

[Return to Sharenet](#)**07/30/2018 ----- EBTP IMS- PROJECT RECORD -----**

PROJECT#: 90461      STATUS: C      DISP CODE: \_\_\_\_\_  
RECEIVED: 07/01/2002      PROJTYPE: BDRC      ISSUED DT: 02/18/2003  
SUP-DISP DATE: 02/14/2003

---

**PROJECT TRANSACTIONS****COMPANY DATA**

COMPANY NAME: TXU GENERATION COMPANY LP  
CUSTOMER REGISTRY ID: CN600135511

**PORTFOLIO DATA**

NUMBER: P0796 NAME: NORTH LAKE STEAM - DB0251U

**SITE DATA**

ACCOUNT: DB0251U  
REG ENTITY ID: RN101559854  
SITE NAME: NORTH LAKE STEAM ELECTRIC STATION  
COUNTY: DALLAS      NEAREST CITY: COPPELL  
LOCATION: 14901 NORTHLAKE RD, COPPELL, TX

**CONTACT DATA**

NAME: AAR CONTACT      TITLE: AAR Contact Needed  
ROLE: AAR  
STREET: ADDRESS  
CITY/STATE, ZIP: CITY, TX , 11111-1111  
PHONE: 111-111-1111 -1111  
EMAIL: AAR@COMPANY.COM

**TRANSACTION DATA**

TRANSACTION TYPE: DERC\_GEN  
DATE ENTERED:      DELETED DATE: 2008-07-11 00:00:00.0 EFFECTIVE YEAR:  
CONTAMINATE: **NOX\_N**      TONS: **117.00**      DOLLARS: **0**  
ALLOWANCE **0**      CERTIFICATE NO.: **0**      COUNTY : **DALLAS**

---

**COMPANY DATA**

COMPANY NAME: TXU GENERATION COMPANY LP  
CUSTOMER REGISTRY ID: CN600135511

**PORTFOLIO DATA**

NUMBER: P0796 NAME: NORTH LAKE STEAM - DB0251U

**SITE DATA**

ACCOUNT: DB0251U  
REG ENTITY ID: RN101559854  
SITE NAME: NORTH LAKE STEAM ELECTRIC STATION  
COUNTY: DALLAS      NEAREST CITY: COPPELL

LOCATION: 14901 NORTHLAKE RD, COPPELL, TX

**CONTACT DATA**

NAME: AAR CONTACT

TITLE: AAR Contact Needed

ROLE: AAR

STREET: ADDRESS

CITY/STATE, ZIP: CITY, TX , 11111-1111

PHONE: 111-111-1111 -1111

EMAIL: AAR@COMPANY.COM

**TRANSACTION DATA**

TRANSACTION TYPE: DERC\_GEN

DATE ENTERED:

DELETED DATE: 2008-07-11 00:00:00.0 EFFECTIVE YEAR:

CONTAMINATE: **NOX\_O**

TONS: **381.50**

DOLLARS: **0**

ALLOWANCE**0**

CERTIFICATE NO.: **0**

COUNTY : **DALLAS**

---

**TRACKING ACTIVITIES**

PROJECT COMPLETED : 02/18/2003

## Discrete Emission Reduction Credits (DERCs) Verification Technical Review

Permit No: **B24**  
Project Type: **BDRC**  
Record No: **90461**  
Account No: **DB-0251-U**  
Graduate Engineer: **Grant Cottingham**

Company: **TXU**  
Facility Name: **North Lake SES**  
City: **Coppell**  
County: **Dallas**

### Project Overview

TXU has generated DERCs from three Utility Boilers ( Boilers NL1, NL2, and NL3) at the North Lake Electric Station Power Plant from March 1, 2000 through February 28, 2001 and from March 1, 2001 through March 30, 2001. TXU will receive 609.9 tons of NO<sub>x</sub> DERCs for the ozone season.

### Emission Reductions Summary

A combination of Selective Flue Gas Recirculation (SFGR) and Induced Flue Gas recirculation (IFGR) was installed on Boiler NL2 on December 15, 2000. IFGR is when flue gas extracted at the economizer outlet or air preheater outlet is used as an inert diluent in the combustion process to reduce the peak flame temperature by absorbing thermal energy. SFGR uses the same principle as FGR except flue gas is ducted to the forced draft fan inlets where it is drawn into the combustion air.

