Basis: None specified

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Activity Number: PER20070014
Permit Number: 2814-V1
Air - Title V Regular Permit Renewal

FUG0018 196K-Fugitive Emissions

109	[40 CFR 63.173(g)]	Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)] Which Months: All Year Statistical Basis: None specified
110	[40 CFR 63.173(h)(1)]	Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]
111	[40 CFR 63.173(h)(3)]	Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)] Which Months: All Year Statistical Basis: None specified
112	[40 CFR 63.173(j)(1)]	Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
113	[40 CFR 63.173(j)(2)]	Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)] Which Months: All Year Statistical Basis: None specified
114	[40 CFR 63.174(b)(1)]	Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)] Which Months: All Year Statistical Basis: None specified
115	[40 CFR 63.174(b)(2)]	Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)] Which Months: All Year Statistical Basis: None specified
116	[40 CFR 63.174(b)(3)(i)]	Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)] Which Months: All Year Statistical Basis: None specified
117	[40 CFR 63.174(b)(3)(ii)]	Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)] Which Months: All Year Statistical Basis: None specified

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118	[40 CFR 63.174(c)(1)(i)]	Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)] Which Months: All Year Statistical Basis: None specified
119	[40 CFR 63.174(c)(2)(i)]	Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
120	[40 CFR 63.174(c)(2)(ii)]	Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)] Which Months: All Year Statistical Basis: None specified
121	[40 CFR 63.174(d)]	Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
122	[40 CFR 63.174(f)(1)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
123	[40 CFR 63.174(f)(2)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)] Which Months: All Year Statistical Basis: None specified
124	[40 CFR 63.174(g)]	Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
125	[40 CFR 63.174(h)(2)]	Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
126	[40 CFR 63.174(i)]	Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
127	[40 CFR 63.180]	Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
128	[40 CFR 63.181]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
129	[40 CFR 63.182(b)]	Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

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130	[40 CFR 63.182(b)]	Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
131	[40 CFR 63.182(b)]	Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
132	[40 CFR 63.182(c)]	Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
133	[40 CFR 63.182(d)]	Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
134	[LAC 33:III.2111]	Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
135	[LAC 33:III.501]	Comply with 40 CFR 63 Subpart EEEE, LAC 33:III.2121 and LAC 33:III. 5109 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with NESHAP 40 CFR 63 Subpart H in accordance with the consolidation guidelines.
136	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the Louisiana Fugitive Emissions Program Consolidation, determined as MACT.

RLP0090 40-MGE Vacuum Jet MK4-H217 Vent

137	[40 CFR 63.113(e)]	TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)] Which Months: All Year Statistical Basis: None specified
138	[40 CFR 63.115(e)]	Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
139	[40 CFR 63.117(b)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
140	[40 CFR 63.118(c)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
141	[40 CFR 63.118(g)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
142	[40 CFR 63.118(h)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
143	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

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RLP0090 40-MGE Vacuum Jet MK4-H217 Vent

144	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G as applicable determined as MACT.

RLP0091 46D-Distillation Column MK4-C102 Vent

145	[40 CFR 63.113(e)]	TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)] Which Months: All Year Statistical Basis: None specified
146	[40 CFR 63.115(e)]	Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
147	[40 CFR 63.117(b)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
148	[40 CFR 63.118(c)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
149	[40 CFR 63.118(g)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
150	[40 CFR 63.118(h)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
151	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
152	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G as applicable determined as MACT.

UNF0002 UCC - MGE Plant

153	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
154	[40 CFR 61.145(b)(1)]	Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
155	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
156	[40 CFR 61.342(b)(2)]	As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)(i-iii). [40 CFR 61.342(b)(2)]

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157	[40 CFR 61.342(b)]	Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
158	[40 CFR 61.342(c)(1)(i)]	Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]
159	[40 CFR 61.355]	Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
160	[40 CFR 61.356]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
161	[40 CFR 61.357(d)(2)]	Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
162	[40 CFR 61.357(d)(6)]	Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
163	[40 CFR 61.357(d)(7)]	Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
164	[40 CFR 61.357(d)(8)]	Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
165	[40 CFR 61.]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
166	[40 CFR 63.102(a)]	Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
167	[40 CFR 63.103(b)(1)]	Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]
168	[40 CFR 63.103(b)(2)]	Submit Notification: Due at least 30 calendar days before a performance test is scheduled. Notify DEQ of the intention to conduct a performance test to allow DEQ the opportunity to have an observer present during the test. Subpart F. [40 CFR 63.103(b)(2)]
169	[40 CFR 63.103(b)(3)]	Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]
170	[40 CFR 63.103(b)(6)]	Conduct all required compliance demonstrations for flexible operation units during production of the primary product. Operate each control device, recovery device, and/or recapture device that is required or used for compliance, and associated monitoring systems, without regard for whether the product that is being produced is the primary product or a different product, except as otherwise specified in 40 CFR 63 Subparts F, G and H. Subpart F. [40 CFR 63.103(b)(6)]

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171	[40 CFR 63.103(c)(1)]	Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
172	[40 CFR 63.103(c)(2)]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
173	[40 CFR 63.103(c)]	Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
174	[40 CFR 63.104(b)]	Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)] Which Months: All Year Statistical Basis: None specified
175	[40 CFR 63.104(c)(3)]	Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
176	[40 CFR 63.104(c)]	Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
177	[40 CFR 63.104(d)]	Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
178	[40 CFR 63.104(f)]	Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]
179	[40 CFR 63.105(d)]	Maintenance wastewater: Incorporate the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(d)]
180	[40 CFR 63.105(e)]	Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]

