JPC

AIR DERC_100215979-300100_
CE_20041020_Certification

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 20, 2004

Ms. Kimberly Hughes
Air Quality Engineer
American Electric Power
P.O. Box 660164
Dallas, Texas 75266-0164

Re: Review of Discrete Emission Reduction Credits Generation
Lon C. Hill Power Station
Corpus Christi, Nueces County
Regulated Entity Number: RN100215979
Customer Reference Number: CN601572753

Dear Ms. Hughes:

This letter is in response to your Form DEC-1, entitled "Notice of Generation and Generator Certification of Discrete Emission Credits," dated January 16, 2004. We have reviewed your request and are unable to approve the credits claimed for the following reason:

By Title 30 Texas Administrative Code (30 TAC) § 101.373 (a)(2)(A), Discrete Emission Reduction Credits (DERCs) may not be generated by temporary shutdowns or permanent curtailment of activity at a facility. Since the shutdown of the Lon C. Hill Power Station was not made permanent by a permit withdrawal this facility is unable to receive DERCs for this reduction.

Your application was voided on October 1, 2004. To reactivate the voided application, please submit a new DEC-1 application form and supporting documentation. Please be aware that in accordance to 30 TAC § 101.373(c)(1) an application must be submitted within 90 days after the end of the reduction strategy.

Please reference the regulated entity number (RN) and customer reference number (CN) noted in this document in all your future banking and trading correspondence. The RN replaces the former Texas Commission on Environmental Quality account number for the facility or site. The CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by this company or corporation.

Re: Review of Discrete Emission Reduction Credits Generation

Thank you for your cooperation in this matter. If you have questions concerning this review or need further assistance regarding the banking program, please contact Mr. Joe P. Etheridge at (512) 239-2460 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Richard A. Hyde, P.E., Director
Air Permits Division
Office of Permitting, Remediation, and Registration
Texas Commission on Environmental Quality

RAH/JPE/mfs

cc: Mr. David Turner, Air Section Manager, Region 14 - Corpus Christi

Project Number: 300100

DISCRETE EMISSION REDUCTION CREDITS (DERCs)
VERIFICATION TECHNICAL REVIEW

Project No.:	300100	Customer Reference No.:	CN601572753
Project Type:	BDRC	Regulated Entity No.:	RN100215979
Company:	American Electric Power	Facility Name:	Lon C Hill Power Station
City:	Corpus Christi	County:	Nueces
Project Reviewer:	Mr. Joe P. Etheridge	Portfolio Name:	Lon C Hill - Ne0025c

Project Overview

Discrete Emission Reductions Summary

Applicable Pollutants ..... NOx
If VOCs identify HAPs and Non-HAPs
Date reduction achieved: ..... N/A
Most recent year of emissions inventory used for SIP determination: 1997
Generation Period: ..... 1/1/2003 - 12/31/2003
Source: .....
Generation County ..... Nueces
Generation Area ..... Attainment
If in Dallas/Fort Worth Nonattainment area, identify ozone and non-ozone season.

Baseline Period ..... 1997 and 1998
Baseline Emission Factor
Do Baseline emission factor exceed any applicable Federal, State, or authorized limit? ..... No

Generation of Discrete Emission Credits:

Generation Method:
Gasreach and Induced Flue Gas Recirculation (IFGR) was installed on Unit Boiler No. 3 (FIN: LCH3 and EPN: 3A) in1999 to reduce NOx emissions. As of January 1, 2003, the unit was deemed "mothballed"or temporarily shutdown for the entire year of 2003.

By Title 30 Texas Administrative Code § 101.373 (a)(2)(A), Discrete Emission Reduction Credits may not be generated by temporary shutdowns or permanent curtailment of activity at a facility. Since the shutdown of the Lon C. Hill Power Station, Unit 3 was not made permanent by a permit withdrawal this facility was unable to receive DERCs for this reduction.

On September 27, 2004, American Electric Power sent an email voluntarily voiding the application (Notice of Generation and Generator Certification of Discrete Emission Credits, Form DEC-1) for DERCs at the Lon C. Hill Power Station, Unit 3.

Control of Pollutant:

Check applicability of all state and federal requirements to verify that reduction is in excess. Note the potentially applicable sections and state reason for nonapplicability or amount of the reduction not surplus. Please identify the applicability/nonapplicability for each FIN.