Burners-Out-Of-Service Firing (BOOS) was used on Boilers NL1 and NL3. BOOS involves taking certain burners out of service to simulate air staging. Fuel is stopped to the selected burners while the combustion air remains operating.

### Emission Reduction Calculation Methods

A Continuous Emission Monitor (CEM) was used to determine the activity level and emissions from the North Lake Power Plant. The ozone season activities and emissions were separated as outlined in 30 TAC Section 101.372(g) which states that, in areas having an ozone season of less than 12 months, NO<sub>x</sub> DERCs generated in a non-ozone season may not be used during the ozone season. The ozone season accounts for all months except for January, February, November and December.

The baseline activity (BA) was multiplied by the baseline emission rate (BER) to determine the baseline emissions for the ozone and non-ozone seasons. TXU chose to comply with the Alternative System-wide Emissions Specifications for Reasonably Available Control Technology (RACT) of Title 30 Texas Administration Code (TAC) Section §117.107. They had to comply with the Alternative RACT limit beginning March 31, 2001. Since the strategic emissions occurred from April 1, 2001 to March 31, 2002, the BER was limited to the Alternative RACT level which was the most stringent emission rate. The following examples are for Boiler NL1 averaged over 1998 and 1999:

- ☐ Ozone Season:  $4,320,229 \text{ mmBTU} \times 0.17 \text{ lbs/mmBTU} \div 2,000 \text{ lbs/ton} = 367.2 \text{ tons NO}_x$
- ☐ Non-Ozone Season:  $541,028 \text{ mmBTU} \times 0.17 \text{ lbs/mmBTU} \div 2,000 \text{ lbs/ton} = 46.0 \text{ tons NO}_x$

The 1998 Emission Inventory (EI) emissions, the 1998 EPA Acid Rain emissions, and the actual emissions were reviewed to determine whether they were reported in the year 1998 which was the year that Electric Utilities were used for the state implementation plan (SIP) of the Dallas/Ft. Worth Non-attainment Area. The baseline emissions were lower than the 1998 Acid Rain and EI emissions.

For the ozone season, the strategic activity (SA) was lower than the BA. The BA times the strategic emission rate (SER) was subtracted from the BA multiplied by the BER to determine the amount of DERCs. For the non-ozone season, the SA was higher than the BA. The SA was multiplied by the SER and subtracted from the BA times the BER.

- ☐ Ozone Season:  $4,320,229 \text{ mmBTU} \times 0.139 \text{ lbs/mmBTU} \div 2,000 \text{ lbs/ton} = 300.3 \text{ tons NO}_x$
- ☐ Non-Ozone Season:  $620,997 \text{ mmBTU} \times 0.121 \text{ lbs/mmBTU} \div 2,000 \text{ lbs/ton} = 37.6 \text{ tons NO}_x$

- ☐ (BA x BER) - (BA x SER): Ozone Season: 367.2 - 300.3 = 66.9 tons NO<sub>x</sub>
- ☐ (BA x BER) - (SA x SER): Non-Ozone Season 46.0 - 37.6 = 8.4 tons NO<sub>x</sub> (DERCs)

**Title 30 TAC Chapter 101, Subchapter H**

- A. Applicable Pollutants - Qualified reductions of VOC and NO<sub>x</sub>: .....NO<sub>x</sub>
- B. Date reduction achieved: .....04/01/01 - 03/30/02  
Most recent year of emissions inventory used for SIP determination: ..... 1998 (EPA Acid Rain Database)
- C. Eligible Source: ..... Stationary Source
- D. Ozone nonattainment Area: ..... Dallas/Ft. Worth

**Generation Method:**

TXU over controlled their plant emissions below the Alternative System-Wide Emission Specification as allowed in 30 TAC Section 117.107 by using BOOS, SFGR and IFGR System modifications. The 30 day average limits of 0.17, 0.17, and 0.24 pounds of NO<sub>x</sub> per mmBTU were used as the BER for NL1, NL2, and NL3, respectively, because they were the lower of the 24 hour and 30 day average specifications.

**Control Requirements:**

MACT Standards:	n/a
NESHAPS:	n/a
NSPS:	n/a
Chapter 114:	n/a
Chapter 115:	n/a
Chapter 117:	117.107
Compliance Schedule:	March 31, 2001

**Conclusion:**

TXU's emission reduction meets all of the credibility requirements of being real, surplus, and quantifiable. They will receive 381.5 and 117.0 tons of NO<sub>x</sub> DERCs for the ozone and non-ozone seasons.

