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FA - PROJECT ISSUED :

# The State of Texas

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Certificate Number:

D-2256



Number of Credits:

0.3 tons NOX



# Discrete Emission Reduction Credit Certificate

This certifies that Temple-Inland 1750 Inland Rd. Orange, TX 77632

is the owner of 0.3 tons of nitrogen oxides (NOx) discrete emission reduction credits established under the laws of the State of Texas, transferable only on the books of the Texas Commission on Environmental Quality, by the holder hereof in person or by duly authorized Attorney, upon surrender of this certificate.

The owner of this certificate is entitled to utilize the discrete emission credits evidenced herein for all purpose authorized by the laws and regulations of the State of Texas and is subject to all limitations prescribed by the laws and regulations of the State of Texas.

Discrete Emission Reduction Generation Period: January, 1 1998 to December 31, 1998

Generator Regulated Entity No.: RN100216035

Generator Certificate: Serial Numbers 20700-20729 or D-1189

County of Generation: Orange

May 14, 2010

Date

For the Commission

### DISCRETE EMISSION CREDITS TECHNICAL REVIEW

Project No.: Project Type: Company: City: Project Reviewer: 402005 BUSE Temple-Inland Orange Mr. Luke Baine Customer Reference No.: Regulated Entity No.: Facility Name: County: Portfolio Name: CN602787053 RN100214428 Orange Linerboard Facility Orange P1854

#### **Project Overview**

Temple-Inland has submitted a Form DEC-3, "Notice of Use of Discrete Emission Credits", dated August 7, 2007. They are following up on a previous submitted Intent to Use project number 400528. A total amount of 6.3 tons of NO<sub>x</sub> credits were set aside from certificate D-1260. Temple-Inland will use 0.3 tons of DERC's to meet the requirements of 30 TAC 117.110(a)(1) (formerly 117.206(a)(1)) on a gas fired boiler with an ESAD of 0.10 lb-NO<sub>x</sub>/MMBtu.

#### **Discrete Emission Credit / Emission Reduction Credit Use**

P-POWB does not traditionally meet the 0.10 lb/MMBtu ESAD rate. In order to comply with this limit, Temple-Inland proposes DERC use to cover the difference. The actual emission rate was the result of boiler operating data and NOx CEMS data. Their actual use was 0.3 tons of NOx credits.

Certificate(s) to be used	D-1260
Pollutant	NO <sub>x</sub>
Amount	
Regulation	
Use period/Use Date	

#### **Credit Use Calculation Methods**

The formula used is: (ALA) x (AER - RER) from 30 TAC § 101.376 (e)(2)(A) For FIN P-POWB, a gas fired boiler with an ESAD of 0.10 lb-NO<sub>x</sub>/MMBtu, DERCs required =  $(5494) \times (0.171 - 0.10)/2000 = 0.195 \text{ tons} \sim 0.2 \text{ tons}$ 0.2 + 10% Environmental contribution =  $0.22 \text{ tons} \sim 0.3 \text{ tons}$ The total DERCs to be used will be 0.3 tons

#### **Conclusion**:

Temple-Inland, has submitted all required documentation for DERC use to comply with 30 TAC §117.110(a)(1). The calculation method submitted by Temple-Inland using the 2/3 reduction was replaced with the full reduction method (30 TAC §117.9000(3)(D)). The TCEQ requires an environmental contribution of 10% of credits required but the compliance margin does not apply because less than 10 tons of DERCs will be used (30 TAC §101.376(d)(2)(D & E)). A total of 0.3 tons of NO<sub>X</sub> credits will be used from certificate D-1260. Certificate D-1260 and D-2256, generated for the use of 0.3 tons, will be canceled and a retain certificate, D-2259 with 6.0 tons of NO<sub>X</sub> credits, will be returned to Temple-Inland.

