BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20090011
Agency Interest No. 1137

Mr. Victor Pisani
Plant Manager
266 Hwy 3142
Hahnville, LA 70057

RE: Part 70 Operating Permit
Occidental Chemical Corp – Taft Cogeneration Plant
Hahnville, St. Charles Parish, Louisiana

Dear Mr. Pisani:

This is to inform you that the permit renewal and modification 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 _____, 2015, 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.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010.

Permit No.: 2598-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:dcd
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
OCCIDENTAL CHEMICAL CORPORATION - TAFT COGENERATION PLANT
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL AND MODIFICATION
PSD PERMIT MINOR MODIFICATION, CLEAN AIR INTERSTATE RULE (CAIR) INITIAL PERMIT AND ACID RAIN PERMIT RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 Air Operating Permit Renewal and Modification, PSD Permit Minor Modification, Clean Air Interstate Rule (CAIR) Initial Permit and Acid Rain Permit Renewal for Occidental Chemical Corporation, P.O. Box 74, Hahnville, LA 70057-0074 for the Taft Cogeneration Plant. **The facility is located at 266 Hwy 3142, Hahnville, St. Charles Parish.**

Occidental Chemical Corporation utilizes three 170 MW (nominally rated) GE gas turbines which are fired with natural gas to drive electrical generators. Hot exhaust gases from each turbine is routed to a 355 MM BTU/hr duct burner, which can be fired with either hydrogen from the Chlor-Alkali Facility and/or natural gas. Heat from each turbine/duct burner flue gases is recovered in a heat recovery steam generator (HRSG). Steam from three HRSG is used to drive a 325 MW steam turbine. A small portion of the flue gas and steam is routed to the carbonation tower where carbon dioxide in the flue gas reacts with chlor-alkali cell liquor from the Chlor-Alkali Facility to produce sodium carbonate solution.

Occidental Chemical Corporation requested to:

- Incorporate stack test results for the Carbonation Tower (EQT 6) into the permit;
- Update the stack test parameters for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3)
- Revise emissions based on updated emission factors; and
- Update startup and shutdown emissions for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3).

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	308.37	312.58	+ 4.21
SO_2	17.67	17.68	+ 0.01
NO_X	1463.14	1463.14	-
CO	1817.63	1817.63	-
VOC	98.46	98.58	+ 0.12
Formaldehyde	5.92	5.94	+ 0.02
Chlorine	0.26	0.12	- 0.14
Sulfuric Acid	1.77	1.78	+ 0.01

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received**

by 12:30 p.m., Thursday, June 3, 2010. Written comments will be considered prior to a final permit decision.

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

The permit applications, Proposed Part 70 Air Operating Permit, Acid Rain Permit, Initial CAIR Permit, PSD Permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov**.

An additional copy may be reviewed at the St. Charles Parish Library, East Regional Branch, 100 River Oaks Drive, Destrehan, LA 70047.

Inquiries or requests for additional information regarding this permit action should be directed to Dustin Duhon, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3114.

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

Permit public notices including electronic access to the proposed permits and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1137:

Permit Number 2598-V-2	**PER20090011**
Permit Number PSD-LA-633 (M-2)	**PER20090014**
Permit Number 2598-IRO	**PER20070009**
Permit Number 2598-IV2	**PER20090012**

Scheduled Publication Date: April 29, 2010

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

I. Background

Occidental Chemical Corporation's Taft Cogeneration Facility began operation in 2002. Currently the facility operates under Part 70 Operating Permit 2598-V1, issued March 16, 2006; Acid Rain Permit 2598-IV1, issued August 18, 2006; and PSD-LA-633(M-1), dated February 18, 2005.

This is the Part 70 operating permit renewal and modification for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Occidental Chemical Corp on August 12, 2009, requesting a Part 70 operating permit renewal and modification. Additional information dated September 15, 2009, was also received.

III. Description

The facility utilizes three 170 MW (nominally rated) GE gas turbines which are fired with natural gas to drive electrical generators. Hot exhaust gases from each turbine is routed to a 355 MM BTU/hr duct burner, which can be fired with either hydrogen from the Chlor-Alkali Facility and/or natural gas. Heat from each turbine/duct burner flue gases is recovered in a heat recovery steam generator (HRSG). Steam from three HRSG is used to drive a 325 MW steam turbine. A small portion of the flue gas and steam is routed to the carbonation tower where carbon dioxide in the flue gas reacts with chlor-alkali cell liquor from the Chlor-Alkali Facility to produce sodium carbonate solution.

With this renewal and modification, Occidental Chemical Corp proposes to:

- Incorporate stack test results for the Carbonation Tower (EQT 6) into the permit;
- Update the stack test parameters for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3)
- Revise emissions based on updated emission factors; and
- Update startup and shutdown emissions for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3).