Permit Engineer

Date

Team Leader/Section Manager/Backup

Date

EMISSIONS RATE DATA FOR GENERATION (Attachment A)																
EPN	FIN	Unit Type	Pollutant	Yr	Baseline Activity		Baseline ER		Regulatory ER <sup>a</sup>		Actual Emissions		Allowable <sup>c</sup> Emissions	Emissions		Creditable ERCs
					Activity	Data Source <sup>d</sup>	Emission Rate	Data Source <sup>d</sup>	Emission Rate	Data Source <sup>d</sup>	Emissions	Average <sup>b</sup>		Yr	Tons	
NL-S1A NL-S1B	NL-B1	Boiler	NO <sub>x</sub> (Ozone)	98	4534577	CEMS	0.281	CEMS	0.17	117.107	385.4	367.2	GF	01	300.3	66.9
				99	4105882	CEMS	0.269	CEMS	0.17	117.107	349.0					
NL-S1A NL-S1B	NL-B1	Boiler	NO <sub>x</sub> (Non-Ozone)	98	609735	CEMS	0.220	CEMS	0.17	117.107	51.8	46.0	GF	01	37.6	8.4
				99	472322	CEMS	0.209	CEMS	0.17	117.107	40.1					
NL-S2A NL-S2B	NL-B2	Boiler	NO <sub>x</sub> (Ozone)	98	4579258	CEMS	0.303	CEMS	0.17	117.107	389.2	321.0	GF	01	241.7	79.3
				99	2974514	CEMS	0.272	CEMS	0.17	117.107	252.8					
NL-S2A NL-S2B	NL-B2	Boiler	NO <sub>x</sub> (Non-Ozone)	98	527739	CEMS	0.215	CEMS	0.17	117.107	44.9	56.5	GF	01	39.4	16.9
				99	800609	CEMS	0.221	CEMS	0.17	117.107	68.0					
NL-S3A NL-S3B	NL-B3	Boiler	NO <sub>x</sub> (Ozone)	99	7205586	CEMS	0.357	CEMS	0.24	117.107	864.7	922.7	GF	01	687.4	235.3
				00	8241518	CEMS	0.238	CEMS	0.24	117.107	980.7					
NL-S3A NL-S3B	NL-B3	Boiler	NO <sub>x</sub> (Non-Ozone)	99	1763169	CEMS	0.292	CEMS	0.24	117.107	211.6	344.0	GF	01	252.2	91.7
				00	3969618	CEMS	0.248	CEMS	0.24	117.107	476.4					

<sup>a</sup> The reported Regulatory Emission Rate will be the lower of the regulatory emission rate during the baseline year or the regulatory emission rate at the time of registration.


<sup>b</sup> Average emissions are determined by multiplying the yearly Baseline Activity by the lower of the yearly Baseline Emission Rate or Regulatory Emission Rate and taking the average of the two years.

<sup>c</sup> Allowables should be reported in accordance with a permit, Agreed Order, OP-CRE1, PI-8, etc.

<sup>d</sup> Data source is the point of reference for the provided data. (e.g. - operating log, stack test, state regulation, etc.)

Regulated Entity Detail					
Regulated Entity Name:	NORTH LAKE STEAM ELECTRIC STATION		RN:	RN101559854	
Status:	Active	Status Comment:		Stand Alone:	N
Physical Address:	14901 S NORTHLAKE RD COPPELL, TX 75019-9610			County:	DALLAS
Physical Location:					
Nearest City:	COPPELL	State:	TX	Zip Code:	75019
Latitude:	32° 57 min 1 sec (32.950277)		Longitude:	96° 58 min 32 sec (-96.975555)	

1-4 of 4 Records

Affiliated Customers					List All
CN Number	Customer* 	Role	Begin Date	End Date	RE Comp Hist
<a href="#">CN603256413</a>	<a href="#">LUMINANT GENERATION COMPANY LLC</a>	VOLUNTEER CLEANUP APPLICANT	09/4/2013	12/31/3000	N/A
<a href="#">CN603517772</a>	<a href="#">PRC ENVIRONMENTAL INC</a>	OPERATOR	08/26/2010	12/31/3000	UNCLASSIFIED
<a href="#">CN600128490</a>	<a href="#">TU ELECTRIC</a>	OWNER	10/27/1986	12/31/3000	UNCLASSIFIED
<a href="#">CN600135511</a>	<a href="#">TXU GENERATION COMPANY LP</a>	OWNER OPERATOR	01/1/2002	12/31/3000	UNCLASSIFIED

