

7 June 2022

Mr. Aaron Simpson Alaska Department of Environmental Conservation Division of Air Quality 410 Willoughby Avenue, Suite 303 Juneau, Alaska 99811-1800

Re: Permit Extension Request Air Quality Control Construction Permit AQ0083CPT07 Kenai Nitrogen Operations Kenai, Alaska

Dear Mr. Simpson:

Agrium U.S. Inc. (Agrium) was issued Air Quality Control Construction Permit AQ0083CPT07 on 26 March 2021 for the proposed restart of a portion of its Kenai Nitrogen Operations (KNO) fertilizer operation in Kenai, Alaska. Agrium requests that the Alaska Department of Environmental Conservation (ADEC) extend this permit for an additional eighteen (18) months to allow more time to commence construction as authorized by this permit. Additional information concerning this request is provided below.

### Background

In May 2020 Agrium submitted a Prevention of Significant Deterioration (PSD) permit application to restart portions of the KNO fertilizer plant. This resulted in the issuance of Air Quality Construction Permit AQ0083CPT07 on 26 March 2021. Although Agrium has worked to secure necessary natural gas contracts for the facility since the issuance of this permit, for a variety of reasons these negotiations are still on-going. Agrium continues to believe that it will ultimately be able to obtain contracts for sufficient natural gas in order to assure viable operations at KNO. Agrium does not, however, wish to begin construction on the modifications necessary to the plant, which will involve a substantial capital investment, until such time as it has contractual assurances that sufficient natural gas is available to operate the facility at target production levels.

While Agrium is hopeful that it will be able to secure the desired contracts in the near future, the delay in securing necessary contracts will delay the date by which Agrium will wish to begin operation of the plant, resulting in the need to delay the date by which

construction will commence. An extension for an additional eighteen (18) months will allow time for negotiations to continue to secure necessary natural gas contracts.

### **Construction Permit and PSD Commence Construction Requirements**

Condition 2 of the Construction Permit issued by ADEC specifies that "the Permittee shall commence construction of the modification to the stationary source authorized under Construction Permit AQ0083CPT07 within 18 months of the issuance of the permit unless granted an extension in writing from the Department". Likewise, PSD rules contained in 40 CFR 52.21(r)(2) specify that approval to construct will become invalid if construction is not commenced within 18 months of permit issuance.

Neither the Construction nor PSD rule language provides any details on the appropriate content of an extension request or the information the Administrator may require in granting such an extension.

Q ...

### **EPA Guidance**

Current EPA guidance on the circumstances under which a PSD permit may be extended is contained in a memorandum from Stephen Page dated 31 January 2014 (Extension Memorandum)<sup>1</sup>. As described in the Extension Memorandum and in accordance with 40 C.F.R. 52.21(r)(2), EPA indicates that such extensions should be evaluated on a case-bycase basis, and that such requests should be made in advance of the end of the 18-month period for commencing construction. The Extension Memorandum indicates that an extensive reevaluation of BACT and the air quality impacts analysis "should generally not be necessary for a first permit extension request". The Extension Memorandum specifies that the applicant should provide a detailed justification as to the reasons that the extension is necessary.

### **BACT Update**

Although EPA guidance states that an extensive reevaluation of BACT is not required as a part of the first permit extension request, Agrium has researched the RACT/BACT/LAER Clearinghouse (RBLC) to identify any permits issued since the date of the KNO Construction Permit that might contain a more stringent Best Available Control Technology (BACT) emission limit than was established for KNO. The results of this search for the principal emission units at KNO are discussed briefly below:

<sup>&</sup>lt;sup>1</sup> "Guidance on Extension of Prevention of Significant Deterioration (PSD) Permits under 40 CFR 52.21(r)(2)", Stephen D. Page, Director Office of Air Quality Planning and Standards, to Regional Air Division Directors, 31 January 2014.

- Primary Reformer (Unit 12) New permit limits have been added to the RBLC database for El Dorado Chemical Company (AR-0170) and Midwest Fertilizer Company LLC (IN-0324). The BACT limits contained in these permits are no more stringent than limits contained in permits that were reviewed as a part of the BACT analysis submitted with the KNO permit application.
- CO2 Vent (Unit 14) New permit limits have been added to the RBLC database for El Dorado Chemical Company (AR-0170) and Midwest Fertilizer Company LLC (IN-0324). The BACT limits contained in these permits are no more stringent than limits contained in permits that were reviewed as a part of the BACT analysis submitted with the KNO permit application.
- Urea Granulation (Units 35 and 36) No new RBLC entries were identified in the database for urea granulation units.
- Package Boilers (Units 44, 48, and 49) The current RBLC summary includes a number of new entries for sources with boilers or process heaters with a heat input above 100 mmBtu/hr but less than 250 mmBtu/hr. The BACT limits contained in these permits are no more stringent than limits contained in permits that were reviewed as a part of the BACT analysis submitted with the KNO permit application.
- Solar Turbine/Generator Sets (Units 55, 56, 57, 58, and 59) New permit limits have been added to the RBLC database for Norfolk Naval Shipyard (RBLC VA-0333) and Sabine Pass LNG Terminal (LA-0375). The BACT limits contained in these permits are no more stringent than limits contained in permits that were reviewed as a part of the BACT analysis submitted with the KNO permit application.
- Urea Ship Loading (Unit 47) No recent permits were identified with BACT emission limits for urea ship loading.
- Urea Material Handling Units (Unit 47A, 47B, 47C, and 47D) One new permit limit has been added to the RBLC database for Pallas Nitrogen LLC (OH-0368) with BACT limits for urea transfer operations. The BACT limit contained in this permit is no more stringent than limits contained in permits that were reviewed as a part of the BACT analysis submitted with the KNO permit application.

Based on the summary of RBLC listings reviewed, no new permits have been issued since the date of the Construction Permit for KNO that contain BACT limits that are more stringent than those reviewed as a part of the BACT determination for KNO. An updated RBLC listing (with new entries denoted in red font) is provided as an attachment to this request.

### **Air Quality Impact Analysis**

As a part of its PSD application, KNO provided an air quality impact analysis demonstrating that the project would not result in an ambient impact that exceeded permissible increments under PSD rules nor would the project cause an exceedance of National Ambient Air Quality Standards (NAAQS). Although EPA guidance does not indicate that the air quality impact analysis must be revisited as a part of a first request for an extension to a PSD permit, KNO has reevaluated air quality in the area of its site as a part of this request.

KNO reviewed the ADEC web site to identify Construction Permits for major sources that had been issued since the PSD permit was issued to KNO in March 2021. KNO identified no Title I Construction Permits that have been issued since the date of its permit in March 2021.

The region surrounding KNO has experienced little change in population since the PSD permit was issued in March 2021, nor have any significant plant expansions occurred in the area since this time. As a consequence of the fact that there has been no significant growth in the area over the past eighteen months, KNO believes that air quality data collected to characterize the area are still an accurate representation of background air quality.

#### **Summary**

As described in detail above, the extension request is being filed due to the fact that Agrium has not been able to secure necessary contracts to assure that natural gas will be available at the time the plant would wish to begin operations. Agrium requests that the date by which it must commence construction be extended by 18 months to allow Agrium to secure necessary contracts prior to commencing construction on modifications necessary. This would extend the date by which construction must commence from 26 September 2022 to 26 March 2024.

If you have any questions regarding this request, please contact Dave Jordan of ERM at (513) 830-9035.

Sincerely 1 Fred Werth

Manager, Kenai Plant

cc: Ted Hartman, Nutrien David Jordan, ERM

Enclosure: RBLC Update

Attachment – RBLC Update

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
BIG RIVER STEEL LLC	AR-0168	3/17/2021	TPM	Contact Cooling Tower	0.0010	% DRIFT LOSS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0168	3/17/2021	TPM10	Contact Cooling Tower	0.0010	% DRIFT LOSS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0168	3/17/2021	TPM2.5	Contact Cooling Tower	0.0010	% DRIFT LOSS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0168	3/17/2021	Visible Emissions (VE)	Contact Cooling Tower	5.0000	%	Drift Eliminators Low TDS
NUCOR STEEL ARKANSAS	AR-0172	9/1/2021	FPM	SN-212 Cooling Tower	0.0005	% DRIFT LOSS	High efficiency Drift/mist eliminator
NUCOR STEEL ARKANSAS	AR-0172	9/1/2021	TPM10	SN-212 Cooling Tower	0.0005	% DRIFT LOSS	High efficiency Drift/mist eliminator
NUCOK STEEL AKKANSAS	AR-0172	9/1/2021	FPM	Cooling Towers	0.0005	DRIFT LOSS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	TPM10	Cooling Towers	0.0005	DRI 1 LOOS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	TPM2.5	Cooling Towers	0.0005	DRIFT LOSS	Drift Eliminators Low TDS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Visible Emissions (VE)	Cooling Towers	5.0000	%	Drift Eliminators Low TDS
				Mechanical Draft Auxiliary			
SHADY HILLS COMBINED CYCLE FACILITY	FL-0371	6/7/2021	FPM	Cooling System	0.0005	% DRIFT RATE	Certified drift rate < 0.0005%
	*TA 0117	2 /17 / 2021		Cooling Towner	0.2(00	LB/HR, PM, PM10 AND	Duilt Elization
SHELL ROCK SOY PROCESSING	"IA-0117 *IA_0117	3/17/2021	ТРМ	Cooling Tower	0.2600	% OPACITY	Drift Eliminator
		0,11,2021			0.0000		
				ten cell evaporative cooling tower		MG/L, AVERAGED ON	shall be controlled by high efficiency drift eliminators; The cooling tower (EU-010) shall be
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM10	EU-010	2000.0000	A MONTHLY BASIS	designed to meet a 0.0005% drift
				ten cell evaporative cooling tower		MG/L, AVERAGED ON	shall be controlled by high efficiency drift eliminators; The cooling tower (EU-010) shall be
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM2.5	EU-010	2000.0000	A MONTHLY BASIS	designed to meet a 0.0005% drift
	VV 0110	7/23/2020	EDM	EP 09-01 - Melt Shop ICW	0.2600	ІВ/НР	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOK STEEL DRANDENBURG	K1-0110	7/23/2020	1.1 1/1	FP 09-01 - Melt Shop ICW	0.3000	TON/YR 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	1.5600	ROLLING	or less to total gpm.
				EP 09-01 - Melt Shop ICW	1.0000		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	0.2700	LB/HR	or less to total gpm.
				EP 09-01 - Melt Shop ICW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	1.1600	ROLLING	or less to total gpm.
	10/0110	7 /22 /2020		EP 09-01 - Melt Shop ICW	0.0000		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	1PM2.5	Cooling Tower	0.0008	LB/HK	or less to total gpm. Lligh Efficiency Mist Eliminator. The mist eliminator drift less shall be maintained at 0.001%.
NULCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2 5	Cooling Tower	0.0035	ROLLING	or less to total grom
		., 20, 2020		EP 09-02 - Melt Shop DCW	0.0050		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.0400	LB/HR	or less to total gpm.
				EP 09-02 - Melt Shop DCW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.1900	ROLLING	or less to total gpm.
	10/0110	7 /22 /2020	TD /10	EP 09-02 - Melt Shop DCW	0.0000		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	// 23/ 2020	IPMIU	EP 00.02 Malt Shap DCW	0.0300	LD/ FIK	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift less shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	0 1400	ROLLING	or less to total gpm.
		.,,,		EP 09-02 - Melt Shop DCW	0.1100		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	Cooling Tower	0.0001	LB/HR	or less to total gpm.
				EP 09-02 - Melt Shop DCW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	Cooling Tower	0.0004	ROLLING	or less to total gpm.
	10/ 0110	7 / 22 / 2020		EP 09-03 - Rolling Mill ICW	0.000		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOK STEEL DKANDENBURG	K1-0110	// 23/ 2020		FP 09-03 - Rolling Mill ICW	0.0600	10/11 TON/YR 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.2500	ROLLING	or less to total gpm.
				EP 09-03 - Rolling Mill ICW	0.2000		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	0.0400	LB/HR	or less to total gpm.
				EP 09-03 - Rolling Mill ICW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	0.1900	ROLLING	or less to total gpm.
	VV 0110	7/23/2020	TDM2 5	EP 09-03 - Kolling Mill ICW	0.0001	ІВ/НР	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NOCOR STEEL DRAINDENDORG	K1-0110	1/23/2020	11 142.5	EP 09-03 - Rolling Mill ICW	0.0001	TON/YR.12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	Cooling Tower	0.0006	ROLLING	or less to total gpm.
				EP 09-04 - Rolling Mill DCW			High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.1700	LB/HR	or less to total gpm.
				EP 09-04 - Rolling Mill DCW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.7500	ROLLING	or less to total gpm.
	VV 0110	7/23/2020	TPM10	EP 09-04 - Kolling Mill DCW	0.1200	IB/HR	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NOCOR STEEL DRAINDENDORG	K1-0110	1/23/2020		EP 09-04 - Rolling Mill DCW	0.1200	TON/YR. 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Cooling Tower	0.5100	ROLLING	or less to total gpm.
				EP 09-04 - Rolling Mill DCW			High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	Cooling Tower	0.0004	LB/HR	or less to total gpm.
		- ( (		EP 09-04 - Rolling Mill DCW		TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	1PMZ.5	Cooling Tower	0.0016	KULLING	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift less shall be restructed at 0.001%.
NULCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Ouench/ACC Cooling Tower	0.7800	LB/HR	or less to total gpm.
		772372020	****	EP 09-05 - Rolling Mill	0.7800	TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Quench/ACC Cooling Tower	3.4100	ROLLING	or less to total gpm.
				EP 09-05 - Rolling Mill			High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintained at 0.001%
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	Quench/ACC Cooling Tower	0.5400	LB/HR	or less to total gpm.

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	EP 09-05 - Rolling Mill Quench/ACC Cooling Tower	2.3500	TON/YR, 12-MONTH ROLLING	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	EP 09-05 - Rolling Mill Quench/ACC Cooling Tower	0.0017	LB/HR	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	EP 09-05 - Rolling Mill Quench/ACC Cooling Tower	0.0075	TON/YR, 12-MONTH ROLLING	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	EP 09-06 - Light Plate Quench DCW Cooling Tower	0.0600	LB/HR	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NULCOR CTEEL BRANDENBURG	K1 0110	7/22/2020	EDM	EP 09-06 - Light Plate Quench	0.0000	TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	K1-0110	7/23/2020		EP 09-06 - Light Plate Quench	0.2600	NOLLING	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	EP 09-06 - Light Plate Quench	0.0400	LB/HR TON/YR, 12-MONTH	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	DCW Cooling Tower EP 09-06 - Light Plate Quench	0.1900	ROLLING	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	DCW Cooling Tower	0.0001	LB/HR TON/YR 12-MONTH	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	DCW Cooling Tower	0.0006	ROLLING	or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	DCW Cooling Tower	0.0200	LB/HR	or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	EP 09-07 - Heavy Plate Quench DCW Cooling Tower	0.1000	TON/YR, 12-MONTH ROLLING	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	EP 09-07 - Heavy Plate Quench DCW Cooling Tower	0.0200	LB/HR	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NILICOP STEEL BRANDENBLIDC	KV 0110	7/23/2020	TPM10	EP 09-07 - Heavy Plate Quench	0.0700	TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL DRANDENDURG	K1-0110	7/23/2020		EP 09-07 - Heavy Plate Quench	0.0700		High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	EP 09-07 - Heavy Plate Quench	0.0001	LB/HR TON/YR, 12-MONTH	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	DCW Cooling Tower EP 09-08 - Air Separation Plant	0.0002	ROLLING	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.1000	LB/HR TON/YR 12 MONTH	or less to total gpm. High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	FPM	Cooling Tower	0.4600	ROLLING	or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	EP 09-08 - Air Separation Plant Cooling Tower	0.0800	LB/HR	or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM10	EP 09-08 - Air Separation Plant Cooling Tower	0.3400	TON/YR, 12-MONTH ROLLING	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOR STEEL BRANDENBURG	KY-0110	7/23/2020	TPM2.5	EP 09-08 - Air Separation Plant Cooling Tower	0.0002	LB/HR	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai or less to total gpm.
NUCOP STEEL BRANDENBURC	KV 0110	7/23/2020	TPM2 5	EP 09-08 - Air Separation Plant	0.0010	TON/YR, 12-MONTH	High Efficiency Mist Eliminator. The mist eliminator drift loss shall be maintai
NUCOK STEEL DRANDENDURG	K1-0110	7/23/2020	11 112.5		0.0010	ROLLING	
							1. State-of-the-art, high-efficiency drift eliminators with a drift rate specified at percent of the circulating water rate; 2. Monitoring and limiting total dissolved
						LBS/HOUR MONTHLY	circulating water; and 3. Proper equipment operation, and maintenance. BAC
WESTLAKE VINYLS, INC PVC PLANT	KY-0112	11/13/2020	FPM	Cooling Tower [EU 31]	0.1250	BASIS	or VOC concentration in the cooling water
							1. State of the art high efficiency drift eliminators with a drift rate specified at
							percent of the circulating water rate; 2. Monitoring and limiting total dissolved
						LBS/HOUR, MONTHLY	contact cooling water system; and 2. Monthly monitoring of vinyl chloride mor
WESTLAKE VINYLS, INC PVC PLANT	KY-0112	11/13/2020	TPM10	Cooling Tower [EU 31]	0.0790	BASIS	or VOC concentration in the cooling water
							1. State-of-the-art, high-efficiency drift eliminators with a drift rate specified at
							percent of the circulating water rate; 2. Monitoring and limiting total dissolved circulating water; and 3. Proper equipment operation, and maintenance. BAC
WESTLAKE VINYLS, INC PVC PLANT	KY-0112	11/13/2020	TPM2.5	Cooling Tower [EU 31]	0.0003	LBS/HOUR, MONTHLY BASIS	contact cooling water system; and 2. Monthly monitoring of vinyl chloride mor or VOC concentration in the cooling water
						PPMV OF VOC 12-	1 State-of-the-art high-efficiency drift eliminators with a drift rate specified at
	K2/ 0112	11 (12 (2020	VOC	Cooline Terrer [EU 21]	2,0000	MONTH ROLLING	percent of the circulating water rate; 2. Monitoring and limiting total dissolved
WESTLAKE VINYLS, INC PVC PLANT	KY-0112	11/ 13/ 2020	VUC	Cooling Tower [EU 31]	3.9000	DA515	circulating water; and 5. Proper equipment operation, and maintenance
						PPBW OF VCM, 12- MONTH ROLLING	1. State-of-the-art, high-efficiency drift eliminators with a drift rate specified at percent of the circulating water rate; 2. Monitoring and limiting total dissolved
WESTLAKE VINYLS, INC PVC PLANT	KY-0112	11/13/2020	VOC	Cooling Tower [EU 31] Laminar Cooling Tower - Hot	50.0000	BASIS	circulating water; and 3. Proper equipment operation, and maintenance
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	Mill Cells (EP 03-09)	0.2700	LB/HR TON/VR 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	Mill Cells (EP 03-09)	1.1800	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	Laminar Cooling Tower - Hot Mill Cells (EP 03-09)	0.1900	LB/HR	Mist Eliminator, 0.001% drift loss

ned at 0.001%
ned at 0.001%
0.0005% solids in the ': 1. Using non- tomer (VCM)
0.0005% solids in the ': 1. Using non- iomer (VCM)
0.0005% solids in the ': 1. Using non- iomer (VCM)
0.0005% solids in the
0.0005% solids in the

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	Laminar Cooling Tower - Hot Mill Cells (EP 03-09)	0.8700	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Laminar Cooling Tower - Hot Mill Cells (EP 03-09)	0.0006	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Laminar Cooling Tower - Hot Mill Cells (EP 03-09)	0.0026	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
				Direct Cooling Tower-Caster & Roughing Mill Cells (EP			
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	03-10) Direct Cooling Tower-Caster	0.1700	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	& Roughing Mill Cells (EP 03-10)	0.7500	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
				Direct Cooling Tower-Caster			
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	03-10)	0.1200	LB/HR	Mist Eliminator, 0.001% drift loss
				Direct Cooling Tower-Caster & Roughing Mill Cells (EP		TON/YR, 12-MONTH	
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	03-10) Direct Cooling Tower-Caster	0.5500	ROLLING	Mist Eliminator, 0.001% drift loss
	10/ 0115	4 (10 /2021		& Roughing Mill Cells (EP	0.0001		Mist Elimination 0.0010/ defitions
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	1 PIVI2.5	Direct Cooling Tower-Caster	0.0004		Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	& Roughing Mill Cells (EP 03-10)	0.0020	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
	KV 0115	4/10/2021	FPM	Melt Shop #2 Cooling Tower	0 2000	I B/HP	Mist Eliminator 0.001% drift loss
NUCOK STEEL GALLATIN, LLC	N1-0115	4/ 19/ 2021		Melt Shop #2 Cooling Tower	0.3900	TON/YR, 12-MONTH	
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	(indirect) (EP 03-11) Melt Shop #2 Cooling Tower	1.7100	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	(indirect) (EP 03-11) Melt Shop #2 Cooling Tower	0.2900	LB/HR TON/YR 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	(indirect) (EP 03-11)	1.2700	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Melt Shop #2 Cooling Tower (indirect) (EP 03-11)	0.0008	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Melt Shop #2 Cooling Tower (indirect) (EP 03-11)	0.0030	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
NUICOP STEEL CALLATIN LLC	KV 0115	4/10/2021	FDM	Cold Mill Cooling Tower (EP 03-	0.1400	I B/HP	Mist Eliminator 0.001% drift loss
NOCOR STEEL GALLATIN, LLC	N1-0115	4/17/2021		Cold Mill Cooling Tower (EP 03-	0.1400	TON/YR, 12-MONTH	
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	Cold Mill Cooling Tower (EP 03-	0.6000	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	12) Cold Mill Cooling Tower (EP 03-	0.0940	LB/HR TON/YR, 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	12)	0.4100	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	12)	0.0003	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Cold Mill Cooling Tower (EP 03- 12)	0.0013	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	Air Separation Plant Cooling Tower (EP 03-13)	0.0800	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN LLC	KY-0115	4/19/2021	FPM	Air Separation Plant Cooling Tower (EP 03-13)	0 3700	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
		4/10/2021	TDN (10	Air Separation Plant Cooling	0.0700		Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021		Air Separation Plant Cooling	0.0700	TON/YR, 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM10	Tower (EP 03-13) Air Separation Plant Cooling	0.3200	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Tower (EP 03-13)	0.0002	LB/HR TON/YR 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	Tower (EP 03-13)	0.0008	ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	(EP 03-14)	0.0600	LB/HR	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	FPM	DCW Auxiliary Cooling Tower (EP 03-14)	0.2700	TON/YR, 12-MONTH ROLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN LLC	KV_0115	4/19/2021	TPM10	DCW Auxiliary Cooling Tower (FP 03-14)	0.0500	IB/HR	Mist Eliminator 0.001% drift loss
	K1-0115	4/10/2021	TDM(10	DCW Auxiliary Cooling Tower	0.0000	TON/YR, 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021		DCW Auxiliary Cooling Tower	0.2100	KOLLING	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	(EP 03-14) DCW Auxiliary Cooling Tower	0.0001	LB/HR TON/YR, 12-MONTH	Mist Eliminator, 0.001% drift loss
NUCOR STEEL GALLATIN, LLC	KY-0115	4/19/2021	TPM2.5	(EP 03-14)	0.0006	ROLLING	Mist Eliminator, 0.001% drift loss High efficiency drift eliminators and low TDS cooling water
FG LA COMPLEX	LA-0364	1/6/2020	TPM2.5	Cooling Towers	0.0010	% %	High efficiency drift eliminators and low TDS cooling water.
TITANIUM DIOXIDE PLANT TITANIUM DIOXIDE PLANT	LA-0367 LA-0367	11/17/2020	TPM10 TPM2.5	Cooling Tower	0.0005	% %	High efficiency drift eliminators High efficiency drift eliminators
SHINTECH PLAQUEMINES PLANT 1	LA-0379	5/4/2021	TPM	C/A Cooling Tower	0.0800	LB/MM GAL	Good design, maintenance and mist eliminators.



Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
SHINTECH PLAQUEMINES PLANT 1	LA-0379	5/4/2021	TPM10	C/A Cooling Tower	0.0800 LB/MM GAL	Good design, maintenance and mist eliminators.
GARYVILLE REFINERY	LA-0385	2/11/2021	TPM10	Cooling Towers	0.0000	High Efficiency Drift Eliminators
GARYVILLE REFINERY	LA-0385	2/11/2021	TPM2.5	Cooling Towers	0.0000	High Efficiency Drift Eliminators
CARVVII I E REEINERV	I A 0385	2/11/2021	VOC	Cooling Towers	0.0000	Periodic monitoring cooling water as specified by 40 CFR 63 Subpart CC (for EQT0213 and EQT0307)
GARTVILLE REFINERT	LA-0305	2/11/2021			0.0000	Periodic monitoring cooling water as specified by 40 CFR 63 Subpart CC (for EQT0213 and
GARYVILLE REFINERY	LA-0385	2/11/2021	Hydrogen Sulfide	Cooling Towers	0.0000	EQT0397)
PORT ARTHUR REFINERY	TX-0873	2/4/2020	VOC	COOLING TOWER	0.0000	NON CONTACT DESIGN
PORT ARTHUR REFINERY	TX-0873	2/4/2020	TPM	COOLING TOWER	0.0000	DRIFT ELIMINATORS
PORT ARTHUR REFINERY	TX-0873	2/4/2020	TPM10	COOLING TOWER	0.0000	DRIFT ELIMINATORS
PORT ARTHUR REFINERY	TX-0873	2/4/2020	TPM2.5	COOLING TOWER	0.0000	DRIFT ELIMINATORS
PORT ARTHUR ETHANE CRACKER UNIT	TX-0876	2/6/2020	VOC	COOLING TOWER	0.0800 PPMW	Non-contact design and sampling of strippable VOC
PORT ARTHUR ETHANE CRACKER UNIT	TX-0876	2/6/2020	FPM	COOLING TOWER	1200.0000 PPM, TDS	DRIFT ELIMINATORS
PORT ARTHUR ETHANE CRACKER UNIT	TX-0876	2/6/2020	FPM10	COOLING TOWER	1200.0000 PPM, TDS	DRIFT ELIMINATORS
PORT ARTHUR ETHANE CRACKER UNIT	TX-0876	2/6/2020	FPM2.5	COOLING TOWER	1200.0000 PPM, TDS	DRIFT ELIMINATORS
SWEENY REFINERY	TX-0877	1/8/2020	VOC	COOLING TOWER	0.0800 PPMW	non-contact design; the VOC in water will be monitored monthly per Appendix P; and identified leaks will be repaired as soon as possible, but before next scheduled shutdown, or shutdown triggered by 0.08 ppmw cooling water VOC concentration. Circulation rate 32000 gal/min
EXXONMOBIL BEAUMONT REFINERY	TX-0881	1/10/2020	TPM10	COOLING TOWERS	0.0000	High efficiency drift eliminators to control drift to no more than 0.005%.
EXXONMOBIL BEAUMONT REFINERY	TX-0881	1/10/2020	TPM2.5	COOLING TOWERS	0.0000	High efficiency drift eliminators to control drift to no more than 0.005%.
MONT BELVIEU NGL FRACTIONATION UNIT	TX-0886	3/31/2020	VOC	COOLING TOWER	0.7000 LB/MMGAL, HOURLY	Monthly cooling water monitoring using air stripping
MONT BELVIEU NGL FRACTIONATION UNIT	TX-0886	3/31/2020	VOC	COOLING TOWER	0.3000 LB/MMGAL, ANNUAL	Monthly cooling water monitoring using air stripping
ORANGE POLYETHYLENE PLANT	TX-0888	4/23/2020	VOC	COOLING TOWERS	0.7000 LB/MMGAL	Use of a non-contact cooling tower design and monthly monitoring.
ORANGE POLYETHYLENE PLANT	TX-0888	4/23/2020	Carbon Dioxide Equivalent (CO2e)	COOLING TOWERS	0.0000	Use of a non-contact cooling tower design and monthly monitoring.
ORANGE POLYETHYLENE PLANT	TX-0888	4/23/2020	TPM	COOLING TOWERS	0.0000	DRIFT ELIMINATORS
ORANGE POLYETHYLENE PLANT	TX-0888	4/23/2020	TPM10	COOLING TOWERS	0.0000	DRIFT ELIMINATORS
ORANGE POLYETHYLENE PLANT	TX-0888	4/23/2020	TPM2.5	COOLING TOWERS	0.0000	DRIFT ELIMINATORS
SWEENY OLD OCEAN FACILITIES	TX-0889	8/8/2020	Carbon Dioxide Equivalent (CO2e)	cooling tower	0.0000	Good operational practices, non-contact
CHEVRON PHILLIPS CHEMICAL SWEENY COMPLEX	TX-0894	10/30/2020	VOC	Cooling Tower (EPN 81-05-9202)	0.0000	The cooling tower will have a non-contact design and will be monitored continuously for VOC equipment leaks in accordance with 30 TAC 115.764(a)(2) requirements. The leaks discovered from this monitoring shall be repaired as soon as possible, but no later than the next scheduled shutdown, or a shutdown triggered by a 0.08 ppmw cooling water VOC concentration.
MOTIVA POLYETHYLENE MANUFACTURING COMPLEX	TX-0904	9/9/2020	VOC	COOLING TOWER	0.0800 PPMW	Non-contact design and sampling of strippable VOC
MOTIVA POLYETHYLENE MANUFACTURING COMPLEX	TX-0904	9/9/2020	TPM	COOLING TOWER	1200.0000 PPMW	Non-contact design and DRIFT ELIMINATORS
MOTIVA POLYETHYLENE MANUFACTURING COMPLEX	TX-0904	9/9/2020	TPM10	COOLING TOWER	1200.0000 PPMW	Non-contact design and DRIFT ELIMINATORS
MOTIVA POLYETHYLENE MANUFACTURING COMPLEX	TX-0904	9/9/2020	TPM2.5	COOLING TOWER	0.0000	Non-contact design and DRIFT ELIMINATORS
DIAMOND GREEN DIESEL PORT ARTHUR FACILITY	TX-0905	9/16/2020	VOC	COOLING TOWER	0.0000	Non-contact design and sampling of strippable VOC
DIAMOND GREEN DIESEL PORT ARTHUR FACILITY	TX-0905	9/16/2020	TPM	COOLING TOWER	0.0000	DRIFT ELIMINATORS 0.001%
DIAMOND GREEN DIESEL PORT ARTHUR FACILITY	TX-0905	9/16/2020	TPM10	COOLING TOWER	0.0000	DRIFT ELIMINATORS 0.001%
DIAMOND GREEN DIESEL PORT ARTHUR FACILITY	TX-0905	9/16/2020	TPM2.5	COOLING TOWER	0.0000	DRIFT ELIMINATORS 0.001%
MONT BELVIEU FRACTIONATOR	TX-0912	2/5/2021	VOC	COOLING TOWER	0.0000	drift eliminators with 0.0005% maximum drift
UNIT 5	TX-0915	3/17/2021	TPM	COOLING TOWER	60000.0000 PPM, TDS	Drift eliminators – 0.0005%
UNIT 5	TX-0915	3/17/2021	TPM10	COOLING TOWER	60000.0000 PPM, TDS	Drift eliminators – 0.0005%
UNIT 5	TX-0915	3/17/2021	TPM2.5	COOLING TOWER	60000.0000 PPM, TDS	Drift eliminators – 0.0005%
	TTV 0000	10 /15 /2021	VOC		0.0000	This cooling tower is non-contact design. Monthly monitoring of VOC content of the cooling
FORMOSA POINT COMFORT PLANT	1X-0929	10/15/2021	Voc	COOLING TOWER	0.0000	Monthly VOC monitoring required Leak action level (for new sources) defined as a total
CENTURION BROWNSVILLE	TX-0930	10/19/2021	VOC	Cooling Tower	3.1000 PPMVD	strippable hydrocarbon concentration (as methane) in the stripping gas of 3.1 ppmv. Non- contact design.
CENTURION BROWNSVILLE	TX-0930	10/19/2021	TPM	Cooling Tower	0.0000	Drift eliminators required. Maximum drift 0.0005 percent. TDS limit of 3,500 ppmw in the cooling water. Daily sampling for TDS required, or weekly TDS sampling is allowed if conductivity is monitored daily and a TDS to conductivity ratio is established.
CENTURION BROWNSVILLE	TX-0930	10/19/2021	TPM10	Cooling Tower	0.0000	Drift eliminators required. Maximum drift 0.0005 percent. TDS limit of 3,500 ppmw in the cooling water. Daily sampling for TDS required, or weekly TDS sampling is allowed if conductivity is monitored daily and a TDS to conductivity ratio is established.
CENTURION BROWNSVILLE	TX-0930	10/19/2021	TPM2.5	Cooling Tower	0.0000	Drift eliminators required. Maximum drift 0.0005 percent. TDS limit of 3,500 ppmw in the cooling water. Daily sampling for TDS required, or weekly TDS sampling is allowed if conductivity is monitored daily and a TDS to conductivity ratio is established.
ROEHM AMERICA BAY CITY SITE	TX-0931	12/16/2021	VOC	Cooling Tower	0.0000	Non-contact design and sampling of strippable VOC
ROEHM AMERICA BAY CITY SITE	TX-0931	12/16/2021	TPM	Cooling Tower	0.0000	Drift eliminators with 0.001% drift
ROEHM AMERICA BAY CITY SITE	TX-0931	12/16/2021	TPM10	Cooling Tower	0.0000	Drift eliminators with 0.001% drift
ROEHM AMERICA BAY CITY SITE	TX-0931	12/16/2021	TPM2.5	Cooling Tower	0.0000	Drift eliminators with 0.001% drift
NACERO PENWELL FACILITY	TX-0933	11/17/2021	VOC	Cooling tower	0.0800 PPMW	Non-contact design and sampling of strippable VOC
NACERO PENWELL FACILITY	TX-0933	11/17/2021	TPM	Cooling tower	5000.0000 PPM	Drift eliminators with 0.001% drift
NACERO PENWELL FACILITY	TX-0933	11/17/2021	TPM10	Cooling tower	0.0000	Drift eliminators with 0.001% drift
NACERO PENWELL FACILITY	TX-0933	11/17/2021	TPM2.5	Cooling tower	0.0000	Drift eliminators with 0.001% drift
	-	•			· · ·	•

## Appendix B KNO Restart - RBLC Summary

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
MAIDSVILLE	*WV-0033	1/5/2	2022 TPM	Cooling Tower	2.1600	LB/HR	Drift Eliminator to 0.0005%
Nucor Steel Kankakee Inc	II0126	11/1/2018 updated 2/19/2019	TPM (PM, PM10 and PM2 5)	Cooling Tower	0.0010	Weight %	Drift Eliminator (BACT-PSD) 4500 00 gallons/minute throughput
Nucor Steel Kankakee, Inc.	IL-0126	11/1/2018 updated 2/19/2019	TPM (PM, PM10 and PM2.5)	Cooling Tower	4000	total dissolved solid	Drift Eliminator (BACT-PSD) 4500.00 gallons/minute throughput
	н. 010/	11/1/2019 1		Cooling Torres	0.70	have 10 manufe with 1	in Downit Limit
Nucor Steel Kankakee, Inc.	IL-0126	11/1/2018 updated 2/19/2019	TPM (PM, PM10 and PM2.5)	Cooling Tower	0.79	tpy 12-month rolling bas	is Permit Limit
-		<u> </u>		EU-COOLTOWER (Cooling			
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	FPM	Tower)	0.39	tpy 12-month rolling bas	is Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP) 1500.00 gallons/minute throughput
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	TPM10	Tower)	0.39	tpy 12-month rolling bas	is Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP)
				EU-COOLTOWER (Cooling			
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	TPM2.5	Tower)	0.39	tpy 12-month rolling bas	is Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP)
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	FPM	Tower)	2200	PPM by weight monthly	Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP)
			TD (10	EU-COOLTOWER (Cooling			
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	1PM10	EU-COOLTOWER (Cooling	2200	PPM by weight monthly	Drift Eliminator (99.0 % efficient) (BAC1-PSD-SIP)
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	TPM2.5	Tower)	2200	PPM by weight monthly	Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP)
				EU-COOLTOWER (Cooling	0.00		
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	FPM	EU-COOLTOWER (Cooling	0.005	% drift rate or less	Drift Eliminator (99.0 % efficient) (BAC1-PSD-SIP) Vendor certification of drift rate required
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	TPM10	Tower)	0.005	% drift rate or less	Drift Eliminator (99.0 % efficient) (BACT-PSD-SIP) Vendor certification of drift rate required
		10/10/2019 1-1-1 2/10/2010		EU-COOLTOWER (Cooling		0/ duift 1	Drift Eliminator (00.0 % officient) (BACT DOD OD) M. 1
Knauf Insulation, Inc Albion Facility	MI-0437	10/10/2018 updated 2/19/2019	11°M2.5	1 ower)	0.005	% arift rate or less	Drift Eliminator (99.0 % efficient) (BAC1-PSD-SIP) Vendor certification of drift rate required
		+		Cooling Tower/Heat Exchange			
Premcor Refining Group - Valero Port Arthur Refinery	TX-0847 (draft)	9/16/2018 updated 2/14/2019	VOC	System	0.08	PPMW	Noncontact (BACT-PSD)
Premcor Refining Group - Valero Port Arthur Refinery	TX-0847 (draft)	9/16/2018 updated 2/14/2019	TPM10	Cooling Tower/Heat Exchange System	0.001	% drift rate or less	Drift Eliminators (BACT-PSD)
Themeor Remaining Group - Valeno Fort Annual Remarking		5/10/2010 updated 2/11/2015		Cooling Tower/Heat Exchange	0.001		
Premcor Refining Group - Valero Port Arthur Refinery	TX-0847 (draft)	9/16/2018 updated 2/14/2019	TPM2.5	System	0.001	% drift rate or less	Drift Eliminators (BACT-PSD)
				EUCOOLINICTWR: Cooling			
				Tower (14 cell wet mechanical			
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	FPM	draft cooling tower)	4.03	lb/hr hourly	High Efficiency Drift/Mist Eliminators (BACT-PSD)
				EUCOOLINGTWR: Cooling			High Efficiency Drift (Mist Eliminators (BACT PCD) Vandar contification of drift rate
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	FPM	draft cooling tower)	0.0005	% drift rate or less	required
				EUCOOLINGTWR: Cooling			
	N/L 0/05	$7/1(/2018 \dots data d 2/10/2010)$		Tower (14 cell wet mechanical	2000	PPM TDS by weight	
DTE Electric Company - Belle River Combined Cycle Power Plant	MII-0435	// 16/ 2018 updated 2/ 19/ 2019		EUCOOLINGTWR: Cooling	3000	montniy	
				Tower (14 cell wet mechanical			
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	TPM10	draft cooling tower)	0.48	lb/hr	High Efficiency Drift/Mist Eliminators (BACT-PSD)
				EUCOOLINGTWR: Cooling			High Efficiency Drift/Mist Eliminators (BACT-PSD) Vendor certification of drift rate
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	TPM10	draft cooling tower)	0.0005	% drift rate or less	required
				EUCOOLINGTWR: Cooling			
DTE Electric Company Ballo Pivor Combined Cycle Power Plant	MI 0435	7/16/2018 updated $2/19/2019$	TPM10	Tower (14 cell wet mechanical draft cooling tower)	3000	PPM TDS by weight	Permit I imit
DTE Electric Company - Dene River Combined Cycle Power Plant	10433	771072010 updated 271372013		EUCOOLINGTWR: Cooling	3000		
				Tower (14 cell wet mechanical			
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	TPM2.5	draft cooling tower)	0.48	lb/hr	High Efficiency Drift/Mist Eliminators (BACT-PSD)
				Tower (14 cell wet mechanical			High Efficiency Drift/Mist Eliminators (BACT-PSD) Vendor certification of drift rate
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	TPM2.5	draft cooling tower)	0.0005	% drift rate or less	required
				EUCOOLINGTWR: Cooling		PPM TDS by weight	
DTE Electric Company - Belle River Combined Cycle Power Plant	MI-0435	7/16/2018 updated 2/19/2019	TPM2.5	draft cooling tower)	3000	monthly	Permit Limit
Davy Chamical J.HC 0	TV 0941	7/1/2018		Cooling Tower/Heat Exchange	0.005	% officiana	Drift Eliminators (BACT PCD)
	17-0841	1/1/2010 upuated 2/19/2019		Cooling Tower/Heat Exchange	0.005		
Dow Chemical - LHC-9	TX-0841	7/1/2018 updated 2/19/2019	TPM10	System	0.005	% efficiency	Drift Eliminators (BACT-PSD)
Davy Chamical J. U.C. 0	TV 0941	7/1/2018	TDM2 5	Cooling Tower/Heat Exchange	0.005	% officiana	Drift Eliminators (BACT PCD)
Dow Chemical - LHC-9	1X-0841	1/1/2018 updated 2/19/2019	11°N12.5	System	0.005	% efficiency	Drift Eliminators (DAC1-PSD)
		+					
				EUCOOLTOWER (North Plant):			
				C = 1 $T = 10 = 11$		-	
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	Cooling Tower (8 cell wet mechanical draft cooling tower)	5 50	tpy 12-month rolling has	is High Efficiency Drift/Mist Eliminators (BACT-PSD) (170.000 gal/min)
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	Cooling Tower (8 cell wet mechanical draft cooling tower)	5.59	tpy 12-month rolling bas	is High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	Cooling Tower (8 cell wet mechanical draft cooling tower) EUCOOLTOWER (North Plant):	5.59	tpy 12-month rolling bas	is High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)

broughput
inoughput
rift rate required
rift rata received
rift rate required
rift rate required
drift rate
unitrate
drift rate
duift note
uriit rate
drift rate
מווו זמוכ

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
				EUCOOLTOWER (North Plant):			
				Cooling Tower (8 cell wet		PPM TDS by weight	
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	mechanical draft cooling tower)	3000	monthly	Permit Limit
				EUCOOLTOWER (North Plant):			
				Cooling Tower (8 cell wet			
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM10	mechanical draft cooling tower)	2.85	tpy 12-month rolling basis	High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
				EUCOOLTOWER (North Plant):			Llich Efficience Duift (Mist Eliminators (BACT DCD) Vender contification of duift note
Marshall Energy Contor LLC MEC North, LLC and MEC South LLC	ML-0433	6/29/2018 updated $2/19/2019$	TPM10	mechanical draft cooling tower)	0.0005	% drift rate or less	required
Marshan Energy Center Elec Wile North, Elec and Wile South Elec	1011-0400	0/2)/2010 apaaca 2/1)/201)			0.0005		
				EUCOOLTOWER (North Plant):			
				Cooling Tower (8 cell wet		PPM TDS by weight	
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM10	mechanical draft cooling tower)	3000	monthly	Permit Limit
				EUCOOLTOWER (North Plant):			
				Cooling Tower (8 cell wet			
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM2.5	mechanical draft cooling tower)	2.85	tpy 12-month rolling basis	High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
				EUCOOLTOWER (North Plant):			
Marshall Engager Contar LLC MEC North, LLC and MEC South LLC	MI 0422	(/20/2018 up dated 2/10/2010)	TDM2 5	Cooling Tower (8 cell wet	0.0005	0/ drift rate or loss	High Efficiency Drift/ Mist Eliminators (BACI-PSD) Vendor certification of drift rate
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MII-0455	6/29/2018 updated 2/19/2019	11 MZ.5	mechanical draft cooling tower)	0.0005	% drift rate or less	fequired
				EUCOOLTOWER (North Plant):			
				Cooling Tower (8 cell wet		PPM TDS by weight	
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM2.5	mechanical draft cooling tower)	3000	monthly	Permit Limit
		-					
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	mechanical draft cooling tower)	5.59	tpy 12-month rolling basis	High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			High Efficiency Drift/Mist Eliminators (BACT-PSD) Vendor certification of drift rate
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	FPM	mechanical draft cooling tower)	0.0005	% drift rate or less	required
				ELICOOL TOWER (Courth Plant)			
				EUCOULTOWER (South Plant):		PPM TDS by woight	
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	ML-0433	6/29/2018 updated 2/19/2019	FPM	mechanical draft cooling tower)	3000	monthly	Permit Limit
Marshan Energy center Electrice North, Electric total Elec	IVII 0400	0, 2), 2010 uputted 2, 1), 201)			5000	inontany	
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM10	mechanical draft cooling tower)	2.85	tpy 12-month rolling basis	High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			High Efficiency Drift/Mist Eliminators (BACT-PSD) Vendor certification of drift rate
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM10	mechanical draft cooling tower)	0.0005	% drift rate or less	required
				EUCOOLTOWER (South Plant):		DDM TDC by weight	
Marshall Energy Contor LLC MEC North, LLC and MEC South LLC	ML-0433	6/29/2018 updated $2/19/2019$	TPM10	mechanical draft cooling tower)	3000	monthly	Permit I imit
Marshan Energy Center Electrice North, Electric will bout Elec	1011-0400	0/2)/2010 updated 2/1)/201)			5000	monuny	
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM2.5	mechanical draft cooling tower)	2.85	tpy 12-month rolling basis	High Efficiency Drift/Mist Eliminators (BACT-PSD) (170,000 gal/min)
				EUCOOLTOWER (South Plant):			
				Cooling Tower (8 cell wet			High Efficiency Drift/Mist Eliminators (BACT-PSD) Vendor certification of drift rate
Marshall Energy Center LLC MEC North, LLC and MEC South LLC	MI-0433	6/29/2018 updated 2/19/2019	TPM2.5	mechanical draft cooling tower)	0.0005	% drift rate or less	required
				EUCOOLTOWER (South Plant):		DDM TCD by woight	
Marchall Energy Contor LLC MEC North, LLC and MEC South LLC	MI 0422	6/29/2018 updated $2/19/2019$	TPM2 5	mechanical draft cooling tower)	2000	monthly	High Efficiency Drift/Mist Eliminators (Permit) (170,000, gal/min)
Shintech Louisiana, LLC - Plaquominos Plant 1	IVII-0400	5/2/2018 undated 2/10/2019	TPM10	Cooling Tower 2 (P 35)	0.000	% drift rate or loss	Drift Eliminator (BACT-PSD_OPERATING PERMIT) (26 000 gal/min)
Shintech Louisiana, LLC - Plaquemines Plant 1	LA-0328	5/2/2018 updated 2/19/2019	TPM2.5	Cooling Tower 2 (P-35)	0.0005	% drift rate or less	Drift Eliminator (BACT-PSD, OPERATING PERMIT) (26,000 gal/min)
		, , <u>r</u> ,,.,		0 (/	0.0005	mg/1TSD - monthly	· · · · · · · · · · · · · · · · · · ·
Novi Energy - C4GT, LLC	VA-0328 (draft)	4/26/2018 updated 11/16/2018(draft)		Cooling Tower	6250	water quality testing	This is pollution prevention measure. No Controls Feasible (SIP)
Entergy Texas Inc - Montgomery County Power Station	TX-0834	3/30/2018 updated 2/19/2019	TPM	Cooling Tower	0.005	% efficiency	Drift Eliminators (BACT-PSD)(9,864,000 gal/hr)
Entergy Texas Inc - Montgomery County Power Station	TX-0834	3/30/2018 updated 2/19/2019	TPM10	Cooling Tower	0.005	% efficiency	Drift Eliminators (BACT-PSD)(9,864,000 gal/hr)
Entergy Texas Inc - Montgomery County Power Station	TX-0834	3/30/2018 updated 2/19/2019	TPM2.5	Cooling Tower	0.005	% efficiency	Drift Eliminators (BACT-PSD)(9,864,000 gal/hr)
Exxonmobil Oil Corporation - Exxonmobile Beaumont Refinery	TX-0832	1/9/2018 updated 2/19/2019	TPM	Cooling Towers	0.005	% efficiency	Drift Eliminator (BACT-PSD, NSPS Ja, MACT CC)
Exxonmobil Oil Corporation - Exxonmobile Beaumont Refinery	TX-0832	1/9/2018 updated 2/19/2019	TPM10	Cooling Towers	0.005	% efficiency	Drift Eliminator (BACT-PSD, NSPS Ja, MACT CC)
Exxonmobil Oil Corporation - Exxonmobile Beaumont Refinery	TX-0832	1/9/2018 updated 2/19/2019	1PM2.5	Cooling Towers	0.005	% efficiency	Drift Eliminator (BACT-PSD, NSPS Ja, MACT CC)

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	FPM	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	% max drift rate (vendor 0.0006 certified)	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	FPM	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	7700 PPM TDS by weight	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	TPM10	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	% max drift rate (vendor 0.0006 certified)	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	TPM10	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	7700 PPM TDS by weight	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	TPM2.5	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	% max drift rate (vendor 0.0006 certified)	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017 updated 3/8/2018	TPM2.5	EUCOOLTWR (Cooling Tower Wet Mechanical Drift)	7700 PPM TDS by weight	BACT is to equip and maintain four-cell evaporative cooling tower in series with mechanical chilling to cool turbine inlet air with high efficiency drift eliminators.
Kimberly-Clark Corporation - Mobile Operations - Kimberly-Clark Mobile	AL-0321	10/11/2017 updated 5/11/2018	FPM10	803 Cooling Tower	0.005 % drift elimination	No Controls Feasible
Kimberly-Clark Corporation - Mobile Operations - Kimberly-Clark Mobile	AL-0321	10/11/2017 updated 5/11/2018	FPM10	803 Cooling Tower	1000 mg/L TDS 12 month avg	No Controls Feasible
Kimberly-Clark Corporation - Mobile Operations - Kimberly-Clark Mobile	AL-0321	10/11/2017 updated 5/11/2018	FPM2.5	803 Cooling Tower	0.005 % drift elimination	No Controls Feasible
Kimberly-Clark Corporation - Mobile Operations - Kimberly-Clark Mobile	AL-0321	10/11/2017 updated 5/11/2018	FPM2.5	803 Cooling Tower	1000 mg/L TDS 12 month avg	No Controls Feasible
Knauf Insulation, Inc Inwood	WV-0027	9/15/2017 updated 5/1/2018	TPM	Cooling Tower 3 Cells	0.04 lb/hr 3-hour avg	0.005% drift eliminator - Restrict the make-up water to be provided from the local water company or have a TDS of less than 750 ppm by weight. 3 mechanical draft cooling towers.
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	РМ	Eighteen Cell Cooling Tower (EU- 010)	2000 basis	High Efficiency Drift Eliminator
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	PM	010)	0.0005 % Drift	High Efficiency Drift Eliminator
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	PM10	Eighteen Cell Cooling Tower (EU- 010)	mg/l avg on a monthly 2000 basis	High Efficiency Drift Eliminator
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	PM10	Eighteen Cell Cooling Tower (EU- 010)	0.0005 % Drift	High Efficiency Drift Eliminator
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	PM2.5	Eighteen Cell Cooling Tower (EU- 010)	mg/l avg on a monthly 2000 basis	High Efficiency Drift Eliminator
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft)	PM2.5	Eighteen Cell Cooling Tower (EU- 010)	0.0005 % Drift	High Efficiency Drift Eliminator
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	PM2.5	Cooling Tower CT-16-1 (EQT032)	0.001 lbs/hr	High Efficiency Drift Eliminator
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	PM2.5	Cooling Tower CT-16-1 (EQT032)	0.01 tons/year	High Efficiency Drift Eliminator
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	PM10	Cooling Towers	% three one-hour test 0.0005 average	Drift Eliminators (Unit A = 241,843 gpm Unit B = 201,196 gpm Unit C = 72,531 gpm)
				~	% three one-hour test	
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	PM2.5	Cooling Towers	average	Drift Eliminators (Unit A = 241,843 gpm Unit B = 201,196 gpm Unit C = 72,531 gpm) VOC leak detection system to identify leaks into the cooling water (LAER) (products and
Lyondell Chemical Bayport Choate Plant	TX-0823 (draft)	6/7/17 draft, 8/7/17 update	VOC	Cooling Towers	4.05 tpy	byproducts throughput)
Total Petrochemicals & Refining USA, Inc.	TX-0815 (draft)	1/17/17 draft, 1/26/17 update	VOC	Cooling Towers	27.95 tpy	coolint water VOC concentration (non-contact) (MACT XX) (no additional notes)
Total Petrochemicals & Refining USA, Inc.	1X-0815 (draft)	1/17/17 draft, 1/26/17 update	PM10	Cooling Towers (LCT-621 ILCT-	No numerical limit No numerical limit	Drift Eliminators (99.999% efficiency)
Methanex - Geismar Methanol Plant	LA-0317	12/22/16, 4/28/17 update	PM10	621)	0.001 % Drift Rate	Drift Eliminators (66000 gpm throughput)
Methanex - Geismar Methanol Plant	LA-0317	12/22/16, 4/28/17 update	PM2.5	621)	0.001 % Drift Rate	Drift Eliminators (66000 gpm throughput) Mist / Drift Eliminators (SIP) (A three cell wat mechanical draft cooling tower with plume
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/16 draft, 7/31/17 update	TPM10	Wet Mechanical Draft)	2.37 period	abatement by a dry heat exchanger.)
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/16 draft, 7/31/17 update	TPM10	Wet Mechanical Draft)	0.005 % Drift Rate	abatement by a dry heat exchanger.)
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/16 draft, 7/31/17 update	TPM2.5	EUCOOLTWR (Cooling Tower Wet Mechanical Draft)	tpy 12-month rolling time 2.37 period	Mist/Drift Eliminators (SIP) (A three-cell wet mechanical draft cooling tower with plume abatement by a dry heat exchanger.)
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/16 draft, 7/31/17 update	TPM2.5	EUCOOLTWR (Cooling Tower Wet Mechanical Draft)	0.005 % Drift Rate	Mist/Drift Eliminators (SIP) (A three-cell wet mechanical draft cooling tower with plume abatement by a dry heat exchanger.)
Nucor Steel	IN-0255	9/21/16, 10/11/16 update	FPM	Hot Mill Contact Cooling Tower	0.001 % Drift Rate	Drift Eliminators (25000 gpm throughput)
Nucor Steel	IN-0255	9/21/16, 10/11/16 update	FPM	Hot Mill Contact Cooling Tower	0.38 lb/hr	Drift Eliminators (25000 gpm throughput)
Nucor Steel	IN-0255	9/21/16, 10/11/16 update	TPM10	Hot Mill Contact Cooling Tower	0.001 % Drift Rate	Drift Eliminators (25000 gpm throughput)
Nucor Steel	IN-0255	9/21/16, 10/11/16 update	TPM10	Hot Mill Contact Cooling Tower	0.19 lb/hr	Drift Eliminators (25000 gpm throughput)
Nucor Steel	IN-0255	9/21/16, 10/11/16 update	TPM2.5	Hot Mill Contact Cooling Tower	0.001 % Drift Rate	Drift Eliminators (25000 gpm throughput)
<b></b>			•	• 0	· · · · · ·	