5/12/10

**Project Reviewer** 

Date

Team Leader/Section Manager/Backup Date

**Temple-Inlai** 

August 3, 2007

Delivery confirmation requested Certified mail #70041350000460806598

Mr. Steven Sun Texas Commission on Environmental Quality Emissions Banking and Trading Program, MC 163 Building C 12100 Park 35 Circle Austin, TX 78753

RE: Notice of Intent to Use Discrete Emission Credits (Form DEC-3) Temple-Inland Orange Linerboard Facility Account # OC-0019-C

Dear Mr. Sun:

Temple-Inland operates a linerboard facility in Orange, Texas. This facility operates one boiler (Package Boiler was decomisioned) subject to the Emission Specifications for Attainment Demonstration (ESADs) [see 30 TAC 117.206(a)] for the Beaumont/Port Arthur Area which were effective May 1, 2003. As allowed by 30 TAC 117.206(f)(1)(C) and 117.570(a), Temple-Inland is complying with the ESAD limitation for this boiler by purchasing and consuming NO<sub>x</sub> discrete emission credits (DERCs). Temple-Inland submits today the completed DEC-3, which represents an accounting of the actual NOx DERCs used in the previous 12-month compliance period, May 1, 2006-May 1, 2007.

As we indicated in our original submittal in March, 2003, we have used actual boiler operating data and NOx CEMS data to calculate the tons of NOx consumed in the past compliance period.

If you have any further questions about Temple-Inland's use of DERCs or the information provided in this letter, please feel free to call me at (409) 746-7416.

Respectfully yours,

John E. Melancon Environmental Manager

Enclosure

1750 Inland Rd. Orange, TX 77632

Form DEC-3 (Page 1)

### Notice of Use of Discrete Emission Credits (Title 30 Texas Administrative Code § 101.370 - § 101.379)

<b></b>	Company Identifying Information	
А.	Company Name: TEMPLE - INLAND	
	Mailing Address: TEMPLE - INVAND	
	City: ORANGE State: TEXAS	Zip Code: 77632
	Telephone: (409) 746 7416	Fax: (409) 7467537
В.	TCEQ Customer Number (CN): CN 602787053	·
C.	Site Name: ORANGE MIU	<u></u>
	Street Address: (if no street address, give driving directions to site)	1750 INLAND LOAD
	Nearest City: ORANGE Zip Code: 77632	County: ORANGE
D.	TCEQ Regulated Entity Number (RN): RN 100214428	
Е.	TCEQ Account Number: (if applicable) OC - 00 19C	
F.	Primary SIC: 2631	Air Permit Number: 9654A; PSD-TX-684
п.	Technical Contact Identifying Information	
А.	Technical Contact Name: (XMrMrsMsDr.) JOHN E	MELANCON
	Technical Contact Title: ENVILONMENTIM MAMAGER	
	Mailing Address: 1750 (NUAND 1040	
	City: OKANGE State: TEXAS   Telephone: Y09 7467416 Fax: Y09 - 7467537 E-mail: J04	Zip Code: 77632
	Telephone: 409 7467416 Fax: 409-7467537 E-mail: JOH	N MELANOR TEMPLE INLAND. COM
11.	Mass Emission Cap and Trade Program (MECT)	
	Is the DERC use for compliance with 30 TAC Chapter 101, Subchapter I	H, Division 3? 🛛 Yes 💢 No
	Year DERC Generated: $\frac{N/A}{A}$ Year of use: $\frac{N/A}{A}$ Ratio of D	DERC to Allowance: to/A
	Note: If DERC use is to comply with MECT then go to Section IX	
IV.	Use Period	te: 05/01/07
R <sup>P</sup> ASSIN	Use Start Date: OS/01/06 Use End Dat	
<u>v.</u>	State and Federal Requirements	
	Applicable State and Federal requirements that the DERCs were used for 30 TAC $M7.$ 206 (a) (A), $M7.206(d)(A)(A)(i)$ ; $M$	(7.70b(f)(1)(c))
VI.	Most Stringent Emission Rate	
teration parameter	ibe basis for most stringent allowable emission rate: D Permit <u>MA</u>	RACT MA Sother: ESAD
Notes		

TCEQ 10393 (Revised 2/07) DEC-3 Form Notice of Use of Discrete Emission Credits. This form is for use by sources subject to air quality permit requirements and may be revised periodically.