DISCRETE EMISSION REDUCTION CREDITS (DERCs)
VERIFICATION TECHNICAL REVIEW

NOx

FIN

NSPS ..... Exempt from NSPS D, constructed prior to 1971
30 TAC Chapter 117 ..... 117.135(1)(B)(i) after 5/1/2003

Conclusion:

Certificate Number issued ..... N/A

Pollutant	Amount (Tons)
NOx	0

Project Reviewer — Date: 10/12/04

Team Leader/Section Manager/Backup — Date: 10/15/04

From: Joe Ethridge
To: kmhughes@AEP.com
Subject: DERC Credits

Ms. Hughes,

I spoke with you earlier in regard to two facilities that have been deemed "mothballed" by the AEP Environmental Services. The Nueces Bay Power Station, Unit 6 and the Lon C. Hill Power Station Unit 3 have been confirmed to have undergone a temporary shutdown process. As a result of the temporary shutdowns of both units, no Discrete Emissions Reduction Credits (DERCs) can be issued at this time. These credits only apply to permanent shutdowns.
If you have any questions in regard to this, please contact me at (512)-239-2460.

Thank You,

Joe Etheridge
TCEQ-Air Permits
Emissions Banking and Trading

CC: Chism, Richard

Joe Ethridge - Voidance of DERCs

From: <kmhughes@aep.com>
To: <jethridg@tceq.state.tx.us>
Date: 9/27/2004 9:24 AM
Subject: Voidance of DERCs

Joe,

As we just discussed over the phone, AEP accepts the voidance of the DERC applications for Nueces Bay Power Station (Unit 6) and Lon C. Hill Power Station (Unit 3). This voidance is due to the fact that DERCs cannot be claimed for 'mothballed' or temporary shutdown units.

Kimberly M. Hughes, E.I.T.
American Electric Power
Environmental Services - Air Quality
1616 Woodall Rodgers Freeway
Dallas, TX 75202

Phone: 214.777.1155
Fax: 214.777.1380
Audinet: 8.777.1155
E-mail: kmhughes@aep.com
www.aep.com

AMERICAN ELECTRIC POWER

American Electric Power
P.O. Box 660164
Dallas, TX 75266-0164
aep.com

January 13, 2004

CERTIFIED MAIL
RETURN RECEIPT REQUESTED 7002 2410 0000 2471 7810

Texas Commission on Environmental Quality
Office of Permitting, Remediation and Registration
Emissions Banking and Trading Program, MC 163 - Cory Chieson
P. O. Box 13087
Austin, Texas 78711-3087

Re: Notice of Generation and Generator Certification of DERCs for year 2003
AEP Texas Central Company
Lon C. Hill Power Station, Unit 3
TCEQ Account No. NE-0025-C, Standard Permit No. 40642

To Whom It May Concern:

Enclosed for your review is the Notice of Generation and Generator Certification of Discrete Emission Credits (Form DEC-1) for Lon C. Hill Power Station, Unit 3. Also included is supporting documentation for the amount of nitrogen oxide (NOx) credits generated. GasReach and Induced Flue Gas Recirculation (IFGR) was installed on Unit Boiler No. 3 (FIN: LCH3 and EPN: 3A) in 1999 to reduce NOx emissions. As of January 1, 2003, the unit has been 'mothballed' or shutdown for the entire year of 2003.

The form and supporting documentation is submitted on behalf of AEP Texas Central Company, a wholly owned subsidiary of American Electric Power (AEP). If you have questions regarding this submittal, please contact me at (214) 777-1155 or by email at kmhughes@aep.com.

Sincerely,

Kimberly Hughes

Kimberly M. Hughes, E.I.T.
Air Quality Engineer
AEP Environmental Services

Enclosures

xc: Leon Kolodziej, Lon Hill Power Station (w/encl.)
File: LCH.10.10.50.2004 (w/encl.)

