

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Jon Niermann, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

March 9, 2018

MR CHRIS LUTRICK  
PROJECT MANAGER  
CITY OF DENTON  
1659 SPENCER RD  
DENTON TEXAS 76205-5489

Re: Electric Generating Units Air Quality Standard Permit Revision  
(Effective 5/16/2007)  
Standard Permit Registration Number: 135651  
Standard Permit Expiration Date: October 23, 2025  
City of Denton  
225 MW Denton Energy Center  
Denton, Denton County  
Regulated Entity Number: RN106080914  
Customer Reference Number: CN600358980

Dear Mr. Lutrick:

This is in response to your Form PI-1S (Air Quality Standard Permit for Electric Generating Units) regarding the proposed construction to be located West of I-35 in Denton, to the South of Jim Christal Road, between Masch Branch Rd and Thomas J Egan Rd near Denton, Denton County. We understand that this registration is to update certified emission rates of carbon monoxide (CO) and particulate matter (including PM<sub>10</sub> and PM<sub>2.5</sub>).

After evaluation of the information you submitted, the Texas Commission on Environmental Quality (TCEQ) has determined that your proposed emissions are authorized by this standard permit pursuant to Title 30 Texas Administrative Code § 116.602 (30 TAC § 116.602) if constructed and operated as represented in your registration. This standard permit was issued under the Texas Clean Air Act (TCAA) § 382.011, which authorizes the commission to control the quality of the state's air; TCAA § 381.023, which authorizes the commission to issue orders necessary to carry out the policy and purposes of the TCAA; and § 382.05195, which authorizes the commission to issue standard permits. Authorized emissions are listed on the attached table.

You are also reminded that these facilities must be in compliance with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. James Nolan at (512) 239-6634 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Mr. Chris Lutrick  
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Re: Standard Permit Registration Number 135651

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

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line extending to the right.

Samuel Short, Manager  
Rule Registrations Section  
Air Permits Division  
Texas Commission on Environmental Quality

cc: Air Section Manager, Region 4 - Dallas/Fort Worth

Project Number: 281971

Standard Permit Maximum Emission Rates Table  
Permit Number 135651

The facilities and emissions included in this table have been represented and reviewed as the maximum emissions authorized by this standard permit registration.

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lbs/hr	tpy
EP-1	Engine 1	VOC	2.07	--
		NOx	1.33	--
		CO	4.96	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	3.17	--
		SO <sub>2</sub>	0.09	--
		NH <sub>3</sub>	3.17	--
EP-2	Engine 2	VOC	2.07	--
		NOx	1.33	--
		CO	4.96	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	3.17	--
		SO <sub>2</sub>	0.09	--
EP-3	Engine 3	NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NOx	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
EP-4	Engine 4	NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NOx	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lbs/hr	tpy
EP-5	Engine 5	PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
		NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NO <sub>x</sub>	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
EP-6	Engine 6	NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NO <sub>x</sub>	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
EP-7	Engine 7	NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NO <sub>x</sub>	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
EP-8	Engine 8	NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NO <sub>x</sub>	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lbs/hr	tpy
EP-9	Engine 9	SO <sub>2</sub>	3.17	--
		NH <sub>3</sub>	2.07	--
		VOC	1.33	--
		NO <sub>x</sub>	4.96	--
		CO	3.17	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	0.09	--
		SO <sub>2</sub>	3.17	--
EP-10	Engine 10	VOC	2.07	--
		NO <sub>x</sub>	1.33	--
		CO	4.96	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	3.17	--
		SO <sub>2</sub>	0.09	--
		NH <sub>3</sub>	3.17	--
EP-11	Engine 11	VOC	2.07	--
		NO <sub>x</sub>	1.33	--
		CO	4.96	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	3.17	--
		SO <sub>2</sub>	0.09	--
		NH <sub>3</sub>	3.17	--
EP-12	Engine 12	VOC	2.07	--
		NO <sub>x</sub>	1.33	--
		CO	4.96	--
		PM <sub>10</sub>	3.17	--
		PM <sub>2.5</sub>	3.17	--
		SO <sub>2</sub>	0.09	--
		NH <sub>3</sub>	3.17	--

Emission Point No.	Source Name	Pollutant	Authorized Emissions	
			lbs/hr	tpy
EP-1 – EP-12	Site Wide Annual Emissions	VOC	--	48.60
		NO <sub>x</sub>	--	33.80
		CO	--	96.50
		PM <sub>10</sub>	--	70.00
		PM <sub>2.5</sub>	--	70.00
		SO <sub>2</sub>	--	1.75
		NH <sub>3</sub>	--	60.90

- VOC - volatile organic compounds
- NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub> as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- SO<sub>2</sub> - sulfur dioxide
- NH<sub>3</sub> - ammonia

Date: March 9, 2018