1-25 of 25 Records

Program Interests									
Program	RE Type	ID Type	Addn ID	Addn ID Status	Alt RE Name	Role	Customer Name (CN)	Begin Date - End Date	View 'Issued To' History
AIR EMISSIONS INVENTORY	SITE	ACCOUNT NUMBER	<a href="#">DB0251U</a>	ACTIVE					<a href="#">View</a>
AIR NEW SOURCE PERMITS	SITE	PERMIT	<a href="#">45416</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU GENERATION COMPANY LP (CN600135511)</a>	05/11/2006 - 10/09/2007	<a href="#">View</a>
AIR NEW SOURCE PERMITS	SITE	PERMIT	<a href="#">45416</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">LUMINANT GENERATION COMPANY LLC (CN603256413)</a>	08/24/2010 - 08/28/2010	<a href="#">View</a>
AIR NEW SOURCE PERMITS	SITE	ACCOUNT NUMBER	<a href="#">DB0251U</a>	ACTIVE					<a href="#">View</a>
AIR NEW SOURCE PERMITS	SITE	AFS NUM	<a href="#">4811300012</a>	ACTIVE					<a href="#">View</a>
AIR OPERATING PERMITS	SITE	PERMIT	<a href="#">61</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU ELECTRIC COMPANY (CN601537566)</a>	07/27/1980 - 01/01/2002	<a href="#">View</a>
AIR OPERATING PERMITS	SITE	PERMIT	<a href="#">61</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU GENERATION COMPANY LP (CN600135511)</a>	01/01/2002 - 10/09/2007	<a href="#">View</a>
AIR OPERATING PERMITS	SITE	PERMIT	<a href="#">61</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU Generation Company LP (CN600135511)</a>	11/12/2007 - 12/31/3000	<a href="#">View</a>
AIR OPERATING PERMITS	SITE	PERMIT	<a href="#">61</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">LUMINANT GENERATION COMPANY LLC (CN603256413)</a>	08/24/2010 - 08/28/2010	<a href="#">View</a>
AIR OPERATING PERMITS	SITE	ACCOUNT NUMBER	<a href="#">DB0251U</a>	ACTIVE					<a href="#">View</a>
IHW CORRECTIVE ACTION	SITE	SOLID WASTE REGISTRATION #	<a href="#">31882</a>	INACTIVE	55K GALLON FUEL OIL TANK	OWNER OPERATOR	<a href="#">TXU GENERATION COMPANY LP</a>	05/11/2006 - 10/09/2007	<a href="#">View</a>