Form DEC-1 (Page 1)
Notice of Generation and Generator Certification of Discrete Emission Credits
(Title 30 Texas Administrative Code § 101.370 - § 101.374)

A notice of generation and generator certification must be submitted to the Texas Natural Resource Conservation Commission (TCEQ) DERC Registry in accordance with the following requirements if the reduction is to be creditable and marketable:

I. COMPANY IDENTIFYING INFORMATION		
A. Company Name: American Electric Power (AEP)		
B. Owner or Operator of Generator Source: **AEP Texas Central Company**		
C. Plant/Site Name: **Lon C. Hill Power Station**		
D. Street Address: 3501 Callicoatte Road		
E. Nearest City: Corpus Christi	F. Zip Code: 78410	
G. County: Nueces	H. Primary SIC: 4911	
I. TCEQ Account No.: **NE-0025-C**		
J. Telephone: 361-242-3618	K. Fax: 361-242-3693	
L. Mailing Address: 3501 Callicoatte Road		
City: Corpus Christi	State: TX	Zip Code: 78410

II. TECHNICAL CONTACT IDENTIFYING INFORMATION		
A. Technical Contact Name: (__Mr. _X_Mrs. __Ms. __Dr.) Kimberly Hughes		
B. Technical Contact Title: Air Quality Engineer		
C. Telephone: 214-777-1155	D. Fax: 214-777-1380	E. Email: kmhughes@aep.com
F. Mailing Address: P.O. Box 660164		
G. City: Dallas	State: TX	Zip Code: 75266-0164

III. CONTACT FOR SALE OF CERTIFICATE		
A. Contact Name: (__Mr. _X_Mrs. __Ms. __Dr.) Kimberly Hughes		
B. Sale Contact Title: Air Quality Engineer		
C. Telephone: 214-777-1155	D. Fax: 214-777-1380	E. Email: kmhughes@aep.com
F. Mailing Address: P.O. Box 660164		
G. City: Dallas	State: TX	Zip Code: 75266-0164

IV. Generation Period

_X_ 12 months
____ Other _____ Days/months

Generation Period Start Date 01 / 01 /2003
Generation Period End Date 12 / 31 /2003

V. Generation Activity

☑ **Shutdown** ☐ **Additional Control** ☐ **Other:**

Date of Shutdown: 01 / 01 /2003

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Date of Reduction: / /

Form DEC-1 (Page 2)
Notice of Generation and Generator Certification of Discrete Emission Credits
(Title 30 Texas Administrative Code § 101.370 - § 101.374)

VI. EMISSIONS RATE DATA

Attach documentation which demonstrates the basis for each value represented in the following table.
If SA ≥ BA, then: (BER*BA) - (SER*SA) = reduction
If SA < BA, then: (BER*BA) - (SER*BA) = reduction

Emission Point No.	FIN	Air Contaminant	Calculation of DERCs					
			Baseline Activity (units)	Baseline Emission Rate (units)	Strategy Activity (units)	Strategy Emission Rate (units)	Most stringent emission rate (units)	DERCs (T)
3A	LCH3	NOx	5,998,119 mmBtu	0.425 lb/mmBtu	0 mmBtu	0.00 lb/mmBtu	0.14 lb/mmBtu	1274.6 ~~1273.10~~ NOx tons
			1274.6					

VII. Shutdown Emission Reduction Strategies

Has production shifted from the shutdown facility to another facility in the same nonattainment area? ☐ Yes* ☑ No
*If Yes, DERC cannot be claimed.

VIII. VOC

List Specific Compounds reduced: N/A

Emission Point No	FIN	Name of Air Contaminant	DERCs (T)

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Form DEC-1 (Page 3)
Notice of Generation and Generator Certification of Discrete Emission Credits
(Title 30 Texas Administrative Code § 101.370 - § 101.374)

VIII. Most Stringent Emission Rate

Describe basis for most stringent emission rate: ☐ Permit_____ ☐ RACT_____ ☑Other: Chapter 117 NOx for East Region

IX. Protocol

Protocol used to calculate DERC: Continuous Emission Monitoring System (CEMS) data and TCEQ Guidance Document for calculating DERC's.

VIII. CERTIFICATION BY RESPONSIBLE OFFICIAL

I, Charles Adami , hereby certify that the emission reductions claimed on this notice meet the requirements of 30 TAC Chapter 101, Subchapter H, Division 4 and are not based on an emission strategy prohibited in 30 TAC Chapter 101, Subchapter H, Division 4 to the best of my knowledge and belief and that the information entered in this application is correct to the best of my knowledge and belief.