Page \_\_\_\_\_ of \_\_\_\_\_

8/7/07



### Form DEC-3 (Page 2) Notice of Use of Discrete Emission Credits (Title 30 Texas Administrative Code § 101.370 - § 101.379)

					Ca	lculation of DERCs			
Emission Point No.	FIN	Air Contam- inant	Actual Activity (units)	Actual Emission Rate (units)	Actual Total Emissions . (tons)	Regulated Activity (units)	Regulated Emission Rate (units)	Regulated Total Emissions (tons)	DERCs 🛠 Used (tons)
2A	P-POWB	NOX	699,284 (MMBTV/YR)	0.08 (LB/ MBTU)	28.24	5,494 (MMBTV/YR)	0.171 (LB   AMBTU)	0.47	0.31
					4 m				
							-		<u></u>
								-	
								Total:	0.31

TCEQ 10393 (Revised 2/07) DEC-3 Form Notice of Use of Discrete Emission Credits. This form is for use by sources subject to air quality permit requirements and may be revised periodically. .

Form DEC-3 (Page 3) Notice of Use of Discrete Emission Credits (Title 30 Texas Administrative Code § 101.370 - § 101.379)

ICER					
VIII. Brotocol					
Protocol used to calculate Note: Attach the actual ca PUEASE SEE AT	lculations that were	used to determine the ADSHGET FOR			
IX. Total DERCs Use	d (round up to the r	nearest tenth of a ton	) 		
Tons of DERCs required (from Sect. VI.)	CO:	NO <sub>x</sub> : <u>0.47</u>	PM <sub>10</sub> :	SO <sub>2</sub> :	VOC:
Offset Ratio (if required)	co:	NO <sub>x</sub> : <u>0.31</u>	PM <sub>10</sub> :	SO <sub>2</sub> :	voc:
Environmental Contribution (+ 10%)	co:	NO <sub>x</sub> : <u>0.04</u>	PM 10:	SO <sub>2</sub> :	voc:
Total DERCs Used	co:	NO <sub>x</sub> : <u>0.5</u>	PM <sub>10</sub> :	SO <sub>2</sub> :	VOC:
X. DERC Informatio	n - Ser				
Name of the DERC Genera DERC Generator Regulate Certificate number of the D Note: The certificate numb	d Entity Number: DERCs used: 20 7	<u>)E -0033-C 730 AND 21892</u>		BEANDOT WORK	<u>(1)</u>
XI. Purchase Dates an		1022			
	ar an	···· · · · · · · · · · · · · · · · · ·	n2		
Date on which the DERCs Price of the DERCs: <u>\$</u> 7	-		<u></u>		
XII. CERTIFICATION	I BY RESPONSIBI	LE OFFICIAL			
I, <u>THOMAS</u> C. Sw application is correct an federal rules and regulat certification is not in any air quality rule or regula making or causing to be OFFENSE subject to cri generation and use of dia to the generation and use	d the use strategy of tions. I further state y way in violation tion of the Texas C made false materia iminal penalties. I screte emission cree e of discrete emiss	claimed on this notic te that to the best of r of 30 TAC, Subchap Commission on Envi al statements or repro- hereby also waive the edits. I hereby also w	the has met the requi- my knowledge and oter H, Division 4, § ironmental Quality a esentations in this c he Federal statute of	rements of all applie belief the information \$101.370-101.379 of and that intentionall certification is a CR f limitations defense	cable state and on in this r any applicable ly or knowingly IMINAL e in regards to the defense in regards
Title MILL MA	MAGER				

TCEQ 10393 (Revised 2/07) DEC-3 Form Notice of Use of Discrete Emission Credits. This form is for use by sources subject to air quality permit requirements and may be revised periodically.

### ESAD Compliance for Beaumont - Porth Arthur Area (BPA) Discrete Emission Reduction Credit (DERC) Calculations for Form DEC-3 Sources: PFI Boiler (EPN 2A) Period: 05/01/06 to 05/01/07

Description	Туре	Value	Units
ESAD limit in 30 TAC 117.206(a)(1) for boilers in BPA:	Gas-fired industrial boilers	0.1	lb/MMBtu
Inland actual Emission Rate for period 05/01/06 to 05/01/07 (*)	PFI Boiler	0.171	lb/MMBtu
	Package Boiler	0	lb/MMBtu
Actual activity for period from 05/01/06 to 05/01/07 (*)	PFI Boiler	5,494	MMBtu/yr
······································	Package Boiler	0	MMBtu/yr