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
Nucor Steel	INI-0255	9/21/16.10/11/16 update	TPM2.5	Hot Mill Contact Cooling Tower	0.001	lb/hr	Drift Eliminators (25000 gpm throughput)
		, <u></u> , <u>-</u>			0.001	,	
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
CPV Fairview Energy Center	PA-0310 (draft)	9/2/16 draft, 7/31/17 update	ТРМ	Cooling Tower	0.8	lb/hr	TDS solids shall not exceed 1500 ppm.)
				0		,	
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
CPV Fairview Energy Center	PA-0310 (draft)	9/2/16 draft, 7/31/17 update	ТРМ	Cooling Tower	3.4	tov 12-month rolling basis	TDS solids shall not exceed 1500 ppm.)
						T) -	
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
CPV Fairview Energy Center	PA-0310 (draft)	9/2/16 draft, 7/31/17 update	TPM10	Cooling Tower	0.8	lb/hr	TDS solids shall not exceed 1500 ppm.)
					0.0		
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
CPV Eairwing Enormy Contor	PA 0310 (draft)	9/2/16 draft 7/31/17 update	TPM10	Cooling Tower	3.4	tov	Permittee shall sample, analyze, and record the circulating water TDS on a monthly basis.
Crv Fairview Energy Center	PA-0310 (draft)				5.4	tpy	
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
	DA 0210 (1 (1)	0/2/10 $1 = (1 = 7/2)/17$ $1 = 1 = 1 = 1$				11. /1	Permittee shall sample, analyze, and record the circulating water TDS on a monthly basis.
CPV Fairview Energy Center	PA-0310 (draft)	9/2/16 draft, //31/17 update	1PM2.5	Cooling Tower	0.4	lb/ nr	1DS solids shall not exceed 1500 ppm.)
							NSPS (12-cell mechanical draft wet cooling tower with high-efficiency drift eliminator.
							Permittee shall sample, analyze, and record the circulating water TDS on a monthly basis.
CPV Fairview Energy Center	PA-0310 (draft)	9/2/16 draft, 7/31/17 update	TPM2.5	Cooling Tower	1.8	tpy	TDS solids shall not exceed 1500 ppm.)
Sasol Chemicals - Comonimer-1 Unit Sasol Chemicals -Lake Charles Chemical Complex - Comonimer-1 Unit	LA-0277 I A-0319	9/1/16, 4/28/17 update	VOC	cooling tower v12-800			NESHAP - Comply with requirements of 40 CFR 63.104 (15200 gpm)
Entergy Louisiana, LLC - St. Charles Power Station	LA-0313	8/31/16, 4/28/17 update	FPM10	SCPS Cooling Tower 1	1.24	lb/hr hourly maximum	High Efficiency Drift Eliminators (164400 gpm)
Entergy Louisiana, LLC - St. Charles Power Station	LA-0313	8/31/16, 4/28/17 update	FPM10	SCPS Cooling Tower 1	3.61	tpy annual maximum	High Efficiency Drift Eliminators (164400 gpm)
Entergy Louisiana, LLC - St. Charles Power Station	LA-0313	8/31/16, 4/28/17 update	FPM10	SCPS Cooling Tower 1	0.005	% Drift Rate	BACT - High Efficiency Drift Eliminators (164400 gpm)
Entergy Louisiana, LLC - St. Charles Power Station	LA-0313	8/31/16, 4/28/17 update	FPM2.5	SCPS Cooling Tower 1	1.24	lb/hr hourly maximum	High Efficiency Drift Eliminators (164400 gpm)
Entergy Louisiana, LLC - St. Charles Power Station	LA-0313	8/31/16, 4/28/17 update	FPM2.5 FPM2.5	SCPS Cooling Tower 1	3.61	tpy annual maximum	High Efficiency Drift Eliminators (164400 gpm)
Indorama Ventures Olefins, LLC - Indorama Lake Charles Facility	LA-0313	8/3/16, 4/28/17 update	TPM10	cooling towers - 007	0.005	% Drift Rate	Drift Eliminators (86500 gpm)
Indorama Ventures Olefins, LLC - Indorama Lake Charles Facility	LA-0314	8/3/16, 4/28/17 update	TPM10	cooling towers - 007	1400	PPM TDS	Drift Eliminators (86500 gpm)
Indorama Ventures Olefins, LLC - Indorama Lake Charles Facility	LA-0314	8/3/16, 4/28/17 update	TPM2.5	cooling towers - 007	0.005	% Drift Rate	Drift Eliminators (86500 gpm)
Indorama Ventures Olefins, LLC - Indorama Lake Charles Facility	LA-0314	8/3/16, 4/28/17 update	TPM2.5	cooling towers - 007	1400	PPM TDS	Drift Eliminators (86500 gpm)
Indorama Ventures Olefins, LLC - Indorama Lake Charles Facility	LA-0314	8/3/16.4/28/17 update	VOC	cooling towers - 007	No numeric limit		NESHAP - monitored as required by 40 CFR 63 subpart XX (86500 gpm)
							BACT, NSPS - High Efficiency Drift Eliminators (One 8-cell, 124,800 gallon per minute
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	FPM	Cooling Tower	0.685	lb/hr	(GPM) Mechanical Induced Draft Cooling Tower)
	NH 000F	7/10/16 11/2/16 and the	ED. //10		0 525	11. /1	BACT - High Efficiency Drift Eliminators (One 8-cell, 124,800 gallon per minute (GPM)
Stonegate Power, LLC - Middlesex Energy Center, LLC	INJ-0085	// 19/ 16, 11/ 5/ 16 update			0.535	10/ Hr	BACT - High Efficiency Drift Eliminators (One 8-cell, 124,800 gallon per minute (GPM)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	FPM2.5	Cooling Tower	0.223	lb/hr	Mechanical Induced Draft Cooling Tower)
							BAC1 - Monthly hydrocarbon monitoring; maintain equipment to minimize fugitive
							scheduled unit shutdown (Annual VOC emissions from the CGP Unit Cooling Tower, along
				CGP Unit Cooling Tower (3-03,			with VOC emissions from a number of other cooling towers not addressed in the PSD
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/16, 9/19/16 update	VOC	EQT 15)	0.13	lb/hr hourly maximum	permit, are capped at 12.29 TPY (GRP 13). (3000 GPM)
Flint Hills Resources Houston Chemical LLC - PL Propylene Houston Olefins PL	LTX-0803 (draft)	7/12/16  draft, 8/31/16  update	TPM10	Cooling Tower	0.001	% Drift Rate	BACT - Drift Eliminators
Flint Hills Resources Houston Chemical LLC - PL Propylene Houston Olefins P	$I_{\rm TX-0803}$ (draft)	6/24/16 draft, 7/20/16 update	CO2e	Cooling Tower	0.001	Drift	BACT - % drift design
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	03/09/2016	TPM	Mechanical draft cooling tower	0.0005	% Drift Rate	BACT (Must have certified drift rate no more than 0.0005%)
							BACT - Drift Eliminators (For this analysis, as a simplifying conservative assumption, all of
							deemed "Confidential" by applicant.) (The only feasible option at this location is a wet
							cooling tower with high efficiency drift eliminators (0.001%). The emission rate is somewhat
							higher than many cooling towers, but the sizes proposed are very much smaller than the
Commercial Metals Company - CMC Steel Oklahoma	OK-0173	1/19/16, 7/7/16 update	TPM10	Cooling Towers	0.001	% Drift Rate	cooling towers that are installed at power plants, refineries, etc.)
							Integrated Drift Eliminators (PSD-LA-747 entered as LA-0240 and PSD-LA-747(M1) entered
							as LA-0251. LA-0318 is for PSD-747(M2), dated 7/5/12 (add dust collectors, cooling tower,
							and diesel engines), PSD-747(M3), dated 5/13/13 (no BACT changes), PSD-747(M4), dated
			TTD // 0	Castin T			2/10/15 (add a cooling tower and diesel engines), and PSD-747(M5), dated 1/7/16 (add dust
Flopam, Inc Flopam Facility	LA-0318	1///16,4/28/17 update	11°M10	Cooling lowers	No numeric limit		collectors))
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Cooling Towers	0.0005	% Drift	Drift Eliminator
Iowa Fertilizer Company	1A-0105	10/26/2012	μ <sup>2</sup> M	Cooling Tower	0.0005	% Drift	

CF Industries Nitrogen, LLC	IA-0106	7/12/2013 PM	Cooling Towers	0.0005 % Drift	Drift Eliminator	
owa Fertilizer Company	IA-0105	10/26/2012 PM	Cooling Tower	0.0005 % Drift	Drift Eliminator	

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
Ohio Valley Resources, LLC	TBD	9/26/2013	PM	Cooling Towers	0.0005 % Drift	High Efficiency Drift Eliminator
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Cooling Tower	0.0005 % of total circ flow	Drift/Mist Eliminators
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Cooling Tower	1.5 lbs/hr	Drift/Mist Eliminators
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Cooling Tower	20% Reduction	Drift/Mist Eliminators
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Cooling Towers	0.0005 % Drift	Drift Eliminator
Consolidated Environmental Management Inc Nucor Direct Reduction Irc	on PlaLA-0248	1/27/2011	PM10	Process Water Cooling Tower	0.11 lbs/hr	BACT is a combination of less than or equal to 1000 milligrams per liter TDS concentration in the culling water and drift eliminators employing a drift maximum of 0.0005%
Consolidated Environmental Management Inc Nucor Direct Reduction Irc	on PlaLA-0248	1/27/2011	PM10	Process Water Cooling Tower	0.4 tons/year	BACT is a combination of less than or equal to 1000 milligrams per liter TDS concentration in the culling water and drift eliminators employing a drift maximum of 0.0005%
Consolidated Environmental Management Inc Nucor Direct Reduction Irc	on PlaLA-0248	1/27/2011	PM10	Clean Water Cooling Tower	0.07 lbs/hr	BACT is a combination of less than or equal to 1000 milligrams per liter TDS concentration in the culling water and drift eliminators employing a drift maximum of 0.0005%
Consolidated Environmental Management Inc Nucor Direct Reduction Irc	on PliLA-0248	1/27/2011	PM10	Clean Water Cooling Tower	0.29 tons/year	BACT is a combination of less than or equal to 1000 milligrams per liter TDS concentration in the culling water and drift eliminators employing a drift maximum of 0.0005%
Entergy Louisiana LLC Ninemile Point Electric Generating Plant	LA-0254	8/16/2011	PM10	Cooling Tower	0.0005 % Drift annual average	High Efficiency Mist Eliminator
Entergy Louisiana LLC Ninemile Point Electric Generating Plant	LA-0254	8/16/2011	PM10	Chiller Cooling Tower	0.001 % Drift annual average	High Efficiency Mist Eliminator
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Cooling Tower	0.0005 % Drift	Drift Eliminator
Koch Nitrogen Company Enid Nitrogen Plant	OK-0124	5/1/2008	PM10	Cooling Tower	No numeric limit	High Efficiency Drift Eliminator
Ohio Valley Resources, LLC	TBD	9/26/2013	PM10	Cooling Towers	0.0005 % Drift	High Efficiency Drift Eliminator
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM10	Cooling Tower	0.0005 % of total circ flow	Drift/Mist Eliminators
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM10	Cooling Tower	1.5 lbs/hr	Drift/Mist Eliminators
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Cooling Towers	0.0005 % Drift	Drift Eliminator
Entergy Louisiana LLC Ninemile Point Electric Generating Plant	LA-0254	8/16/2011	PM2.5	Cooling Tower	0.0005 % Drift annual average	High Efficiency Mist Eliminator
Entergy Louisiana LLC Ninemile Point Electric Generating Plant	LA-0254	8/16/2011	PM2.5	Chiller Cooling Tower	0.001 % Drift annual average	High Efficiency Mist Eliminator
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Cooling Tower	0.0005 % Drift	Drift Eliminator
Ohio Valley Resources, LLC	TBD	9/26/2013	PM2.5	Cooling Towers	0.0005 % Drift	High Efficiency Drift Eliminator
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emission	Cooling Towers	0 %	Drift Eliminator
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emission	Cooling Tower	0 % Opacity	Drift Eliminator
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Cooling Towers	No numeric limit	limit the amount of VOC in treatment chemicals and a drift eliminator

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times. Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they do not flare common process gas.

## Appendix B KNO Restart - RBLC Summary

#### KNO Restart RBLC Search Summary Search: "MDEA", "methyl", "urea", "42.009", "61.999" - All Results **UF-85 Tanks**

#### No new entries

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
Toyota Motors - Motor Vehicle	TX-0846	9/23/2018(draft)	VOC	Storage Tanks - Very Low	0		P2: White fixed roof storage
Assembly Plant				Vapor Pressure Non Gasoline			tanks equipped with a
				Automotive Fluids - Gear Lube,			submerged fill pipe. use of
				Engine Oil, Diesel fuel, Urea,			drain dry construction is
				ATF Etc. <20,000 gal each			required to minimize the
							emissions from tank entry
							and inspection.
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	MDEA Storage Tank	0.1	tons/year rolling 12 month total	Nitrogen Gas Blanket
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Urea uf-85 Storage Tank	0.046	lb/hr average of 3 stack tests	packed bed scrubber

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

KNO Restart RBLC Search Summary Search: "Reformer" - Fertilizer Plants only Unit 12 - Primary Reformer

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
EL DORADO CHEMICAL COMPANY	AR-0170	12/2/2020 Methane	SN-49 Ammonia Plant Primary Reformer	0.0099 LB/MMBTU, 3 HR	Proper Catalyst Selection, Good Operating Practices
EL DORADO CHEMICAL COMPANY MIDWEST FERTILIZER COMPANY LLC	AR-0170 *IN-0324	12/2/2020 CO2e 5/6/2022 PM10	SN-49 Ammonia Plant Primary Reformer Reformer Furnace EU-001	423800 TONS PER 12 ROLLING MONTHS 0.0024 LB/MMBTU	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, shall be designed to achieve a thermal efficiency of 80% (HHV). good combustion practices and proper design
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Reformer Furnace EU-001	1.87 LB/HR	good combustion practices and proper design
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Reformer Furnace EU-001	0.0024 LB/MMBTU	good combustion practices and proper design
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Reformer Furnace EU-001	1.87 LB/HR	good combustion practices and proper design
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Reformer Furnace EU-001	59.61 LB/MMCF	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, shall be designed to achieve a thermal efficiency of 80% (HHV).
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Reformer Furnace EU-001	399317 TON/YR, TWELVE CONSECUTIVE MONTH PI	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, ERIO shall be designed to achieve a thermal efficiency of 80% (HHV).
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Reformer Furnace EU-001	0.0014 POUND PER MMBTU	good combustion practices and proper design, shall combust natural gas and/or process off gas streams.
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Reformer Furnace EU-001	1.09 LB/HR	good combustion practices and proper design, shall combust natural gas and/or process off gas streams.
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Reformer Furnace EU-001	0.0194 LB/MMBTU	good combustion practices and proper design, shall combust natural gas and/or off gas streams
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Reformer Furnace EU-001	15.13 LB/HR	good combustion practices and proper design, shall combust natural gas and/or off gas streams
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Reformer Furnace EU-001	9 PPMVD THIRTY-DAY ROLLING AVERAGE	selective catalytic reduction at all times the reformer is in operation, except during startup and shutdown when the catalyst is below its normal operating temperature.
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO2e	Primary Reformer Stack RS-16-1 (EQT029)	363287 tpy	Energy Efficiency Measure (note: 111.72 kg/MM BTU of CO2, 0.001 kg/MM BTU of CH4, and 0.0001 kg/MM BTU of N2O)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO	Primary Reformer Stack RS-16-1 (EQT029)	33.26 lb/hr	Good Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO	Primary Reformer Stack RS-16-1 (EQT029)	121.41 tpy	Good Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 PM2.5	Primary Reformer Stack RS-16-1 (EQT029)	3.01 lb/hr	Good Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)

BLINGKANCCHMERAL COMPANY       ALGO       1/2/2000       Median       Sk4 Ammona Plant Pinnay Behave       ALGO       Ppper Calest Educing, Codd Operating Pinnets         BLINGKANCCHMERAL COMPANY       ALGO       ALGO       ALGO       Pinnet	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
NUMBER     Number <th>EL DORADO CHEMICAL COMPANY</th> <th>AR-0170</th> <th>12/2/2020</th> <th>Methane</th> <th>SN-49 Ammonia Plant Primary Reformer</th> <th>0.0099</th> <th>B/MMBTU, 3 HR</th> <th>Proper Catalyst Selection, Good Operating Practices</th>	EL DORADO CHEMICAL COMPANY	AR-0170	12/2/2020	Methane	SN-49 Ammonia Plant Primary Reformer	0.0099	B/MMBTU, 3 HR	Proper Catalyst Selection, Good Operating Practices
III (INVERSIVE TERTILIZER COMPANY LLC         No.001         L/2/2001 M2         L/2/2001 M2 <thl 2001="" m2<="" th="">         L/2/2001 M2         <thl 2001="" m<="" td=""><td></td><td>A.D. 0170</td><td>12/2/2020</td><td></td><td></td><td>422900</td><td>TONG DED 12 DOLUNIC MONTHG</td><td>good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows,</td></thl></thl>		A.D. 0170	12/2/2020			422900	TONG DED 12 DOLUNIC MONTHG	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows,
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	EL DOKADO CHEMICAL COMPANY	AK-01/0		DM10	SN-49 Ammonia Plant Primary Reformer	423800	I IONS PER IZ KOLLING MONTHS	shall be designed to achieve a thermal efficiency of 80% (FIFTV).
	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	PM10	Reformer Furnace EU-001	0.0024		good compustion practices and proper design
NUMERY FRETHLIZER COMPANY LLC         Protect         9/9 / 222 (nL2         Reformer Funace EU-001         Outcol al / nlm 10         point Unitable main player design           MUMMERY FRETHLIZER COMPANY LLC         Protect	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	PM10	Reformer Furnace EU-001	1.8/		good combustion practices and proper design
MIDWEST FERTILIZER COMPANY ILC N4.24 NJ 22 NLS Reimmer Furnace FL-001 DA // TRK geod combusing practices and proper delagin. All combust natural gas and/or processproduction practices and proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction of the proper delagin. All combust natural gas and/or processproduction process and proper delagin. All combust natural gas and/or processproduction process and proper delagin. All combust natural gas and/or processproduction process and proper delagin. All combust natural gas and/or processproduction process and proper delagin. All combust natural gas and/or processproduction process and proper delagin. All combust natural gas and/or processproduction practices and proper delagin. All combust natural gas and/or processproduction practices and proper delagin. All combust natural gas and/or processproductio	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	PM2.5	Reformer Furnace EU-001	0.0024	LB/ MMBIU	good combustion practices and proper design
MIDWEST FERTILIZER COMPANY ILC       NA024       Solution       Add Solution of the	MIDWEST FERTILIZER COMPANY LLC	*1N-0324	5/6/2022	PM2.5	Reformer Furnace EU-001	1.87	LB/HR	good combustion practices and proper design
MIDWEST FERTILIZER COMPANY LLC       NN-024       Software       Sof	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	CO2e	Reformer Furnace EU-001	59.61	LB/MMCF	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, shall be designed to achieve a thermal efficiency of 80% (HHV).
MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/2022       VOC       Reformer Furnace EU-001       0.0014       POUND PER MMBTU       good combustion practices and proper design, shall combust natural gas and/or process         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/2022       VOC       Reformer Furnace EU-001       1.00       LD/HR       good combustion practices and proper design, shall combust natural gas and/or process         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/2022       CO       Reformer Furnace EU-001       0.004       POUND PER MMBTU       good combustion practices and proper design, shall combust natural gas and/or off gas         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/2022       CO       Reformer Furnace EU-001       0.004       PIM/WEST       good combustion practices and proper design, shall combust natural gas and/or off gas         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/2022       CO       Reformer Furnace EU-001       15.13       LB/HR       stecams       stecams <t< td=""><td>MIDWEST FERTILIZER COMPANY LLC</td><td>*IN-0324</td><td>5/6/2022</td><td>CO2e</td><td>Reformer Furnace EU-001</td><td>399317</td><td>TON/YR, TWELVE CONSECUTIVE MONTH PE</td><td>good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, RIO shall be designed to achieve a thermal efficiency of 80% (HHV).</td></t<>	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	CO2e	Reformer Furnace EU-001	399317	TON/YR, TWELVE CONSECUTIVE MONTH PE	good combustion practices and proper design, shall combust natural gas and/or process off gas streams, shall be equipped with the following energy efficiency features: air inlet controls and flue gas heat recovery to pre-heat inlet fuel, inlet air and inlet steam flows, RIO shall be designed to achieve a thermal efficiency of 80% (HHV).
MIDWEST FERTILIZER COMPANY LLC       N-0324       5/6/202       VC       Reformer Funace EU-001       0.0014       POUND PER MMBTU       off gas streams.         MIDWEST FERTILIZER COMPANY LLC       'N-0324       5/6/202       VC       Reformer Funace EU-001       109       Lp/HR       good combustion practices and proper design, shall combust natural gas and/or grass         MIDWEST FERTILIZER COMPANY LLC       'N-0324       5/6/202       CO       Reformer Funace EU-001       0.0014       POUND PER MMBTU       good combustion practices and proper design, shall combust natural gas and/or grass         MIDWEST FERTILIZER COMPANY LLC       'N-0324       5/6/202       CO       Reformer Funace EU-001       0.019       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams.         MIDWEST FERTILIZER COMPANY LLC       'N-0324       5/6/202       CO       Reformer Funace EU-001       15.13       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams.         MIDWEST FERTILIZER COMPANY LLC       'N-0324       5/6/202       CO       Reformer Funace EU-001       15.13       LB/HR       streams       selective catalytic reduction at all times the reformer is in operation, except during streams         Topchem Pollock, LLC       LA-0306       12/20/2016, updated 8/S/17       CO2e       Primary Reformer Stack RS-161 (EQT029)								good combustion practices and proper design, shall combust natural gas and/or process
MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       VCC       Reformer Furnace EU-001       LB/HR       good combustion practices and proper design, shall combust natural gas and/or grocess off gas streams.         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       CO       Reformer Furnace EU-001       0.0194       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       CO       Reformer Furnace EU-001       15.13       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       CO       Reformer Furnace EU-001       15.13       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       NOx       Reformer Furnace EU-001       15.13       LB/HR       good combustion practices and proper design, shall combust natural gas and/or off gas streams         MIDWEST FERTILIZER COMPANY LLC       IN-0324       5/6/202       NOx       Reformer Furnace EU-001       15.13       LB/HR       selective calalytic reduction at all times the reformer is in operation, except during stratup and shutdown when the catalyst is below its normal operating temperature.         Topchem Po	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	VOC	Reformer Furnace EU-001	0.0014	POUND PER MMBTU	off gas streams.
MIDWEST FERTILIZER COMPANY LLCN-03245/6/202COReformer Furnace EU-0010.004L/MMBTUgood combustion practices and proper design, shall combust natural gas and/or off gas streamsMIDWEST FERTILIZER COMPANY LLCN-03245/6/202COReformer Furnace EU-00115.13L/MRgood combustion practices and proper design, shall combust natural gas and/or off gas streamsMIDWEST FERTILIZER COMPANY LLCN-03245/6/202COReformer Furnace EU-00115.13L/MRstreamsMIDWEST FERTILIZER COMPANY LLCN-03245/6/202No.Reformer Furnace EU-00115.13L/MRstreamsMIDWEST FERTILIZER COMPANY LLCL-03061/20/2016, updated 8/8/17COPrimary Reformer Furnace EU-00136327ppStreamsStreamsTopchem Pollock, LLCL-03061/20/2016, updated 8/8/17COPrimary Reformer Stack R5-161 (EQT029)363287ppStore Combustion Practices (Note: 0028 HJ/MMBTU of CO2, 00.01 kg/MM BTU of natural gas)Topchem Pollock, LLCL-03061/20/2016, updated 8/8/17COPrimary Reformer Stack R5-161 (EQT029)33.24lpmGood Combustion Practices (Note: 0028 HJ/MMBTU of natural gas)Topchem Pollock, LLCL-03061/20/2016, updated 8/8/17COPrimary Reformer Stack R5-161 (EQT029)31.14lpmGood Combustion Practices (Note: 0028 HJ/MMBTU of natural gas)Topchem Pollock, LLCL-03061/20/2016, updated 8/8/17PM2.5Primary Reformer Stack R5-161 (EQT029)30.14lpmGood Combustion Practices (Note: 000745 Ib/MMBTU of natural gas)<	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	VOC	Reformer Furnace EU-001	1.09	B/HR	good combustion practices and proper design, shall combust natural gas and/or process off gas streams.
MIDWEST FERTILIZER COMPANY LLCIN-03245/6/202COReformer Furnace EU-00115.1LB/HRgood combustion practices and proper design, shall combust natural gas and/or off gas streamsMIDWEST FERTILIZER COMPANY LLCIN-03245/6/202NOxReformer Furnace EU-001PMVD THIRTY-DAY ROLLING AVERAGEselective catalytic reduction at all lines the reformer is in operation, except during startup and shutdown when the catalyst is below its normal operatingMIDWEST FERTILIZER COMPANY LLCIN-03245/6/202NOxReformer Furnace EU-001PMVD THIRTY-DAY ROLLING AVERAGEselective catalytic reduction at all lines the reformer is in operation, except during startup and shutdown when the catalyst is below its normal operatingTopchem Pollock, LLCLA-03061/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)363287tpyCH4, and 0.0001 kg/MR BTU of N20, 0.001 kg/MM BTU of N20,	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	со	Reformer Furnace EU-001	0.0194	LB/MMBTU	good combustion practices and proper design, shall combust natural gas and/or off gas streams
MDWEST FERTILIZER COMPANY LLCIN-0324Sold	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	СО	Reformer Furnace EU-001	15.13	B LB/HR	good combustion practices and proper design, shall combust natural gas and/or off gas streams
Part of the second se	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	NOx	Reformer Furnace EU-001	9	PPMVD THIRTY-DAY ROLLING AVERAGE	selective catalytic reduction at all times the reformer is in operation, except during startup and shutdown when the catalyst is below its normal operating temperature.
Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17CO2ePrimary Reformer Stack RS-16-1 (EQT029)363287tpyCH4, and 0.0001 kg/MM BTU of N2O)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)33.26lb/hrGood Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)121.41tpyGood Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.9tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.9tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Agrium US, IncTX-08141/5/2017(draft)CO2eReformer Furnace 101-B564019tpyGood engineering practices (1100 MMBtu/hr)								Energy Efficiency Measure (note: 111.72 kg/MM BTU of CO2, 0.001 kg/MM BTU of
Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)33.26Ib/hrGood Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)121.41tpyGood Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.99tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.99tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Agrium US, IncTX-08141/5/2017(draft)CO2eReformer Furnace 101-B564019tpyGood engineering practices (1100 MMBtu/hr)	Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	CO2e	Primary Reformer Stack RS-16-1 (EOT029)	363287	7 tpv	CH4, and 0.0001 kg/MM BTU of N2O)
Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17COPrimary Reformer Stack RS-16-1 (EQT029)121.41tpyGood Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.99tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Agrium US, IncTX-08141/5/2017(draft)CO2eReformer Furnace 101-B564019tpyGood engineering practices (1100 MMBtu/hr)	Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	со	Primary Reformer Stack RS-16-1 (EOT029)	33.26	lb/hr	Good Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)
Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)3.01lb/hrGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.99tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Agrium US, IncTX-08141/5/2017(draft)CO2eReformer Furnace 101-B564019tpyGood engineering practices (1100 MMBtu/hr)	Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	СО	Primary Reformer Stack RS-16-1 (EOT029)	121.41	ltpy	Good Combustion Practices (Note: 0.0824 lb/MMBtu of natural gas)
Topchem Pollock, LLCLA-030612/20/2016, updated 8/8/17PM2.5Primary Reformer Stack RS-16-1 (EQT029)10.99 tpyGood Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)Agrium US, IncTX-08141/5/2017(draft)CO2eReformer Furnace 101-B564019 tpyGood engineering practices (1100 MMBtu/hr)	Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	PM2.5	Primary Reformer Stack RS-16-1 (EOT029)	3.01	lb/hr	Good Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)
Agrium US, Inc     TX-0814     1/5/2017(draft)     CO2e     Reformer Furnace 101-B     564019 tpy	Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17	PM2.5	Primary Reformer Stack RS-16-1 (EOT029)	10.99	tpy	Good Combustion Practices (Note: 0.00745 lb/MMBtu of natural gas)
	Agrium US, Inc	TX-0814	1/5/2017(draft)	CO2e	Reformer Furnace 101-B	564019	ltpy	Good engineering practices (1100 MMBtu/hr)

CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CH4	Primary Reformer	0.0023 lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 CH4	Primary Reformer	0.0023 lb/MMBtu average of 3 stack tests	Good Combustion Practices
CF Industries Inc. Donaldsonville Nitrogen Co	LA-0236	3/3/2009 CO	NO. 1,2,3,&4 Ammonia Plant Reformers	301.29 tons/year	Optimum combustion control and the use of natural gas as fuel
CF Industries Inc. Donaldsonville Nitrogen Co	LA-0236	3/3/2009 CO	NO. 1,2,3,&4 Ammonia Plant Reformers	303.47 lb/hr	Optimum combustion control and the use of natural gas as fuel
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO	Primary Reformer	0.0194 lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO	Primary Reformer	90.3 tpy Rolling 12 month total	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 CO	Primary Reformer	0.0194 lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012 CO	Primary Reformer	96.3 tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Primary Reformer	43.45 lb/MMcf 3 hour average	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO2	Primary Reformer	117 lb/MMBtu 30 day rolling average	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 CO2	Primary Reformer	117 lb/MMBtu 30 day rolling average	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO2	Primary Reformer	59.61 tons/MMcf 3 hour average	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO2	Primary Reformer	515246 tons per 12 consecutive month period	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO2e	Primary Reformer	545674 tpy Rolling 12 month total	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 CO2e	Primary Reformer	596905 tpy Rolling 12 month total	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 N2O	Primary Reformer	0.0006 lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 N2O	Primary Reformer	0.0006 lb/MMBtu average of 3 stack tests	Good Combustion Practices
Altoona GTL LLC/Gilberton	PA-0285	1/16/2013 NH3	Convection Reformers	5 PPMVD @ 15%O2, 3 hr average, rolling by 1 hr	SCR
Air Products and Chemicals, Inc.	LA-0264	9/4/2012 NOx	Reformers	48.74 lb/hr hourly maximum	ULNB and SCR
Air Products and Chemicals, Inc.	LA-0264	9/4/2012 NOx	Reformers	0.015 lb/MMBtu annual average	ULNB and SCR
Iowa Fertilizer Company	IA-0105	10/26/2012 NOx	Primary Reformer	9 ppmv 30 day rolling average	SCR
Iowa Fertilizer Company	IA-0105	10/26/2012 NOx	Primary Reformer	56 tons/year rolling 12 month total	SCR
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Primary Reformer	9 ppmvd 30 day rolling average	SCR
Air Products and Chemicals, Inc.	LA-0264	9/4/2012 PM	Reformers	11.24 lb/hr hourly average	Proper equipment designs, good combustion practices, and gaseous fuel
Air Products and Chemicals, Inc.	LA-0264	9/4/2012 PM	Reformers	0.0075 lb/MMBtu	Proper equipment designs, good combustion practices, and gaseous fuel

KNO Restart **RBLC Search Summary** Search: "Reformer" - Fertilizer Plants only Unit 12 - Primary Reformer

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
Altoona GTL LLC/Gilberton	PA-0285	1/16/2013	PM	Convection Reformers	0.2	Grains/DSCF	Unknown
Altoona GTL LLC/Gilberton	PA-0285	1/16/2013	PM	Reformers	0.2	Grains/DSCF	Unknown
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Primary Reformer	0.0024	lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Primary Reformer	11.2	tpy Rolling 12 month total	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Primary Reformer	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Primary Reformer	11.9	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM	Primary Reformer	1.9	lb/MMcf 3 hour average	Good Combustion Practices
Air Products and Chemicals, Inc.	LA-0264	9/4/2012	PM10	Reformers	11.24	lb/hr hourly average	Proper equipment designs, good combustion practices, and gaseous fuel
Air Products and Chemicals, Inc.	LA-0264	9/4/2012	PM10	Reformers	0.0075	lb/MMBtu	Proper equipment designs, good combustion practices, and gaseous fuel
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Primary Reformer	0.0024	lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Primary Reformer	11.2	tpy Rolling 12 month total	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Primary Reformer	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Primary Reformer	11.9	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM10	Primary Reformer	7.6	lb/MMcf 3 hour average	Good Combustion Practices
Air Products and Chemicals, Inc.	LA-0264	9/4/2012	PM2.5	Reformers	11.24	lb/hr hourly average	Proper equipment designs, good combustion practices, and gaseous fuel
Air Products and Chemicals, Inc.	LA-0264	9/4/2012	PM2.5	Reformers	0.0075	lb/MMBtu	Proper equipment designs, good combustion practices, and gaseous fuel
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Primary Reformer	0.0024	lb/MMBtu average of 3 stack tests	Good operating practices & use of natural gas
Navajo Refining Company LLC Navajo Refini	NM-0050	12/14/2007	PM10	Steam Methane Reformer Heater	2.52	lbs/hr hourly	Gaseous Fuel Combustion Only
Navajo Refining Company LLC Navajo Refini	NM-0050	12/14/2007	SO2	Steam Methane Reformer Heater	2.16	tpy	Selective Catalytic Reduction
Navajo Refining Company LLC Navajo Refini	NM-0050	12/14/2007	SO2	Steam Methane Reformer Heater	0.494	lbs/hr	Selective Catalytic Reduction
Navajo Refining Company LLC Navajo Refini	NM-0050	12/14/2007	VOC	Steam Methane Reformer Heater	0.005	lb/MMBtu hourly	Gaseous Fuel Combustion Only
Navajo Refining Company LLC Navajo Refini	NM-0050	12/14/2007	VOC	Steam Methane Reformer Heater	1.69	lbs/hr hourly	Gaseous Fuel Combustion Only
Altoona GTL LLC/Gilberton	PA-0285	1/16/2013	SOx	Reformers	500	PPMVD expressed as SO2	Unknown
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emissions	Primary Reformer	0	%	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emissions	Primary Reformer	0	%	Good Operation Practices
	OK-0134						
Pryor Plant Chemical Company	OK-0135	2/23/2009	PM	Primary Reformer	1.68	lbs/hr	Unknown
	OK-0134						
Pryor Plant Chemical Company	OK-0135	2/23/2009	PM10	Primary Reformer	1.26	lbs/hr 24-hr	Unknown
	OK-0134						
Pryor Plant Chemical Company	OK-0135	2/23/2009	SO2	Primary Reformer	1.35	lb/hr	Natural Gas
	OK-0134						
Pryor Plant Chemical Company	OK-0135	2/23/2009	SO2	Primary Reformer	0.2	lb/MMBtu	Natural Gas
	OK-0134						
Pryor Plant Chemical Company	OK-0135	2/23/2009	VOC	Primary Reformer	1.21	lbs/hr	Unknown

Notes:

Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they do not flare common process gas. Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they are not natural gas fired.

## KNO Restart RBLC Search Summary Search: "CO2 Vent", "CO2 Stripper" - All Results Included Unit 14 - CO<sub>2</sub> Vent

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
				SN-51 Ammonia Plant CO2			
EL DORADO CHEMICAL COMPANY	AR-0170	12/2/2020	) Methane	Regenerator	0.106	LB/TON NH3, 3-HR	Proper Catalyst Selection, Good Operating Practices
				SN-51 Ammonia Plant CO2			
EL DORADO CHEMICAL COMPANY	AR-0170	12/2/2020	0 Methane	Regenerator	6.9	LB/HR, 3-HR	Proper Catalyst Selection, Good Operating Practices
				SN-51 Ammonia Plant CO2			
EL DORADO CHEMICAL COMPANY	AR-0170	12/2/2020	O CO2e	Regenerator	711000	TON PER YEAR	Proper Catalyst Selection, Good Operating Practices
				CO2 purification process EU		TON/AMMONIA PRODUCED,	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	2 CO2e	003	1.275	BASED ON 100% CO2 VENTING.	good operational procedures including the selection of an optimal process catalyst
				CO2 purification process EU		TON/YR, TWELVE CONSECUTIVE	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	<sup>2</sup> CO2e	003	831040	MONTH PERIOD	good operational procedures including the selection of an optimal process catalyst
				CO2 purification process EU		LB/TON AMMONIA PRODUCED,	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	2 VOC	003	0.106	BASED ON 100% CO2 VENTING.	shall be controlled by the use of good operational procedures including the selection of an optimal process catalyst
				CO2 purification process EU		LB/TON AMMONIA PRODUCED,	good operational procedures including the selection of an optimal process catalyst including the selection of an optimal
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	2 CO	003	0.02	BASED ON 100% CO2 VENTING.	process catalyst
	TT ( 000 0						
Praxair Inc - Praxair Clear Lake Plant	TX-0830	10/19/2012	7 CO2e	HyCO CO2 Stripper MSS	C		No controls feasible.
Praxair Inc - Praxair Clear Lake Plant	TX-0830	10/19/2012	7 CO	HyCO CO2 Stripper MSS	3.3	tpy	No controls feasible.
Praxair Inc - Praxair Clear Lake Plant	TX-0827	10/19/2012	CO2e	HyCO CO2 Stripper MSS	C		No controls feasible. Emissions included in sitewide grouped limit
Praxair Inc - Praxair Clear Lake Plant	TX-0827	10/19/2012	/ CO	HyCO CO2 Stripper MSS	3.3	tpy	No controls feasible.
							Good engineering practices to minimize CO2e emissions, with emissions limited to releasing to the atmoshpere the CO2
							with cannot be sold. (730,000 TPY Urea and 702,625 TPY Ammonia Greenhouse gas (GHG) will be controlled by using
	<b>T</b> V 001 (						Carbon dioxide (CO2) as a raw material to produce urea. If the Urea Plant is not operating, the CO2 generated in the
Agrium US, Inc	1X-0814	1/5/2017(draft)	CO2e	CO2 Stripper Vent	843150	tpy	ammonia process will be vented to the atmosphere)
	1 4 0205			Acid Gas Removal Unit/CO2			
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	CO	Vent	No Numeric Limit	No Numeric Limit	Thermal Oxidizers
	1 4 0005		600	Acid Gas Removal Unit/CO2			
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	CO2e	Vent	No Numeric Limit	No Numeric Limit	Thermal Oxidizers
	I A 0206	12/20/2016 (draft),	600	CO2 Stripper Column CO2SC-	1 ( ) = 1 1		Use of ningling quality natural ass and good combustion practices 0.20 Ten CO20/Matrie Ten of NIU2 preduced
Topchem Pollock, LLC	LA-0306	08/08/2017 update	CO2e	10-1 (EQ1031)	162511	tpy	Use of pipeline quality natural gas and good combustion practices. 0.29 Ton CO2e/Metric Ton of NH3 produced.

CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Acetaldehyde <sup>(1)</sup>	Carbon Dioxide Regenerator	1,226,814	tpy rolling 12 month total	Good operational practices
CF Industries Inc. Donaldsonville Nitrogen Complex - Ammonia Plant	LA-0236	3/3/2009	со	CO2 Vents	5.59	lbs/hr	Optimum Catalytic Conversion of CO to CO2 in the high and low shift converters, and continued use of an optimum liquid alkanol amine solution, or other solution to maximize the absorbing of CO2
CF Industries Inc. Donaldsonville Nitrogen Complex - Ammonia Plant	LA-0236	3/3/2009	со	CO2 Vents	6.55	tons/year	Optimum Catalytic Conversion of CO to CO2 in the high and low shift converters, and continued use of an optimum liquid alkanol amine solution, or other solution to maximize the absorbing of CO2
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO	Carbon Dioxide Regenerator	0.02	lb/ton of NH3 average of 3 stack tests	Good operational practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO	Carbon Dioxide Regenerator	9.74	tpy rolling 12 month total	Good operational practices
Iowa Fertilizer company	IA-0105	10/26/2012	CO	CO2 Regenerator	0.02	lb/ton of NH3 average of 3 stack tests	Good operational practices
Iowa Fertilizer company	IA-0105	10/26/2012	CO	CO2 Regenerator	9.65	tpy rolling 12 month total	Good operational practices
Ohio Valley Resources, LLC	TBD	9/25/2013	CO	CO2 purification process	0.0117	lb/ton of NH3 3 hour average	good operational practices and the use of a process catalyst
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	CO	Selexol AGR CO2 Vent	8.7	lbs/hr	Thermal Oxidizer (Cat-Ox)
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO2	Carbon Dioxide Regenerator	1.26	lb/ton of NH3 30 day rollin g average <sup>(2</sup>	) Good operational practices
Iowa Fertilizer company	IA-0105	10/26/2012	CO2	CO2 Regenerator	1.26	Tons/ton of NH3 rolling 30 day averag	Good operational practices
Ohio Valley Resources, LLC	TBD	9/25/2013	CO2	CO2 purification process	1.275	ton/ton of NH3 3 hour average	Good Operational Practices
Pryor Plant Chemical Company	OK-0135	2/23/2009	CO2	Carbon dioxide vent	3.65	lbs/hr 1 hour/8 hour	good operation practices
Iowa Fertilizer company	IA-0105	10/26/2012	CO2e	CO2 Regenerator	1,211,847	tpy rolling 12 month total	Good operational practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	NOx	Selexol AGR CO2 Vent	0.9	lbs/hr	Thermal Oxidizer (Cat-Ox)
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Carbon Dioxide Regenerator	0.106	lb/ton of NH3 average of 3 stack tests	Good operational practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Carbon Dioxide Regenerator	51.60	tpy rolling 12 month total	Good operational practices
Iowa Fertilizer company	IA-0105	10/26/2012	VOC	CO2 Regenerator	0.106	lb/ton of NH3 average of 3 stack tests	Good operational practices
Iowa Fertilizer company	IA-0105	10/26/2012	VOC	CO2 Regenerator	51.2	tpy rolling 12 month total	Good operational practices
Ohio Valley Resources, LLC	TBD	9/25/2013	VOC	CO2 purification process	0.0558	lb/ton of NH3 3 hour average	low VOC catalyst

<sup>(1)</sup> This is not correct according to Chris Roling for the Iowa DNR, most likely CO2e <sup>(2)</sup> The units may be incorrect. It might be tons/ton of NH3

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

KNO Restart RBLC Search Summary Search: "Flare" - Fertilizer Plants only Unit 22 - Plants 4 and 5 Small Flare Unit 23 - Plants 4 and 5 Emergency Flare

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	ammonia storage flare EU-016	0.0075 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	ammonia storage flare EU-016	168 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	ammonia storage flare EU-016	168 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	ammonia storage flare EU-016	0.0075 LB/ MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INI-0324	5/6/2022 NOx	ammonia storage flare FLL016	0.068 LB/MMBTU DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	ammonia storage flare EU-016	168 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	ammonia storage flare EU-016	0.37 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	ammonia storage flare EU-016	168 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	ammonia storage flare EU-016	0.0054 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	ammonia storage flare EU-016	563 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	ammonia storage flare EU-016	168 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST EEDTH IZED COMDANN LLC	*INI 0224	5 /6 /2022 DM10	Front End Flore EU 017		The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible en exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flare to assure the presence of a milet flame with a thermoscume infrared menitor, or other approved device.
MIDWEST FERTILIZER COMPANY LLC	111-0324	5/ 6/ 2022 PM10	Front End Flare EU 017		The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible en
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Front End Flare EU 017	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	<ul> <li>to assure the presence of a pilot flame with a thermocouple, infrared monitor, or other approved device</li> <li>The pilot and purge gas fuels used shall be natural gas. Flares shall be designed for and operated with no visible en</li> </ul>
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 PM2 5	Front End Flare EU 017	0.0075 I.B/MMBTU	exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flare to assure the presence of a pilot flame with a thermocouple infrared monitor, or other approved device
	111-0024				The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible en exceed 5 minutes during any two consecutive hours. Flares shall be operated with a flame present at all times. Flare
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Front End Flare EU 017	336 HR/YR. TWELVE CONSECUTIVE MONTH PERIOI	to assure the presence of a pilot flame with a thermocouple, infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Front End Flare EU 017	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Front End Flare EU 017	0.068 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Front End Flare EU 017	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Front End Flare EU 017	0.37 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Front End Flare EU 017	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Front End Flare EU 017	0.0054 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Front End Flare EU 017	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOL	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	^IIN-0324	5/6/2022 CO2e	Front End Flare EU 017	116.89 LB/ MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 PM10	Back End Flare EU-016	0 0075 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL-0324	5/6/2022 PM2 5	Back End Flare EU-010	336 HR /VR TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Back End Flare EU-018	0.0075 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Back End Flare EU-018	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Back End Flare EU-018	0.068 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Back End Flare EU-018	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Back End Flare EU-018	0.37 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Back End Flare EU-018	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Back End Flare EU-018	0.0054 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Back End Flare EU-018	336 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Back End Flare EU-018	116.89 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Discontinuous Urea Flare EU-DUF	240 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Discontinuous Urea Flare EU-DUF	0.0075 LB/ MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Discontinuous Urea Flare EU-DUF	240 HK/YK, IWELVE CONSECUTIVE MONTH PERIOL	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 FM2.5	Discontinuous Urea Flare EU DUE	240 HD /VD TWELVE CONSECUTIVE MONTH DEDIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL-0324	5/6/2022 NOx	Discontinuous Urea Flare EU-DUF	0.068 LB/MMBTU DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Discontinuous Urea Flare EU-DUF	240 HR/YR. TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Discontinuous Urea Flare EU-DUF	0.37 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Discontinuous Urea Flare EU-DUF	240 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Discontinuous Urea Flare EU-DUF	0.0054 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Discontinuous Urea Flare EU-DUF	240 HR/YR, TWELVE CONSECUTIVE MONTH PERIOI	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Discontinuous Urea Flare EU-DUF	116.89 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Emergency Urea Flare EU-EUF	0.0075 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Emergency Urea Flare EU-EUF	0.0075 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Emergency Urea Flare EU-EUF	0.068 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Emergency Urea Flare EU-EUF	0.37 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC MIDWEST FERTILIZER COMPANY LLC	*IN-0324 *IN-0324	5/6/2022 VOC 5/6/2022 CO2e	Emergency Urea Flare EU-EUF Emergency Urea Flare EU-EUF	116.89 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas The pilot and purge gas fuels shall be natural gas
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 PM2.5	Process Flare FL-16-1 (EQT034)	0.01 lb/hr hourly maximum	Correct flare design and good combustion practices; Compliance with the Louisiana Non-NSPS Flare Requirements operate more than 4 hours above normal firing rate in any 24 consecutive hours and 148 hours per year)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 PM2.5	Process Flare FL-16-1 (EQT034)	0.02 tpy annual maximum	Correct flare design and good combustion practices; Compliance with the Louisiana Non-NSPS Flare Requirements operate more than 4 hours above normal firing rate in any 24 consecutive hours and 148 hours per year)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO	Process Flare FL-16-1 (EQT034)	0.87 lb/hr hourly maximum	Correct flare design and good combustion practices; Compliance with the Louisiana Non-NSPS Flare Requirements operate more than 4 hours above normal firing rate in any 24 consecutive hours and 148 hours per year)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO	Process Flare FL-16-1 (EQT034)	3.76 tpy annual maximum	Correct flare design and good combustion practices; Compliance with the Louisiana Non-NSPS Flare Requirements operate more than 4 hours above normal firing rate in any 24 consecutive hours and 148 hours per year)
Topchem Pollock, LLC	LA-0306	12/20/2016, updated 8/8/17 CO2e	Process Flare FL-16-1 (EQT034)	370 tpy annual maximum	Correct flare design and good combustion practices; Compliance with the Louisiana Non-NSPS Flare Requirements operate more than 4 hours above normal firing rate in any 24 consecutive hours and 148 hours per year)
Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft), updated 7/10/17 TPM	Back End Flare (EU-018)	0.0019 lb/MMBtu 3 hour average	
Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft), updated 7/10/17 TPM	Back End Flare (EU-018)	336 hours/12 consec month	
Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft), updated 7/10/17 TPM	Back End Flare (EU-018)	No Numeric Limit No Numeric Limit	Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a monitored



#### KNO Restart RBLC Search Summary Search: "Flare" - Fertilizer Plants only Unit 22 - Plants 4 and 5 Small Flare Unit 23 - Plants 4 and 5 Emergency Flare

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM10	Back End Flare (EU-018)	0.0075	5 lb/MMBtu 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM10	Back End Flare (EU-018)	330	6 hours/12 consec month venting	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM10	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	monitored
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM2.5	Back End Flare (EU-018)	0.0075	5 lb/MMBtu 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM2.5	Back End Flare (EU-018)	330	6 hours/12 consec month venting	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 PM2.5	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	monitored
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 NOx	Back End Flare (EU-018)	0.068	8 lb/MMBtu during normal operations 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 NOx	Back End Flare (EU-018)	624.94	4 lb/hour venting operations 3 hour average	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 NOx	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	monitored
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 CO	Back End Flare (EU-018)	0.32	7 lb/MMBtu during normal operations 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 CO	Back End Flare (EU-018)	804.70	6 lb/hour venting operations 3 hour average	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 CO	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	monitored
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 VOC	Back End Flare (EU-018)	0.0054	4 lb/MMBtu during normal operations 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 VOC	Back End Flare (EU-018)	11.73	3 lb/hour venting operations 3 hour average	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 VOC	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	monitored
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 CO2	Back End Flare (EU-018)	116.89	9 lb/ MMBtu during normal operations 3 hour average	
		3/23/17 (draft),				
Midwest Fertilizer Company LLC	IN-0263	updated 7/10/17 CO2	Back End Flare (EU-018)	573	3 tons/12 consecutive months	
		3/23/17 (draft),				Pilot and purge gas shall be natural gas; and process flaring minimization practices; operated with a flame present a
Midwest Fertilizer Company LLC	IIN-0263	updated // 10/ 17 CO2	Back End Flare (EU-018)	No Numeric Limit	No Numeric Limit	
Agrium US, Inc	1X-0814	1/5/201/(draft) CO2e	Ammonia Emergency Flare	15	/ tpy	Good Engineering Practices (0.31 MMBtu/hr and 2/15 MMBtu/year)
Agrium US, Inc	1X-0814 TX 0814	1/5/201/(draft) CO2e	Urea Emergency Flare	1418	8 tpy	Good Engineering Practices (2.76 MINBtu/ hr)
Agrium US, Inc	17-0014	1/5/2017(utait) CO2e	Urea Emergency Flare (maintenance)	5.9	чру	Good Engineering Practices (2000 kg/ event, 36 nrs/ event, 4 events/ yr)

CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CH4	Flares	No Numeric Limit No Numeric Limit	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 CH4	Ammonia Flare	No Numeric Limit No Numeric Limit	Work Practice/Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO	Flares	No Numeric Limit No Numeric Limit	Good operating practices & use of natural gas
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Front End Process Flare	0.37 lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Front End Process Flare	3240.16 lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Back end ammonia process vent flare	0.37 lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Back end ammonia process vent flare	804.76 lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 CO	Process Flare	No Numeric Limit No Numeric Limit	Good combustion practices. Meet 40 CFR 60.18
United Wisconsin Grain Producers UWGP - Fuel Grade Ethanol Plant	WI-0204	8/14/2003 CO	Bypass Flare, Biomethanator	2.4 lbs/hr	Operation Limit: No more than 5040 hr/yr
Iowa Fertilizer Company	IA-0105	10/26/2012 NOx	Ammonia Flare	No Numeric Limit No Numeric Limit	Work Practice/Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Front End Process Flare	0.068 lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Front End Process Flare	595.47 lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 Visible Emissions	Flares	No Numeric Limit No Numeric Limit	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 Visible Emissions	Ammonia Flare	No Numeric Limit No Numeric Limit	Work Practice/Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 VOC	Flares	No Numeric Limit No Numeric Limit	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 VOC	Ammonia Flare	No Numeric Limit No Numeric Limit	Work Practice/Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 VOC	Front End Process Flare	0.0054 lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 VOC	Front End Process Flare	47.26 lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 CO	Flare, Steam Assisted	12.8 lbs/hr	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 CO	Flare, Steam Assisted	56.07 tons/year 365-day sum of daily emissions	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 NOx	Flare, Steam Assisted	15.23 lbs/hr	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 NOx	Flare, Steam Assisted	66.71 tons/year 365-day sum of daily emissions	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 PM10	Flare, Steam Assisted	1.16 lbs/hr	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 PM10	Flare, Steam Assisted	5.08 tons/year 365-day sum of daily emissions	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 SOx	Flare, Steam Assisted	4.2 lbs/hr	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 SOx	Flare, Steam Assisted	18.4 tons/year 365-day sum of daily emissions	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 Visible Emissions	Flare, Steam Assisted	0 % opacity no NE except for 5 min during any 2 hrs	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 VOC	Flare, Steam Assisted	3.68 tons/year 365-day sum of daily emissions	Unknown
Sunoco, Inc. Sun Company, Inc., Toledo Refinery	OH-0308	2/23/2009 VOC	Flare, Steam Assisted	0.84 lbs/hr	Unknown
Ohio Valley Resources, LLC	TBD	9/25/2013 VOC	Back end ammonia process vent flare	0.0054 lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 VOC	Back end ammonia process vent flare	11.73 lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
United Wisconsin Grain Producers UWGP - Fuel Grade Ethanol Plant	WI-0204	8/14/2003 VOC	Bypass Flare, Biomethanator	0.3 lbs/hr	Operation Limit: No more than 5040 hr/yr
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 CO	Flares, 3500 SCFM LFG (3)	17.3 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 CO	Flares, 3500 SCFM LFG (3)	98% Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 CO	Flares, 2500 SCFM LFG (2)	12.3 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 CO	Flares, 2500 SCFM LFG (2)	98% Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring
	•	4	÷ \ /		

## Appendix B KNO Restart - RBLC Summary

t all times; continuously
t all times; continuously
it all times; continuously
t all times: continuously
an an anico, continuousiy
t all times; continuously
t all times; continuously
ng % methane in LFG ng % methane in LFG
ng % methane in LFG ng % methane in LFG ng % methane in LFG

Facility Name	RBLC ID	Permit Issue Date Pe	ollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 N	JOx	Flares, 2500 SCFM LFG (2)	3.	6 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 N	lOx	Flares, 3500 SCFM LFG (3)	5.	1 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 N	JOx	Flares, 3500 SCFM LFG (3)	989	<sup>%</sup> Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 N	JOx	Flares, 2500 SCFM LFG (2)	989	<sup>%</sup> Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 PI	M10	Flares, 2500 SCFM LFG (2)	1.	6 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 PI	'M10	Flares, 2500 SCFM LFG (2)	989	<sup>%</sup> Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 PI	'M10	Flares, 3500 SCFM LFG (3)	2.	2 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 PI	M10	Flares, 3500 SCFM LFG (3)	989	<sup>%</sup> Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 SC	O2	Flares, 2500 SCFM LFG (2)	1.	4 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 SC	O2	Flares, 3500 SCFM LFG (3)	1.	9 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 V	'OC	Flares, 2500 SCFM LFG (2)		1 lbs/hr nonmethane organic carbon	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 V	'OC	Flares, 2500 SCFM LFG (2)	989	<sup>%</sup> Reduction	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 V	'OC	Flares, 3500 SCFM LFG (3)	0.	6 lbs/hr	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG
WM Atlantic Waste Disposal Inc. Atlantic Waste Disposal Landfill	VA-0294	2/5/2003 V	'OC	Flares, 3500 SCFM LFG (3)	1.	4 lbs/hr nonmethane organic carbon	Proper maintenance of the flare, including monitoring for the presence of flame, LGF flow rate, 0% opacity, measuring % methane in LFG

Notes: Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times. Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they do not flare common process gas.

# Appendix B KNO Restart - RBLC Summary

#### KNO Restart RBLC Search Summary Search: "MDEA", "methyl", "42.009", "61.999" - All Results MDEA Storage Tank

#### No new entries

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	<b>BACT Determination</b>
No New Results							
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Methyl-diethanol Amine (MDEA) Storage Tank	0.1	l tons/year rolling 12 month total	Nitrogen Gas Blanket
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	MDEA Storage Tank	0.1	l tons/year rolling 12 month total	Nitrogen Gas Blanket

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu).