Signature Charles Adami Signature Date 1-16-04

Title Regional Director

Mail application to:
Emission Banking and Trading Program
TCEQ MC 163
PO BOX 13087
AUSTIN, TX 78711-3087

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AEP Texas Central Company

Lon C. Hill Power Station Unit 3

Discrete Emission Reduction Credit Determination for Year 2003

Emission Reduction Strategy

Description	Emission Reduction Strategy Year	Authorization	Reduction Period
Induced Flue Gas Recirculation (IFGR)	1999	Unit 3 Standard Permit # 40642	January 1st to December 31st 2003

Emission Inventories

	1995	1996	1997	1998	**1999**	2000	2001	2002	2003
Air Contaminant	NOx	NOx	NOx	NOx	NOx	NOx	NOx	NOx	NOx
Emission Factor (lb/mmBtu)	0.378	0.302	0.379	0.470	0.249	0.191	0.284	0.190	0
NOx Rate - Fuel Weighted (lb/mmBtu)				0.470	0.249	0.191	0.284	0.190	0
Average NOx Rate (lb/mmBtu)	0.378	0.302	0.379	0.470	0.249	0.172	0.256	0.162	0
Fuel Used (mmBtu)	3,142,871	2,471,284	4,724,256	7,271,981	5,578,232	5,729,814	4,016,321	261,939	0
Tons per Year (TPY)	261.80	377.78	1043.92	1708.9	694.5	547.2	570.3	24.9	0

Baseline Period

Reduction Period
Unit Shutdown

DERC Generation Calculation

Baseline = (1997 EI + 1998 EI)/2
1376.42 TPY

Baseline Emission Rate (BER) = (1997 BER + 1998 BER)/2
0.425 lb NOx/mmBtu

Baseline Activity (BA) = Average annual fuel usage from 1997 and 1998
5,998,119 mmBtu

Strategy Emission Rate (SER) = Average Hourly NOx Emission Rate
0.000 lb NOx/mmBtu

Strategy Activity (SA) = Fuel usage during the reduction period
0 mmBtu

if SA => BA, then:
DERC = [(BER * BA) - (SER * SA)]

if SA < BA, then:
DERC = [(BER * BA) - (SER * BA)]

1,273.10 **DERC's**

NOVEMBER 25, 1997 CENTRAL POWER AND LIGHT COMPANY NE0025C

FACILITY INFORMATION

* * * * * * * * * * * * * * * SECTION 2-A AND SECTION 2-B * * * * * * * * * * * * * * *

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

FACILITY STATUS: ACTIVE (A) CHOOSE LETTER FROM BELOW ___ DATE FOR S, D, OR O CHOICE BELOW: (___/___/___)

[A - ACTIVE (OPERATING)]
[I - IDLE (FOR EMISSIONS INVENTORY YEAR)]
[S - PERMANENTLY SHUTDOWN (WILL NO LONGER OPERATE)]
[D - DEMOLISHED (REMOVED FROM THE SITE)]
[N - PERMITTED, BUT NOT BUILT]
[O - OWNERSHIP TRANSFERED TO NEW OWNER:]

COMMENT OR EXPLANATION: ~~15%~~ 17% ~~11%~~ 27% ~~11%~~ 9% ~~13%~~ 18%

OPERATING SCHEDULE AND PRODUCTION INFORMATION:

OPER SCHEDULE: 24.0 HR/DA 7 DA/WK 52 WK/YR SEASONAL PERCENTAGES: SUMMER: FALL: WINTER: SPRING:

* SCC: 10100601 FACILITY (SCC) DESCRIPTION: EXTCOMB BOILER ELECTRIC GENERATN NATURAL GAS >100MMBTU/HR EXTF

SCC PROCESS RATE UNITS: MM SCF (SCCPRU) START TIME: PERCENT OF MAXIMUM EMISSIONS POTENTIAL: ~~15.1%~~ 31.0%

** ANNUAL PROCESS RATE: ~~4763.00~~ 4763.00 MM SCF /YEAR ** OZONE SEASON PROCESS RATE: MM SCF /DAY

FACILITY COMMENTS: EMISSIONS HAVE BEEN TREATED AS GOING EQUALLY TO TWO STACKS.