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	308.37	312.58	+ 4.21
SO_2	17.67	17.68	+ 0.01
NO_X	1463.14	1463.14	-
CO	1817.63	1817.63	-
VOC *	98.46	98.58	+ 0.12

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

Pollutant	Before	After	Change
Formaldehyde*	5.92	5.94	+ 0.02
Chlorine	0.26	0.12	- 0.14
Sulfuric Acid	1.77	1.78	+ 0.01
Total	7.95	7.84	- 0.11

Other VOC (TPY): 92.64

IV. Type of Review

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

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

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 **<date>**, 200X; and in the <local paper>, <local town>, on **<date>**, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Capacity (Gallons)	Citation LAC 33:III.501.B.5.
10-K-101	Lube Oil System for Turbine	6200	A.3
10-K-201	Lube Oil System for Turbine	6200	A.3
10-K-301	Lube Oil System for Turbine	6200	A.3
30-K-001a	Lube Oil System for Steam Turbine	4400	A.3
30-K-001b	Hydraulic System for Steam Turbine	400	A.3
54-C-03	93% Sulfuric Acid Storage Tank	6000	A.3
-	Scale Inhibitor Bulk Storage Tank	905	B.8
-	Corrosion Inhibitor Bulk Storage Tank	1950	B.8

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

ID No.:	Description	Capacity (Gallons)	Citation LAC 33:III.501.B.5.
-	Oxygen Scavenger Bulk Storage Tank	905	B.8
-	Disodium Phosphate Bulk Storage Tank	905	B.8
-	Trisodium Phosphate Bulk Storage Tank	1000	B.8
-	Ammonium Hydroxide Tank	1028	B.8
-	Neutralization Tanks (2)	127,100	B.8
-	Caustic Storage Tank	6000	B.40

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

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

ID No.:	Description	LAC 33:III.Chapter											NSPS 40 CFR 60					NESHAP 40 CFR 63				40 CFR								
		5	5▲	9	11	13	15	21	22	51*	56	59	A	Da	Dc	GG	IIII	A	Q	YYYY	ZZZZ	52	64	68	72	73	75	76	77	78
UNF1	Taft Cogeneration Plant			1						2	1	2											3	3						
PCS 1	Combined Cycle Unit 1				1		1																		1	1	1		1	1
PCS 2	Combined Cycle Unit 2				1		1																		1	1	1		1	1
PCS 3	Combined Cycle Unit 3				1		1																		1	1	1		1	1
EQT3	1a-99 – Gas Turbine No. 1		1			1							1			1				2										
EQT4	2a-99 – Gas Turbine No. 2		1			1							1			1				2										
EQT5	3a-99 – Gas Turbine No. 3		1			1							1			1				2										
EQT6	4-99 - Carbonation Tower					1																								
EQT7	5-99 - Cooling Tower																		2											
EQT8	1-99 - HRSG/Duct Burner No. 1		1			1							1	1																
EQT9	2-99 - HRSG/Duct Burner No. 2		1			1							1	1																
EQT10	3-99 - HRSG/Duct Burner No. 3		1			1							1	1																

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

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.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

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

ID No:	Requirement	Notes
UNF 1	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.2]	DOES NOT APPLY. Unit is not a major source of Toxic Air Pollutants. [LAC 33:III.5101.A]
	Chemical Accident Prevention and Minimization of Consequences [LAC 33:III.5901]	DOES NOT APPLY. The Taft Cogeneration Plant contains no sources which produce, handle, process, or store substances listed in LAC 5907.A Table A in quantities greater than the listed threshold. The Chlor-Alkali Plant, which is a contiguous site under common control, does store these chemicals and compliance with these requirements is demonstrated under its permit. [LAC 33:III.5901.A]
	Compliance Assurance Monitoring [40 Part 64.2(b)(1)(iii)]	EXEMPT. The Taft Cogeneration Plant is subject to Acid Rain requirements. [40 CFR 64.2(b)(iii)]
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. The Taft Cogeneration Plant contains no sources which produce, handle, process, or store substances listed in 40 CFR 68.130 in quantities greater than the listed threshold. The Chlor-Alkali Plant, which is a contiguous site under common control, does store these chemicals and compliance with these requirements is demonstrated under its permit.
EQT 3 EQT 4 EQT 5	NESHAP Subpart YYYY - National Emission Standard for Hazardous Air Pollutants for Stationary Combustion Turbines	DOES NOT APPLY. Turbines are not located at a major source of HAPs. [40 CFR 63.6080]
EQT 7	NESHAP Subpart Q – National Emission Standards for Hazardous Air Pollutants for Industrial Cooling Towers [40 CFR 63.400(a)]	DOES NOT APPLY. The Taft Cogeneration Plant does not use chromium based water treatment chemicals in the cooling water or cooling tower.
EQT 8 EQT 9 EQT 10	NSPS Subpart Da - Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	APPLIES. Sources are subject to NOx standards, but are not subject to PM_{10} or SO_2 standards. Natural gas is not defined as a solid, liquid, or gaseous fuel. PM_{10} and SO_2 standards only apply to the combustion of solid, liquid, or gaseous fuels.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

The above table provides explanation for either 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.