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
						HR/YR, TWELVE	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	7 PM10	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
	*INI 0224	1160	7 DM10		0.040		shall combust natural and shall be controlled by good combustion practices
MIDWEST FERTILIZER COMPANY LLC	"IIN-0524	4400/	F IVI I U	Startup heater EU-002	0.249		shall combust natural gas, shall be controlled by good combustion practices
						CONSECUTIVE MONTH	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44682	7 PM2.5	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
MIDWEET EEDTH IZED COMDANN I I C	*INL0324	4468'	7 PM2 5	Startup bostor EU 002	0.240	IB/HR	shall compute natural gas, shall be controlled by good compution practices
	11 0024	1100/	1 112.0	Startup heater EO-002	0.249	HR/VR TWELVE	siun compust natural gas, siun be controlled by good compustion practices
						CONSECUTIVE MONTH	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	<sup>7</sup> CO2e	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	7 CO2e	Startup heater EU-002	3898	LB/HR	shall combust natural gas, shall be controlled by good combustion practices
				1		HR/YR, TWELVE	
						CONSECUTIVE MONTH	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44685	VOC	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	4468	VOC	Startup beater FU-002	0.18	LB/HR	shall combust natural gas, shall be controlled by good combustion practices
					0.10	HR/YR. TWELVE	
						CONSECUTIVE MONTH	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	CO	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	<sup>7</sup> CO	Startup heater EU-002	1.217	LB/HR	shall combust natural gas, shall be controlled by good combustion practices
						HR/YR, TWELVE	
						CONSECUTIVE MONTH	
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	44687	' NOx	Startup heater EU-002	200	PERIOD	shall combust natural gas, shall be controlled by good combustion practices
MIDWEST FERTILIZER COMPANY LLC	*1N-0324	44682	NOx	Startup heater EU-002	6.007	LB/HK	shall combust natural gas, shall be controlled by good combustion practices

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
PORT ARTHUR REFINERY	TX-0873	43865	NOx	Heaters' SCR MSS and heate	1 0.1	LB/MMBTU, Hourly	
PORT ARTHUR REFINERY	TX-0873	43865	SO2	Heaters' SCR MSS and heate	1 162	PPMV H2S	
BIG RIVER STEEL LLC	AR-0173	44592	PM10	Vertical and Horizontal Lad	0.0075	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	PM2.5	Vertical and Horizontal Lad	0.0075	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	SOx	Vertical and Horizontal Lad	0.0006	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	CO2e	Vertical and Horizontal Lad	117	LB/MMBTU	Good operating practices
	A.D. 0170	11500	Visible Emissions		_		
BIG RIVER STEEL LLC	AR-0173	44592	(VE)	Vertical and Horizontal Lad	5		Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592		Vertical and Horizontal Lad	0.0054		Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44392	NOv	Vertical and Horizontal Lad	0.0824		Low NOv human Combustion of clean fuel Cood Combustion Practices
DIG RIVER STEEL LLC	AR-0173	44392	FPM	Vertical and Horizontal Lad	0.095	L B / MMBTU	Combustion of Natural gas and Good Combustion Practices
BIC RIVER STEEL LLC	AR-0173	44592	PM10	Tundish Prohostors / Dryout	0.0075	L B/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIC RIVER STEEL LLC	AR-0173	44592	PM2.5	Tundish Preheaters/Dryout	0.0075	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	CO2e	Tundish Preheaters/Dryout	• 0.0073 • 117	LB/MMBTU	Good operating practices
			Visible Emissions	Tullaish Treneuters/Diyout			
BIG RIVER STEEL LLC	AR-0173	44592	(VE)	Tundish Preheaters/Dryout	5 5	%	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	VOC	Tundish Preheaters/Dryout	9 0.0054	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	СО	Tundish Preheaters/Dryout	9 0.0824	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	NOx	Tundish Preheaters/Dryout	9 0.097	LB/MMBTU	Low NOx burners Combustion of clean fuel Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	FPM	Tundish Preheaters/Dryout	9 0.0075	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	44592	SO2	Tundish Preheaters/Dryout	9.0006	LB/MMBTU	Combustion of Natural gas and Good Combustion Practices
NUCOR STEEL KANKAKEE, INC.	*IL-0132	44221	PM10	Ladle Preheater	0.0076	LB/MMBTU	Good combustion practice
NUCOR STEEL KANKAKEE, INC.	*IL-0132	44221	VOC	Ladle Preheater	0.0055	LB/MMBTU	Good combustion practice
NUCOR STEEL KANKAKEE, INC.	*IL-0132	44221	СО	Ladle Preheater	0.084	LB/MMBTU	Good combustion practice
NUCOR STEEL KANKAKEE, INC.	*IL-0132	44221	NOx	Ladle Preheater	0.1	LB/MMBTU	Good combustion practice
NUCOR STEEL KANKAKEE, INC.	*IL-0132	44221	FPM	Ladle Preheater	0.0019	LB/MMBTU	Good combustion practice
NUCOR STEEL KANKAKEE, INC.	*1L-0132	44221	SO2	Ladle Preheater	0.0006	LB/MMBTU	Good combustion practice
NILICOP STEEL CALLATIN LLC	KY-0115	44305	ТРМ	Calvanizing Line #2 Probast	7.6	I B/MMSCF	(GCOP) Plan
NOCOR STEEL GALLATIN, ELC	KI UIIU		11 111	Galvallizing Line #2 Preneat	7.0	TON/YR 12-MONTH	The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	TPM	Galvanizing Line #2 Preheat	3.07	ROLLING	(GCOP) Plan
				0			The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM2.5	Galvanizing Line #2 Preheat	7.6	LB/MMSCF	(GCOP) Plan
	10/0115					TON/YR, 12-MONTH	The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM2.5	Galvanizing Line #2 Preheat	3.07	ROLLING	(GCOP) Plan
NUCOR STEFL GALLATIN LLC	KY-0115	44305	Ammonia (NH3)	Galvanizing Line #2 Preheat	10	MONITORED	
				Guivanizing Ente #211ereat	10		The permittee must develop a Good Combustion and Operating Practices
						TON/YR, 12-MONTH	(GCOP) Plan and implement various design and operational efficiency
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	CO2e	Galvanizing Line #2 Preheat	48725	ROLLING	requirements.
							The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	VOC	Galvanizing Line #2 Preheat	5.5	LB/MMSCF	(GCOP) Plan
NUCOR STEEL CALLATIN LLC	KY-0115	44305	VOC	Calvanizing Line #2 Probest	2.22	ROLLING	(GCOP) Plan
NOCON STEEL GALLATIN, ELC		1000		Garvanizing Line #211eneat	2.22		The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	СО	Galvanizing Line #2 Preheat	84	LB/MMSCF, 3-HR AVERAGE	(GCOP) Plan
						TON/YR, 12-MONTH	The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	СО	Galvanizing Line #2 Preheat	33.91	ROLLING	(GCOP) Plan
							The permittee must develop a Good Combustion and Operating Practices
							(GCOP) Plan. This unit is also equipped with a SCR/SNCR system to control
							approximately 30 minutes. During this time, only low-NOx hurners are
							controlling emissions of NOx. NSG estimates the unit may undergo 1 cold
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	NOx	Galvanizing Line #2 Preheat	7.5	LB/MMSCF, 3-HR AVERAGE	start every two (2) weeks.
							The permittee must develop a Good Combustion and Operating Practices
							(GCOP) Plan. This unit is also equipped with a SCR/SNCR system to control
							emissions. During a cold start, SCR does not reach operating temperature for
						TON/YR 12-MONTH	approximately 50 minutes. During this time, only low-NOx burners are controlling emissions of NOx. NSC estimates the unit may undergo 1 cold
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	NOx	Galvanizing Line #2 Preheat	3 03	ROLLING	start every two (2) weeks.
			Lead (Pb) / Lead	Ireneut	0.00		The permittee must develop a Good Combustion and Operating Practices
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	Compounds	Galvanizing Line #2 Preheat	0.0005	LB/MMSCF	(GCOP) Plan
			Lead (Pb) / Lead			TON/YR, 12-MONTH	
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	Compounds	Galvanizing Line #2 Preheat	0.0002	ROLLING	

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	FPM	Galvanizing Line #2 Preheat	1.9 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	FPM	Galvanizing Line #2 Preheat	TON/YR, 12-MONTH 0.77 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	SO2	Galvanizing Line #2 Preheat	0.6 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	SO2	Galvanizing Line #2 Preheat	TON/YR, 12-MONTH 0.24 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM10	Galvanizing Line #2 Zinc Pot	7.6 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM10	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.0019 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM2.5	Galvanizing Line #2 Zinc Pot	7.6 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	PM2.5	Galvanizing Line #2 Zinc Pot	0.0019 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	CO2e	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 30 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan and implement various design and operational efficiency requirements.
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	VOC	Galvanizing Line #2 Zinc Pot	5.5 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	VOC	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.0013 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	СО	Galvanizing Line #2 Zinc Pot	84 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	СО	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.021 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	NOx	Galvanizing Line #2 Zinc Pot	70 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan. This unit is equipped with a low-NOx burner.
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	NOx	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.017 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan. This unit is equipped with a low-NOx burner.
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	Lead (Pb) / Lead Compounds	Galvanizing Line #2 Zinc Pot	0.0005 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	FPM	Galvanizing Line #2 Zinc Pot	1.9 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	FPM	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.0005 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	SO2	Galvanizing Line #2 Zinc Pot	0.6 LB/MMSCF	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
NUCOR STEEL GALLATIN, LLC	KY-0115	44305	SO2	Galvanizing Line #2 Zinc Pot	TON/YR, 12-MONTH 0.0001 ROLLING	The permittee must develop a Good Combustion and Operating Practices (GCOP) Plan
PETMIN USA INCORPORATED	OH-0383	44029	CO	Ladle Preheaters (P002, P003	0.521 LB/H	Good combustion practices and the use of natural gas
PETMIN USA INCORPORATED	OH-0383	44029	CO	Ladle Preheaters (P002, P003	T/YR, PER ROLLING 12 2.26 MONTH PERIOD	Good combustion practices and the use of natural gas
PETMIN USA INCORPORATED	OH-0383	44029	СО	Ladle Preheaters (P002, P003	0.0344 LB/MMBTU	Good combustion practices and the use of natural gas
STEEL MANUFACTURING FACILITY	TX-0867	43832	VOC	MELT SHOP LADLE PREHE	0	GOOD COMBUSTION PRACTICES
STEEL MANUFACTURING FACILITY	TX-0867	43832	CO	MELT SHOP LADLE PREHE	0	GOOD COMBUSTION PRACTICES
STEEL MANUFACTURING FACILITY	TX-0867	43832	NOx	MELT SHOP LADLE PREHE	0	GOOD COMBUSTION PRACTICES
STEEL MANUFACTURING FACILITY	TX-0867	43832	SO2	MELT SHOP LADLE PREHE		CLEAN FUEL AND SCRAP
SDSW STEEL MILL	1X-0882	43847	TPM DM40	LADLE DRYERS AND PREF		GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	1 X-0882	4384/	PMI0	LADLE DRYERS AND PREF		GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	1λ-0882 TX 0882	43847	PMI2.5	LADLE DRYERS AND PREF		GOOD COMPLICTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	TX 0882	43047	VOC	LADLE DRYERS AND PREF		COOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	TX-0882	43047		LADLE DRYERS AND PREF		COOD COMBUSTION PRACTICES, CLEAN FUEL
SDOW STEEL MILL	Τχ_0882	4304/	NOx		0.002 LD MINDIO	GOOD COMBUSTION PRACTICES, CLEAN FUEL
COSW STEEL MILL	TX-0882	4304/	502			GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDOW STEEL MILL	Τχ_0882	4304/	TPM	Tundich Driver and Tundich	0.0000 LD/ WIND C	GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	TX-0882	4304/	PM10	Tundish Dryer and Tundish	0.0075 I.B/MMRTH	GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDOW STEEL MILL	Τχ_0882	4304/	PM2 5	Tundich Dryer and Tundich	0.0075 I R/MMRTU	GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDOW STEEL MILL	Τχ_0882	12047	CO2e	Tundich Dryer and Tundich	117 1 I R/MMRTU	GOOD COMBUSTION PRACTICES OF FAN FUEL
SDSW STEEL MILL	TX-0882	428/7	VOC	Tundish Dryer and Tundish	0.0054 LB/MMRTU	GOOD COMBUSTION PRACTICES CLEAN FUEL
SDSW STEEL MILL	TX-0882		CO	Tundich Dryer and Tundich	0.082 LB/MMRTU	GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	TX-0882	43847	NOx	Tundish Dryer and Tundish	0.1 LB/MMBTU	GOOD COMBUSTION PRACTICES, CLEAN FUEL
SDSW STEEL MILL	TX-0882	43847	SO2	Tundish Dryer and Tundish	0.0006 LB/MMBTU	GOOD COMBUSTION PRACTICES, CLEAN FUEL

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
CHAPARRAL STEEL MILL	TX-0932	44575	SO2	Melt Shop - Electric Arc Fur	r 0		Sweet NG, Scrap Best Mgmt Practices
				*			
Gerdau Macsteel Inc Gerdau Macsteel Monroe	MI-0438	10/29/2018. updated 2/19/2019	PM10	mmbtu/hr burner)	0.0076	lb/MMBtu Hourly	Use of NG fuel and good combustion practices
Corday Massteel Inc. Corday Massteel Monroe	MI_0438	10/29/2018 updated $2/19/2019$	PM2 5	mmbtu/hr burner)	0.0076	lb/MMBtu Hourly	Use of NC fuel and good combustion practices
Geruau Macsteer IIIC Geruau Macsteer Morrioe	1011 0450	10/20/2010, apaated 2/10/2010	1 1112.0		0.0070	io/ wivibla Hourry	
				$\mathbf{L} = \frac{1}{2} \mathbf{L} = \mathbf{D} + \frac{1}{2} \mathbf{L} = \frac{1}{$			LAER - Low NOx burners, use of NG fuel, and good combustion practices.
	MI 0429	10 (20 (2018	NO	Ladle Preheater (30	0.00	II. (NO (D) II	NOx subject to LAER due to non-attainment for ozone, also subject to NOx
Gerdau Macsteel Inc Gerdau Macsteel Monroe	MI-0438	10/29/2018, updated 2/19/2019	NOX	mmbtu/ nr burner)	0.08	ID/ MMBtu Hourly	BACT in NOX attainment area.
Condey Maastaal Inc. Condey Maastaal Mannaa	NII 0429	10/20/2018 undeted $2/10/2010$	<u> </u>	Ladie Preneater (30	0.094	11 / MARty Hours	Use of NC fuel and good combustion any stices
Gerdau Macsteel IIIC Gerdau Macsteel Molifoe	WII-0436	10/ 29/ 2018, updated 2/ 19/ 2019	0	Le dle Drebester (20	0.064		Ose of NG fuel and good combustion practices
Condey Magatash Ing Condey Magatash Manna	MI 0428	10/20/2018 undered $2/10/2010$	$\sim$	Ladie Freneater (50	0.0006	1b/MABtu Hourly	Use of NC fuel and good combustion practices
Gerdau Macsteel IIIC Gerdau Macsteel Molifoe	WII-0430	10/29/2018, updated 2/19/2019	502	Ammonia Convertor Stort	0.0006		Ose of NG fuel and good combustion practices
				Ammonia Converter Start-			
Tonchom Pollock, LLC	I A 0306	12/20/2016 updated $8/8/17$	PM2 5	(FOT030)	0.18	lh/hr hourly maximum	Use of pipeline quality natural gas and good combustion practices
Topeneni Tonock, LLC	LA-0300	12/20/2010, updated 8/8/17	1 1012.5	(EQ1050)	0.10		Ose of pipeline quality natural gas and good combustion practices
				Annihonia Converter Start-			
Tonchom Pollock, LLC	I A 0306	12/20/2016 updated $8/8/17$	PM2 5	(FOT030)	0.01	tov appual maximum	Use of pipeline quality natural gas and good combustion practices
Topenent Follock, LLC	LA-0300	12/20/2010, updated 8/8/17	1 1012.5	(EQ1050)	0.01		Use of pipeline quality natural gas and good combustion practices
				up Heater Stack SUH-16-1			
Tonchom Pollock, LLC	I A 0306	12/20/2016 updated $8/8/17$	$\mathcal{C}\mathcal{O}$	(FOT030)	1.06	lb/br bourly maximum	Use of pipeline quality patural gas and good compustion practices
Topeneni i bilock, ELC	LA-0300	12/20/2010, updated 8/8/17	0	Ammonia Convertor Start	1.90		Use of pipeline quality natural gas and good combustion practices
				un Heater Stack SUIH 16 1			
Tonchem Pollock LLC	I A-0306	12/20/2016 updated $8/8/17$	$\mathcal{C}\mathcal{O}$	(FOT030)	0.12	tov appual maximum	Use of pipeline quality patural gas and good combustion practices
Topenent Fonock, ELC	LA-0500	12/20/2010, updated 0/0/1/	0	Ammonia Convertor Start	0.12		Use of pipeline quality natural gas and good combustion practices
				up Heater Stack SUH-16-1			
Topchem Pollock IIC	IN-0263 (draft)	12/20/2016 updated $8/8/17$	CO2e	(FOT030)	169	tov appual maximum	Use of pipeline quality natural gas and good combustion practices
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft) updated $7/10/17$	FPM	Startup Heater FU-002	0.13	lb/br 3 bour average	Cood Compustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	FPM	Startup Heater EU-002	200	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	PM10	Startup Heater EU-002	0.522	lb/hr 3 hour average	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft) updated $7/10/17$	PM10	Startup Heater FU-002	200	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft) updated $7/10/17$	PM2 5	Startup Heater FU-002	0.522	lb/br 3 hour average	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	PM2 5	Startup Heater EU-002	200	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	NOx	Startup Heater EU-002	12 611	lb/hr 3 hour average	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	NOx	Startup Heater EU-002	200	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	CO	Startup Heater EU-002	2556	lb/hr 3 hour average	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	0	Startup Heater EU-002	2.00	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	VOC	Startup Heater EU-002	0.378	lb/hr 3 hour average	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated $7/10/17$	VOC	Startup Heater EU-002	200	hours/year	Good Combustion Practices & use of natural gas (70 MMBtu/hr)
			100		200		Good Combustion Practices & use of inlet air control sensors that limit excess
Midwest Fertilizer Company LLC	IN-0263 (draft)	3/23/17 (draft), updated 7/10/17	$CO^{2}$	Startup Heater EU-002	8184	lb/hr 3 hour average	air(70 MMBtu/hr)
Midwest refunzer company life			002		0104	ie) ii o nour average	Good Combustion Practices & use of inlet air control sensors that limit excess
Midwest Fertilizer Company II C	IN-0263 (draft)	3/23/17 (draft) updated $7/10/17$	$CO^{2}$	Startup Heater FU-002	200	hours/vear	air(70 MMBtu/hr)
indwest retailzer company life		0/20/17 (druit), apaatea //10/17	002	Gasifier Start-up Preheat	200		Good engineering practices good combustion technology and use of clean
Lake Charles Methanol, LLC	LA-0305	6/30/16_4/26/17 update	PM10	Burners	No Numeric Limit	No Numeric Limit	fuels (23 MMBtu/hr each)
		0,00,10,1,20,1, upauce	1 1110	Gasifier Start-up Preheat			Good engineering practices good combustion technology and use of clean
Lake Charles Methanol, LLC	LA-0305	6/30/16.4/26/17 update	PM2 5	Burners	No Numeric Limit	No Numeric Limit	fuels (23 MMBtu/hr each)
		0,00,10,1,20,1, upauce	1 1112.0	Gasifier Start-up Preheat			Good engineering practices good combustion technology and use of clean
Lake Charles Methanol, LLC	LA-0305	6/30/16.4/26/17 update	502	Burners	No Numeric Limit	No Numeric Limit	fuels (23 MMBtu/hr each)
				Gasifier Start-up Preheat			Good engineering practices, good combustion technology, and use of clean
Lake Charles Methanol, LLC	LA-0305	6/30/16.4/26/17 update	NOx	Burners	No Numeric Limit	No Numeric Limit	fuels (23 MMBtu/hr each)
				Gasifier Start-up Preheat			Good engineering practices, good combustion technology, and use of clean
Lake Charles Methanol, LLC	LA-0305	6/30/16.4/26/17 update	0	Burners	No Numeric Limit	No Numeric Limit	fuels (23 MMBtu/hr each)
				Gasifier Start-up Preheat			
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	CO2e	Burners	No Numeric Limit	No Numeric Limit	Good equipment design and good combustion practices (23 MMBtu/hr each)
Lake Charles Methanol, LLC	LA-0305	6/30/16.4/26/17 update	PM10	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good engineering design and practices and use of clean fuels (no size listed)
		-,,, -, -, -, -, -, -, -, -, -,					
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	PM2.5	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good engineering design and practices and use of clean fuels(no size listed)
		-,,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-			I valierie Diritt		
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	SO2	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good engineering design and practices and use of clean fuels (no size listed)
		-,,-,-,-,-,					
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	NOx	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good engineering design and practices and use of clean fuels(no size listed)
		, , , , ,,					
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	со	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good engineering design and practices and use of clean fuels (no size listed)
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	CO2e	WSA Preheat Burners	No Numeric Limit	No Numeric Limit	Good equipment design and good combustion practices (no size listed)

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
				FGFUELHTR (Two fuel pre-		
				heaters identified as		
				EUFUELHTR1 &		
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	СО	EUFUELHTR2)	2.22 lb/hr hourly; each unit	SIP - Good combustion practices (27 MMBtu/hr each)
				FGFUELHTR (Two fuel pre-		
				heaters identified as		
				EUFUELHTR1 &		
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	NOx	EUFUELHIR2)	2.65 lb/ hr hourly; each unit	SIP - Good combustion practices (27 MMBtu/ hr each)
				FGFUELHIR (Iwo fuel pre-		
				ELIELIEI HTP1 &	1b/MMBty Test Protocol will	
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017.7/25/17 update	FPM	EUFUELHTR2)	0.002 Specify Avg Time	Good combustion practices (27 MMBtu/hr each)
	(arart)			EGELIEL HTR (Two fuel pre-	0.002 opecny 11/g 1mic	
				heaters identified as		
				EUFUELHTR1 &		
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	TPM10	EUFUELHTR2)	0.2 lb/hr hourly; each fuel heater	SIP - Good combustion practices (27 MMBtu/hr each)
				FGFUELHTR (Two fuel pre-		
				heaters identified as		
				EUFUELHTR1 &		
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	TPM2.5	EUFUELHTR2)	0.2 lb/hr hourly; each fuel heater	SIP - Good combustion practices (27 MMBtu/hr each)
				FGFUELHTR (Two fuel pre-		
				heaters identified as		
			NOC	EUFUELHTR1 &		
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	VOC	EUFUELHTR2)	0.15 lb/hr hourly; each fuel heater	Good combustion practices (27 MMBtu/hr each)
				FGFUELHTR (Two fuel pre-		SIP - Good combustion practices and the use of pipeline quality natural gas
				heaters identified as	$\sim 100$ for $c$ B and $1$ more respectively	(The limit is 2,000 grains of sulfur per MMscf. The natural gas material limit of
	MI 0422 (draft)	1/4/2017 $7/25/17$ up data	son	EUFUELHIKI &	gr/ Mixisci Based upon Fuel	2000 grains of sulfur per Minisci is what the emission factor is based upon.) (2/
Indeck Miles, LLC	MII-0425 (urait)	1/4/2017,7/23/17 update	502	ECFUELLITD (True (malana		MMDtu/III each)
				FGFUELHIK (Iwo fuel pre-		
				FUELEEL HTR1 &	try combined 12-month rolling	Energy efficiency measures and the use of a low carbon fuel (nipeline quality
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017.7/25/17 update	CO2e	EUFUELHTR2)	13848 time period	natural gas) (27 MMBtu/hr each)
	MI-0424 (draft)		0020			
	(undate of MI-			FUELEI HTR (Eucl pro-	1b/br Test Protocol will Specify	
Holland Board of Public Works - East 5th Street	(update of 111 ()412)	12/5/2016 7/31/17 update	CO	heater)	0.41 Avg Time	SIP - Good combustion practices (3.7 MMBtu/br each)
Tionand Doard of Fublic Works - East Stir Street	0112)	12/0/2010///01/1/ update		FUELEL HTR (Eucl pro-	lh/hr Tost Protocol will Specify	
Holland Board of Public Works - Fast 5th Street	MI-0424 (draft)	12/5/2016.7/31/17 update	NOx	heater)	0.55 Avg Time	SIP - Good combustion practices (3.7 MMBtu/hr each)
Tionana board of Fubic Works Last off Street	(arart)			EUFUELHTR (Fuel pre-	lb/MMBtu Test Protocol will	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/2016, 7/31/17 update	FPM	heater)	0.007 Specify Avg Time	Good combustion practices (3.7 MMBtu/hr each)
				EUFUELHTR (Fuel pre-	lb/MMBtu Test Protocol will	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/2016, 7/31/17 update	TPM10	heater)	0.0075 Specify Avg Time	SIP - Good combustion practices (3.7 MMBtu/hr each)
				EUFUELHTR (Fuel pre-	lb/MMBtu Test Protocol will	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/2016, 7/31/17 update	TPM2.5	heater)	0.0075 Specify Avg Time	SIP - Good combustion practices (3.7 MMBtu/hr each)
				EUFUELHTR (Fuel pre-	lb/hr Test Protocol will Specify	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	12/5/2016, 7/31/17 update	VOC	heater)	0.03 Avg Time	Good combustion practices (3.7 MMBtu/hr each)
						SIP - Good combustion practices and the use of pipeline quality natural gas
						(The limit is 2,000 grains of sulfur per MMscf. The natural gas material limit of
Halland Decade (D. 11), 147 1 D. (51) Co. (		10/5/0016 7/01/17 1-1-	son	EUFUELHIK (Fuel pre-	gr/MMsct Based upon Fuel	2000 grains of sultur per MMsct is what the emission factor is based upon.) $(2.7 \text{ MMPtr} (hr each))$
FIOHANG DOARD OF PUBLIC WORKS - East 5th Street	wii-0424 (araft)	12/3/2010, //31/1/ update	302	ELIEUEI LITD (Errol arro	2000 Receipt Records	
Holland Board of Public Works East 5th Street	MI_0424 (draft)	12/5/2016 $7/31/17$ update	$CO^{2}$	beater)	1934 time pariod	Good combustion practices (3.7 MMBtu/br each)
CPV Eairview LLC - CPV Eairview Energy Conte	PA-0310	9/2/16 7/31/17 update	NOx	Dew Point Heater 13.8	0.011 lb/MMBtu	NSPS (12.8 MMBtu/hr)
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	9/2/16,7/31/17 update	CO	Dew Point Heater 13.8	0.08 lb/MMBtu	NSPS (12.8 MMBtu/hr)
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	9/2/16,7/31/17 update	CO	Dew Point Heater 3.2	0.08  lb/MMBtu	NSPS (3.2 MMBtu/hr)
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	9/2/16, 7/31/17 update	NOx	Dew Point Heater 3.2	0.035 lb/MMBtu	NSPS (3.2 MMBtu/hr)
						(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
						only burn natural gas, for the purpose of heating the natural gas fuel prior to
Mid-Kansas Electric Company, LLC - Rubart Stati	KS-0030 (draft)	3/31/16, 7/19/17 update	NOx	Indirect Fuel-Gas Heater	0.2 lb/hr excludes SSM	combustion in the Caterpillar 4SLB RICE)
						(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
						only burn natural gas, for the purpose of heating the natural gas fuel prior to
Mid-Kansas Electric Company, LLC - Rubart Stati	KS-0030 (draft)	3/31/16, 7/19/17 update	СО	Indirect Fuel-Gas Heater	0.16 lb/hr excludes SSM	combustion in the Caterpillar 4SLB RICE)
						(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
						only burn natural gas, for the purpose of heating the natural gas fuel prior to
Mid-Kansas Electric Company, LLC - Rubart Stati	KS-0030 (draft)	3/31/16, 7/19/17 update	VOC	Indirect Fuel-Gas Heater	0.011 lb/hr excludes SSM	combustion in the Caterpillar 4SLB RICE)
						(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
	KC 0000 (1 - 6)					only burn natural gas, for the purpose of heating the natural gas fuel prior to
Mid-Kansas Electric Company, LLC - Rubart Stati	к5-0030 (draft)	3/31/16,7/19/17 update	1PM	Indirect Fuel-Gas Heater	0.015 lb/ hr excludes SSM	combustion in the Caterpillar 4SLB RICE)