PFI and Package Boiler Activity Summary

(\*) Only when DERCs were needed

### **DERC Calculation Summary**

Description	lb	Ton	2/3 offset
Excess NOx - PFI	941.76	0.47	0.31
Excess NOx - Package Boiler	0.00	0.00	0.00
Total Excess NOx			0.31
Total Excess NOx rounded-up	-		0.40
Plus Environmental Contribution of	f 10%		0.44
Rounded up			0.5

Therefore, for May 1, 2006 through May 1, 2007, Inland requiered a total of:

Cledit (OERO) - CC STELL COL رى ئارى ئالغانغا ئىلانى بالا ئىلامۇرىيا

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The State of Texas

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Certificate Number

D-2156



Number of Credits

3.2 tons NOx

Discrete Emission Reduction Credit Certificate

This certifies that Inland Paperboard and Packaging Inc. 1750 Inland Road Orange, TX 77632

is the owner of 3.2 tons of nitrogen oxide (NOx) discrete emission reduction credits established under the laws of the State of Texas, transferable only on the books of the Texas Commission on Environmental Quality, by the holder hereof in person or by duly authorized Attorney, upon surrender of this certificate.

The owner of this certificate is entitled to utilize the discrete emission credits evidenced herein for all purpose authorized by the laws and regulations of the State of Texas and is subject to all limitations prescribed by the laws and regulations of the State of Texas.

Discrete Emission Reduction Generation Period: January 1, 1998 - December 31, 1998

Generator Regulated Entity No.: RN100216035

Generator Serial Numbers: 20700 - 20729

County of Generation: Orange

January 10, 2007

Date

### For the Commission

The State of Texas TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Certificate Number Number of Credits D-1189 30.0 tons NOx M. 300 207-000 M. 300 207-000 Josef genali47 Jossib - intent Discrete Emission Reduction Con For 300 761 Inland Paperboard and Packaging Inc. Interview Inland Paperboard and Packaging Inc. 1750 Inland Road Orange, TX 77632 point # 9654A is the owner of 30.0 tons of nitrogen oxide (NOX) discrete emission reduction credits estable Discrete Emission Reduction Credit Certificate This certifies that is the owner of 30.0 tons of nitrogen oxide (NOx) discrete emission reduction credits established under the laws of the State of Texas, transferable only on the books of the Texas Commission on Environmental Quality, by the holder hereof in person or by duly authorized Attorney, upon surrender of this certificate. The owner of this certificate is entitled to utilize the discrete emission credits evidenced herein for all purpose authorized by the laws and regulations of the State of Texas and is subject to all limitations prescribed by the laws and regulations of the State of Texas. Discrete Emission Reduction Generation Period: 1/1/1998 - 12/31/1998 Generator Regulated Entity No.: RN100214428 Generator Serial Numbers: 20700 - 20729 County of Generation: Orange Date **Executive Director** Texas Commission on Environmental Quality



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Certificate Number

D-1190



Number of Credits

0

15.8 tons NOx

Discrete Emission Reduction Credit Certificate

This certifies that Inland Paperboard and Packaging Inc. 1750 Inland Road Orange, TX 77632

is the owner of 15.8 tons of nitrogen oxide (NOx) discrete emission reduction credits established under the laws of the State of Texas, transferable only on the books of the Texas Commission on Environmental Quality, by the holder hereof in person or by duly authorized Attorney, upon surrender of this certificate.

The owner of this certificate is entitled to utilize the discrete emission credits evidenced herein for all purpose authorized by the laws and regulations of the State of Texas and is subject to all limitations prescribed by the laws and regulations of the State of Texas.

Discrete Emission Reduction Generation Period: 1/1/1998 - 12/31/1998

Generator Regulated Entity No.: RN100214428

Generator Certificate: D-1189

County of Generation: Orange

Date

Executive Director Texas Commission on Environmental Quality

R. B. "Ralph" Marquez, Commissione John M. Baker, Commissioner Jeffrey A. Saitas, Executive Director



## **TEXAS NATURAL RESOURCE CONSERVATION COMMISSION**

Protecting Texas by Reducing and Preventing Pollution

April 30, 1999

Mr. Richard H. Haar Senior Engineer E.I. Dupont de Nemours and Company P.O. Box 3269 Beaumont, Texas 77704

Re: Administrative Review Discrete Emission Reduction Credits (DERCs) **DuPont Beaumont Works** Beaumont, Jefferson County Account ID No. JE-0033-C

Dear Mr. Haar:

This will acknowledge receipt of your letter dated March 30, 1998, regarding the generation of DERCs. We have determined that the information contained in your registration is complete. The following credits will be deposited in the Texas Natural Resource Conservation Commission **Emissions Registry:** 20398 - 20729

Nitrogen Oxides 332 tons

This review verifies that all information needed for credit review has been received. However, the DERCs' actual credit has not yet been verified. Upon submittal of a notice of intent to use, the credits will be assigned to a technical engineer who will review the reductions for creditability. At that time, the credits may be adjusted accordingly.