General Information

AI ID: 1137 Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
2520-00007	Occidental Chemical Corp	CDS Number	08-05-2002
16-0484732	Federal Tax ID	Federal Tax ID	11-20-1999
LAD003913316	Occidental Chemical Corp	Hazardous Waste Notification	03-03-2000
00427	Occidental Chemical Corp	Inactive & Abandoned Sites	11-01-1979
LAD003913316	Hooker Chemicals & Plastics Taft Plant	Inactive & Abandoned Sites	11-01-1979
LA0005983	LPDES #	LPDES Permit #	05-22-2003
LAG530400	LPDES #	LPDES Permit #	05-22-2003
LAR10B270	LPDES #	LPDES Permit #	03-23-2003
WG-010616	LWDPS #	LWDPS Permit #	05-22-2003
WP0702	LWDPS #	LWDPS Permit #	06-25-2003
WP0767	LWDPS #	LWDPS Permit #	06-25-2003
	Nexen Chemicals USA	Multimedia	11-02-2000
55089	ORIS Code	ORIS Code	09-16-2008
1501117	Tax Exempt No	Other	11-20-1999
	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-2236-L01	Radioactive Material License	Radiation License Number	10-25-2001
2236	X-Ray Registration Number	Radiation X-ray Registration Number	12-22-2006
GD-089-1288	Site ID #	Solid Waste Facility No.	04-30-2001
17510	Occidental Chemical Corp	TEMPO Merge	01-08-2001
17524	Oxy Chem	TEMPO Merge	08-13-2001
19351	Occidental Chemical Corp	TEMPO Merge	12-18-2000
19352	Occidental Chemical Corp Taft Ammonia Plant	TEMPO Merge	12-18-2000
25268	Nexen Chemicals USA - Taft Chlorate Plant (closed)	TEMPO Merge	10-12-2006
3176	Occidental Chemical Corp	TEMPO Merge	01-02-2001
7332	Occidental Electrochemical Corp	TEMPO Merge	01-02-2001
9080	Occidental Chemical Corp	TEMPO Merge	12-18-2000
70057CCDNTLAHWY	TRI #	Toxic Release Inventory	07-09-2004
70057CCDNTLAHWY	TRI #	Toxic Release Inventory	07-14-2004
70057CXYCH266HI	TRI #	Toxic Release Inventory	07-29-2004
1072	UST Case History Case Number	UST Case Number	11-21-1999
WQC 010605-03	Water Quality Certification #	Water Certification	07-24-2001
	Oxychem Electrochemicals Division	Water Permitting	05-27-1993

General Information

AI ID: 1137 Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Physical Location: 266 Hwy 3142
Hahnville, LA 70057

Main Phone: 9857837388

Mailing Address: PO Box 74
Hahnville, LA 700570074

Location of Front Gate: 29.987222 latitude, -90.454722 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Curtis Bourgeois	266 Hwy 3142 Hahnville, LA 70057	9857832778 (WF)	Air Permit Contact For
Curtis Bourgeois	266 Hwy 3142 Hahnville, LA 70057	9857837217 (WP)	Air Permit Contact For
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857837388 (WP)	Accident Prevention Contact for
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Accident Prevention Contact for
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Haz. Waste Billing Party for
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857837388 (WP)	Accident Prevention Billing Party for
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Accident Prevention Billing Party for
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Water Permit Contact For
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857837388 (WP)	Water Permit Contact For
Lynette Currier	266 Hwy 3142 Hahnville, LA 70057	9857837388 (WP)	Haz. Waste Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	gary_t._dejean@oxy	Radiation Registration Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Radiation License Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857837419 (WP)	Radiation License Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857030702 (CP)	Radiation License Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	gary_t._dejean@oxy	Radiation License Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857030702 (CP)	Radiation Registration Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857837419 (WP)	Radiation Registration Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Radiation Registration Billing Party for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	gary_t._dejean@oxy	Radiation Contact For
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857030702 (CP)	Radiation Contact For
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857837419 (WP)	Radiation Contact For
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Radiation Contact For
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	gary_t._dejean@oxy	Radiation Safety Officer for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857030702 (CP)	Radiation Safety Officer for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857833094 (WF)	Radiation Safety Officer for
Gary Dejean	266 Hwy 3142 Hahnville, LA 70057	9857837419 (WP)	Radiation Safety Officer for
Terry Fields		9857836661 (or 666:	Katrina Response Contact for
Joseph Jacquat		5048950368 (WP)	Water Certification Contact for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	BRYAN_MCDOWEL	Underground Storage Tank Contact for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857833094 (WF)	Underground Storage Tank Contact for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857837384 (WP)	Underground Storage Tank Contact for