		(SWR)					<a href="#">(CN600135511)</a>		
IHW CORRECTIVE ACTION	SITE	SOLID WASTE REGISTRATION # (SWR)	<a href="#">31882</a>	INACTIVE	55K GALLON FUEL OIL TANK	OWNER OPERATOR	<a href="#">LUMINANT GENERATION COMPANY LLC (CN603256413)</a>	08/24/2010 - 08/28/2010	<a href="#">View</a>
INDUSTRIAL AND HAZARDOUS WASTE	SITE	SOLID WASTE REGISTRATION # (SWR)	<a href="#">31882</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU GENERATION COMPANY LP (CN600135511)</a>	01/01/2002 - 10/09/2007	<a href="#">View</a>
INDUSTRIAL AND HAZARDOUS WASTE	SITE	SOLID WASTE REGISTRATION # (SWR)	<a href="#">31882</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">LUMINANT GENERATION COMPANY LLC (CN603256413)</a>	08/24/2010 - 08/28/2010	<a href="#">View</a>
INDUSTRIAL AND HAZARDOUS WASTE	SITE	EPA ID	<a href="#">TXD000838946</a>	ACTIVE	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU Generation Company LP (CN600135511)</a>	05/03/2011 - 12/31/3000	<a href="#">View</a>
INDUSTRIAL AND HAZARDOUS WASTE	SITE	SOLID WASTE REGISTRATION # (SWR)	<a href="#">31882</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STATION	OWNER OPERATOR	<a href="#">TXU Generation Company LP (CN600135511)</a>	05/03/2011 - 12/31/3000	<a href="#">View</a>
PETROLEUM STORAGE TANK REGISTRATION	FACILITY	REGISTRATION	<a href="#">28759</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STA	OWNER	<a href="#">TU ELECTRIC (CN600128490)</a>	10/27/1986 - 12/31/3000	<a href="#">View</a>
PETROLEUM STORAGE TANK STAGE II	FACILITY								
STORMWATER	SITE	PERMIT	<a href="#">TXR15QO78</a>	CANCELLED	NORTHLAKE POWER PLANT DEMO	OPERATOR	<a href="#">PRC ENVIRONMENTAL INC (CN603517772)</a>	08/26/2010 - 12/31/3000	<a href="#">View</a>
STORMWATER	SITE	PERMIT	<a href="#">TXR15UC43</a>	EXPIRED	NORTHLAKE POWER PLANT DEMO	OPERATOR	<a href="#">PRC ENVIRONMENTAL INC (CN603517772)</a>	01/31/2012 - 12/31/3000	<a href="#">View</a>
VOLUNTARY CLEANUP PROGRAM	SITE	ID NUMBER	<a href="#">2609</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STATION	AGENT	<a href="#">ENERGY FUTURE HOLDINGS CORP (CN603431750)</a>	09/04/2013 - 09/04/2013	<a href="#">View</a>
VOLUNTARY CLEANUP PROGRAM	SITE	ID NUMBER	<a href="#">2609</a>	INACTIVE	NORTH LAKE STEAM ELECTRIC STATION	VOLUNTEER CLEANUP APPLICANT	<a href="#">Luminant Generation Company LLC (CN603256413)</a>	09/04/2013 - 12/31/3000	<a href="#">View</a>
WASTEWATER	SITE	PERMIT	<a href="#">WQ0001249000</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER	<a href="#">LUMINANT GENERATION COMPANY LLC (CN600135511)</a>	11/13/2007 - 12/31/3000	<a href="#">View</a>
WASTEWATER	SITE	PERMIT	<a href="#">WQ0001249000</a>	CANCELLED	NORTH LAKE STEAM ELECTRIC STATION	OWNER	<a href="#">LUMINANT GENERATION COMPANY LLC (CN603256413)</a>	08/24/2010 - 08/28/2010	<a href="#">View</a>
WASTEWATER	SITE	EPA ID	<a href="#">TX0030295</a>	ACTIVE	NORTH LAKE STEAM ELECTRIC STATION				<a href="#">View</a>

\*The Customer Name displayed may be different from the Customer Name associated with the Additional ID. This name may be different due to ownership changes, legal name changes, or other administrative changes.

Mr. Dick Robertson  
Air Quality Manager  
TXU  
1601 Bryan Street  
Dallas, Texas 75201-3411

Re: Review of Discrete Emission Reduction Credits (DERCs) Generation  
North Lake Steam Electric Station DERC Generation  
Coppell, Dallas County  
Account Number: DB-0251-U

Dear Mr. Robertson:

This letter is in response to your Form DEC-1 (Notice of Generation of DERCs) dated August 20, 2002. We have determined that the information contained in your registration is complete. This review verifies that all information needed for credit review has been received and verified.

Certified nitrogen oxide (NO<sub>x</sub>) DERCs in the amounts of 66.9, 79.3, and 235.3 tons for the ozone season from Utility Boilers NL1, NL2, and NL3, respectively, at the Mountain Creek Steam Electric Station Plant have been deposited in the Texas Commission on Environmental Quality (TCEQ) DERC Registry. Another 8.4, 16.9, and 91.7 tons of NO<sub>x</sub> DERCs for the non-ozone season from Utility Boilers NL1, NL2, and NL3 have also been deposited in the Registry. These credits may be transferred or sold to another owner per the requirements of Title 30 Texas Administrative Code §§ 101.370 through 101.374. However, a completed and signed Form DEC-4 (Application for Transfer of Discrete Emission Reduction Credits) must be submitted to the TCEQ Emissions Credit Bank when ownership of the credits changes.

Thank you for your cooperation in this matter. If you have questions concerning this transaction or need further assistance regarding the banking program, please call Mr. Grant Cottingham at (512) 239-1597 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-162), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

John F. Steib, Jr., Director  
Air Permits Division  
Office of Permitting, Remediation & Registration

JS/GC/bs

cc: Mr. Tony L. Walker, Air Program Manager, Region 4 - Fort Worth

Record Number 90461



bcc: File Copy

AIR PERMITS DIVISION MC-162

MR DICK ROBERTSON  
AIR QUALITY MANAGER  
TXU  
1601 BRYAN ST  
DALLAS TX 75201-3411