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181	[40 CFR 63.105]	Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.105(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.105(b) as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure. Subpart F.
182	[40 CFR 63.112(a)]	Control emissions of organic HAP's to the level represented by the equation listed in 40 CFR 63.112(a). Subpart G. [40 CFR 63.112(a)]
183	[40 CFR 63.112(c)]	Demonstrate compliance with the emission standard in 40 CFR 63.112(a) by following the procedures specified in 40 CFR 63.112(e) for all emission points, or by following the emissions averaging compliance approach specified in 40 CFR 63.112(f) for some emission points and the procedures specified in 40 CFR 63.112(e) for all other emission points within the source. Subpart G. [40 CFR 63.112(c)]
184	[40 CFR 63.151(b)]	Submit Initial Notification: Due in writing within 120 calendar days after the date of promulgation of 40 CFR 63 Subpart G. Include the information specified in 40 CFR 63.151(b)(1)(i) through (b)(1)(v). Subpart G. [40 CFR 63.151(b)]
185	[40 CFR 63.152(b)]	Submit Notification of Compliance Status: Due within 150 calendar days after the compliance dates specified in 40 CFR 63.100. Include the information specified in 40 CFR 63.152(b)(1) through (b)(6), as applicable. Subpart G. [40 CFR 63.152(b)]
186	[40 CFR 63.152(c)]	Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]
187	[40 CFR 63.152(f)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]
188	[40 CFR 63.7935(a)]	Comply with the emission limitations (including operating limits) and the work practice standards in 40 CFR 63 Subpart GGGGG at all times, except during periods of startup, shutdown, and malfunction. Subpart GGGGG. [40 CFR 63.7935(a)]
189	[40 CFR 63.7935(b)]	Operate and maintain facility, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart GGGGG. [40 CFR 63.7935(b)]
190	[40 CFR 63.7935(c)]	Develop a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart GGGGG. [40 CFR 63.7935(c)]
191	[40 CFR 63.7935(g)]	Develop and make available for inspection by DEQ, upon request, a site-specific monitoring plan that addresses the information specified in 40 CFR 63.7935(g) and (h), for each monitoring system required in 40 CFR 63.7935. Subpart GGGGG. [40 CFR 63.7935(g)]
192	[40 CFR 63.7935(i)]	Operate and maintain the continuous monitoring system according to the site-specific monitoring plan. Subpart GGGGG. [40 CFR 63.7935(i)]
193	[40 CFR 63.7935(j)]	Conduct a performance evaluation of each continuous monitoring system according to the site-specific monitoring plan. Subpart GGGGG. [40 CFR 63.7935(j)]
194	[40 CFR 63.7936(a)]	Transfer the remediation material to a facility that meets the requirements in 40 CFR 63.7936(b). Record the name, street address, and telephone number of the facility where the remediation material is sent. Subpart GGGGG. [40 CFR 63.7936(a)]
195	[40 CFR 63.7936(b)(2)]	Obtain a written statement from the owner or operator of the facility to which remediation material is being sent acknowledging that the exemption under 40 CFR 63.680(b)(2)(iii) will be waived for all remediation material received at the facility from you and your material will be managed as an off-site material at the facility according to all applicable requirements prior to sending remediation material. Ensure that the statement is signed by the responsible official of the receiving facility, provides the name and address of the receiving facility, and that a copy is sent to the appropriate EPA Regional Office at the addresses listed in 40 CFR 63.13. Subpart GGGGG. [40 CFR 63.7936(b)(2)]

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196	[40 CFR 63.7936(b)(3)(i)]	Prepare and include a notice with each shipment or transport of remediation material from the site. Ensure that this notice states that the remediation material contains organic HAP that are to be treated according to the provisions of 40 CFR 63 Subpart GGGGG. When the transport is continuous or ongoing, submit the notice to the receiving facility owner or operator initially and whenever there is a change in the required treatment. Subpart GGGGG. [40 CFR 63.7936(b)(3)(i)]
197	[40 CFR 63.7936(b)(3)(ii)]	Do not transfer remediation material unless the owner or operator of the facility receiving your remediation material has submitted to the EPA a written certification that he or she will manage remediation material received from you according to the requirements of 40 CFR 63.7885 through 63.7957. Subpart GGGGG. [40 CFR 63.7936(b)(3)(ii)]
198	[40 CFR 63.7937(a)]	Demonstrate initial compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7937(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7937(a)]
199	[40 CFR 63.7938(a)]	Demonstrate continuous compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7938(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7938(a)]
200	[40 CFR 63.7950(a)]	Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), 63.8(f)(4) and (6), and 63.9(b) through (h), as specified in 40 CFR 63.7950. Subpart GGGGG. [40 CFR 63.7950(a)]
201	[40 CFR 63.7951(c)]	Submit immediate startup, shutdown, and malfunction report: Due according to the requirements of 40 CFR 63.10(d)(5)(ii) if there was a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with the startup, shutdown, and malfunction plan. Subpart GGGGG. [40 CFR 63.7951(c)]
202	[40 CFR 63.7951]	Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.7951(b)(1) through (b)(3) and, as applicable, (b)(4) through (b)(9). Subpart GGGGG.
203	[40 CFR 63.7952]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7952(a) through (d), as applicable. Subpart GGGGG.
204	[40 CFR 63.7953(a)]	Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Keep files of all information (including all reports and notifications) for 5 years following the date of each occurrence, measurement, maintenance, action taken to correct the cause of a deviation, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, correction action, report, or record, according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. Subpart GGGGG. [40 CFR 63.7953(a)]
205	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
206	[40 CFR 68.15(a)]	Develop a management system to oversee the implementation of the risk management program elements. [40 CFR 68.15(a)]
207	[40 CFR 68.15(b)]	Assign a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements. [40 CFR 68.15(b)]
208	[40 CFR 68.15(c)]	Define the lines of authority through an organization chart or similar document when responsibility for implementing individual requirements of 40 CFR 68 is assigned to persons other than the person identified under 68.15(b). [40 CFR 68.15(c)]
209	[40 CFR 68.15(c)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the names or positions of the people, other than the person identified under 68.15(b), who are assigned responsibility for implementing individual requirements of 40 CFR 68. [40 CFR 68.15(c)]
210	[40 CFR 68.155]	Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).

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211	[40 CFR 68.160]	Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
212	[40 CFR 68.165]	Submit in the RMP information the release scenarios specified in 68.165(a)(2). Include the data listed in 68.165(b)(1) through (13).
213	[40 CFR 68.168]	Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
214	[40 CFR 68.175]	Provide in the RMP the information indicated in 68.175(b) through (p).
215	[40 CFR 68.180]	Provide in the RMP the emergency response information listed in 68.180(a) through (c).
216	[40 CFR 68.185(b)]	Submit in the RMP a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete. [40 CFR 68.185(b)]
217	[40 CFR 68.190(c)]	Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
218	[40 CFR 68.190]	Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
219	[40 CFR 68.200]	Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
220	[40 CFR 68.22]	Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
221	[40 CFR 68.25]	Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
222	[40 CFR 68.28]	Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e).
223	[40 CFR 68.30]	Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
224	[40 CFR 68.33]	List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
225	[40 CFR 68.36(b)]	Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
226	[40 CFR 68.36]	Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
227	[40 CFR 68.39]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
228	[40 CFR 68.42]	Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
229	[40 CFR 68.65(a)]	Compile written process safety information, which includes information pertaining to the hazards of the regulated substances used or produced by the process, information pertaining to the technology of the process, and information pertaining to the equipment in the process, before conducting any process hazard analysis required by 40 CFR 68. [40 CFR 68.65(a)]