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General Information

AI ID: 1137 Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857833094 (WF)	Solid Waste Billing Party for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857833094 (WF)	Emission Inventory Contact for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857837384 (WP)	Emission Inventory Contact for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	9857837384 (WP)	Solid Waste Billing Party for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	BRYAN_MCDOWEL	Solid Waste Billing Party for
Bryan McDowell	266 Hwy 3412 Hahnville, LA 70057	BRYAN_MCDOWEL	Emission Inventory Contact for
Victor Pisani	266 Hwy 3142 Hahnville, LA 70057	9857837388 (WP)	Responsible Official for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Conestoga Rovers & Associates Inc	4915 S Sherwood Forest Blvd Baton Rouge, LA 70816	2252929007 (WP)	Provides environmental services for
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	UST Billing Party for
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	Owns
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	Water Billing Party for
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	Emission Inventory Billing Party
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	Air Billing Party for
Occidental Chemical Corp	PO Box 74 Hahnville, LA 700570074	5047836661 (WP)	Operates
Providence Engineering & Environmental Group LLC	1201 Main St Baton Rouge, LA 70802	2257667400 (HP)	Provides environmental services for

NAIC Codes: 22111, Electric Power Generation

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 Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

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INVENTORIES

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Combined Cycle Unit 1						
EQT 0003	1a-99 - 1a-99 - Gas Turbine No. 1		2030 MM BTU/hr			8760 hr/yr
EQT 0008	1-99 - 1-99 - HRSG/Duct Burner No. 1					8760 hr/yr
Combined Cycle Unit 2						
EQT 0004	2a-99 - 2a-99 - Gas Turbine No. 2		2030 MM BTU/hr			8760 hr/yr
EQT 0009	2-99 - 2-99 - HRSG/Duct Burner No. 2					8760 hr/yr
Combined Cycle Unit 3						
EQT 0005	3a-99 - 3a-99 - Gas Turbine No. 3		2030 MM BTU/hr			8760 hr/yr
EQT 0010	3-99 - 3-99 - HRSG/Duct Burner No. 3					8760 hr/yr
Taft Cogeneration Plant						
EQT 0006	4-99 - 4-99 - Carbonation Tower		7200 SCFM			8760 hr/yr
EQT 0007	5-99 - 5-99 - Cooling Tower		178000 gallons/min			8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Combined Cycle Unit 1							
EQT 0003	1a-99 - 1a-99 - Gas Turbine No. 1	55.8	797030	17.41		130	200
EQT 0008	1-99 - 1-99 - HRSG/Duct Burner No. 1	55.8	797030	17.41		130	200
Combined Cycle Unit 2							
EQT 0004	2a-99 - 2a-99 - Gas Turbine No. 2	55.8	797030	17.41		130	200
EQT 0009	2-99 - 2-99 - HRSG/Duct Burner No. 2	55.8	797030	17.41		130	200
Combined Cycle Unit 3							
EQT 0005	3a-99 - 3a-99 - Gas Turbine No. 3	55.8	797030	17.41		130	200
EQT 0010	3-99 - 3-99 - HRSG/Duct Burner No. 3	55.8	797030	17.41		130	200
Taft Cogeneration Plant							
EQT 0006	4-99 - 4-99 - Carbonation Tower	6.2	7300	5		65	149
EQT 0007	5-99 - 5-99 - Cooling Tower	29.8	1262172	30		47	110

Relationships:

ID	Description	Relationship	ID	Description
EQT 0003	1a-99 - 1a-99 - Gas Turbine No. 1	Vents to	EQT 0008	1-99 - 1-99 - HRSG/Duct Burner No. 1
EQT 0004	2a-99 - 2a-99 - Gas Turbine No. 2	Vents to	EQT 0009	2-99 - 2-99 - HRSG/Duct Burner No. 2
EQT 0005	3a-99 - 3a-99 - Gas Turbine No. 3	Vents to	EQT 0010	3-99 - 3-99 - HRSG/Duct Burner No. 3

INVENTORIES

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
CRG 0006	Common Requirements Group	ARS - Acid Rain Sources
PCS 0001	Process Group	GT/HRSG Unit 1 - Combined Cycle Unit 1
PCS 0002	Process Group	GT/HRSG Unit 2 - Combined Cycle Unit 2
PCS 0003	Process Group	GT/HRSG Unit 3 - Combined Cycle Unit 3
SCN 0002	Alternate Operating Scenario	1a-99 SUSD - Gas Turbine No. 1 Startup/Shutdown
SCN 0003	Alternate Operating Scenario	2a-99 SUSD - Gas Turbine No. 2 Startup/Shutdown
SCN 0004	Alternate Operating Scenario	3a-99 SUSD - Gas Turbine No. 3 Startup/Shutdown
SCN 0005	Alternate Operating Scenario	GT/HRSG Unit 1 LL - Combined Cycle Unit 1 Low Load
SCN 0006	Alternate Operating Scenario	GT/HRSG Unit 2 LL - Combined Cycle Unit 2 Low Load
SCN 0007	Alternate Operating Scenario	GT/HRSG Unit 3 LL - Combined Cycle Unit 3 Low Load
UNF 0003	Unit or Facility Wide	- Taft Cogeneration Plant

Group Membership:

ID	Description	Member of Groups
EQT 0003	1a-99 - 1a-99 - Gas Turbine No. 1	CRG0000000006, PCS0000000001, SCN0000000002, SCN0000000005
EQT 0004	2a-99 - 2a-99 - Gas Turbine No. 2	CRG0000000006, PCS0000000002, SCN0000000003, SCN0000000006
EQT 0005	3a-99 - 3a-99 - Gas Turbine No. 3	CRG0000000006, PCS0000000003, SCN0000000004, SCN0000000007
EQT 0008	1-99 - 1-99 - HRSG/Duct Burner No. 1	CRG0000000006, PCS0000000001, SCN0000000005
EQT 0009	2-99 - 2-99 - HRSG/Duct Burner No. 2	CRG0000000006, PCS0000000002, SCN0000000006
EQT 0010	3-99 - 3-99 - HRSG/Duct Burner No. 3	CRG0000000006, PCS0000000003, SCN0000000007

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
1540	1540 Steam Gen. Units-Natural Gas or Comb Non-Fossil Fuels (Rated Capacity)	458	M lb/hr
1510	1510 Co-Generation (Capital Cost)	2210	$100,000

SIC Codes:

2812	Alkalies and chlorine	AI 1137
2819	Industrial inorganic chemicals, nec	AI 1137
4939	Combination utilities, nec	AI 1137
4961	Steam and air conditioning supply	AI 1137
5161	Chemicals & Allied Products-Whls	AI 1137

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Combined Cycle Unit 1															
EQT 0003 1a-99		109.50			64.80										
Combined Cycle Unit 2															
EQT 0004 2a-99		109.50			64.80										
Combined Cycle Unit 3															
EQT 0005 3a-99		109.50			64.80										
Taft Cogeneration Plant															
EQT 0006 4-99	1.29	1.54	5.63	1.20	1.44	5.26	0.23	0.27	0.99	0.01	0.02	0.07	0.10	0.11	0.42
EQT 0007 5-99							4.17	7.37	18.25						
PCS 0001 GT/HRSG Unit 1	137.90	137.90	604.00	110.95	134.09	485.96	22.33	24.10	97.78	1.34	1.61	5.87	7.47	10.22	32.72
PCS 0002 GT/HRSG Unit 2	137.90	137.90	604.00	110.95	134.09	485.96	22.33	24.10	97.78	1.34	1.61	5.87	7.47	10.22	32.72
PCS 0003 GT/HRSG Unit 3	137.90	137.90	604.00	110.95	134.09	485.96	22.33	24.10	97.78	1.34	1.61	5.87	7.47	10.22	32.72
SCN 0002 1a-99 SUSD		**721.20**			**370.32**			**20.40**			**1.35**			**23.70**	
SCN 0003 2a-99 SUSD		**721.20**			**370.32**			**20.40**			**1.35**			**23.70**	
SCN 0004 3a-99 SUSD		**721.20**			**370.32**			**20.40**			**1.35**			**23.70**	
SCN 0005 GT/HRSG Unit 1 L		**178.00**			**128.70**			**24.10**			**1.61**			**10.22**	
SCN 0006 GT/HRSG Unit 2 L		**178.00**			**128.70**			**24.10**			**1.61**			**10.22**	
SCN 0007 GT/HRSG Unit 3 L		**178.00**			**128.70**			**24.10**			**1.61**			**10.22**	

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

Emission rates Notes:

PCS 0001	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0001	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0001	NOx	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than or equal to 50% of the unit's maximum load. Which Months: All Year
PCS 0001	CO	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than or equal to 50% of the unit's maximum load. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

PCS 0001	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0002	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0002	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0002	NOx	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than or equal to 50% of the unit's maximum load. Which Months: All Year
PCS 0002	CO	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than 50% of the unit's maximum load. Which Months: All Year
PCS 0002	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0003	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0003	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0003	NOx	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than or equal to 50% of the unit's maximum load. Which Months: All Year
PCS 0003	CO	Max lb/hr	. This limitation shall apply when the unit operates under normal conditions. Normal conditions is defined as operations that are greater than 50% of the unit's maximum load. Which Months: All Year
PCS 0003	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	PM10	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	SO2	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	NOx	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	CO	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	VOC	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	PM10	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	SO2	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	NOx	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	CO	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	VOC	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	PM10	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	SO2	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	NOx	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility

Activity Number: PER20090011

Permit Number: 2598-V2

Air - Title V Regular Permit Renewal

SCN 0004	CO	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	VOC	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0005	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0005	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0005	NOx	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0005	CO	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0005	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0006	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0006	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0006	NOx	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0006	CO	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0006	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0007	PM10	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0007	SO2	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0007	NOx	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0007	CO	Max lb/hr	. This limitation shall apply when the unit operates under low load conditions. Low load conditions is defined as operations that are greater than 30% of the unit's maximum load and less than 50% of the unit's maximum load. Which Months: All Year
SCN 0007	VOC	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0006 4-99	Formaldehyde	<0.01	<0.01	0.03
	Sulfuric acid	<0.01	<0.01	<0.01
EQT 0007 5-99	Chlorine	0.03	0.03	0.12
PCS 0001 GT/HRSG Unit 1	Formaldehyde	0.45	0.69	1.97
	Sulfuric acid	0.13	0.16	0.59
PCS 0002 GT/HRSG Unit 2	Formaldehyde	0.45	0.69	1.97
	Sulfuric acid	0.13	0.16	0.59
PCS 0003 GT/HRSG Unit 3	Formaldehyde	0.45	0.69	1.97
	Sulfuric acid	0.13	0.16	0.59
SCN 0002 1a-99 SUSD	**Formaldehyde**		**1.60**	
	Sulfuric acid		**0.14**	
SCN 0003 2a-99 SUSD	**Formaldehyde**		**1.60**	
	Sulfuric acid		**0.14**	
SCN 0004 3a-99 SUSD	**Formaldehyde**		**1.60**	
	Sulfuric acid		**0.14**	
SCN 0005 GT/HRSG Unit 1 LL	**Formaldehyde**		**0.69**	
	Sulfuric acid		**0.16**	
SCN 0006 GT/HRSG Unit 2 LL	**Formaldehyde**		**0.69**	
	Sulfuric acid		**0.16**	
SCN 0007 GT/HRSG Unit 3 LL	**Formaldehyde**		**0.69**	
	Sulfuric acid		**0.16**	
UNF 0003	Chlorine			0.12
	Formaldehyde			5.94
	Sulfuric acid			1.78

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

PCS 0001	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0001	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0002	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0002	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

PCS 0003	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
PCS 0003	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0002	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0003	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0004	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit operates under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0005	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0005	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0006	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0006	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0007	Formaldehyde	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year
SCN 0007	Sulfuric acid	Max lb/hr	. This limitation shall apply when the unit is not operating under startup or shutdown conditions (SUSD). SUSD is defined as operations that are less than or equal to 30% of the unit's maximum load. Which Months: All Year

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SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Group: PCS 0001 Combined Cycle Unit 1

Group Members: EQT 0003 EQT 0008

EQT 0003 1a-99 - 1a-99 - Gas Turbine No. 1

1	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 25 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
2	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Nitrogen oxides <= 9 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: 24-hour rolling average based on a one-hour average
3	[40 CFR 60.332(a)(1)]	Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)] Which Months: All Year Statistical Basis: 4-hr rolling average
4	[40 CFR 60.333(b)]	Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)] Which Months: All Year Statistical Basis: None specified
5	[40 CFR 60.334(h)(1)]	Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)] Which Months: All Year Statistical Basis: None specified
6	[40 CFR 60.334(j)]	Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
7	[40 CFR 60.335]	Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
8	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average
9	[LAC 33:III.509]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 85 ppmdv (load>=30% and <50%). [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average

EQT 0008 1-99 - 1-99 - HRSG/Duct Burner No. 1

10	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.08 lb/MMBTU using natural gas. [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average
11	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.18 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Group: PCS 0001 Combined Cycle Unit 1

EQT 0008 1-99 - 1-99 - HRSG/Duct Burner No. 1

12	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.012 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
13	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.03 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
14	[40 CFR 52.]	Particulate matter (10 microns or less) <= 0.0035 gr/dscf. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
15	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.005 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
16	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.08 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
17	[40 CFR 60.44Da(d)(1)]	Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)] Which Months: All Year Statistical Basis: Three one-hour test average
18	[40 CFR 60.48Da(c)]	Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
19	[40 CFR 60.48Da(k)]	Determine compliance with the emission limitation for NOx required by 40 CFR 60.44Da(d)(1) or (e)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]
20	[40 CFR 60.50Da(a)]	Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
21	[40 CFR 60.50Da(d)]	Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1). Subpart Da. [40 CFR 60.50Da(d)]
22	[40 CFR 60.51Da(a)]	Submit the performance test data from the initial performance test and subsequent performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
23	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
24	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

Group: PCS 0002 Combined Cycle Unit 2

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 Combined Cycle Unit 2

Group Members: EQT 0004 EQT 0009

EQT 0004 2a-99 - 2a-99 - Gas Turbine No. 2

25	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Nitrogen oxides <= 9 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: 24-hour rolling average based on a one-hour average
26	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 25 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
27	[40 CFR 60.332(a)(1)]	Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)] Which Months: All Year Statistical Basis: 4-hr rolling average
28	[40 CFR 60.333(b)]	Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)] Which Months: All Year Statistical Basis: None specified
29	[40 CFR 60.334(h)(1)]	Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)] Which Months: All Year Statistical Basis: None specified
30	[40 CFR 60.334(j)]	Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
31	[40 CFR 60.335]	Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
32	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average
33	[LAC 33:III.509]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 85 ppmdv (load>=30% and <50%). [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average