> 携 ZO398-20699 -> D1015 + 302 tons Nox 20700 - 20729 -> D1189 + 30.0 tons Nox

(A

Mr. Richard H. Haar Page 2 April 30, 1999

Re: Emission Reduction Credits

Thank you for your cooperation in this matter. If you have questions concerning the review or this notice, please contact me at (512) 239-1314 or write me at Texas Natural Resource Conservation Commission, Office of Air Quality, New Source Review Permits Division (MC-162), P.O. Box 13087, Austin, Texas 78711-3087. If you need further assistance regarding the banking program or future transactions, please call Ms. Susana Hildebrand at (512) 239-1255 or write her at Texas Natural Resource Conservation Commission, Office of Air Quality, New Source Review Permits Division (MC-162), P.O. Box 13087, Austin, Texas 78711-3087. If you need further assistance regarding the banking program or future transactions, please call Ms. Susana Hildebrand at (512) 239-1255 or write her at Texas Natural Resource Conservation Commission, Office of Air Quality, New Source Review Permits Division (MC-162), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

llhdfor

Donald A. Duke, P.E. Permit Engineer Core Section New Source Review Permits Division

DD/gg

Enclosures

cc: Mr. Marion Everhart, Air Program Manager, Beaumont

ESTABLISHED 1902 DU PONT DE NEMOURS & COMPANY Incorporated BEAUMONT WORKS P. O. BOX 3269. BEAUMONT, TEXAS 77704

RAIL ADDRESS, DOWLING, TEXAS

409 / 722-3451

March 30, 1999

Ms. Susana Hildebrand Core Section, New Source Review Permits Office of Air Quality Texas Natural Resource Conservation Commission P.O. Box 13087, MC-162 Austin, TX 78711-3087

DuPont Beaumont Works Beaumont, Jefferson County, TX Account I.D. No. JE-0033-C

Re: Application for 1998 Discrete Emission Reduction Credits (DERC's)

Dear Ms. Hildebrand:

In response to 30 TAC 101.29, DuPont Beaumont Works is submitting documentation for Discrete Emission Reduction Credits (DERC's) generated in calendar year 1998.

Enclosed is documentation requesting 332 tons of NOx DERC's and 183.27 tons of creditable NOx emissions. We would want the NOx reductions beyond NOx RACT to result in creditable NOx emissions to be used in netting.

We have been accumulating NOx ERC's and DERC's since we made NOx reductions in our Ammonia Reformer (AMM-STK26) in October, 1994, in anticipation of upcoming NOx RACT requirements. Our initial submittal for NOx DERC's from October, 1994 through December 1997, was submitted in June 1998. This submittal is to claim the continuing generation of NOx DERC's in 1998.

If you have any questions, please call me at (409) 727-9128, or Dennis Isaacs at (409) 727-9528.