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230	[40 CFR 68.65(d)(2)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that equipment complies with recognized and generally accepted good engineering practices. [40 CFR 68.65(d)(2)]
231	[40 CFR 68.65(d)(3)]	Determine that existing equipment, designed and constructed in accordance with codes, standards, or practices that are no longer in general use, is designed, maintained, inspected, tested, and operating in a safe manner. [40 CFR 68.65(d)(3)]
232	[40 CFR 68.65(d)(3)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that existing equipment, designed and constructed in accordance with codes, standards, or practices that are no longer in general use, is designed, maintained, inspected, tested, and operating in a safe manner. [40 CFR 68.65(d)(3)]
233	[40 CFR 68.67(a)]	Determine the priority order for conducting process hazard analyses based on a rationale which includes such considerations as extent of the process hazards, number of potentially affected employees, age of the process, and operating history of the process. [40 CFR 68.67(a)]
234	[40 CFR 68.67(a)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the priority order for conducting process hazard analyses based on a rationale which includes such considerations as extent of the process hazards, number of potentially affected employees, age of the process, and operating history of the process. [40 CFR 68.67(a)]
235	[40 CFR 68.67(b)]	Use one or more of the methodologies in Sec. 68.67(b)(1) through (b)(7) to determine and evaluate the hazards of the process being analyzed. [40 CFR 68.67(b)]
236	[40 CFR 68.67(d)]	Use a team with expertise in engineering and process operations to perform the process hazard analysis. Include at least one employee who has experience and knowledge specific to the process being evaluated, and at least one employee who is knowledgeable in the specific process hazard analysis methodology being used. [40 CFR 68.67(d)]
237	[40 CFR 68.67(e)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the resolution of the recommendations of the team performing the process hazard analysis, and what actions are to be taken. [40 CFR 68.67(e)]
238	[40 CFR 68.67(e)]	Establish a system to promptly address the team's findings and recommendations; assure that the recommendations are resolved in a timely manner and that the resolution is documented; document what actions are to be taken; complete actions as soon as possible; develop a written schedule of when these actions are to be completed; communicate the actions to operating, maintenance and other employees whose work assignments are in the process and who may be affected by the recommendations or actions. [40 CFR 68.67(e)]
239	[40 CFR 68.67(f)]	Update and revalidate the process hazard analysis at least every five years after the completion of the initial process hazard analysis, to assure that the process hazard analysis is consistent with the current process. Use a team that meets the requirements in Sec. 68.67(d). [40 CFR 68.67(f)]
240	[40 CFR 68.67(g)]	Retain process hazards analyses and updates or revalidations for each process covered by this section, as well as the documented resolution of recommendations described in Sec. 68.67(e), for the life of the process. [40 CFR 68.67(g)]
241	[40 CFR 68.69(a)]	Develop and implement written operating procedures that provide clear instructions for safely conducting activities involved in each covered process consistent with the process safety information. Address steps for each operating phase, operating limits, safety and health considerations, and safety systems and their functions in the procedures. [40 CFR 68.69(a)]
242	[40 CFR 68.69(b)]	Make operating procedures readily accessible to employees who work in or maintain a process. [40 CFR 68.69(b)]
243	[40 CFR 68.69(c)]	Review operating procedures as often as necessary to assure that they reflect current operating practice, including changes that result from changes in process chemicals, technology, and equipment, and changes to stationary sources. Certify annually that these operating procedures are current and accurate. [40 CFR 68.69(c)]
244	[40 CFR 68.69(d)]	Develop and implement safe work practices to provide for the control of hazards during specific operations. [40 CFR 68.69(d)]

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245	[40 CFR 68.71(a)(1)]	Train each employee presently involved in operating a process, and each employee before being involved in operating a newly assigned process, in an overview of the process and in the operating procedures as specified in Sec. 68.69. Emphasize the specific safety and health hazards, emergency operations including shutdown, and safe work practices applicable to the employee's job tasks. [40 CFR 68.71(a)(1)]
246	[40 CFR 68.71(b)]	Provide refresher training at least every three years, and more often if necessary, to each employee involved in operating a process to assure that the employee understands and adheres to the current operating procedures of the process. [40 CFR 68.71(b)]
247	[40 CFR 68.71(c)]	Ascertain that each employee involved in operating a process has received and understood the training required by Sec. 68.71. [40 CFR 68.71(c)]
248	[40 CFR 68.71(c)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Prepare a record which contains the identity of the employee, the date of training required by 40 CFR 68.71, and the means used to verify that the employee understood the training. [40 CFR 68.71(c)]
249	[40 CFR 68.73(b)]	Establish and implement written procedures to maintain the ongoing integrity of process equipment listed in Sec. 68.73(a). [40 CFR 68.73(b)]
250	[40 CFR 68.73(c)]	Train each employee involved in maintaining the ongoing integrity of process equipment in an overview of that process and its hazards and in the procedures applicable to the employee's job tasks to assure that the employee can perform the job tasks in a safe manner. [40 CFR 68.73(c)]
251	[40 CFR 68.73(d)(4)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document each inspection and test that has been performed on process equipment. Maintain records of the information specified in Sec. 68.73(d)(4). [40 CFR 68.73(d)(4)]
252	[40 CFR 68.73(e)]	Correct deficiencies in equipment that are outside acceptable limits before further use or in a safe and timely manner when necessary means are taken to assure safe operation. [40 CFR 68.73(e)]
253	[40 CFR 68.73(f)]	Assure that equipment as it is fabricated is suitable for the process application for which it will be used, in the construction of new plants and equipment. Perform appropriate checks and inspections to assure that equipment is installed properly and consistent with design specifications and the manufacturer's instructions. Assure that maintenance materials, spare parts and equipment are suitable for the process application for which they will be used. [40 CFR 68.73(f)]
254	[40 CFR 68.75(c)]	Inform employees involved in operating a process, and maintenance and contract employees whose job tasks will be affected, of a change in the process and train them in the change, prior to start-up of the process or affected part of the process. [40 CFR 68.75(c)]
255	[40 CFR 68.75(d)]	Update the process safety information required by Sec. 68.65 if a change covered by 68.75 results in a change in the process safety information. [40 CFR 68.75(d)]
256	[40 CFR 68.75(e)]	Update the operating procedures or practices required by Sec. 68.69 if a change covered by 68.75 results in a change in the operating procedures or practices. [40 CFR 68.75(e)]
257	[40 CFR 68.75]	Establish and implement written procedures to manage changes to process chemicals, technology, equipment, and procedures; and, changes to stationary sources that affect a covered process. Assure that the considerations specified in Sec. 68.75(b)(1) through (b)(5) are addressed prior to any change.
258	[40 CFR 68.77]	Perform a pre-startup safety review for new stationary sources and for modified stationary sources when the modification is significant enough to require a change in the process safety information. Safety review must confirm the information specified in Sec. 68.77(b)(1) through (b)(4) prior to the introduction of regulated substances to a process.
259	[40 CFR 68.79(c)]	Develop a report of the findings of the compliance audit required by 40 CFR 68.79(a). [40 CFR 68.79(c)]
260	[40 CFR 68.79(d)]	Determine an appropriate response to each of the findings of the compliance audit. [40 CFR 68.79(d)]