EQT 0009 2-99 - 2-99 - HRSG/Duct Burner No. 2

34	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.012 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
35	[40 CFR 52.]	Particulate matter (10 microns or less) <= 0.0035 gr/dscf. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average

Group: PCS 0002 Combined Cycle Unit 2

EQT 0009 2-99 - 2-99 - HRSG/Duct Burner No. 2

36	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.03 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
37	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.08 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
38	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.18 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
39	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.08 lb/MMBTU using natural gas. [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average
40	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.005 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
41	[40 CFR 60.44Da(d)(1)]	Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)] Which Months: All Year Statistical Basis: Three one-hour test average
42	[40 CFR 60.48Da(c)]	Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
43	[40 CFR 60.48Da(k)]	Determine compliance with the emission limitation for NOx required by 40 CFR 60.44Da(d)(1) or (e)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]
44	[40 CFR 60.50Da(a)]	Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
45	[40 CFR 60.50Da(d)]	Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1). Subpart Da. [40 CFR 60.50Da(d)]
46	[40 CFR 60.51Da(a)]	Submit the performance test data from the initial performance test and subsequent performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
47	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
48	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

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SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

Group: PCS 0003 Combined Cycle Unit 3

Group Members: EQT 0005 EQT 0010

EQT 0005 3a-99 - 3a-99 - Gas Turbine No. 3

49	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 25 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
50	[40 CFR 52.]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Nitrogen oxides <= 9 ppmdv (load >=50%). [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: 24-hour rolling average based on a one-hour average
51	[40 CFR 60.332(a)(1)]	Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)] Which Months: All Year Statistical Basis: 4-hr rolling average
52	[40 CFR 60.333(b)]	Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)] Which Months: All Year Statistical Basis: None specified
53	[40 CFR 60.334(h)(1)]	Fuel sulfur content monitored by the regulation's specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)] Which Months: All Year Statistical Basis: None specified
54	[40 CFR 60.334(j)]	Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
55	[40 CFR 60.335]	Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
56	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average
57	[LAC 33:III.509]	Shall be equipped with Dry Low NOX burners and / or other control devices as BACT to maintain Carbon monoxide <= 85 ppmdv (load>=30% and <50%). [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average

EQT 0010 3-99 - 3-99 - HRSG/Duct Burner No. 3

58	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.08 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
59	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.012 lb/MMBTU using natural gas. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average

Group: PCS 0003 Combined Cycle Unit 3

EQT 0010 3-99 - 3-99 - HRSG/Duct Burner No. 3

60	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Nitrogen oxides <= 0.18 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
61	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain VOC, Total <= 0.005 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
62	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.08 lb/MMBTU using natural gas. [LAC 33:III.509, 40 CFR 52] Which Months: All Year Statistical Basis: Three one-hour test average
63	[40 CFR 52.]	Particulate matter (10 microns or less) <= 0.0035 gr/dscf. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
64	[40 CFR 52.]	Shall be equipped with Low NOX burners as BACT to maintain Carbon monoxide <= 0.03 lb/MMBTU using hydrogen. [40 CFR 52, LAC 33:III.509] Which Months: All Year Statistical Basis: Three one-hour test average
65	[40 CFR 60.44Da(d)(1)]	Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)] Which Months: All Year Statistical Basis: Three one-hour test average
66	[40 CFR 60.48Da(c)]	Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
67	[40 CFR 60.48Da(k)]	Determine compliance with the emission limitation for NOx required by 40 CFR 60.44Da(d)(1) or (e)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]
68	[40 CFR 60.50Da(a)]	Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
69	[40 CFR 60.50Da(d)]	Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1). Subpart Da. [40 CFR 60.50Da(d)]
70	[40 CFR 60.51Da(a)]	Submit the performance test data from the initial performance test and subsequent performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
71	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
72	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

PCS 0001 GT/HRSG Unit 1 - Combined Cycle Unit 1

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

PCS 0001 GT/HRSG Unit 1 - Combined Cycle Unit 1

Group Members: EQT 0003 EQT 0008

73	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
74	[LAC 33:III.1513.D]	Comply with the recordkeeping provisions in 40 CFR 75 - Continuous Emission Monitoring.
75	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), within 180 days of the issuance of this permit, or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the carbon monoxide emission limits of this permit for the sources covered by this process group and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.
76	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
77	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

PCS 0002 GT/HRSG Unit 2 - Combined Cycle Unit 2

Group Members: EQT 0004 EQT 0009

78	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
79	[LAC 33:III.1513.D]	Comply with the recordkeeping provisions in 40 CFR 75 - Continuous Emission Monitoring.
80	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

PCS 0002 GT/HRSG Unit 2 - Combined Cycle Unit 2

81	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
82	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), within 180 days of the issuance of this permit, or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the carbon monoxide emission limits of this permit for the sources covered by this process group and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.