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
							(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
							only burn natural gas, for the purpose of heating the natural gas fuel prior to
Mid-Kansas Electric Company, LLC - Rubart Stat	i KS-0030 (draft)	3/31/16, 7/19/17 update	TPM10	Indirect Fuel-Gas Heater	0.015	lb/hr excludes SSM	combustion in the Caterpillar 4SLB RICE)
							(One (1) indirect fuel-gas heater, rated at 2 mmBtu/hr heat input, which shall
Mid-Kansas Electric Company, LLC - Rubart Stat	KS-0030 (draft)	3/31/16, 7/19/17 update	TPM2.5	Indirect Fuel-Gas Heater	0.015	lb/hr excludes SSM	combustion in the Caterpillar 4SLB RICE)
1 5			l				
	TA 0107	E /12 /22/2				lb/MMBtu average of 3 stack	
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CH4	Startup Heater	0.0023	tests	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	CH4	Startup Heater	0.0023	tests	Good Combustion Practices
1 2						lb/MMBtu average of 3 stack	
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	СО	Startup Heater	0.0194	tests	good operating practices & use of natural gas
CE Industries Nitrogen II C	14 0106	7/12/2013	CO	Startup Hastor	0.057	tons (waar rolling 12 month total	good operating practices by use of natural good
Cr industries Mittogen, LLC	IA-0100	// 12/ 2013		Startup Heater	0.037	lb/MMBtu average of 3 stack	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	СО	Startup Heater	0.0194	tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	CO	Startup Heater	0.1	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	CO	Ammonia catalyst startup	37.23	lb/MMcf 3 hour average	good heater design and good combustion practices
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	CO	Heaters	0.01	lb/MMBtu	Unknown
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	СО	Heaters, Reboiler	0.01	lb/MMBtu	Unknown
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	СО	Heater, CCR Reactor	0.01	lb/MMBtu	Unknown
CE Industrias Nitrogen II C	14 0106	7/12/2013	CO2	Startup Heater	117	Ib/MMBtu average of 3 stack	and apprenting practices by use of paterral app
CF Industries Nitrogen, LLC	IA-0100	// 12/ 2013	CO2	Startup Heater	117	lb/MMBtu average of 3 stack	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	CO2	Startup Heater	117	tests	Good Combustion Practices
				Ammonia catalyst startup			
Ohio Valley Resources, LLC	TBD	9/25/2013	CO2	heater	59.61	ton/MMcf 3 hour average	good heater design and good combustion practices
CE Industries Nitrogen, LLC	IA-0106	7/12/2013	CO2e	Startun Heater	345	tons/year rolling 12 month total	good operating practices & use of patural gas
CI industries indugen, EEC	1110100	// 12/ 2010	0020		545	tons, year ronnig 12 month total	
Iowa Fertilizer Company	IA-0105	10/26/2012	CO2e	Startup Heater	638	tons/year rolling 12 month total	Good Combustion Practices
	LA 0100	7 (10 / 2012	NIO	Claulaur Haalau	0.0007	lb/MMBtu average of 3 stack	
CF Industries Nitrogen, LLC	IA-0106	//12/2013	N20	Startup neater	0.0006	lb/MMBtu average of 3 stack	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	N2O	Startup Heater	0.0006	tests	Good Combustion Practices
						lb/MMBtu average of 3 stack	
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Startup Heater	0.119	tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Startup Heater	0.63	tons/year rolling 12 month total	Good Combustion Practices
				Ammonia catalyst startup			
Ohio Valley Resources, LLC	TBD	9/25/2013	NOx	heater	183.7	lb/MMcf 3 hour average	good heater design and good combustion practices
CE Inductrice Nitrogen, LLC	14-0106	7/12/2013	PM	Startup Heater	0.0024	Ib/MMBtu average of 3 stack	good operating practices fours of natural goo
Cr industries Nitt ogen, LLC	1/1-0100	// 12/ 2013			0.0024		good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Startup Heater	0.007	tons/year rolling 12 month total	good operating practices & use of natural gas
						lb/MMBtu average of 3 stack	
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Startup Heater	0.0024	tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Startup Heater	0.01	tons/year rolling 12 month total	Good Combustion Practices
1 5				Ammonia catalyst startup			
Ohio Valley Resources, LLC	TBD	9/25/2013	PM	heater	1.9	lb/MMcf 3 hour average	good heater design and good combustion practices
CE Industries Nitrogen LLC	14-0106	7/12/2013	PM10	Startup Heater	0.0024	Ib/MMBtu average of 3 stack	good operating practices fours of natural goo
Cr muusules Muugen, LLC	11.0100	// 12/ 2013	1 14110		0.0024		Bood operating practices & use of flatural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Startup Heater	0.007	tons/year rolling 12 month total	good operating practices & use of natural gas
						lb/MMBtu average of 3 stack	
Iowa Fertilizer Company	1A-0105	10/26/2012	PM10	Startup Heater	0.0024	tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Startup Heater	0.01	tons/year rolling 12 month total	Good Combustion Practices
				Ammonia catalyst startup			
Ohio Valley Resources, LLC	TBD	9/25/2013	PM10	heater	7.6	lb/MMcf 3 hour average	good heater design and good combustion practices
CE Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2 5	Startup Heater	0.0024	tests	good operating practices & use of natural gas
CI mausules Mulgell, LLC		7/12/2013	1112.0	Startap Heater	0.0024		good operating practices & use of natural gas

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Startup Heater	0.007	tons/year rolling 12 month total	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Startup Heater	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Startup Heater	0.01	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM2.5	Ammonia catalyst startup heater	7.6	lb/MMcf 3 hour average	good heater design and good combustion practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emissions	Startup Heater	0	%	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emissions	Startup Heater	0	% Opacity	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Startup Heater	0.0014	lb/MMBtu average of 3 stack tests	good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Startup Heater	0.004	tons/year rolling 12 month total	good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Startup Heater	0.0014	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Startup Heater	0.01	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	VOC	Ammonia catalyst startup heater	5.5	lb/MMcf 3 hour average	good heater design and good combustion practices

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times. Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they are not used for startup.

#### KNO Restart RBLC Search Summary Search: "Urea" - All Results Included Unit 35 - Urea Granulators A/B Unit 36 - Urea Granulators C/D

Raiby NameKinkVertice NameNetworkRestanceRestan	No new entries						
Addword Induc Company LL         NEGA         U/X/7 [den)         PM         Unc Consultation Ling (LGAB)         Direct [L/LOB / LOB /	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
Balaces Instituce Company, LLCNADBSS/7/17 (Julii)PMCrea Genalation, bair (TU 05)SOBIO base /12 consecutive raneWe StrubberBalaces Instituce Company, LLCNADBSV7/17 (Julii)PM23Core Genalation, bair (U 03)SOBIO base /12 consecutive raneNet StrubberBalaces Instituce Company, LLCNADBSV7/17 (Julii)PM23Core Genalation, bair (U 03)No BalacesNet StrubberBalaces Instituce Company, LLCNADBSV7/17 (Julii)PM23Core Genalation, bair (U 03)No BalacesNet StrubberBalaces Institute Company, LLCNADBSV7/17 (Juliii)PM23Core Genalation, bair (U 03)No BalacesNet StrubberCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/MB18 sensing of 1 stack hats.peed combustice preticesCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/MB18 sensing of 1 stack hats.peed combustice preticesCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/MB18 sensing of 1 stack hats.peed combustice preticesCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/MB18 sensing of 1 stack hats.peed combustice preticesCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/MB18 sensing of 1 stack hats.peed combustice preticesCl Institution N Longen, LLCNADBS7/12 /2011 [Cl 4Ures Genalation0.007P/12 /2011 [Cl 4 <t< td=""><td>Midwest Fertilizer Company LLC</td><td>IN-0263</td><td>3/23/17 (draft)</td><td>PM</td><td>Urea Granulation Unit (EU-008)</td><td>0.163 lb/ton 3 hour average</td><td>Wet Scrubber</td></t<>	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM	Urea Granulation Unit (EU-008)	0.163 lb/ton 3 hour average	Wet Scrubber
Oldsource         Dista         Dista <thdista< th="">         Dista         Dista</thdista<>	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM	Urea Granulation Unit (EU-008)	368040 tons/12 consecutive mos	Wet Scrubber
Advess function Compary LLCN1263V23/17 (defmPMT0Unscalarly to (R1018)388040 [box/17 conscripter massWet charderMosels function Compary LLCN1268V23/17 (defmPM25Unsc Canadians Uni (R1018)533040 [ox/17 conscripter massWet scalardingMosels Function Compary LLCN41087712/318CH4Unsc Canadians Uni (R1018)503040503040 [ox/17 conscripter massWet scalardingG Industries Nitrogen, LLCAv1087712/318CH4Unsc Canadians Uni (R1018)0.0023[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCAv1087712/318CH4Unsc Canadians0.0023[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCAv1087712/318CO4Uns Canadians0.0023[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCIA 10167712/318CO3Uns Canadians0.0020[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCIA 10167712/318CO3Uns Canadians0.0000[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCIA 10167712/318CO3Uns Canadians0.0000[s/MMRs average of 3 stack lestpeed oministics practicesG Industries Nitrogen, LLCIA 10167712/318CO3Uns Canadians0.0000[s/MMRs average of 3 stack lestpeed oministice practicesG Industries Nitrogen, LLCIA 1016<	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM10	Urea Granulation Unit (EU-008)	0.163 lb/ton 3 hour average	Wet Scrubber
Makeet Fertilizer Company, LLC         [N+703]         V/17/2 (n17)         PA25         Uses Cranualizan (unit (U-080)         (0.138) [M/013 hour average         Wet Scadder           Gendenters Narogen, LLC         N=700         V/17/2 (n17)         V/15         V/17/2 (n17)         V/17         V/17         V/17/2 (n17)         V/17	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM10	Urea Granulation Unit (EU-008)	368040 tons/12 consecutive mos	Wet Scrubber
Stabuse         V/2/17 (straft)         PA2.         Less Granulation Unit (UL 08)         56000 [sm/12 consord/w mos         Wet strake           C         Industries Narogen, LLC         AM106         7/12/2015 (CL         Une Granulation         0.020 [br/MM16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         AM106         7/12/2015 (CL         Une Granulation         0.024 [br/MM16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         AM106         7/12/2015 (CL         Une Granulation         0.034 [br/MM16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         AM106         7/12/2015 (CL         Une Granulator         10.034 [br/MM16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         AM106         7/12/2015 (CL         Une Granulator         10.034 [br/M16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         IAM106         7/12/2015 (NL         Crea Granulator         10.034 [br/M16a areage of 3 stack hest         good combastion practices           C         Industries Narogen, LLC         IAM106         7/12/2015 [NL         Crea Granulator         10.030 [br/M16a trea granup         good combastion practi	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM2.5	Urea Granulation Unit (EU-008)	0.163 lb/ton 3 hour average	Wet Scrubber
Cli Folderici Nitrogen LLC         Additis         7/12/2019 (24)         Does Gamelater         0.0021 [b/MMB average of back back         out-omboting pactions           Cli Folderici Nitrogen LLC         Additis         7/12/2019 (20)         Una Gamelater         0.0021 [b/MMB average of back back         out-omboting pactors           Cli Folderici Nitrogen LLC         Additis         7/12/2019 (20)         Una Gamelater         10519 [b/MMB average of back back         out-omboting pactors           Cli Folderici Nitrogen LLC         Additis         7/12/2019 (20)         Una Gamelater         30449 [b/MMB average of back back         out-omboting pactors           Cli Folderici Nitrogen LLC         Additis         7/12/2019 (20)         Una Gamelater         30449 [b/MMB average of back back         out-omboting pactors           Agrium DLS         Additis         7/12/2019 (20)         Una Gamelater         30449 [b/MBB average of back back         out-omboting pactors           Agrium DLS         Additis         7/11/2019 [M         Gamela Una Annonium Nitrate Poduction         3046 [b/MBB average of back back         out-omboting pactors           Cli folderici Nitrogen LLC         Additis         7/11/2019 [M         Gamela Una Annonium Nitrate Poduction         0160 [b/MBB average of back back         out-omboting pactors           Agrium DLS         Additis         7/12/2019 [M         Gamela	Midwest Fertilizer Company LLC	IN-0263	3/23/17 (draft)	PM2.5	Urea Granulation Unit (EU-008)	368040 tons/12 consecutive mos	Wet Scrubber
CP Industive Ntrogen, LL21A-016717/2015 (?14Urea Granulator0.0023 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167112/2015 (°C)Creat Contaliator0.0018 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167112/2015 (°C)Creat Contaliator0.0018 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167112/2015 (°C)Urea Granulator0.0016 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167712/2015 (°C)Urea Granulator0.0006 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167712/2015 (°C)Creat Law Ramoroum Nitae Production0.0016 [k/M/lt0, warrage of 3 stack lessgood condision practicesCF Industive Ntrogen, LL21A-0167712/2018 [PACreat Law Ramoroum Nitae Production0.0016 [k/M/lt0, warrage of 3 stack lessgood condision practices along with a vet scrubberAgrium US, Incorporatel Kennewick Ierlitzer OperationsWA-03187712/2018 [PACreat Consultator0.018 [k/m/lt0 of urax acreage of 3 stack lessgood condision practices along with a vet scrubberC Industries Ntrogen, LL2IA-0161712/2018 [PACreat Consultator0.018 [k/m/lt0 of urax acreage of 3 stack lessgood condision practices along with a vet scrubberC Industries Ntrogen, LL2IA-0161712/2018 [PACreat Consultator0.018 [k/m/lt0 of urax acreage of 3 stack lessgood condision practices along				1			
CP Industries Nitrogen, LCIA-0106 $7/12/318$ (COUnce Granulator0.0194 (b)/AMB/da average of a tack testgood combustion practicesCF Industries Nitrogen, LCIA-0106 $7/12/218$ (COUnce Granulator111 (b) /MMB average of a tack testgood combustion practicesCF Industries Nitrogen, LCIA-0106 $7/12/218$ (COUnce Granulator111 (b) /MMB average of a tack testgood combustion practicesCF Industries Nitrogen, LCIA-0106 $7/12/218$ (COUnce Granulator130 (b) profiling 1 month tailgood combustion practicesAprium LS: Incorporated Kennewick Fertilizer OperationsWA-0108 $7/11/2008$ (PAGranulator Lea Annonium Nitate Profestion0.008 gr/dx12 lance averageWei Scrubber, Mitel Binanator, and Pododa HanderezAprium LS: Incorporated Kennewick Fertilizer OperationsWA-0108 $7/11/22008$ (PAGranulator0.011 (b) from durea average of a tack testgood combustion practices along with a vet scrubberCF Industries Nitrogen, LLCIA-0106 $7/12/2003$ (PAUrce Granulator0.011 (b) from durea average of a tack testgood combustion practices along with a vet scrubberGood aperating ParticeIA-0106 $7/12/2003$ (PAUrce Granulator0.012 (b) from durea average of a tack testgood combustion practices along with a vet scrubberGranulator ScrubbersIA-0106 $7/12/2003$ (PAUrce Granulator0.013 (b) fromWei ScrubberGranulator ScrubbersIA-0106 $7/12/2003$ (PAGranulator Scrubbers0.013 (b) fromWei ScrubberGranulator ScrubbersIA-0106 $7/12/2$	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CH4	Urea Granulator	0.0023 lb/MMBtu average of 3 stack tests	good combustion practices
CF Industries Nitrogen, LLCIA-006 $7/12/2013$ [CO2Urea Granulator5.51g vy rolling 12 month totalgood combustom practicesCF Industries Nitrogen, LLCIA-006 $7/12/2013$ [CO2Urea Granulator33460 [tyy rolling 12 month totalgood combustom practicesCF Industries Nitrogen, LLCIA-006 $7/12/2013$ [CO2Urea Granulator33460 [tyy rolling 12 month totalgood combustom practicesAgrium U.S. Incorported Kennwick Fertilizer OperationsWA-008 $7/12/2013$ [NACCanaular trans Annonium Nitrate Production0.008 [tr/MNIts wareged 33 stack lessgood combustom practicesAgrium U.S. Incorported Kennwick Fertilizer OperationsWA-008 $7/11/2008$ [NACanaular trans Annonium Nitrate Production0.008 [tr/MNIts wareged 31 stack lessgood combustom practicesCF Industries Nitrogen, LLCAA-008 $7/11/2008$ [NACanaular trans Annonium Nitrate Production0.031 [from trans areged 31 stack lessgood combustom practicesCF Industries Nitrogen, LLCAA-008 $7/11/2008$ [PACanaular trans Annonium Nitrate Production0.031 [from trans areged 31 stack lessgood combustom practices along with a wet scrubberCF Industries Nitrogen, LLCAA-005 $7/12/2012$ [PACanaulator Scrubbers0.031 [from trans areged 31 stack lessgood combustom practicesCF Industries Nitrogen, LLCAA-005 $1/2/2/2008$ [PACanaulator Scrubbers0.031 [from trans areage 0.031 stack lessgood combustom practices along with a wet scrubberInvo FF Industries Nitrogen, LLCAA-005 $1/2/2/2008$ [PACanaulator Scrubbers0.01 [from tra	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	СО	Urea Granulator	0.0194 lb/MMBtu average of 3 stack tests	good combustion practices
Checkerise Nitrogen, LIC(Au106 $7/12/3013$ (COUnea Granulator(117)(	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	СО	Urea Granulator	5.5 tpy rolling 12 month total	good combustion practices
Chardners Ntrogen, LLCIA-0106 $7/12/2013$ (CocUnca Canualator33469 (by rolling 12 month totalgood combustion practicesAgrium U.S. Incorporated Keneweck Fertilizer OperationsWA-0318 $7/11/2008$ [AkGranular Uroa Ammonium Nitrate Production0.006 [b]/NMDB average 32 stack testsgood combustion practicesAgrium U.S. Incorporated Keneweck Fertilizer OperationsWA-0318 $7/11/2008$ [AkGranular Uroa Ammonium Nitrate Production0.006 [b]/NMDB average 32 stack testsgood combustion practicesCF industries Ntrogen, LLCIA-0106 $7/11/2033$ [PAUroa Canualator0.011 [b]/tori of urea average of 3 stack testsgood combustion practice along with a vet scrubberCF industries Ntrogen, LLCIA-0105 $7/11/2033$ [PAUroa Canualator0.012 [c]/tori or urea average of 3 stack testsgood combustion practice along with a vet scrubberOne Section Section $7/11/2033$ [PAUroa Canualator0.014 [c]/tori or urea average of 3 stack testsgood combustion practice along with a vet scrubberOne Section S	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO2	Urea Granulator	117 lb/MMBtu average of 3 stack tests	good combustion practices
CF Industries Ninogen, LLC     LA-016     7/12/2013 [NA     Urea Granulation     0.0006 [IJ/MMBu average of 3 stack tests     good combustion practices       Agrium LS, Incorporated Kennewick Fertilizer Operations     WA-3818     7/11/208 [PM     Granub Urea Ammonium Nitate Production     0.006 [IJ/MMBu average of 3 stack tests     good combustion practices     mode starking       Agrium LS, Incorporated Kennewick Fertilizer Operations     WA-3818     7/11/208 [PM     Granub Urea Ammonium Nitate Production     0.006 [IJ/MMBu average of 3 stack tests     good combustion practices along with a wet scribber       CF Industries Nitrogen, LLC     IA-0166     7/12/2013 [PM     Urea Granulator     8.67 [Pp rolling 12 month total     good combustion practices along with a wet scribber       Iowa Fertilizer Company     IA-0165     10/26/2012 [PM     Urea Granulators     60.4 [Unrs/year rolling 12 month total     good combustion practices       Iowa Fertilizer Company     OK-015     2/23/200 [PM     Granulator Scrubbers     80.5 [Reduction     Good operating practices       Statubast Idata Ionery, LL C Power Connty Advanced Energy Conter     D4007     2/10/200 [PM     Granulator Scrubbers     80.5 [Reduction     Good operating practices       Statubast Idata Ionery, LL C Power Connty Advanced Energy Conter     D4007     2/10/200 [PM     Granulator Scrubbers     80.5 [Reduction     Good operating practices       Statubast Idata Ionery, LL C Power Connty Advanced Energy C	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO2e	Urea Granulator	33469 tpy rolling 12 month total	good combustion practices
Agrium US. Incorporated Kennewick Fertilizer OperationsWA-03187/11/2008 [PMGranular Urea Ammonium Nitrate Production0.096 [gr/dscf 24 hour averageWet Struber, Mist Eliminator, and Product HardenerAgrium US. Incorporated Kennewick Fertilizer OperationsWA-03187/11/2008 [PMGranular Urea Ammonium Nitrate Production0.09. [ons/your 12 month rolling averageWet Struber, Mist Eliminator, and Product HardenerCF Industriss Nitrogen, LLCIA-01067/12/2013 [PMUrea Canulator0.011 [b/n of urea average of stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 [PMUrea Canulator0.01 [b/n of urea average of stack testsWet ScrubberProgre Flat Chenical CompanyOK-01352/27/2009 [PMGranulator Scrubbers0.02 [b/n / 24-loarGood operating practicesSoutheast Idabio Energy, LLC Power County Advanced Energy CenterD-00172/10/2000 [PMGranulator Scrubbers0.011 [b/n of urea average of stack testsgood combustion practices and with a wet scrubberSoutheast Idabio Energy, LLC Power County Advanced Energy CenterD-00172/10/2000 [PMUrea Granulation Vent20.51 [b/n / 24-loarGood operating practicesSoutheast Idabio Energy, LLC Power County Advanced Energy CenterD-00172/10/2000 [PMUrea Granulation Vent20.51 [b/n / 24-loarGood operating practicesGranulator Key10/16/2012 [PM10Urea Granulator Nent20.51 [b/n / 20.51 [b/n / 2	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	N2O	Urea Granulator	0.0006 lb/MMBtu average of 3 stack tests	good combustion practices
Agrian US. Incorporated Kernevick Fertilizer OperationsWA 6187/11/2008 PMGranular Urea Armunorium Nitrate Production996 [bms/y-yar12 month foiling average]We Scrubber, Main and Product HardenerCF Industris Nitrogen, LLCIA-01067/12/2013 PMUrea Granulator0.11 [b/100 in averaged 3 stack testsby od combustion practices along with a wet scrubberGwa Fertilizer CompanyIA-010510/26/2012 PMUrea Granulator0.13 [bg/metri to naveraged 3 stack testsWet ScrubberJowa Fertilizer CompanyIA-010510/26/2012 PMUrea Granulator0.64 [bms/y-yar reling 12 month totalWet ScrubberJowa Fertilizer CompanyOK-01552/22/2009 PMGranulator Scrubbers0.71 [bs/hr 24-boarGood operating practicesStuthesst Idaho Energy, LL F ower County Advanced Inergy CenterID-00172/10/2009 PMGranulator Scrubbers0.01 [b/lornWet ScrubberStuthesst Idaho Energy, LL F ower County Advanced Inergy CenterID-00172/10/2009 PMUrea Granulator0.01 [b/lornWet ScrubberCF Industriss Nitrogen, LLCID-00172/10/2009 PMUrea Granulator0.01 [b/lorn of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industriss Nitrogen, LLCID-01087/12/2013 PM10Urea Granulator0.01 [b/lorn of urea average of 3 stack testsWet ScrubberCF Industriss Nitrogen, LLCID-01087/12/2013 PM10Urea Granulator0.01 [b/lorn of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industriss Nitrogen, LLCID-01087	Agrium U.S. Incorporated Kennewick Fertilizer Operations	WA-0318	7/11/2008	PM	Granular Urea Ammonium Nitrate Production	0.096 gr/dscf 24 hour average	Wet Scrubber, Mist Eliminator, and Product Hardener
CF Industries Nitrogen, LLCIA-0107.712/2013 PMUrea Canulator0.11 lb/ton of urea average of 3 tack testsgood combustion practices along with a wet scrubberIowa Terlitzer CompanyIA-010510/726/2012 PMUrea Canulator0.1 kg/metric ton average of 3 tack testsWet ScrubberIowa Terlitzer CompanyIA-010510/726/2012 PMUrea Canulator0.6 ld/kg/metric ton average of 3 tack testsWet ScrubberPyor Pant Chenical CompanyOK 0352/22/2000 PMGranulator Scrubbers0.7 lls/hr 24-hoarGood operating practicesSoutheast Labh Energy, LLC Power County Advanced Energy CenterID-0072/10/2000 PMCranulator Scrubbers0.011 lb/tonGood operating practicesSoutheast Labh Energy, LLC Power County Advanced Energy CenterID-0072/10/2000 PMUrea Canulation Vent0.011 lb/tonWet ScrubberSoutheast Labh Energy, LLC Power County Advanced Energy CenterID-0072/10/2000 PMUrea Canulation Vent0.011 lb/tonWet ScrubberCF Industries Nitrogen, LLCIA-01067.712/2113 PM10Urea Canulation Vent0.011 lb/ton our average of 3 stack testswet ScrubberCF Industries Nitrogen, LLCIA-01067.712/2113 PM10Urea Canulator0.11 lb/ton our average of 3 stack testswet ScrubberCF Industries Nitrogen, LLCIA-01067.712/2113 PM10Urea Canulator0.11 lb/ton our average of 3 stack testswet ScrubberCF Industries Nitrogen, LLCIA-010511/26/2012 PM10Urea Canulator0.11 lb/tor inter ton average of 3 stack testswet Scrubber<	Agrium U.S. Incorporated Kennewick Fertilizer Operations	WA-0318	7/11/2008	PM	Granular Urea Ammonium Nitrate Production	99.6 tons/year 12 month rolling average	Wet Scrubber, Mist Eliminator, and Product Hardener
CF Industries Nitrogen, LLCLA-01067/12/2013 [PMUrea Granulator#57 [py rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyLA-010510/26/2012 [PMUrea Granulator60.44 [onst/vear rolling 12 month totalWet ScrubberIowa Fertilizer CompanyOK 01352/23/2009 [PMGranulator Scrubbers6.07 [bs/hr 24-hourGood operating practicesPryor Plant Chemical CompanyOK 01352/23/2009 [PMGranulator Scrubbers8.0%ReductionGood operating practicesSoutheast Lable Dargy, LLC Power County Advanced Energy CenterID-0072/10/2009 [PMUrea Granulation Went0.011Jo/nonWet ScrubberSoutheast Lable Dargy, LLC Power County Advanced Energy CenterID-0072/10/2009 [PMUrea Granulation Went2.0%Bo/hrWet ScrubberSoutheast Lable Dargy, LLC Power County Advanced Energy CenterID-0072/10/2009 [PMUrea Granulation Went2.0%PollBo/nonWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulator0.011B/rol on avarage of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-010510/26/2012 [PM10Urea Granulator0.011B/rol on avarage of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-010510/26/2012 [PM10Urea Granulator0.011B/rol on avarage of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLC	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Urea Granulator	0.11 lb/ton of urea average of 3 stack tests	good combustion practices along with a wet scrubber
Iowa Ferlikzer CompanyIA-00510/26/2012 [PMUrea Granulator0.1 kg/metric ton average of stack tossWet ScrubberPryor Plant Chemical Company0K-01352/23/2009 [PMGranulator Scrubbers0.07 [Bb/hz 24-hourGood operating practicesPryor Plant Chemical Company0K-01352/23/2009 [PMGranulator Scrubbers80% ReductionGood operating practicesSoutheast Idaho Energy, LL C Nover County Advanced Energy Center1D-00172/10/2009 [PMUrea Granulator Scrubbers80% ReductionWet ScrubberSoutheast Idaho Energy, LL C Nover County Advanced Energy Center1D-00172/10/2009 [PMUrea Granulator Nent2.05 [Bs/hrWet ScrubberSoutheast Idaho Energy, LL C Nover County Advanced Energy Center1D-00172/10/2009 [PMUrea Granulator2.05 [Bs/hrWet ScrubberCF Industriss Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulator9.01 [Bs/hrWet ScrubberCF Industriss Nitrogen, LLCIA-010510/26/2012 [PM10Urea Granulator9.01 [Bs/hryet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.01 [Bs/hryet ScrubberIowa Fertilizer CompanyIA-010510/26/20	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Urea Granulator	85.7 tpy rolling 12 month total	good combustion practices along with a wet scrubber
Iowa Fertilizer CompanyIA-010510/2012 [PMUrea Granulator60.4 [tons/yrear rolling 12 north totalWet ScrubberPryor Plant Chemical CompanyOK.01352/23/200 [PMGranulator Scrubbers0.7 [1bs/hr 24hortGood operating practicesPryor Plant Chemical CompanyOK.01352/23/200 [PMGranulator Scrubbers0.011Bk/ntctionGood operating practicesSouthess Idaho Energy, LL Power County Advanced Energy CenterD-00172/10/2009 [PMUrea Granulation Vent2.03 [lbs/hrWet ScrubberSouthess Idaho Energy, LL Power County Advanced Energy CenterD-00172/10/2009 [PMUrea Granulation Vent2.03 [lbs/hrWet ScrubberCF Industris Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulator2.01 [lbs/hrWet ScrubberGood operating practices along with a wet scrubberIS-10/2003 [PM10Urea Granulator0.01 [lbs/hrgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.01 [lbs/hr pring 12 month roll alwet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.64 [tons/year rolling 12 month roll alwet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.64 [tons/year rolling 12 month roll alwet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.64 [tons/year rolling 12 month roll alwet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Granulator Scr	Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Urea Granulator	0.1 kg/metric ton average of 3 stack tests	Wet Scrubber
Pryor Plant Chemical CompanyOK-01352/23/2009 PMGranulator Scrubbers0.7 [Bs/hr 24-hourGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 PMGranulator Scrubbers0.011bl/afmWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 PMUrea Granulation Vent2.05Blo/afmWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2008 PMUrea Granulation Vent2.05ReductionWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2008 PMUrea Granulation Vent2.05ReductionWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013 PM10Urea Granulator0.011Ib/fon of ura a verage of 3 stack testgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 PM10Urea Granulator0.018Iowa Fertilizer CompanyWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 PM10Urea Granulator Scrubbers6.6Iss/hr y erg anulatorWet ScrubberPryor Plant Chenical CompanyOK-01352/21/2008 PM10Urea Granulator Scrubbers8.0%ReductionGood operating practicesPryor Plant Chenical CompanyOK-01352/21/2009 PM10Granulator Scrubbers8.0%Iso/a Iowa ScrubberWet ScrubberPryor Plant Chenical CompanyOK-01352/21/2009 PM10Granulator Scrubbers8.0%Iso/a I	Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Urea Granulator	60.4 tons/year rolling 12 month total	Wet Scrubber
Pryor Plant Chemical CompanyOK-01352/2/2/2009 [PMGranulator Scrubbers80% ReductionGood operating practicesSoutheast Idabs Energy, LI C Power County Advanced Energy CenterID-00172/10/2009 [PMUrea Granulation Vent0.011Ih/tonWet ScrubberSoutheast Idabs Energy, LI C Power County Advanced Energy CenterID-00172/10/2009 [PMUrea Granulation Vent205lbs/hrWet ScrubberSoutheast Idabs Energy, LI C Power County Advanced Energy CenterID-00172/10/2009 [PMUrea Granulator Vent205lbs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulator0.011Ih/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator0.01 & 6.01 & for scrubberWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator6.01 & for scrubber are oblig in a wet scrubberIowa Fertilizer CompanyOK-01352/23/2009 [PM10Granulator Scrubbers6.01 & for scrubar rolling i 2 month totalWet ScrubberPryor Plant Chenical CompanyOK-01352/23/2009 [PM10Granulator Scrubbers8.05 & ReductionGood operating practicesPryor Plant Chenical CompanyOK-01352/23/2009 [PM10Granulator Scrubbers8.05 & ReductionGood operating practicesPryor Plant Chenical CompanyOK-01352/23/2009 [PM10Granulator Scrubbers8.05 & ReductionGood operating practicesPryor Plan	Pryor Plant Chemical Company	OK-0135	2/23/2009	PM	Granulator Scrubbers	0.7 lbs/hr 24-hour	Good operating practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center         ID-0017         2/10/2009 [PM         Urea Granulation Vent         0.011         [b/ton         Wet Scrubber           Southeast Idaho Energy, LLC Power County Advanced Energy Center         ID-0017         2/10/2009 [PM         Urea Granulation Vent         20.5 [Bs/nr         Wet Scrubber           CF Industries Nitrogen, LLC         IA-0106         7/12/2013 [PM10         Urea Granulation Vent         20.5 [Bs/nr         Wet Scrubber         good combustion practices along with a wet scrubber           CF Industries Nitrogen, LLC         IA-0106         7/12/2013 [PM10         Urea Granulator         0.01 [b/ton of urea average of 3 stack test]         good combustion practices along with a wet scrubber           Iowa Fertilizer Company         IA-0105         10/26/2012 [PM10         Urea Granulator         0.1 [b/ton of urea average of 3 stack test]         good combustion practices along with a wet scrubber           Iowa Fertilizer Company         IA-0105         10/26/2012 [PM10         Urea Granulators         6.0 [bs/hr er granulator         Wet Scrubber         Wet Scrubber           Iowa Fertilizer Company         OK-0124         5/1/2009 [PM10         Granulators         6.0 [b/s/hr er granulator         Wet Scrubber           Pryor Plant Chenical Company         OK-0135         2/22/2009 [PM10         Granulatorscrubbers         0.0 [b/s/not	Pryor Plant Chemical Company	OK-0135	2/23/2009	PM	Granulator Scrubbers	80% Reduction	Good operating practices
Southesst Idabo Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 [PMUrea Granulation Vent205 [Bs/hrWet StrubberCF Industries Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulation Vent20%0.11Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013 [PM10Urea Granulator0.11Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-010510/26/2012 [PM10Urea Granulator0.11kg/metilize 1 converage of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 [PM10Urea Granulator6.61https://em.org.natuktestsWet ScrubberPryor Plant Chemical CompanyOK-01352/23/2009 [PM10Granulator Scrubbers0.718.01KetScrubberPryor Plant Chemical CompanyOK-01352/23/2009 [PM10Granulator Scrubbers8.0%ReductionWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 [PM10Urea Granulation Vent0.005 lb/tonWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 [PM10Urea Granulation Vent0.005 lb/s/nWet ScrubberCF Industries Nitrogen, LLCID-00172/10/2009 [PM10Urea Granulation Vent0.005 lb/s/nWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00	Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Urea Granulation Vent	0.011 lb/ton	Wet Scrubber
Southess Haho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 PMUrea Granulation Vent20%ReductionWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013 PM10Urea Granulator0.11Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012 PM10Urea Granulator0.61Reg/ metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012 PM10Urea Granulator0.64Reg/ metric ton average of 3 stack testsWet ScrubberKoch Nitrogen Company Enid Nitrogen PlantOK-0132/23/2009 PM10Urea Granulator Scrubbers0.6Ib/s/r 24-NourGood operating practicesPyor Plant Chemical CompanyOK-01352/23/2009 PM10Granulator Scrubbers0.8Net ScrubberGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 PM10Urea Granulator0.06Not ScrubberGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009 PM10Urea Granulator0.08Ib/tonWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013 PM25Urea Granulator0.018Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberGoud operating practicesIA-01067/12/2013 PM25Urea Granulator0.018Ib/ton of urea average of 3 stack testsgood combustion practicesGoud operating	Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Urea Granulation Vent	20.5 lbs/hr	Wet Scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013PM10Urea Granulator0.11Ib/ton of trea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-010510/26/2012PM10Urea Granulator0.57ty rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator0.61test, wet scrubberKoch Nitrogen CompanyIA-010510/26/2012PM10Urea Granulator66.4test, wet scrubberKoch Nitrogen CompanyOK-01352/23/2009PM10Granulator Scrubbers0.71B/h reg granulatorWet ScrubberPyor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers0.80%ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulator0.005b/tornWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.018b/tornWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.018b/tornWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.018b/torngood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.028kg/metric ton average of 3 stack tests <td>Southeast Idaho Energy, LLC Power County Advanced Energy Center</td> <td>ID-0017</td> <td>2/10/2009</td> <td>PM</td> <td>Urea Granulation Vent</td> <td>20% Reduction</td> <td>Wet Scrubber</td>	Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM	Urea Granulation Vent	20% Reduction	Wet Scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013PM10Urea Granulator857tpy rolling 12 month totalgood combustion practices along with a wet scrubberlowa Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator0.1 kg/metric ton average 03 stack testsWet Scrubberlowa Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator664Hons/year rolling 12 month totalWet ScrubberKoch Nitrogen Company Enid Nitrogen PlantOK-01352/23/2009PM10Granulator Scrubbers0.710/16/2012Wet ScrubberPyor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers80%ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulator Nent0.005Ib/tonWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM25Urea Granulator Nent0.005Ib/tonwet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM25Urea Granulator0.108Ib/ton of urea average 03 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-01067/12/2013PM25Urea Granulator0.018Ib/ton of urea average 03 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.018Ib/ton of urea average 03 stack testsWet ScrubberIowa Fertilizer Compan	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Urea Granulator	0.11 lb/ton of urea average of 3 stack tests	good combustion practices along with a wet scrubber
Iowa Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator0.11 kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator6.04 lons/year rolling 12 month totalWet ScrubberRoch Nitrogen Company Enid Nitrogen PlantOK-01245/1/2008PM10Urea Granulators6.6 lbs/hr per granulatorWet ScrubberPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers0.7 lbs/hr 24-hourGood operating practicesPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers8.0% ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulator Vent9.00510/5/ntWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2019PM10Urea Granulator Vent9.10510/6/2012M2.5Urea Granulator9.10510/26/2012Iowa Fertilizer CompanyIA-01067/12/2013PM2.5Urea Granulator8.0710.85Jpr prolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer Compa	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Urea Granulator	85.7 tpy rolling 12 month total	good combustion practices along with a wet scrubber
Inva Fertilizer CompanyIA-010510/26/2012PM10Urea Granulator60.4fons/year rolling 12 month totalWet ScrubberKoch Nitrogen Company Enid Nitrogen PlantOK-01345/1/2008PM10Urea Granulators6.6lbs/hr per granulatorWet ScrubberPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers0.7lbs/hr 24-hourGood operating practicesPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers80%ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulator Vent0.005lb/tonWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.108lb/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-01067/12/2013PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-01067/12/2013PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-01067/12/2013Visible EmissionUrea Granulator0.025kg/metric ton average of 3 stack te	Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Urea Granulator	0.1 kg/metric ton average of 3 stack tests	Wet Scrubber
Koch Nitrogen CompanyEnd Nitrogen PlantOK-01245/1/2008PM10Urea Granulators6.6Ibs/hr per granulatorWet ScrubberPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers0.7Ibs/hr 24-hourGood operating practicesPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers80%ReductionGood operating practicesSoutheast Idabo Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent90b/tonWet ScrubberSoutheast Idabo Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent91bs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.108Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator85.7typ rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.005kg/metric ton average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.005kg/metric ton average of 3 stack testsgood combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.055kg/metric ton average of 3 sta	Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Urea Granulator	60.4 tons/year rolling 12 month total	Wet Scrubber
Pryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers0.7Ibs/hr 24-hourGood operating practicesPryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers80%ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced EnergyID-00172/10/2009PM10Urea Granulation Vent0.005Ib/s/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulation Vent9Ibs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.018Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.028/5.7tpy rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.05good combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0.05good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLC	Koch Nitrogen Company Enid Nitrogen Plant	OK-0124	5/1/2008	PM10	Urea Granulators	6.6 lbs/hr per granulator	Wet Scrubber
Pryor Plant Chemical CompanyOK-01352/23/2009PM10Granulator Scrubbers80%ReductionGood operating practicesSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent0.005lb/tonWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent9lbs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.008lb/ton of urea average of 3 stack testgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberCF Industries Nitrogen, LLCIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VoCUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitro	Pryor Plant Chemical Company	OK-0135	2/23/2009	PM10	Granulator Scrubbers	0.7 lbs/hr 24-hour	Good operating practices
Southeast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent0.005lb/tonWet ScrubberSoutheast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent9 lbs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.108Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05b/ tor of urea average of 3 stack tests <td< td=""><td>Pryor Plant Chemical Company</td><td>OK-0135</td><td>2/23/2009</td><td>PM10</td><td>Granulator Scrubbers</td><td>80% Reduction</td><td>Good operating practices</td></td<>	Pryor Plant Chemical Company	OK-0135	2/23/2009	PM10	Granulator Scrubbers	80% Reduction	Good operating practices
Southeast Idaho Energy, LLC Power County Advanced Energy CenterID-00172/10/2009PM10Urea Granulation Vent9lbs/hrWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.108lb/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator85.7tyr rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013VOCUrea Granulator0.05%%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013VOCUrea Granulator0.05%%good combustion practices and wet scrub	Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM10	Urea Granulation Vent	0.005 lb/ton	Wet Scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator0.108Ib/ton of urea average of 3 stack testsgood combustion practices along with a wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator85.7typ rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator15.1tons/year rolling 12 month totalWet ScrubberIowa Fertilizer CompanyIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013VOCUrea Granulator0%good combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05lb/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05lb/ton of urea average of 3 stack testsgood combustion	Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009	PM10	Urea Granulation Vent	9 lbs/hr	Wet Scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013PM2.5Urea Granulator85.7ty rolling 12 month totalgood combustion practices along with a wet scrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator15.1tons/year rolling 12 month totalWet ScrubberIowa Fertilizer CompanyIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0% opacityWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05lb/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05lb/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9typ rolling 12 month totalgood combustion practices and wet scrubber<	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Urea Granulator	0.108 lb/ton of urea average of 3 stack tests	good combustion practices along with a wet scrubber
Iowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator0.025kg/metric ton average of 3 stack testsWet ScrubberIowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator15.1tons/year rolling 12 month totalWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9tpy rolling 12 month totalgood combustion practices and wet scrubber	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Urea Granulator	85.7 tpy rolling 12 month total	good combustion practices along with a wet scrubber
Iowa Fertilizer CompanyIA-010510/26/2012PM2.5Urea Granulator15.1Kons/year rolling 12 month totalWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0% opacityWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9ty rolling 12 month totalgood combustion practices and wet scrubber	Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Urea Granulator	0.025 kg/metric ton average of 3 stack tests	Wet Scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013Visible EmissionUrea Granulator0%good combustion practices and wet scrubberIowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0% opacityWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9typ rolling 12 month totalgood combustion practices and wet scrubber	Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Urea Granulator	15.1 tons/year rolling 12 month total	Wet Scrubber
Iowa Fertilizer CompanyIA-010510/26/2012Visible EmissionUrea Granulator0% opacityWet ScrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9tpy rolling 12 month totalgood combustion practices and wet scrubber	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emission	Urea Granulator	0 %	good combustion practices and wet scrubber
CF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator0.05Ib/ton of urea average of 3 stack testsgood combustion practices and wet scrubberCF Industries Nitrogen, LLCIA-01067/12/2013VOCUrea Granulator38.9tpy rolling 12 month totalgood combustion practices and wet scrubber	Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emission	Urea Granulator	0 % opacity	Wet Scrubber
CF Industries Nitrogen, LLC IA-0106 7/12/2013 VOC Urea Granulator 38.9 tpy rolling 12 month total good combustion practices and wet scrubber	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Urea Granulator	0.05 lb/ton of urea average of 3 stack tests	good combustion practices and wet scrubber
	CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Urea Granulator	38.9 tpy rolling 12 month total	good combustion practices and wet scrubber