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261	[40 CFR 68.79(d)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected. [40 CFR 68.79(d)]
262	[40 CFR 68.79(e)]	Retain the two (2) most recent compliance audit repots. [40 CFR 68.79(e)]
263	[40 CFR 68.79]	Conduct compliance audit: Due at least every three years. Certify compliance with the provisions of the prevention program to verify that procedures and practices developed under 40 CFR 68 are adequate and are being followed. Conduct compliance audit by at least one person knowledgeable in the process.
264	[40 CFR 68.81(c)]	Establish an incident investigation team consisting of at least one person knowledgeable in the process involved, including a contract employee if the incident involved work of the contractor, and other persons with appropriate knowledge and experience to thoroughly investigate and analyze the incident. [40 CFR 68.81(c)]
265	[40 CFR 68.81(e)]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Document resolutions and corrective actions of the incident report findings and recommendations. [40 CFR 68.81(e)]
266	[40 CFR 68.81(e)]	Establish a system to promptly address and resolve the incident report findings and recommendations. [40 CFR 68.81(e)]
267	[40 CFR 68.81]	Conduct incident investigation: Due as promptly as possible, but not later than 48 hours following each incident which resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance.
268	[40 CFR 68.81]	Prepare a report at the conclusion of the incident investigation which includes, at a minimum, the information specified in 40 CFR 68.81(d)(1) through (5). Review the report with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable. Retain the incident investigation reports for five years.
269	[40 CFR 68.83(a)]	Develop a written plan of action regarding the implementation of the employee participation required by 40 CFR 68. [40 CFR 68.83(a)]
270	[40 CFR 68.83(b)]	Consult with employees and their representatives on the conduct and development of process hazards analyses and on the development of the other elements of process safety management. [40 CFR 68.83(b)]
271	[40 CFR 68.83(c)]	Provide to employees and their representatives access to process hazard analyses and to all other information required to be developed under 40 CFR 68. [40 CFR 68.83(c)]
272	[40 CFR 68.85]	Issue a hot work permit for hot work operations conducted on or near a covered process. Document in the permit that the fire prevention and protection requirements in 29 CFR 1910.252(a) have been implemented prior to beginning the hot work operations; indicate the date(s) authorized for hot work; and identify the object on which hot work is to be performed. Keep permit on file until completion of the hot work operations.
273	[40 CFR 68.87(b)(1)]	Obtain and evaluate information regarding the contract owner or operator's safety performance and programs, when selecting a contractor. [40 CFR 68.87(b)(1)]
274	[40 CFR 68.87(b)(2)]	Inform contract owner or operator of the known potential fire, explosion, or toxic release hazards related to the contractor's work and the process. [40 CFR 68.87(b)(2)]
275	[40 CFR 68.87(b)(3)]	Explain to the contract owner or operator the applicable provisions of 40 CFR 68 Subpart E. [40 CFR 68.87(b)(3)]
276	[40 CFR 68.87(b)(4)]	Develop and implement safe work practices consistent with Sec. 68.69(d), to control the entrance, presence, and exit of the contract owner or operator and contract employees in covered process areas. [40 CFR 68.87(b)(4)]
277	[40 CFR 68.87(b)(5)]	Periodically evaluate the performance of the contract owner or operator in fulfilling their obligations as specified in 40 CFR 68.87(c). [40 CFR 68.87(b)(5)]

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278	[40 CFR 68.95(a)]	Develop and implement an emergency response program for the purpose of protecting public health and the environment. Include in the program the elements listed in 40 CFR 68.95(a)(1) through (4). [40 CFR 68.95(a)]
279	[40 CFR 68.95(c)]	Coordinate the emergency response plan developed under 68.95(a)(1) with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the local emergency planning committee or emergency response officials, promptly provide information necessary for developing and implementing the community emergency response plan. [40 CFR 68.95(c)]
280	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
281	[40 CFR 70.6(a)(3)(iii)(A)]	Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
282	[40 CFR 70.6(a)(3)(iii)(B)]	Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
283	[40 CFR 70.6(c)(5)(iv)]	Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
284	[40 CFR 82.Subpart F]	Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
285	[LAC 33:III.1103]	Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
286	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
287	[LAC 33:III.1303.B]	Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
288	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
289	[LAC 33:III.2113.A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
290	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
291	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

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292	[LAC 33:III.2901.F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
293	[LAC 33:III.5105.A.1]	Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC.33:III.Chapter 51.Subchapter A, after the effective date of the standard.
294	[LAC 33:III.5105.A.2]	Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.
295	[LAC 33:III.5105.A.3]	Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
296	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
297	[LAC 33:III.5107.A.2]	Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
298	[LAC 33:III.5107.A.3]	Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"
299	[LAC 33:III.5107.B.1]	Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a 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).
300	[LAC 33:III.5107.B.2]	Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
301	[LAC 33:III.5107.B.3]	Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923.
302	[LAC 33:III.5107.B.4]	Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
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UNF0002 UCC - MGE Plant

303	[LAC 33:III.5107.B.5]	Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
304	[LAC 33:III.5109.B.3]	Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
305	[LAC 33:III.5109.B]	Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
306	[LAC 33:III.5109.C]	Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
307	[LAC 33:III.5111.A.1]	Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source.
308	[LAC 33:III.5111.A.2.a]	Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.
309	[LAC 33:III.5111.A]	Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.
310	[LAC 33:III.5113.A.1]	Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
311	[LAC 33:III.5113.A.2]	Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
312	[LAC 33:III.5113.B.1]	Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
313	[LAC 33:III.5113.B.3]	Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
314	[LAC 33:III.5113.B.4]	Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.
315	[LAC 33:III.5113.B.5]	Analyze samples and determine emissions within 30 days after each emission test has been completed.
316	[LAC 33:III.5113.B.5]	Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
317	[LAC 33:III.5113.B.6]	Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
318	[LAC 33:III.5113.B.7]	Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.

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UNF0002 UCC - MGE Plant

319	[LAC 33:III.5113.C.1]	Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
320	[LAC 33:III.5113.C.2]	Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
321	[LAC 33:III.5113.C.2]	Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.
322	[LAC 33:III.5113.C.2]	Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation.
323	[LAC 33:III.5113.C.3]	Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
324	[LAC 33:III.5113.C.5.a]	Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
325	[LAC 33:III.5113.C.5.a]	Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
326	[LAC 33:III.5113.C.5.d]	Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
327	[LAC 33:III.5113.C.5.e]	Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
328	[LAC 33:III.5113.C.5]	Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
329	[LAC 33:III.5113.C.7]	Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
330	[LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
331	[LAC 33:III.5609.A.1.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
332	[LAC 33:III.5609.A.2.b]	Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
333	[LAC 33:III.5609.A.3.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
334	[LAC 33:III.5609.A]	Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
335	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.

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336	[LAC 33:III.5907]	Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
337	[LAC 33:III.5911.C]	Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
338	[LAC 33:III.919.D]	Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
339	[LAC 33:III.927]	Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.