PCS 0003 GT/HRSG Unit 3 - Combined Cycle Unit 3

Group Members: EQT 0005EQT 0010

83	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
84	[LAC 33:III.1513.D]	Comply with the recordkeeping provisions in 40 CFR 75 - Continuous Emission Monitoring.
85	[LAC 33:III.507.H.1.a]	Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), within 180 days of the issuance of this permit, or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the carbon monoxide emission limits of this permit for the sources covered by this process group and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, 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.
86	[LAC 33:III.507.H.1.a]	Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
87	[LAC 33:III.507.H.1.a]	Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

SCN 0002 1a-99 SUSD - Gas Turbine No. 1 Startup/Shutdown

Group Members:

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

SCN 0002 1a-99 SUSD - Gas Turbine No. 1 Startup/Shutdown

EQT 0003

88	[LAC 33:III.509]	BACT for emissions of NOx from this gas turbine during periods of startup and shutdown is determined to be no additional controls. BACT for emissions of CO from this gas turbine during periods of startup and shutdown is determined to be good combustion practices.

SCN 0003 2a-99 SUSD - Gas Turbine No. 2 Startup/Shutdown

Group Members: EQT 0004

89	[LAC 33:III.509]	BACT for emissions of NOx from this gas turbine during periods of startup and shutdown is determined to be no additional controls. BACT for emissions of CO from this gas turbine during periods of startup and shutdown is determined to be good combustion practices.

SCN 0004 3a-99 SUSD - Gas Turbine No. 3 Startup/Shutdown

Group Members: EQT 0005

90	[LAC 33:III.509]	BACT for emissions of NOx from this gas turbine during periods of startup and shutdown is determined to be no additional controls. BACT for emissions of CO from this gas turbine during periods of startup and shutdown is determined to be good combustion practices.

CRG 0006 ARS - Acid Rain Sources

Group Members: EQT 0003 EQT 0004 EQT 0005 EQT 0008 EQT 0009 EQT 0010

91	[40 CFR 72.9(a)(1)]	The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [40 CFR 72.9(a)(1), LAC 33:III.505]
92	[40 CFR 72.9(a)(2)]	Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [40 CFR 72.9(a)(2), LAC 33:III.505]
93	[40 CFR 72.9(b)]	Comply with the monitoring requirements as provided in 40 CFR 75. [40 CFR 72.9(b), LAC 33:III.505]
94	[40 CFR 72.9(c)(1)]	The owners and operators shall hold allowances, as of the allowance transfer deadline, in the source¿s compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the source and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [40 CFR 72.9(c)(1), LAC 33:III.505]
95	[40 CFR 72.9(c)(5)]	An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(c)(5), LAC 33:III.505]
96	[40 CFR 72.9(e)(1)]	The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [40 CFR 72.9(e)(1), LAC 33:III.505]

CRG 0006 ARS - Acid Rain Sources

97	[40 CFR 72.9(e)(2)]	The owners and operators of an affected source that has excess emissions in any calendar year shall pay without demand the penalty required. and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [40 CFR 72.9(e)(2), LAC 33:III.505]
98	[40 CFR 72.9(f)(1)]	Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority. 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative. 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply. 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.f 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)(1), LAC 33:III.505]
99	[40 CFR 72.9(f)(2)]	The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [40 CFR 72.9(f)(2), LAC 33:III.505]
100	[40 CFR 75.10(a)(2)]	To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]
101	[40 CFR 75.10(a)(3)]	Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]
102	[40 CFR 75.10(b)]	The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). Sources at this facility are not currently required to install and operate SO2 CEMS for these units in order to comply with 40 CFR 75. [40 CFR 75.10(b)]
103	[40 CFR 75.10(c)]	The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

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104	[40 CFR 75.10(d)]	The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. Sources at this facility are not currently required to install and operate a COMS for these units in order to comply with 40 CFR 75. [40 CFR 75.10(d)]
105	[40 CFR 75.10(f)]	The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]
106	[40 CFR 75.10(g)]	The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]
107	[40 CFR 75.11(d)(2)]	Measure and record SO2 emissions by providing information satisfactory to the Administrator using the applicable procedures specified in appendix D to 40 CFR 75 for estimating hourly SO2 mass emissions. [40 CFR 75.11(d)(2)]
108	[40 CFR 75.]	Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements.

UNF 0003 - Taft Cogeneration Plant

109	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
110	[40 CFR 72.9(c)(1)(i)]	Occidental Chemical Corporation's Taft Cogeneration Plant shall secure one allowance for each ton of SO2 emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Taft Cogeneration Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]
111	[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.
112	[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.
113	[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.
114	[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.

SPECIFIC REQUIREMENTS

AI ID: 1137 - Occidental Chemical Corp - Chlorine Caustic Facility
Activity Number: PER20090011
Permit Number: 2598-V2
Air - Title V Regular Permit Renewal

UNF 0003 - Taft Cogeneration Plant

115	[LAC 33:III.507.G.5]	Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
116	[LAC 33:III.509]	Comply with the requirements of PSD-LA-633(M-2). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-633(M-2).
117	[LAC 33:III.535]	Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
118	[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.
119	[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.
120	[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.
121	[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.
122	[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. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

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