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

	~	<b>`</b>	
Ł	r	<b>\</b>	
L		v	
-	-		
		-	

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler Unit 49 - Package Boiler

Process Code	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM10	natural gas-fired auxiliary boilers EU 012A and EU 012B	7.6	LB/MMCF	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM10	natural gas-fired auxiliary boilers EU 012A and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM2.5	natural gas-fired auxiliary boilers EU 012A and EU 012B	7.6	LB/MMCF	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	TPM2.5	natural gas-fired auxiliary boilers EU 012A and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	shall combust natural gas
					natural gas-fired auxiliary boilers EU 012A			The natural gas-fired auxiliary boilers shall combust natural gas; shall be designed to achieve a minimum 80% thermal efficiency (HHV); shall be equipped with the following energy efficient design features: air inlet controls, heat recovery, condensate recovery, and blow
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	CO2e	and EU 012B	59.61	TON/MMCF	down heat recovery. The natural gas-fired auxiliary boilers shall combust
					natural gas-fired auxiliary boilers EU 012A			natural gas; shall be designed to achieve a minimum 80% thermal efficiency (HHV); shall be equipped with the following energy efficient design features: air inlet controls, heat recovery, condensate recovery, and blow
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	CO2e	and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	down heat recovery.
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	VOC	and EU 012B	5.5	LB/MMCF, THREE-HOUR AVERAGE	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	VOC	and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	СО	and EU 012B	37.22	LB/MMCF, THREE-HOUR AVERAGE	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	СО	and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	NOx	and EU 012B	20.4	LB/MMCF	shall combust natural gas
12.31	MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022	NOx	natural gas-fired auxiliary boilers EU 012A and EU 012B	1877.39	MMCF TWELVE CONSECUTIVE MONTH PERIC	shall combust natural gas
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	TPM10	FCCU Charge Heater (EQT0163)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	TPM2.5	FCCU Charge Heater (EQT0163)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	CO2e	FCCU Charge Heater (EQT0163)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	VOC	FCCU Charge Heater (EQT0163)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	H2S	FCCU Charge Heater (EQT0163)	0		Comply with 40 CFR 60 Subpart J Fuel gas H2S <=162 ppmv (3-hour rolling average) Fuel gas H2S <=60 ppmv (365-day rolling average)
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	СО	FCCU Charge Heater (EQT0163)	0		Subpart DDDDD
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	NOx	FCCU Charge Heater (EQT0163)	0.06	LB/MM BTU ANNUAL AVERAGE	LNB Comply with 40 CFR 60 Subpart J Fuel gas H2S <=162
11.31	GARYVILLE REFINERY	LA-0385	2/11/2021	SO2	FCCU Charge Heater (EQT0163)	0		ppmv (3-hour rolling average) Fuel gas H2S <=60 ppmv (365-day rolling average)
12.31	GARYVILLE REFINERY	LA-0385	2/11/2021	TPM10	EQT0376)	0		Subpart DDDDD
12.31	GARYVILLE REFINERY	LA-0385	2/11/2021	TPM2.5	Reboilers/Heaters (EQT0164, EQT0181, EQT0376)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
12.31	GARYVILLE REFINERY	LA-0385	2/11/2021	CO2e	Reboilers/Heaters (EQT0164, EQT0181, EQT0376)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD
12.31	GARYVILLE REFINERY	LA-0385	2/11/2021	VOC	Reboilers/Heaters (EQT0164, EQT0181, EQT0376)	0		Comply with work practice standards of 40 CFR 63 Subpart DDDDD

RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler Unit 49 - Package Boiler

Process Code	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
couc				Tonutunt				Comply with 40 CFR 60 Subpart J Fuel gas H2S <=162
					Reboilers/Heaters (EQT0164, EQT0181,			ppmv (3-hour rolling average) Fuel gas H2S <=60 ppmv
12.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	l H2S	EQT0376)	0		(365-day rolling average)
					Reboilers/Heaters (EQT0164, EQT0181,			Comply with work practice standards of 40 CFR 63
12.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	I CO	EQT0376)	0		Subpart DDDDD
10.0	1 CARVAULE REENERV		2/11/202		Reboilers/Heaters (EQ10164, EQ10181,	0.04		LND
12.3	I GARTVILLE REFINERT	LA-0383	2/11/202	INOX	EQ10376)	0.04	LB/ MM BIU ANNUAL AVERAGE	LIND Comply with 40 CEP 60 Subport I Eucl gas H2S <=162
					Reboilers/Heaters (FOT0164_FOT0181			(3-hour  colling average) Fuel gas H2S <=60 ppmy
12.3	1 GARYVILLE REFINERY	LA-0385	2/11/202	1 502	EOT0376)	0		(365-day rolling average)
					~ ~ ~ ~			Proper design and good engineering practices Fueled by
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202	1 TPM10	Crude Heaters (EQT0292)	0.0075	LB/MM BTU ANNUAL AVERAGE	refinery fuel gas and natural gas
								Comply with work practice standards of 40 CFR 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	l CO2e	Crude Heaters (EQT0292)	0		Subpart DDDDD
								Proper design and good engineering practices Fueled by
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2021	I VOC	Crude Heaters (EQT0292)	0.0015	LB/MM BTU ANNUAL AVERAGE	refinery fuel gas and natural gas
								Total Sulfur in fuel gas $\leq 40$ ppmv and H2S in fuel gas
11.2	1 CARVVII I E REEINERV	I A 0385	2/11/202	HING	Cruda Hastors (EOT0202)	0		Sampling for sulfur plus CEMS wookly H2S average
11.3	I GART VILLE REFINERT	LA-0365	2/11/202	1 1 1 2 3	Crude Heaters (EQ10292)	0		Comply with work practice standards of 40 CER 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202		Crude Heaters (EOT0292)	0.02	I B/MM BTU ANNUAL AVERAGE	Subpart DDDDD
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202	l NOx	Crude Heaters (EQT0292)	0.0125	LB/MM BTU ANNUAL AVERAGE	LNB + SCR
								Fueled by natural gas and/or refinery fuel gas Total
								Sulfur in fuel gas <= 40 ppmv and H2S in fuel gas <= 25
								ppmv (annual average) based on monthly fuel gas
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2021	1 SO2	Crude Heaters (EQT0292)	0		sampling for sulfur plus CEMS weekly H2S average
								Comply with work practice standards of 40 CFR 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	1 TPM10	Charge Heaters (EQT0377, EQT0378)	0		Subpart DDDDD
		T A 0205	0 /11 /000					Comply with work practice standards of 40 CFR 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202.	TPM2.5	Charge Heaters (EQ10377, EQ10378)	0		Subpart DDDDD
11.2	1 CARVVII LE REEINERV	I A 0385	2/11/202		Charge Heaters (EOT0377, EOT0378)	0		Subpart DDDDD
11.5	I GART VILLE REFINERT	LA-0305	2/11/202		Charge Heaters (EQ10377, EQ10378)			Comply with work practice standards of 40 CER 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202	IVOC	Charge Heaters (EOT0377, EOT0378)	0		Subpart DDDDD
	· · · · · · · · · · · · · · · · · · ·							
								Total Sulfur in fuel gas <= 40 ppmv and H2S in fuel gas
								<= 25 ppmv (annual average) based on monthly fuel gas
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	l H2S	Charge Heaters (EQT0377, EQT0378)	0		sampling for sulfur plus CEMS weekly H2S average
								Comply with work practice standards of 40 CFR 63
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/202	I CO	Charge Heaters (EQT0377, EQT0378)	0		Subpart DDDDD
11.3	1 GARYVILLE REFINERY	LA-0385	2/11/2023	l NOx	Charge Heaters (EQT0377, EQT0378)	0.06	LB/MM BTU ANNUAL AVERAGE	LNB
								Total Sulfur in fuel gas $\leq 40$ ppmv and H2S in fuel gas
11.3	1 CARVVII LE REEINERV	LA-0385	2/11/202		Charge Heaters (EOT0377, EOT0378)	0		sampling for sulfur plus CEMS weekly H2S average
12.3	1 PFTMIN USA INCORPORATED	OH-0383	7/17/202	CO2e	Process gas heater (P001)	70203	IB/H	Good combustion practices and the use of natural gas
12.3	1 PETMIN USA INCORPORATED	OH-0383	7/17/2020	) CO2e	Process gas heater (P001)	307490	T/YR PER ROLLING 12 MONTH PERIOD	Good combustion practices and the use of natural gas
12.3	1 PETMIN USA INCORPORATED	OH-0383	7/17/2020	) CO	Process gas heater (P001)	11.17	LB/H	Good combustion practices and the use of natural gas
12.3	1 PETMIN USA INCORPORATED	OH-0383	7/17/2020	O CO	Process gas heater (P001)	48.92	T/YR PER ROLLING 12 MONTH PERIOD	Good combustion practices and the use of natural gas
								Low NOX burners, use of natural gas and good
12.3	1 PETMIN USA INCORPORATED	OH-0383	7/17/2020	) NOx	Process gas heater (P001)	18.88	LB/H	combustion practices
								Low NOX burners, use of natural gas and good
12.3	1 PETMIN USA INCORPORATED	OH-0383	7/17/2020	) NOx	Process gas heater (P001)	82.71	T/YR PER ROLLING 12 MONTH PERIOD	combustion practices
12.3	1 MONT BELVIEU NGL FRACTIONATION UNIT	TX-0886	3/31/2020		HOT OIL HEATERS	0.002	LB/ MMBTU	clean fuel, good combustion practices
10.0	1 MONT BEI VIEU NGU ERACTIONATION UNIT	TY-0886	2/21/2020		HOT OIL HEATERS	0.01	I B/MMBTU HOURIN	Low-NOv humans and selective catalytic reduction (SCP
12.3	TRACIONATION UNIT	1/-0000	5/ 51/ 2020		TIOT OIL TILATENO	0.01		LOW-INON DUTIETS and Selective catalytic reduction (SCK

RBLC Search Summary

Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler

Unit 49 - Package Boiler

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
MONT BELVIEU NGL FRACTIONATION UNIT	TX-0886	3/31/2020	) NOx	HOT OIL HEATERS	0.006 LB/MMBTU ANNUAL	Low-NOx burners and selective catalytic reduction (SCR
MONT BELVIEU NGL FRACTIONATION UNIT	TX-0886	3/31/2020	0 NOx	HOT OIL HEATERS MSS	0.05 LB/MMBTU	LIMITED MSS OPERATIONS
TEXAS CITY CHEMICAL PLANT	*TX-0913	9/27/2021	1 CO2e	BOILERS	0	Good combustion practices, natural gas
TEXAS CITY CHEMICAL PLANT	*TX-0913	9/27/2021	1 CO	BOILERS	50 PPMV, 3% O2	Good combustion practices, natural gas
TEXAS CITY CHEMICAL PLANT	*TX-0913	9/27/2021	1 FPM2.5	BOILERS	1.38 LB/HR/BOILER	Good combustion practices, natural gas
Venture Global Calcasieu Pass, LLC - Calcasieu Pass LNG	111 07 10	.,		Hot Oil Heaters (HOH1 to HOH6) (115		Ultra Low NOx Burners and Good Combustion Practices
Project	LA-0331 (draft)	9/21/2018, updated 2/19/2019	NOx	MMBtu/hr)	0.038 lb/MMBtu 3-hr average	(BACT-PSD NSPS)
Venture Global Calcasieu Pass, LLC - Calcasieu Pass LNG		<i>y</i> 21, 2010, updated 2, 19, 2019		Hot Oil Heaters (HOH1 to HOH6) (115	0.000 lb/ Willibla 0 lii average	Exclusive Combustion of Fuel Gas and Good Combustion
Project	LA-0331 (draft)	9/21/2018 updated 2/19/2019		MMBtu/hr)	0.082 lb/MMBtu 3-br average	Practices (BACT-PSD NSPS)
Vonturo Clobal Calcasion Pass II.C Calcasion Pass I.N.C.		5/21/2010, updated 2/15/2015		Hot Oil Hostors (HOH1 to HOH6) (115	0.002 ID/ WIWIDtu 3-III average	Exclusive Combustion of Evel Cas and Cood Combustion
Project	$I \land 0221 (draft)$	0/21/2018 undeted $2/10/2010$	TDM10	MMBtu /br)	0.0075 lb $/MP$ to 2 by average	Dractices (BACT DCD NCDC)
Venture Clabal Calcacion Pass, LLC, Calcacion Pass INC	LA-0551 (utait)	9/21/2018, updated 2/19/2019		Hot Oil Hostory (HOH1 to HOH6) (115	0.0075 ID/ WIWIDtu 3-III average	Evolution of Evol Cost and Cost Combustion
Venture Giodal Calcasieu Pass, LLC - Calcasieu Pass LING				Hot OII heaters (HOHI to HOH6) (115		Exclusive Combustion of Fuel Gas and Good Combustion
Project	LA-0331 (draft)	9/21/2018, updated 2/19/2019	1PM2.5	MMBtu/nr)	0.0075 lb/ MMBtu 3-hr average	Practices (BACT-PSD NSPS)
Venture Global Calcasieu Pass, LLC - Calcasieu Pass LNG				Hot Oil Heaters (HOHI to HOH6) (115		Exclusive Use of Low Sulfur Fuel Gas and Proper
Project	LA-0331 (draft)	9/21/2018, updated 2/19/2019	SO2	MMBtu/hr)	0.0006 lb/MMBtu 3-hr average	Engineering Practices (BACT-PSD NSPS)
						Proper Equipment Design and Operation, Good
Venture Global Calcasieu Pass, LLC - Calcasieu Pass LNG				Hot Oil Heaters (HOH1 to HOH6) (115		Combustion Practices, and Exclusive Combustion of Fuel
Project	LA-0331 (draft)	9/21/2018, updated 2/19/2019	VOC	MMBtu/hr)	0.0054 lb/MMBtu 3-hr average	Gas (BACT-PSD NSPS)
						Exclusive Use of Low Carbon Fuel Gas, Good
						Combustion Practices, Good Operation and Mantenance
						Practices and Insulation (BACT Limit based on Annual
Venture Global Calcasieu Pass, LLC - Calcasieu Pass LNG				Hot Oil Heaters (HOH1 to HOH6) (115		Total for 6 Heaters. 40 CFR Subpart Dc) (BACT-PSD
Project	LA-0331 (draft)	9/21/2018, updated 2/19/2019	CO2e	MMBtu/hr)	354456 tons/year	NSPS)
,						
			TPM (all PM is			
		9/18/2018 (draft) updated	assumed to be	Auxiliary Boiler (111 90 MMBtu/hr -		
ISC Brooke County Power LILC	WW-0032 (draft)	1/2/2019	PM2 5 or less)	Natural Cas/Ethano)	0.008 lbc /MMBtu	Cood combustion practices use of natural gas
ESC DIOORE County I Owel 1, LEC	<i>ww-</i> 0032 (urait)	1/2/2019	TDM (all DM is	Natural Gas/ Ethane )	0.008 IDS/ WIWIDtu	Good combustion practices, use of natural gas.
		0/10/2010/10000000000000000000000000000		$A_{1} = \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}{2} $		
		9/18/2018 (draft) updated	assumed to be	Auxiliary Boller (111.90 MMBtu/ nr -		
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	PM2.5 or less)	Natural Gas/Ethane )	0.87 lb/hr	Good combustion practices, use of natural gas.
			TPM (all PM is			Good combustion practices at all times boilers are in
		9/18/2018 (draft) updated	assumed to be	Auxiliary Boiler (111.90 MMBtu/hr -		operation, use of natural gas. Annual emissions are based
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	PM2.5 or less)	Natural Gas/Ethane )	1.99 tons/year	on 512,140 mmBtu/yr.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	Sulfuric Acid	Natural Gas/Ethane )	0.0001 lbs/MMBtu	Use of natural gas.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	Sulfuric Acid	Natural Gas/Ethane)	0.02 lb/hr	Use of natural gas.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		Use of natural gas. Annual emissions are based on
FSC Brooke County Power LILC	WV-0032 (draft)	1/2/2019	Sulfuric Acid	Natural Gas/Ethane)	0.03 tons/year	512 140  mmBtu/vr
Lee brooke county rower i, lee	(urun)	9/18/2018 (draft) updated	Sulfuite Held	Auxiliary Boiler (111 90 MMBtu/hr -	0.00 1015/ year	Low NOx hurners and good combustion practices
ESC Brooke County Power LILC	WW-0032 (draft)	1/2/2019	NOv	Natural Cas/Ethano)	0.011 lb /MMB+1	Annual emissions are based on 512 140 mmBtu/vr
ESC Brooke County rower I, LEC	vv v-0052 (urait)	0/18/2019	NOX	Auvilian Gas/Ethane)	0.011 10/ 1011010	Allitadi ellissions die based on 512,140 hillibra/ y1.
	MUV 00000 (1 - (1))	9/10/2010 (utait) upuated		Auxiliary boller (111.90 Wiwibiu/ III -	1 00 11 /1	
ESC Brooke County Power I, LLC	vv v-0032 (draft)		NOX	Natural Gas/ Etnane )	1.23 lb/ hour	Low NOx burners and good combustion practices.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	NOx	Natural Gas/Ethane )	2.82 tons/year	Low NOx burners and good combustion practices.
						Good combustion practices at all times boilers are in
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		operation, must only combust natural gas. Annual
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	СО	Natural Gas/Ethane )	0.037 lb/MMBtu	emissions are based on 512,140 mmBtu/yr.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -		
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	СО	Natural Gas/Ethane )	4.14 lb/hour	Good combustion practices.
		9/18/2018 (draft) updated	1	Auxiliary Boiler (111.90 MMBtu/hr -		Good combustion practices, use of natural gas. Annual
ESC Brooke County Power I. LLC	WV-0032 (draft)	1/2/2019	со	Natural Gas/Ethane )	9.47 tons/vear	emissions are based on 512,140 mmBtu/vr.
	<u> </u>	9/18/2018 (draft) updated	1	Auxiliary Boiler (111.90 MMBtu/hr -		,,
ESC Brooke County Power LLLC	WV-0032 (draft)	1/2/2019	VOC	Natural Gas/Ethane )	0 008 lb/MMBt11	Good combustion practices, use of natural gas
LOC DIOORE COUNTY I OWEI I, LEC	(uran)	9/18/2018 (draft) undated	1.00	Auxiliary Boilor (111 00 MMR+11/br		
ESC Brooke County Power I II C	WW-0022 (dwaft)	1/2/2010 (uran) updated	VOC	Natural Cas / Ethana)	0.9 lb/bour	Good combustion practices use of natural cas
SOUDIOURE COUNTY FOWER I, LEC	vv v-0052 (urait)	1/ 2/ 2017	NUC	inaturar Gas/ Ethane j	0.7 IV/ 110UT	Good compusition practices, use of natural gas.