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INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
UCC - MGE Plant						
EQT0052	42 - Tank 3366 Vent	30457 gallons	3000 gallons/hr	636132 gallons/yr	Glycol Ethers	8760 hr/yr (All Year)
EQT0830	43 - Tank 3373 Vent	16705 gallons	1500 gallons/hr	10.86 MM gallons/yr	Glycol Ethers	8760 hr/yr (All Year)
EQT0831	44 - Tank 3374 Vent	16705 gallons	1500 gallons/hr	10.86 MM gallons/yr	Glycol Ethers	8760 hr/yr (All Year)
EQT0832	49 - Tank 3380 Vent	10101 gallons	15000 gallons/hr	112481 gallons/yr	Catalyst	8760 hr/yr (All Year)
EQT0833	4000 - Process Tank-MK4-111 Vent		3215 scf/hr	6 scf/hr	Methanol	8760 hr/yr (All Year)
EQT0834	Reactor - MK4-E101R					8760 hr/yr (All Year)
EQT0835	46E - Tank 108 Vent (Surge Control Vessel)		2228 scf/hr	6 scf/hr	Glycol Ethers/Methanol Mixture	8760 hr/yr (All Year)
EQT0836	HES - Heat Exchange System					8760 hr/yr (All Year)
EQT0837	PWW - Process Wastewater					8760 hr/yr (All Year)
EQT0838	MWW - Maintenance Wastewater					8760 hr/yr (All Year)
EQT0839	UA - Unloading Activities					8760 hr/yr (All Year)
EQT0841	4001 - Tank MK4-C222 Hotwell Vent	80 gallons		784965 gallons/yr	hotwell	8760 hr/yr (All Year)
FUG0018	196K - Fugitive Emissions					8760 hr/yr (All Year)
RLP0090	40 - MGE Vacuum Jet MK4-H217 Vent					8760 hr/yr (All Year)
RLP0091	46D - Column MK4-C102 Vent		55745 scf/hr	16 scf/hr		8760 hr/yr (All Year)
RLP0094	Column - MK4-C201					8760 hr/yr (All Year)
RLP0095	Column - MK4-C206					8760 hr/yr (All Year)
RLP0096	Column - MK4-C211					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
UCC - MGE Plant							
EQT0052	42 - Tank 3366 Vent			.5		18	70.4
EQT0830	43 - Tank 3373 Vent			1.67		23	70.4
EQT0831	44 - Tank 3374 Vent			1.67		23	70.4
EQT0832	49 - Tank 3380 Vent			.5		15	70.4
EQT0833	4000 - Process Tank-MK4-111 Vent	.3	.1	.08		.25	108
EQT0835	46E - Tank 108 Vent (Surge Control Vessel)	.3	.1	.08		.5	110
EQT0841	4001 - Tank MK4-C222 Hotwell Vent			.08		.25	70.4
RLP0090	40 - MGE Vacuum Jet MK4-H217 Vent	141	103.5	.13		50	211
RLP0091	46D - Column MK4-C102 Vent	.2	.3	.17		70	95

Relationships:

ID	Description	Relationship	ID	Description
EQT0834	Reactor MK4-E101R	Vents to, (Routed)	RLP0091	46D-Distillation Column MK4-C102 Vent
RLP0094	Column MK4-C201	Vents to, (Routed)	RLP0090	40-MGE Vacuum Jet MK4-H217 Vent
RLP0095	Column MK4-C206	Vents to, (Routed)	RLP0090	40-MGE Vacuum Jet MK4-H217 Vent

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INVENTORIES

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Relationships:

ID	Description	Relationship	ID	Description
RLP0096	Column MK4-C211	Vents to, (Routed)	RLP0090	40-MGE Vacuum Jet MK4-H217 Vent

Subject Item Groups:

ID	Group Type	Group Description
UNF0002	Unit or Facility Wide	MGE Plant - MGE Plant
UNF0004	Unit or Facility Wide	Facility Wide - Facility Wide

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0630	Organic Oxides, Alcohols, Glycols (Rated Capacity)	151	MM Lb/Yr

SIC Codes:

2869	Industrial organic chemicals, nec	AI2083

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
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	VOC		
Subject Item	**Avg lb/hr**	**Max lb/hr**	**Tons/Year**
UCC - MGE Plant			
EQT 0052 42	0.02	0.18	0.07
EQT 0830 43	0.004	0.01	0.02
EQT 0831 44	0.004	0.01	0.02
EQT 0832 49	0.03	5.85	0.15
EQT 0833 4000	0.10	55.82	0.46
EQT 0835 46E	0.05	20.07	0.24
EQT 0841 4001	<0.001	<0.001	<0.01
FUG 0018 196K	0.80	0.80	3.52
RLP 0090 40	0.01	0.02	0.06
RLP 0091 46D	0.21	730.34	0.93

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0052 42	Ethylene glycol	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.1)	0.01	0.14	0.06
	Glycol ethers (Table 51.3)	0.001	0.01	< 0.01
	Methanol	0.002	0.03	0.01
EQT 0830 43	Ethylene glycol	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.1)	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.3)	0.004	0.01	0.02
	Methanol	< 0.001	< 0.001	< 0.01
EQT 0831 44	Ethylene glycol	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.1)	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.3)	0.004	0.01	0.02
	Methanol	< 0.001	< 0.001	< 0.01
EQT 0832 49	Methanol	0.03	5.85	0.15
EQT 0833 4000	Methanol	0.10	55.82	0.46
EQT 0835 46E	Glycol ethers (Table 51.1)	0.01	2.73	0.03
	Glycol ethers (Table 51.3)	< 0.001	0.03	< 0.01
	Methanol	0.05	17.31	0.20
EQT 0841 4001	Glycol ethers (Table 51.1)	< 0.001	< 0.001	< 0.01
	Glycol ethers (Table 51.3)	< 0.001	< 0.001	< 0.01
	Methanol	< 0.001	< 0.001	< 0.01
FUG 0018 196K	Ethylene glycol	0.001	0.001	< 0.01
	Ethylene oxide	0.002	0.002	0.009
	Glycol ethers (Table 51.1)	0.13	0.13	0.55
	Glycol ethers (Table 51.3)	0.37	0.37	1.61
	Methanol	0.04	0.04	0.20
RLP 0090 40	1,4-Dioxane	0.001	0.003	0.01
	Acetaldehyde	0.003	0.01	0.01
	Ethylene glycol	0.004	0.01	0.02
	Ethylene oxide	0.004	0.008	0.018
	Glycol ethers (Table 51.1)	< 0.001	0.001	< 0.01
RLP 0091 46D	Ethylene oxide	0.003	11.90	0.015
	Glycol ethers (Table 51.1)	0.01	36.79	0.05
	Methanol	0.20	681.65	0.86

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
Permit Number: 2814-V1
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Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

General Information

AI ID: 2083 Union Carbide Corp - St Charles Operations
Activity Number: PER20070014
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Also Known As:

ID	Name	User Group	Start Date
2520-00001	Union Carbide Corp - Taft Star Plant	CDS Number	08-05-2002
13-1421730	Federal Tax ID	Federal Tax ID	11-21-1999
LAD041581422	Union Carbide Corp SCO Taft/Star	Hazardous Waste Notification	08-18-1980
PMT/PC	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
LAD041581422	Union Carbide	Inactive & Abandoned Sites	06-08-1981
LA0000191	LPDES #	LPDES Permit #	05-22-2003
LAR10C313	LPDES #	LPDES Permit #	12-12-2004
LAR10C447	LPDES #	LPDES Permit #	12-12-2004
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-2163-L01	Radioactive Material License	Radiation License Number	07-06-2001
2163	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-089-1324	Site ID #	Solid Waste Facility No.	04-30-2001
17809	Union Carbide Chemicals & Plastics	TEMPO Merge	10-17-2001
19135	Dow Union Carbide - St Charles Operations	TEMPO Merge	06-30-2002
34610	Union Carbide Corp - Hahnville Plant	TEMPO Merge	10-17-2001
35033	Union Carbide Corp - Star Plant	TEMPO Merge	07-15-2001
3832	Union Carbide Corp	TEMPO Merge	11-01-2000
38779	Union Carbide Corp	TEMPO Merge	07-15-2001
38780	Union Carbide Corp	TEMPO Merge	07-15-2001
38882	Union Carbide Corp	TEMPO Merge	07-15-2001
44903	Union Carbide Corp Taft Plant	TEMPO Merge	07-22-2001
45881	Union Carbide Chemical & Plastics	TEMPO Merge	07-22-2001
8533	Union Carbide	TEMPO Merge	09-05-2001
89428	Dow Chemical	TEMPO Merge	11-07-2001
9651	Union Carbide Star	TEMPO Merge	10-17-2001
70057NNCRBHWY31	TRI #	Toxic Release Inventory	07-30-2004
45011610	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002

Physical Location: 355 Hwy 3142 Gate 28
Taft, LA 70057

Main Phone: 9857834411

Mailing Address: PO Box 50
Hahnville, LA 700570050

Location of Front Gate: 29° 58' 56" 24 hundredths latitude, 90° 27' 20" 24 hundredths longitude, Coordinate Method: Address Matching-Other, Coordinate Datum: NAD83

TPOR0148

General Information

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Related People:

Name	Mailing Address	Phone (Type)	Relationship
Tim Brady	PO Box 50 Hahnville, LA 700570050	BRADYTD@DOW.C	Emission Inventory Contact for
Tim Brady	PO Box 50 Hahnville, LA 700570050	9857834813 (WP)	Emission Inventory Contact for
Responsible Care Leader	PO Box 50 Hahnville, LA 700570050	9857834411 (WP)	Responsible Official for
Responsible Care Leader	PO Box 50 Hahnville, LA 700570050	9857834411 (WP)	Air Permit Contact For
Barry Minnich		9856333446 (WP)	Katrina Response Contact for
Steve Robinson	PO Box 50 Hahnville, LA 700570050	9857834642 (WP)	Radiation Safety Officer for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Owns
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Operates
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Accident Prevention Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Solid Waste Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Air Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Radiation Registration Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Radiation License Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		Water Billing Party for
Union Carbide Corp	PO Box 50 Hahnville, LA 700570050		UST Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	**Union Carbide Corp.**	**AI #:**	**2083**	**TEMPO Activity No:**	**20070014**
Facility Name:	**MGE Plant**	**Remarks Submitted by:**	**Anny Mosher**		
Permit Writer:	**LND**	**Permit Writer Email address:**	**lourdes.dugas@la.gov**		

Instructions

Permit Reference – Indicate specific portion(s) of the permit to which the remark relates (i.e. "Specific Condition 120", or "Section II Air Permits Briefing Sheet", etc.).

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

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

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

Permit Reference	Remarks	Air Permits Division Response (for official use only)
Air Permit Briefing Sheet (all pages)	Replace "Part 70 Specific Conditions" header at top of page as follows: AIR PERMIT BRIEFING SHEET AIR PERMITS DIVISION LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY	Air Permit Briefing Sheet has been updated.
Air Permit Briefing Sheet I. Background (Page 1)	Revise text as follows: "Union Carbide Corporation (UCC), a subsidiary of the Dow Chemical Company, operates the St. Charles Operations' Methyl Glycol Ethers (MGE) Plant, an existing chemical manufacturing facility that began operation prior to 1969. The plant is currently operating under Part 70 Operating Permit 2814-V0 issued October 31, 2002. This is the Part 70 operating permit renewal for the MGE Plant."	Air Permit Briefing Sheet has been updated.
Air Permit Briefing Sheet III. Description (Page 1)	Revise text as follows: "Ethylene oxide, methanol and glycol ethers are reacted together at the Methyl Glycol Ethers (MGE) Plant to produce..."	Air Permit Briefing Sheet has been updated.
Air Permit Briefing Sheet III. Description (Page 2)	Insert a bullet before "The Notification of Case-By-Case Insignificant Activity dated September 26, 2003 has been incorporated into this application."	Air Permit Briefing Sheet has been updated.

Permit Reference	Remarks	Air Permits Division Response (for official use only)
Air Permit Briefing Sheet III. Description (Page 2)	Revise estimated emissions per: • Comments listed below for Emission Rates for Criteria Pollutants and Emission Rates for TAP/HAP & Other Pollutants and • Additional information dated October 3, 2007 that was submitted to LDEQ.	Air Permit Briefing Sheet has been updated.
Part 70 Specific Condition (Page 5)	Delete this Part 70 Specific Condition since it duplicates Specific Requirement #135 or revise text as follows: "c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively..." (refer to Exhibit C in the permit application dated April 2007). In the table under Overall Most Stringent Program, revise text as follows: "40 CFR Part 63 Subpart H."	Part 70 Specific Condition has been updated.
X. Table 1. Applicable Louisiana and Federal Air Quality Requirements (Page 6)	• Split UNF002 "UCC-MGE Plant" into two where one is for "Facility - St. Charles Operations" requirements and the other is for "MGE Plant" requirements (refer to Tables 1-3 in the Application section of permit application dated April 2007). Some requirements are managed at a facility/site level (such as LAC 33:III.2113) while others are specific to the MGE Plant (such as HON Subparts F and G). • For EQT834, delete "1" under LAC 33:III.2115 and LAC 33:III.Chapter 51. • For RLP094, add "1" under LAC 33:III.Chapter 51. • For RLP095, add "1" under LAC 33:III.Chapter 51.	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Table 1 has been updated.
X. Table 1. Applicable Louisiana and Federal Air Quality Requirements (Page 8)	• For EQT834, delete "2" under 40 CFR 60 NSPS NNN, add "2" under 40 CFR 60 NSPS RRR, delete "1" under 40 CFR 63 NESHAP F, and delete "1" under 40 CFR 63 NESHAP G. • For EQT835, change "3" to "2" under 40 CFR 63 NESHAP H.	Table 1 has been updated.
XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source (Page 11)	For EQT833: • Revise text for NESHAP Part 63 Subpart G as follows: "DOES NOT APPLY. Hotwell does not receive a gaseous stream. It receives a liquid stream. Therefore, it does not meet the definition of process vent per 40 CFR 63.107(f)." • Delete reference to LAC 33:III.2103 since it is not used to store or handle volatile organic compounds. The Hotwell is essential to maintaining the vacuum for the distillation columns so it is serving a useful process purpose. • Add "Waste Gas Disposal [LAC 33:III.2115] EXEMPT rrr."	• Text for NESHAP Part 63 Subpart G has been updated. • Reference to LAC 33:III.2103 can not be removed, typically this type of equipment has LAC 33:III.2103 applicability, but in this situation, the regulation does not apply because of size or because it is not storing or handling volatile organic compounds. • Updated EQT833 to include record keeping and recording due to exemption. (Note: the Tables 1 and 2 from the word document incorrectly displayed IDs for 4001-Tank MK4-C222 Hotwell Vent and 4000-Process Tank MK4-111 Vent as EQT833, and RLP93. The correct values are EQT841 and EQT833 respectively, as displayed in the inventories Section report.