Sincerely,

Richard Hthan

Richard H. Haar Senior Engineer

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PERMITS PROGRAM

RHH/rh Attachment

There's a world of things we're doing something about

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STAFF ASSIGNED TO PROJ L <del>EAD, WOR</del> K Baina ,			
PROJECT TRANSACTIONS	<u> </u>		
COMPANY DATA			
COMPANY NAME: TEMPLE I			
CUSTOMER REGISTRY ID: C	N602787053		
PORTFOLIO DATA			
NUMBER: P1854 NAME: TEN	IPLE INLAND - RN10	214428	
ACCOUNT: OC0019C			
REG ENTITY ID: RN1002144	28		
SITE NAME: INLAND PAPER	BOARD & PACKAGIN	IG ORANGE MILL	
COUNTY: ORANGE		NEAR	EST CITY: ORANGE
LOCATION: 1750 INLAND RE	)		
CONTACT DATA			
NAME: JOHN MELANCON		TITLE: ENVIRO	NMENTAL MANAGER
STREET: 11750 INLAND ROA	AD CITY/STATE,ZIP:	ORANGE, TX , 77632	2-0
PHONE: 409-746-7416 ext 0			
FAX: 409-746-7537 ext 0			
TRANSACTION DATA			
TRANSACTION TYPE: DERC	_USE		
DATE ENTERED: 2007-08-08	00:00:00.0	DELETED DAT	
CONTAMINATE: NOX		TONS: 0	DOLLARS: 0
			NO.: 0 COUNTY : ORANGE
TRACKING ACTIVITES			
TR - ENGINEER RECEIVE PROJECT :	FA - PROJ	IECT ISSUED :	TR - SUP/MANGR APP/RVW RQSTD :
TR - PROJ TECH COMPLETE :	TR - DATE REQ ADDI	SUP/MNGR	

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Bryan W. Shaw, Ph.D., Chairm Buddy Garcia, Commissioner Carlos Rubinstein, Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 8, 2010

Mr. John E. Melancon Environmental Manager Temple-Inland 1750 Inland Road Orange, Texas 77632

Re: Use of Discrete Emission Credits Orange Linerboard Facility Orange, Orange County Regulated Entity Number: RN100214428 Customer Reference Number: CN602787053 Portfolio Number: P1854

Dear Mr. Melancon:

This letter is in response to Temple-Inlands Form DEC-3 (Notice of Use of Discrete Emission Credits), received August 7, 2007, regarding the use of 0.3 tons of nitrogen oxides (NO<sub>x</sub>) discrete emission credits for the purpose of compliance with Title 30 Texas Administrative Code (TAC)  $\S117.110(a)(1)$  for the period of May 1, 2006 through April 30, 2007.

Upon review of the use of these credits, we agree that the use of 0.3 ton of NO<sub>X</sub> discrete emission credits meets the requirements of \$117.110(a)(1).

Enclosed is a copy of Discrete Emissions Reduction Credits (DERC) Certificate Number D-2259, issued to the Temple-Inland, for the remainder of 6.0 tons of certified NO<sub>x</sub> discrete emission credits from Certificate Number D-1260. Please note that D-1260 and D-2256 (generated for the use of 0.3 ton of NO<sub>x</sub> credits) have been canceled. Certificate D-2259 has been deposited into the Texas Commission on Environmental Quality (TCEQ) DERC Registry. This certificate may be transferred or sold to another owner per the requirements of 30 TAC  $\S$ 101.370 through 101.379.

Thank you for your cooperation in this matter. If you have questions concerning this transaction or need further assistance regarding the banking program, please contact Mr. Brandon Greulich at (512) 239-4904 or write to the Texas Commission on Environmental Quality, Chief Engineer's Office, Air Quality Division (MC-206), P.O. Box 13087, Austin, Texas 78711-3087.

Mr. John E. Melancon (\_ Page 2 June 8, 2010

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

David Brymer, Director Air Quality Division Texas Commission on Environmental Quality

DB/LB/sd

cc: Air Section Manager, Region 10 - Beaumont

Project Number: 402005

## The State of Texas

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Certificate Number:

D-2259



Number of Credits:

6.0 tons NOx

# Discrete Emission Reduction Credit Certificate

This certifies that

Temple-Inland 1750 Inland Rd. Orange, TX 77632 TRANSFERRED TO CERTIFICATE NO(S): D-2775+

is the owner of 6.0 tons of nitrogen oxides (NOx) discrete emission reduction credits established under the laws of the State of Texas, transferable only on the books of the Texas Commission on Environmental Quality, by the holder hereof in person or by duly authorized Attorney, upon surrender of this certificate.

The owner of this certificate is entitled to utilize the discrete emission credits evidenced herein for all purpose authorized by the laws and regulations of the State of Texas and is subject to all limitations prescribed by the laws and regulations of the State of Texas.

Discrete Emission Reduction Generation Period: January, 1 1998 to December 31, 1998

Generator Regulated Entity No.: RN100216035

County of Generation: Orange

Generator Certificate: Serial Numbers 20700-20729 or D-1189

May 14, 2010

Date

For the Commission