FACILITY PARAMETER INFORMATION:

COMBUSTION UNITS UNIT TYPE: BOILER FIRING TYPE: FRONT DESIGN CAPACITY: 1450.00 MMBTU / HR

MMBTU / HR

TANKS DIAMETER: _____ FEET VAPOR SPACE HGT: __ FEET PRESSURE: ____ LBS / SQ INCH

ROOF TYPE: _____ ROOF COLOR: _____ SHELL COLOR: _____

PRIMARY SEAL: _____ SECONDARY SEAL: _____ TANK CAPACITY: _____ 1000 GAL

SHELL CONSTRUCTION: _____ PAINT CONDITION: ____ FILLING METHOD: _____

WASTEWATER TREATMENT FLOW MODEL: DEVICE TYPE: DEPTH: 0.0000 FT SURFCE AREA: 0.0000 M SQFT

AERATION: BIODEGRADATION: FLOW RATE: 0.0000 MMGAL / DAY

* MAY BE ASSIGNED BY THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
** INDICATE THE REFERENCED VALUES IN UNITS ASSOCIATED WITH THE SCC PROCESS RATE UNITS (SCCPRU)

NOVEMBER 25, 1997

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EMISSIONS POINT INFORMATION: STATUS: OPERATING

EPN: 3A POINT NAME: UNIT 3 STACK 4 UTM ZONE: 14 UTM EAST METERS: 636160 UTM NORTH METERS: 3080875

PARAMETERS	POINT TYPE: STACK	DIAMETER	HEIGHT	VELOCITY	TEMPERATURE
		FEET: 10.70	FEET: 149	FEET/SEC: 40.60	DEG F: 299

ABATEMENT INFORMATION:

CIN: _____ AB CODE: ___ DEVICE: _____ NO. UNITS: __

CONTROL EFFICENCIES - VOC: _____% SO2: _____% NOX: _____% TSP: _____% PM10: _____% CO: _____%

EMISSION FACTORS:

CRITERIA POLLUTANT	EMISSIONS FACTOR	EMISSIONS FACTOR UNITS	REFERENCE/SOURCE
VOC	1.4	lb/mmcf	AP42
NOX	438.3		CEMS
CO	40		AP42
SO2	0.6		
TSP	3.0		

* IF NOT REPORTED, 03 RATES MAY HAVE BEEN GENERATED BY COMPUTER.
** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE TONS/YEAR	PERMIT NUMBER
10000		PART-U	~~1.3750~~ 3.625 ~~3.25~~	AP42	~~20.0333~~		0.0000		
19999		TOTAL PARTICULATE	~~1.3750~~ 3.625 ~~3.25~~	AP42	~~20.0333~~		0.0000		
20000		PM10 PART-U	~~1.3750~~ 3.625 ~~3.25~~	AP42	~~20.0333~~		0.0000		
29999		TOTAL PM10 PARTICULATE	~~1.3750~~ 3.625 ~~3.25~~	AP42	~~20.0333~~		0.0000		
50001		NONMETHANE VOC-U	~~0.3750~~ 669 ~~336~~	AP42	~~12.4314~~		0.0000		
59999		VOC-TOTAL	~~0.3750~~ 669 ~~336~~	AP42	~~12.4314~~		0.0000		
60000	~~74828~~	~~METHANE~~	~~0.0000~~	AP42	0.0000		0.0000		
70400		NITROGEN OXIDES	~~110.3000~~ 521.96	CONTMON	~~2033.0352~~		0.0000		
70510		SULFUR DIOXIDE	~~0.3750~~ 2.73	AP42	~~5.3277~~		0.0000		

NOVEMBER 25, 1997

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EPN: 3A POINT NAME: UNIT 3 STACK A

* IF NOT REPORTED, OS RATES MAY HAVE BEEN GENERATED BY COMPUTER.
** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE TONS/YEAR	PERMIT NUMBER
90500		CARBON MONOXIDE	~~25.3200~~ 49.33	AP42	~~359.4690~~		0.0000		

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JAN 28 2004

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NOVEMBER

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EMISSIONS POINT INFORMATION: STATUS: OPERATING

EPN: 36 POINT NAME: UNIT 3 STACK 9 UTM ZONE: 14 UTM EAST METERS: 636160 UTM NORTH METERS: 3080875

PARAMETERS POINT TYPE: STACK DIAMETER FEET: 10.70 HEIGHT FEET: 149 VELOCITY FEET/SEC: 40.60 TEMPERATURE DEG F: 299

ABATEMENT INFORMATION:

CIN: _____ AB CODE: ___ DEVICE: _____ NO. UNITS: __

CONTROL EFFICIENCIES - VOC: ___.___% SO2: ___.___% NOX: ___.___% TSP: ___.___% PM10: ___.___% CO: ___.___%

EMISSIONS FACTORS:

CRITERIA POLLUTANT	EMISSIONS FACTOR	EMISSIONS FACTOR UNITS	REFERENCE/SOURCE
VOC	1.4	lb/mmcf	AP-42
NOX	439.3		CEMS
CO	40		AP-42
SO2	0.6		
TSP	3.8		

* IF NOT REPORTED, 03 RATES MAY HAVE BEEN GENERATED BY COMPUTER.
** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE PERMIT TONS/YEAR	NUMBER
10000		PART-U	~~1.6750~~ 3.625	AP42	~~26.6333~~		0.0000		
19999		TOTAL PARTICULATE	~~1.6750~~ 3.625	AP42	~~26.6343~~		0.0000		
20000		PM10 PART-U	~~1.8750~~ 3.626	AP42	~~26.6333~~		0.0000		
29999		TOTAL PM10 PARTICULATE	~~1.8750~~ 3.625	AP42	~~29.6333~~		0.0000		
50001		NONMETHANE VOC-U	~~0.8750~~ 1.69	AP42	~~12.4314~~		0.0000		
59999		VOC-TOTAL	~~0.8750~~ 1.69	AP42	~~12.4314~~		0.0000		
60000	~~74823~~	METHANE	~~0.0000~~	AP42	0.0000		0.0000		
70400		NITROGEN OXIDES	~~123.3700~~ 521.96	COMMON	~~2633.6352~~		0.0000		
70510		SULFUR DIOXIDE	~~0.1750~~ 0.73	AP42	~~5.3277~~		0.0000		

POOR QUALITY ORIGINAL

NOVEMBER 25, 1997

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EPN: 3B POINT NAME: UNIT 3 STACK 3

* IF NOT REPORTED, O3 RATES MAY HAVE BEEN GENERATED BY COMPUTER.
** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE TONS/YEAR	PERMIT NUMBER
90300		CARBON MONOXIDE	~~25.0200~~ 48.33	AP42	~~385.4693~~		0.0000		

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AIR PERMITS DIVISION

FACILITY INFORMATION
SECTION 2-A AND SECTION 2-B

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

FACILITY STATUS: ACTIVE (A) CHOOSE LETTER FROM BELOW: A DATE FOR S, D, OR O CHOICE BELOW: (__/__/__)

[A - ACTIVE (OPERATING)
I - IDLE (FOR EMISSIONS INVENTORY YEAR)
S - PERMANENTLY SHUTDOWN (WILL NO LONGER OPERATE)
D - DEMOLISHED (REMOVED FROM THE SITE)
N - PERMITTED, BUT NOT BUILT
O - OWNERSHIP TRANSFERED TO NEW OWNER:]

COMMENT OR EXPLANATION:

OPERATING SCHEDULE AND PRODUCTION INFORMATION:

OPER SCHEDULE: 24.0 HR/DA 7 DA/WK 52 WK/YR SEASONAL PERCENTAGES: SUMMER: 47% 35% FALL: 27% 27% WINTER: 8% 9% SPRING: 18% 27 ~~27~~%

* SCC: 10100601 FACILITY (SCC) DESCRIPTION: EXTCOMB BOILER ELECTRIC GENERATN NATURAL GAS >100MMBTU/HR EXTF

SCC PROCESS RATE UNITS: MM SCF (SCCPRU) START TIME: PERCENT OF MAXIMUM EMISSIONS POTENTIAL: 31.0% 57.3%

** ANNUAL PROCESS RATE: 6926.__ MM SCF /YEAR ** OZONE SEASON PROCESS RATE: 26.4 MM SCF /DAY

FACILITY COMMENTS: ~~EMISSIONS HAVE BEEN TREATED AS GOING EQUALLY TO TWO STACKS.~~ Emissions Treated as going to a single stack

FACILITY PARAMETER INFORMATION:

COMBUSTION UNITS UNIT TYPE: BOILER FIRING TYPE: FRONT DESIGN CAPACITY: 1450.00 MMBTU / HR
__.__ MMBTU / HR

TANKS DIAMETER: __.__ FEET VAPOR SPACE HGT: __ FEET PRESSURE: __.__ LBS / SQ INCH
ROOF TYPE: ROOF COLOR: SHELL COLOR:
PRIMARY SEAL: SECONDARY SEAL: TANK CAPACITY: 1000 GAL
SHELL CONSTRUCTION: PAINT CONDITION: FILLING METHOD:

WASTEWATER TREATMENT FLOW MODEL: DEVICE TYPE: DEPTH: 0.0000 FT SURFCE AREA: 0.0000 M SQFT
AERATION: BIODEGRADATION: FLOW RATE: 0.0000 MMGAL / DAY

* MAY BE ASSIGNED BY THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
** INDICATE THE REFERENCED VALUES IN UNITS ASSOCIATED WITH THE SCC PROCESS RATE UNITS (SCCPRU)

DECEMBER 29, 1998

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EMISSIONS POINT INFORMATION: STATUS: OPERATING

EPN: 3A POINT NAME: ~~UNIT 3 STACK A~~ Unit 3, Stacks A & B UTM ZONE: 14 UTM EAST METERS: 636160 UTM NORTH METERS: 3080875

PARAMETERS POINT TYPE: STACK DIAMETER FEET: 10.70 HEIGHT FEET: 149 VELOCITY FEET/SEC: 40.60 TEMPERATURE DEG F: 299

ABATEMENT INFORMATION:

CIN: _____ AB CODE: ___ DEVICE: _____ NO_x UNITS: ___

CONTROL EFFICENCIES - VOC: ___.___% SO2: ___.___% NOX: ___.___% TSP: ___.___% PM10: ___.___% CO: ___.___%

EMISSIONS FACTORS: CRITERIA POLLUTANT	EMISSIONS FACTOR	EMISSIONS FACTOR UNITS	REFERENCE/SOURCE
VOC	3.2	lb/mmscf	AP42
NOX	0.47	lb/mmBtu	CEM
CO	84	lb/mmscf	AP42
SO2	0.0006	lb/mmBtu	AP42 - CEM
TSP	7.6	lb/mmscf	AP-42

* IF NOT REPORTED, O3 RATES MAY HAVE BEEN GENERATED BY COMPUTER.
** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE TONS/YEAR	PERMIT NUMBER
10000		PART-U	~~3.6250~~ 26.3	AP42	~~37.2397~~ 200.0		0.0000		
19999		TOTAL PARTICULATE	~~3.6250~~ 26.3	AP42	~~37.2397~~ 200.0		0.0000		
20000		PM10 PART-U	~~3.6250~~ 26.3	AP42	~~37.2397~~ 200.0		0.0000		
29999		TOTAL PM10 PARTICULATE	~~3.6250~~ 26.3	AP42	~~37.2397~~ 200.0		0.0000		
50001		NONMETHANE VOC-U	~~1.6900~~ 11.1	AP42	~~17.3614~~ 85.0		0.0000		
59999		VOC-TOTAL	~~1.6900~~ 11.1	AP42	~~17.3614~~ 85.0		0.0000		
60000	74828	METHANE	0.0000	AP42	0.0000		0.0000		
70400		NITROGEN OXIDES	~~521.9600~~ 1708.9	CONTMON	5362.1165 13028.		0.0000		
70510		SULFUR DIOXIDE	~~0.7800~~ 1.0	AP42	~~1.4993~~ 15.0		0.0000		

DECEMBER 29, 1998

CENTRAL POWER AND LIGHT COMPANY NE0025C
POINT, CONTROL DEVICE AND EMISSIONS INFORMATION
SECTION 2-C AND SECTION 4

FIN: LCH3 FACILITY NAME: UNIT 3 BOILER PLANT ID: L.C.H.

EPN: 3A POINT NAME: UNIT 3 STACK A

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** UPSETS AND MAINTENANCE EMISSIONS ARE REPORTED SEPARATELY

CNTM CODE	CAS NUMBER	CONTAMINANT NAME	ACTUAL TONS/YEAR	DETERM METHOD	* OZONE SEASON LBS / DAY	** MAINTENANCE TONS/YEAR	** UPSET TONS/YEAR	ALLOWABLE TONS/YEAR	PERMIT NUMBER
90300		CARBON MONOXIDE	~~48.9300~~ 248.9	AP42	~~496.4960~~ 2218.		0.0000		