Deleted: G

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source (Page 12)	• For RLP090 and RLP091, add "Waste Gas Disposal [LAC 33:III.2115] EXEMPT per LAC 33:III.2115.H.1.c. VOC emissions less than or equal to 100 lb/24 hrs." • For Process Wastewater, correct typo in regulatory citation as follows: [LAC 33:III.2153.B]	• During continued review of the proposed permit, it was brought to my attention that if the source is complying with MACT as required by LAC 33:III Chapter 51, then 2115 does not apply. • Table 2 has been updated.
Specific Requirement #1 (Page 1 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #3 (Page 1 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #5 (Page 1 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #7 (Page 1 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #19 (Page 2 of 27)	Correct typo in regulatory citation as follows: [LAC 33:III.2103]	Requirement has been updated.
Specific Requirement #20 (Page 2 of 27)	Revise text as follows: "Heat exchange systems (cooling water): Unless one or more of the conditions specified in 40 CFR 63.104(a)(1) through (a)(6) are met, HAP monitored by the regulation's specified method(s)..."	Requirement has been updated.
Specific Requirement #28 (Page 3 of 27)	Delete requirement since it does not apply. MGE Plant has HON Group 2 wastewater streams (refer to Table 2 in the Application section of permit application dated April 2007).	Requirement has been updated.
Specific Requirement #30 (Page 3 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #33 (Page 3 of 27)	Revise text as follows: "...Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #37 (Page 4 of 27)	Add text as follows: "...Subpart EEEE. UCC has opted into the Louisiana Fugitive Emissions Program Consolidation as described under Emission Point FUG018 Fugitive Emissions. [40 CFR 63.2346(c)]	Requirement has been updated.
Specific Requirement #39 (Page 4 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #55 (Page 5 of 27)	Delete requirement since UCC is not an "unmanned plant site."	Requirement has been updated.
Specific Requirement #109 (Page 11 of 27)	Delete requirement since UCC is not an "unmanned plant site."	Requirement has been updated.
Specific Requirement #130 (Page 13 of 27)	Delete requirement since MGE Plant is an existing source.	Requirement has been updated.
Specific Requirement #131 (Page 13 of 27)	Delete requirement since MGE Plant is an existing source.	Requirement has been updated.
Specific Requirement #135 (Page 13 of 27)	Revise regulatory citation to LAC 33:III.501.C.6.	Requirement has been updated.
Specific Requirement #139 (Page 13 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
Specific Requirement #140 (Page 13 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #141 (Page 13 of 27)	Add text as follows: "Submit report: Due within 180 calendar days after a process change or as part of the next periodic report..."	No. The requirement is adequate as is.
Specific Requirement #142 (Page 13 of 27)	Add text as follows: "Submit report: Due within 180 calendar days after a process change or as part of the next periodic report..."	No. The requirement is adequate as is.
Specific Requirement #143 (Page 13 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #147 (Page 14 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #148 (Page 14 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #149 (Page 14 of 27)	Add text as follows: "Submit report: Due within 180 calendar days after a process change or as part of the next periodic report..."	No. The requirement is adequate as is.
Specific Requirement #150 (Page 14 of 27)	Add text as follows: "Submit report: Due within 180 calendar days after a process change or as part of the next periodic report..."	No. The requirement is adequate as is.
Specific Requirement #151 (Page 14 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #153 (Page 14 of 27)	Delete requirement since no NSPS apply to MGE Plant or move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007).	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Requirement moved to UNF004 Facility Wide.
Specific Requirements #154 and 155 (Page 14 of 27)	Move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007).	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Requirement moved to UNF004 Facility Wide.
Specific Requirement #156 (Page 14 of 27)	Delete this requirement. UCC did not submit a waiver application under 40 CFR §61.342(b)(1) since no extension was needed.	Requirement has been updated.
Specific Requirements #157 through 165 (Page 15 of 27)	Move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007).	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Requirement moved to UNF004 Facility Wide.
Specific Requirement #158 (Page 15 of 27)	Add comment "MGE Plant does not generate waste streams containing benzene" to end of Specific Requirement #158.	Requirement has been updated.
Specific Requirement #166 (Page 15 of 27)	Revise text as follows: "Comply with the applicable requirements of..."	Requirement has been updated.
Specific Requirement #172 (Page 16 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirements #174 through 178 (Page 16 of 27)	Delete requirements since they duplicate the requirements for EQT0836 Heat Exchange System on page 2 of 27.	Requirements have been removed.
Specific Requirements #179 through 181 (Pages 16-17 of 27)	Delete requirements since they duplicate the requirements for EQT0838 Maintenance Wastewater on page 3 of 27.	Requirements have been removed.
Specific Requirement #182 (Page 17 of 27)	Delete requirement since MGE Plant is not using the emissions averaging provisions of 40 CFR Part 63 Subpart G.	Requirement has been removed.

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
Specific Requirement #183 (Page 17 of 27)	Delete requirement since MGE Plant is not using the emissions averaging provisions of 40 CFR Part 63 Subpart G.	Requirement has been updated to include 40 CFR 63.112(e) instead.
Specific Requirement #187 (Page 17 of 27)	Revise text as follows: "Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7) as applicable..."	Requirement has been updated
Specific Requirements #188 through 204 (Pages 17-18 of 27)	Replace requirements with the following and move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007): • "Comply with applicable requirements of this subpart for site remediation as defined in 40 CFR 63.7957 unless it is exempted under 40 CFR 63.7881(b) or (c). Subpart GGGGG. [40 CFR 63.7881]"	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Requirement moved to UNF004 Facility Wide.
Specific Requirements #206 through 279 (Pages 18-23 of 27)	Move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007).	Created UNF004 to cover the facility wide requirements. UNF002 will cover the MGE Plant requirements. Requirement moved to UNF004 Facility Wide.
Specific Requirement #209 (Page 18 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #218 (Page 19 of 27)	Delete text as follows: "...central point specified by EPA ~~prior to June 21, 1999~~."	Requirement has been updated.
Specific Requirement #227 (Page 19 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #230 (Page 20 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #232 (Page 20 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #234 (Page 20 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #237 (Page 20 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #248 (Page 21 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #251 (Page 21 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #261 (Page 22 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #262 (Page 22 of 27)	Correct typo as follows: "...compliance audit reports..."	Requirement has been updated.
Specific Requirement #265 (Page 22 of 27)	Revise text as follows: "Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency..."	Requirement has been updated.
Specific Requirement #267 (Page 22 of 27)	Revise text as follows: "Conduct incident investigation: Initiate incident investigation as promptly as possible, but not later than 48 hours..."	Requirement has been updated.
Specific Requirements #284 through 339 (Pages 23-27 of 27)	Move to new section for requirements that apply to "Facility - St. Charles Operations" (refer to Tables 1-3 in the Application section of permit application dated April 2007).	Requirement has been updated.

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
Specific Requirement #284 (Page 23 of 27)	Revise text as follows: "Comply with the applicable standards..."	Requirement has been updated.
Specific Requirement #335 (Page 26 of 27)	Revise text as follows: "Comply with the applicable provisions..."	Requirement has been updated.
Emission Rates for Criteria Pollutants (Page 1 of 1) and Emission Rates for TAP/HAP & Other Pollutants (Pages 1 of 2 and 2 of 2)	Revise the number of decimal places for the emission rates in accordance with: • Pages 21-22 of the Air Permit Data Upload (APDU) Process User Manual (Version: 2.0). • Pages 15-16 of LOUISIANA Application for Approval of Emissions of Air Pollutants from Part 70 Sources dated 6/6/07 Both of these documents state: • Non-TAPs (e.g., criteria pollutants such as NOx): "For these pollutants, no useable information is provided with numerous decimal places. In general, and despite the discussion above, it will be acceptable for these pollutants to be shown with two decimal places for emission rates greater than one lb/hr or TPY. For lb/hr emission rates less than one, report to the nearest hundredth of a lb/hr. For TPY emission rates less than one, report to the nearest hundredth." • Toxic Air Pollutants (TAPs): "The annual emission rate in tons per year should generally be listed to two (2) decimal places according to the guidance above, with the following exceptions...all other TAPs that have an MER of 50 lbs/year or less shall be rounded to three decimal places." Revise emission rates per additional information dated October 3, 2007 that was submitted to LDEQ. For example, the emission rates for EQT0052 are as follows: • Avg lb/hr = 0.02 • Tons/Year = 0.07	I have reviewed the additional information and corrected the emissions to the new values.

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
Inventories (Page 1 of 2)	Under Subject Item Inventory: • For EQT0830, revise Normal Operating Rate to 10.86 MMgal/yr • For EQT0831, revise Normal Operating Rate to 10.86 MMgal/yr • For EQT0833, delete value under Tank Volume, add 3,215 scf/hr under Max. Operating Rate and add 6 scf/hr under Normal Operating Rate • For EQT0835, change Contents to Glycol Ethers/Methanol Mixture Note: Based on additional information dated October 3, 2007 that was submitted to LDEQ. Under Stack Information: • For EQT0833, add 0.3 ft/sec under Velocity, add 0.1 cubic ft/min-actual under Flow Rate, and revise Temperature to 108 • For EQT0835, revise Velocity to 0.3 ft/sec, Flow Rate to 0.1 cubic ft/min-actual, and Temperature to 110 • For RLP0090, revise Velocity to 141 ft/sec and Flow Rate to 103.5 cubic ft/min-actual • For RLP0091, revise Velocity to 0.2 ft/sec, Flow Rate to 0.3 cubic ft/min-actual, Diameter to 0.17, and Temperature to 95 Note: Based on additional information dated October 3, 2007 that was submitted to LDEQ. Under Relationships: • For RLP0094, revise text as follows: "Vents to (Routed)"	Inventories Section has been updated.
Inventories (Page 1 of 2)	Under Relationships: • For RLP0095, revise text as follows: "Vents to (Routed)" • For RLP0096, revise text as follows: "Vents to (Routed)"	Inventories Section has been updated.
STATEMENT OF BASIS II. Facility and Current Permit Status (Page 1)	Revise text as follows: "Ethylene oxide, methanol and glycol ethers are reacted together at the Methyl Glycol Ethers (MGE) Plant to produce..."	Statement of Basis has been updated.
STATEMENT OF BASIS II. Facility and Current Permit Status (Page 2)	Refer to Appendix for proposed revisions to list of permits	Statement of Basis has been updated.
STATEMENT OF BASIS III. Proposed Project/Permit Information (Page 3)	Under Project, insert a bullet before "The Notification of Case-By-Case Insignificant Activity dated September 26, 2003 has been incorporated into this application."	Statement of Basis has been updated.
STATEMENT OF BASIS III. Proposed Project/Permit Information (Page 4)	Under Permitted Air Emissions, revise estimated emissions per: • Comments listed below for Emission Rates for Criteria Pollutants and Emission Rates for TAP/HAP & Other Pollutants and • Additional information dated October 3, 2007 that was submitted to LDEQ.	Statement of Basis has been updated.

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Permit Reference	Remarks	Air Permits Division Response (for official use only)
STATEMENT OF BASIS VI. Periodic Monitoring (Page 5)	Revise text as follows: "...will be periodically monitored per 40 CFR 63 Subpart H."	Statement of Basis has been updated.

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Appendix

Permit No.	Unit or Source	Date Issued
1909-V1	Higher Glycols Plant	6/18/2007
513-V2	Acrylics I	6/15/2007
2814-V0	Methyl Glycol Ethers (MGE)	10/31/2002*
1912-V0	Specialty Products Unit	3/12/2003
2350-V3	LP-3 Unit	12/30/2003
2858-V0	PXC Unit	7/8/2004
2422-V1	Olefins I & II	9/30/2004
2343-V0	Energy Systems	6/27/2005
2421-V0	Amines Plants	11/10/2005
2104-V1	Environmental Protection Dept. (EPD)	2/16/2006
2656-V0	Olefins Distribution/Site Logistics Units	3/13/2006
2214-V0	LP-6	3/27/2006
2446-V1	Unit 8 (EXP)	7/3/2007
373-V1	Oxide II	7/5/2007
477-V0	Unit 5 (Amines I)	6/8/2006
2254-V0	Acrylics 2	7/20/2007
2876-V1	Unit 9	8/10/2006
476-V1	Oxide I	1/30/2007
2257-V4	TB1 and TB2 Units	10/9/2007

* Timely renewal submitted.