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler Unit 49 - Package Boiler

Process	
Code	

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -			Good combustion practices, use of natural gas. Annual
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	VOC	Natural Gas/Ethane )	2.05	tons/year	emissions are based on 512,140 mmBtu/yr.
		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -			
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	CO2e	Natural Gas/Ethane )	14768	lb/hour	Use of natural gas.
·		9/18/2018 (draft) updated		Auxiliary Boiler (111.90 MMBtu/hr -			Use of natural gas. Annual emissions are based on
ESC Brooke County Power I, LLC	WV-0032 (draft)	1/2/2019	CO2e	Natural Gas/Ethane )	33790	tons/year	512,140 mmBtu/yr.
							Low NOx Burners (Annual limit of 5.1 tons/yr on a 12-
		4/26/2018, updated					month rolling total. Compliance based on stack test and
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	NOx	Auxiliary Boiler (902 mmcf/year)	0.011	lb/MMBtu corrected to 3% O2	annual fuel throughput) (BACT-PSD NSPS SIP)
							Low NOx Burners (Annual limit of 5.1 tons/yr on a 12-
		4/26/2018, updated					month rolling total. Compliance based on stack test and
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	NOx	Auxiliary Boiler (902 mmcf/year)	1.2	lb/hr	annual fuel throughput) (BACT-PSD NSPS SIP)
							Good Combustion Practices and Clean Fuel (Compliance
		4/26/2018, updated					based on stack test. Annual limit 17.1 tons/year base on
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	CO	Auxiliary Boiler (902 mmcf/year)	0.037	lb/MMBtu	fuel throughput.)(BACT-PSD SIP)
							Good Combustion Practices and Clean Fuel (Compliance
		4/26/2018, updated					based on stack test. Annual limit 17.1 tons/year base on
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	CO	Auxiliary Boiler (902 mmcf/year)	3.9	lb/hr	fuel throughput.)(BACT-PSD SIP)
							Good Combustion Practices and the Use of Pipeline
		4/26/2018, updated					Quality Natural Gas with a Maximum Sulfur Content of
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	TPM10	Auxiliary Boiler (902 mmcf/year)	0.8	lb/hr	0.4 gr/100 scf on a 12-month rolling avg.(BACT-PSD SIP)
							Good Combustion Practices and the Use of Pipeline
		4/26/2018, updated					Quality Natural Gas with a Maximum Sulfur Content of
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	TPM10	Auxiliary Boiler (902 mmcf/year)	3.3	tons/year 12-month rolling total	0.4 gr/100 scf on a 12-month rolling avg.(BACT-PSD SIP)
							Good Combustion Practices and the Use of Pipeline
		4/26/2018, updated				11 /1	Quality Natural Gas with a Maximum Sultur Content of
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	TPM2.5	Auxiliary Boiler (902 mmcf/year)	0.8	lb/hr	0.4 gr/100 sct on a 12-month rolling avg.(BACT-PSD SIP)
		4/26/2018					Good Combustion Practices and the Use of Pipeline
Need Frances CACT LLC	$VA 0228 (J_{ma}(t))$	4/26/2018, updated		A suiliant Railar (002 mm of (maar)	2.2		Quality Natural Gas with a Maximum Sulfur Content of
Novi Energy - C4G1, LLC	VA-0528 (draft)	11/16/2018	112/02.5	Auxiliary boller (902 minci/ year)	3.3	tons/year 12-month rolling total	The Lies of Bineline Quality Natural Cas with a
							Maximum Sulfur Content of 0.4 or (100 oct on a 12 month)
		4/26/2018 updated					rolling and (Compliance based on compliance with the
Novi Enormy CACT LLC	VA 0228 (draft)	4/20/2018, updated	SON	Auxiliant Boilor (002 mmcf (ucor)	0.0012	1b/MARta	full culture limit) (BACT DSD SID)
Novi Energy - C4G1, LLC	VA-0526 (ulait)	11/10/2018	502	Auxiliary boller (902 fillici/ year)	0.0012	ib/ wiwibitu	The Use of Pipeline Quality Natural Cas with a
							Maximum Sulfur Content of $0.4 \text{ gr}/100 \text{ scf on a 12-month}$
		4/26/2018 updated					rolling avg. (Compliance based on compliance with the
Novi Energy - CACT_LLC	VA-0328 (draft)	11/16/2018	SO2	Auxiliary Boiler (902 mmcf/year)	0.6	tons (year 12-month rolling ava	fuel sulfur limit/(BACT_PSD SIP)
Novi Energy - C4G1, EEC	VA-0526 (diait)	11/10/2010	502	Auxiliary boller (902 lillicity year)	0.0	tons/ year 12-month toning avg	The Use of Pipeline Quality Natural Cas with a
							Maximum Sulfur Content of $0.4 \text{ gr}/100 \text{ scf on a 12 month}$
		4/26/2018 updated	Sulfuric Acid (mist				rolling avg. (Compliance based on compliance with the
Novi Epergy - CACT_LLC	VA-0328 (draft)	11/16/2018	vapors etc)	Auxiliary Boiler (902 mmcf/year)			fuel sulfur content)(BACT-PSD SIP)
Torrently Croi, LLC		4/26/2018_updated		ruxinary bonci (702 miner/year)			
Novi Epergy - CACT_LLC	VA-0328 (draft)	11/16/2018	VOC	Auxiliary Boiler (902 mmcf/year)	0.005	lb/MMBtu	Good Combustion Practices(BACT-PSD SIP)
		4/26/2018_updated		i taxinary bonci (702 miner/ year)	0.005		
Novi Fnergy - C4GT_LLC	VA-0328 (draft)	11/16/2018	VOC	Auxiliary Boiler (902 mmcf/year)	2 2	tons/year 12-month rolling avg	Good Combustion Practices(BACT-PSD SIP)
	(11 0020 (uturt)	4/26/2018_updated		i i i i i i i i i i i i i i i i i i i	2.0	iono, year 12 month ronnig avg	Use of Natural Gas and High Efficiency Design and
Novi Energy - C4GT, LLC	VA-0328 (draft)	11/16/2018	CO2e	Auxiliary Boiler (902 mmcf/year)	53863	tons/year 12-month rolling total	Operation(BACT-PSD SIP)
		-,,+>					

RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler

Unit 49 - Package Boiler

#### Process Code

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
							Good Combustion (Note: Process Type says Refinery
Targa - Channel View Terminal	TX-0835	4/13/2018, updated 2/19/2019	VOC	Crude Process Heaters (100 MMBtu/hr)	0.0013	lb/MMBtu	Flares) (LAER NSPS)
				EUALIVEOILEP (Auxiliany Bailor) (182			Cood Combustion Practices (Catalytic Poduction not
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017, updated 3/8/2018	со	MMBtu/hr)	0.04	lb/MMBtu	economically feasible)(BACT-PSD SIP)
r,, ,, ,, _, , _, ,, ,, , _, ,, ,, , ,, , ,, , , ,							
							LNB that incorporate intern (within the burner) FGR and
	N G 0 407			EUAUXBOILER (Auxiliary Boiler) (182			Good Combustion Practices (70% control efficiency) (SCR
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017, updated 3/8/2018	NOx	MMBtu/hr)	0.04	lb/MMBtu 30 day rolling avg	not economically feasible)(BACT-PSD SIP)
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017, updated 3/8/2018	FPM	MMBtu/hr)	0.005	lb/MMBtu	economically feasible)(BACT-PSD)
		, , , , , <u>r</u>		EUAUXBOILER (Auxiliary Boiler) (182			Good Combustion Practices (Add-on controls not
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017, updated 3/8/2018	TPM10	MMBtu/hr)	0.0075	lb/MMBtu	economically feasible)(BACT-PSD)
				EUAUXBOILER (Auxiliary Boiler) (182			Good Combustion Practices (Add-on controls not
Filer City Station Limited Partnership - Filer City Station	MI-0427	11/17/2017, updated 3/8/2018	TPM2.5	MMBtu/hr)	0.0075	lb/MMBtu	economically feasible)(BACT-PSD)
Filer City Station Limited Partnershin - Filer City Station	MI-0427	11/17/2017 updated $3/8/2018$	$CO^{2}$	MMBtu/br)	93346	tons /vear 12-month roll time period	Good Compustion Fractices (Add-on controls not
There ety station Emilieu Farmership - There ety station	1011-0427	11/17/2017, updated 3/ 8/ 2018	026		93340	tonsy year 12-month for time period	
		10/20/2017, updated					The Use of gaseous fuel and good combustion practices
Praxiar Inc Praxiar Clear Lake	TX-0830	2/19/2019	СО	HyCO Heater (180 MMBtu/hr)	50	PPMVD@3% O2	(BACT-PSD NSPS)
	TTV 0000	10/20/2017, updated					Annual tune ups. Emissions are based on a plantwide
Praxiar Inc Praxiar Clear Lake	TX-0830	2/19/2019	CO2e	HyCO Heater (180 MMBtu/hr)	1148305	tons/year	grouped limit(BACT-PSD NSPS)
		10/19/2017. updated					The Use of gaseous fuel and good combustion
Praxair Inc Praxair Clear Lake Plant	TX-0827	11/2/2017	со	HyCO Heater (180 MMBtu/hr)	50	PPMVD@3% O2	practices(BACT-PSD NSPS)
		10/19/2017, updated					Annual tune ups. Emissions are based on a plantwide
Praxair Inc Praxair Clear Lake Plant	TX-0827	11/2/2017	CO2e	HyCO Heater (180 MMBtu/hr)	1148305	tons/year	grouped limit(BACT-PSD NSPS)
A grium LIC Inc	TV 0814	1/5/2017 (droft)	COlored and the second secon	Deckage Poilog 1 (240 MMPty /by)	122050	have a	Cood Engineering Prostigge
Agrium 03, me	17-0014	1/3/2017 (draft)	C02e		123039		Proper design and good combustion practices at all times
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	-		boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	TPM	012B, EU-012C)	1.9	lb/MMcf 3 hour average	(218.6 MMBtu/hr)
							Proper design and good combustion practices at all times
Miduret Fortilizer Company IIC	INI 0262 (duaft)	3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU-	1077 20	M (of your 12 componenting months)	boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0265 (draft)	//10/1/		012B, EO-012C)	1877.39	Minici per 12 consecutive months	(218.6 MINDTU/ III) Proper design and good combustion practices at all times
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	-		boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	PM10	012B, EU-012C)	7.6	lb/MMcf 3 hour average	(218.6 MMBtu/hr)
							Proper design and good combustion practices at all times
		3/23/17 (draft), updated	DN /10	Natural Gas Auxiliary Boilers (EU-012A, EU-	1055.00		boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	//10/17	PMI0	012B, EU-012C)	1877.39	MMct per 12 consecutive months	(218.6 MMBtu/ nr) Proper design and good combustion practices at all times
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	_		boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	PM2.5	012B, EU-012C)	7.6	lb/MMcf 3 hour average	(218.6 MMBtu/hr)
							Proper design and good combustion practices at all times
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU-	-		boilers are in operation, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	PM2.5	012B, EU-012C)	1877.39	MMct per 12 consecutive months	(218.6 MMBtu/hr)
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	_		combustion practices, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	NOx	012B, EU-012C)	20.4	lb/MMcf 3 hour average	(218.6 MMBtu/hr)
						~	Low NOx burners with flue gas recirculation and good
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	-		combustion practices, must only combust natural gas
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	NOx	012B, EU-012C)	1877.39	MMct per 12 consecutive months	(218.6 MMBtu/hr) Cood combustion practices at all times beilers are in
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU			operation, must only combust natural gas (218.6
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	со	012B, EU-012C)	37.22	lb/MMcf 3 hour average	MMBtu/hr)

RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler

Unit 49 - Package Boiler

Process Code	Facility 1
	Midwes

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
							Good combustion practices at all times boilers are in
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	J-		operation, must only combust natural gas (218.6
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	CO	012B, EU-012C)	1877.39	MMcf per 12 consecutive months	MMBtu/hr)
							Good combustion practices at all times boilers are in
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	J-		operation, must only combust natural gas (218.6
Midwest Fertilizer Company LLC	IN-0263 (draft)	7/10/17	VOC	012B, EU-012C)	5.5	lb/MMcf 3 hour average	MMBtu/hr)
<b>1</b>						,	Good combustion practices at all times boilers are in
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	J		operation, must only combust natural gas (218.6
Midwest Fertilizer Company II C	IN-0263 (draft)	7/10/17	VOC	012B FLI-012C)	1877 30	MMcf per 12 consecutive months	MMBtu/hr)
whowest retuinzer company LLC		//10/17	VOC	0120, 10 0120)	1077.57		Cood combustion practices at all times boilers are in
		2/22/17 (draft) undated		Natural Cas Auxiliany Bailons (EU 012 A EU	т		experiences at an times boliers are in
	INI 02(2 (1-1))	5/25/17 (drait), updated	$\sim$	Natural Gas Auxiliary Dollers (EO-012A, EO	F0 (1		MARIN (ha)
Midwest Fertilizer Company LLC	IIN-0263 (draft)	//10/1/	02	012B, EU-012C)	59.61	ton/ MMct 3 hour average	MMBtu/nr)
							Good combustion practices at all times boilers are in
							operation, must only combust natural gas, shall be
							designed to achieve a minimum 80% thermal efficiency
							limit, each shall be equipped with the energy efficiency
							design features (1) air inlet controls, (2) heat recovery, (3)
		3/23/17 (draft), updated		Natural Gas Auxiliary Boilers (EU-012A, EU	J.		condensate recovery, (4) blow down heat recovery (218.6
Midwest Fertilizer Company II C	IN-0263 (draft)	7/10/17	$co^{2}$	012B_FLI-012C)	1877 30	MMcf per 12 consecutive months	MMBtu/hr)
Indeck Niles, LLC	ML-0423 (draft)	1/4/2017 $7/25/17$ update	CO	ELIALIYBOILER (Auviliary Boiler)	1077.52	lh/MMBtu Test protocol will specify avg time	SIP - Cood combustion practices (182 MMBtu / hr)
indeck Miles, LLC	WII-0425 (urait)	1/4/2017,7/25/17 update	0	ECACADOILER (Auxiliary Doller)	0.04	illy wiwiblu test protocol will specify avg time	NERC SIR Law NOv burners /Eluc and regingulation and
			NO		0.04		$1 \times 1 \times$
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	NOX	EUAUXBOILER (Auxiliary Boiler)	0.04	Ib/ MMBtu 30-day rolling avg time period	good combustion practices. (182 MMBtu/hr)
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	FPM	EUAUXBOILER (Auxiliary Boiler)	0.005	lb/MMBtu Test protocol will specify avg time	Good combustion practices (182 MMBtu/hr)
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	TPM10	EUAUXBOILER (Auxiliary Boiler)	1.36	lb/hr hourly, test protocol	SIP - Good combustion practices (182 MMBtu/hr)
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	TPM2.5	EUAUXBOILER (Auxiliary Boiler)	1.36	lb/hr hourly, test protocol	Good combustion practices (182 MMBtu/hr)
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	VOC	EUAUXBOILER (Auxiliary Boiler)	0.004	lb/MMBtu Test protocol will specify avg time	Good combustion practices (182 MMBtu/hr)
							Good combustion practices and the use of pipeline
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	SO2	EUAUXBOILER (Auxiliary Boiler)	0.6	lb/MMscf Based on Fuel Receipt Records	guality natural gas (182 MMBtu/hr)
· · · · · ·						· · · · · · · · · · · · · · · · · · ·	NSPS, SIP - Good combustion practices and the use of
							pipeline quality patural gas (2,000 grains of sulfur per
							MMscf. The natural gas material limit of 2 000 grains of
							with set. The natural gas matchai mint of 2,000 grants of
			<b>CO1</b>		2000		(102) M (B) $(1)$
Indeck Miles, LLC	MII-0423 (draft)	1/4/2017, 7/25/17 update	502	EUAUXBOILER (Auxiliary Boller)	2000	gr/ MMScf based upon Fuel Receipts	upon) (182 MMBtu/ nr)
							Energy efficiency measures and the use of a low carbon
Indeck Niles, LLC	MI-0423 (draft)	1/4/2017, 7/25/17 update	CO2e	EUAUXBOILER (Auxiliary Boiler)	93346	tpy 12-month rolling time period	fuel (pipeline quality natural gas). (182 MMBtu/hr)
							NSPS Db - Best combustion practices (2 boilers - 223
Rextac, LLC - Odessa Petrochemical Plant	TX-0813 (draft)	11/22/2016, 12/1/16 update	VOC	Boilers	0.0005	lb/MMBtu	Mmbtu/hr)
							MACT DDDDD - Minimul thermal design efficiency of
Rextac, LLC - Odessa Petrochemical Plant	TX-0813 (draft)	11/22/2016, 12/1/16 update	CO2e	Boilers	63796	tpv	75%
							Good engineering design and proper operation
Laka Charles Mothanal, LLC	I A 0305	6/30/16 $4/26/17$ update	PM10	Auvilian Boilers and Superheaters	No Numeric Limit	No Numorie Limit	(Supplement fuel: fuel gas Beilers: 225 MM BTU/hr each)
	LA-0303	0/ 50/ 10, 4/ 20/ 17 update	1 10110	Auxiliary bollers and Superheaters			(Supplement fuel, fuel gas bollers, 225 why bit 07 fil each)
							Good engineering design and proper operation
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	PM2.5	Auxiliary Boilers and Superheaters	No Numeric Limit	No Numeric Limit	(Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each)
							Fuel gases and/or pipeline quality natural gas
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	SO2	Auxiliary Boilers and Superheaters	No Numeric Limit	No Numeric Limit	(Supplement fuel: fuel gas Boilers: 225 MM BTU/hr each)
						lbs/MMBtu 30 rolling avg, except SCR, SU or	SCR (Supplement fuel: fuel gas Boilers: 225 MM BTU/hr
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	NOx	Auxiliary Boilers and Superheaters	0.015	Maint	each)
		,, -, -,, ap ance			0.010		· · · · · · · · · · · · · · · · · · ·
							Good engineering design and good combustion practices
Lake Charles Metheral, LLC	I A 0205	6/30/16 1/26/17 undata	60	Auviliant Bailon and Current actors	No Numoria Lineit	No Numeric Limit	(Supplement fuel fuel and Boilows 225 MM PTU/hr as th)
	LA-0303	0/ 50/ 10, 4/ 20/ 17 upuale		Auxiliary bollers and Superheaters	ino mumeric Limit		(Supplement ruei, ruei gas bollers, 225 Wiwi DTO/ IIr each)
							Good equipment design and good combustion practices
Lake Charles Methanol, LLC	LA-0305	6/30/16, 4/26/17 update	CO2e	Auxiliary Boilers and Superheaters	No Numeric Limit	No Numeric Limit	(Supplement tuel: tuel gas Boilers: 225 MM BTU/hr each)

**RBLC Search Summary** 

Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler

Unit 49 - Package Boiler

#### Process Code

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
						Good combustion/operating/maintenance practices and
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	CO2e	Auxiliary Boilers	No Numeric Limit No Numeric Limit	fueled by natural gas $(171 \text{ MMBtu/hr})$
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	TPM10	Auxiliary Boilers	No Numeric Limit No Numeric Limit	Good combustion practices (171 MMBtu/hr)
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	TPM2.5	Auxiliary Boilers	No Numeric Limit No Numeric Limit	Good combustion practices (171 MMBtu/hr)
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	NOx	Auxiliary Boilers	No Numeric Limit No Numeric Limit	Low NOx Burners (171 MMBtu/hr)
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	СО	Auxiliary Boilers	No Numeric Limit No Numeric Limit	Good combustion practices (171 MMBtu/hr)
Magnolia LNG Facility	LA-0307	3/21/16, 4/28/17 update	VOC	Auxiliary Boilers	No Numeric Limit No Numeric Limit	Good combustion practices (171 MMBtu/hr)
······································		-, , -, , -, - <u>r</u>				Good combustion design and practices (450 MMBtu/hr
Tennessee Valley Authority	TN-0162 (draft)	4/19/16, 5/19/16 update	TPM	Two Natural Gas-Fired Auxiliary Boilers	0.008 lb/MMBtu	each)
						NSPS - Good combustion practices. Total fuel usage of
Tenaska PA Partners LLC - Tenaska PA				245 MMBtu natural gas fired Auxiliary		the auxiliary boiler shall not exceed 1052 MMsch/yr on a
Partners/Westmoreland Gen Fac	PA-0306 (draft)	2/12/16, $7/12/17$ update	TPM2.5	boiler	0.0075 lb/MMBtu 3 hr avg	12-month rolling basis.
			111112.0			NSPS - Good combustion practices Total fuel usage of
Tenaska PA Partners LLC - Tenaska PA				245 MMBtu natural gas fired Auxiliary		the auxiliary boiler shall not exceed 1052 MMsch/yr on a
Partners/Westmoreland Gen Fac	PA-0306 (draft)	2/12/16 $7/12/17$ update	TPM2 5	boiler	4 t:py	12-month rolling basis
	1 A-0500 (drait)	2/12/10,7/12/17 update	11 1/12.0		4 t,py	NSPS - Cood combustion practices. Total fuel usage of
Topaska PA Partners LLC Topaska PA			Sulfuria Acid (mist	245 MMBty potymol gos fined Appeilions		the auxiliary bailer shall not avgoed 1052 MMach (ur on a
Perte are (Wester ovelaged Con Fac	D = 020((1-4))	2/12/1(-7/12/17) and the	Sulfuric Acia (mist,	heiler	0.0040	12 month rolling hosis
Partners/ westmoreland Gen Fac	PA-0306 (draft)	2/12/16, //12/17 update	vapors, etc)	boller	0.0049 t;py	12-month folling basis.
						Good combustion practices. Total fuel usage of the
Tenaska PA Partners LLC - Tenaska PA				245 MMBtu natural gas fired Auxiliary		auxiliary boiler shall not exceed 1052 MMsch/yr on a 12-
Partners/Westmoreland Gen Fac	PA-0306 (draft)	2/12/16, 7/12/17 update	VOC	boiler	0.0054 lb/ MMBtu	month rolling basis.
						Good combustion practices. Total fuel usage of the
Tenaska PA Partners LLC - Tenaska PA			NOC	245 MMBtu natural gas fired Auxiliary		auxiliary boiler shall not exceed 1052 MMsch/yr on a 12-
Partners/Westmoreland Gen Fac	PA-0306 (draft)	2/12/16,7/12/17 update	VOC	boiler	2.89 t;py	month rolling basis.
American Municipal Power Concrating Station	OH-0310	10/8/2009		Auviliary Boiler	12.6 lbc/br	Unknown
American Municipal Power Concrating Station	OH-0310	10/8/2009		Auxiliary Boiler	5.52 tons /war par rolling 12 months	Unknown
American Municipal Power Concepting Station	OH 0310	10/8/2009		Auxiliary Boiler	21 lbs /br	Unknown
American Municipal Power Concrating Station	OH 0210	10/8/2009		Auxiliary Boiler	0.2 tons /was not ralling 12 months	Unknown
American Municipal Power Generating Station	OH 0210	10/8/2009	DM10	Auxiliary Boiler	1.14 lbc /br	Unknown
American Municipal Power Generating Station	OII-0310	10/8/2009	DM10	Auxiliary Doller	$\frac{1.14 \text{ IDS/ III}}{0.5 \text{ torse/many new relling 12 months}}$	
American Municipal Power Generating Station	ОП-0310	10/8/2009		Auxiliary Doller	0.00 lbs / year per rolling 12 months	
American Municipal Power Generating Station	OH-0310	10/8/2009	1502 NGO2	Auxiliary Boiler	0.09 lbs/ hr	
American Municipal Power Generating Station	OH-0310	10/8/2009	502	Auxiliary Boiler	0.04 tons/ year per rolling 12 months	Unknown
American Municipal Power Generating Station	OH-0310	10/8/2009	Visible Emission	Auxiliary Boiler	10 % opacity as a 6 minute average	Unknown
American Municipal Power Generating Station	OH-0310	10/8/2009	VOC	Auxiliary Boiler	0.83 lbs/hr	Unknown
American Municipal Power Generating Station	OH-0310	10/8/2009	VOC	Auxiliary Boiler	0.36 tons/year per rolling 12 months	Unknown
Calpine Construction Finance Co. LP Amella Energy Center	TX-0386	3/26/2002	2 CO	Auxiliary Boiler	13.9 lbs/hr	Unknown
Calpine Construction Finance Co. LP Amella Energy Center	TX-0386	3/26/2002	CO	Auxiliary Boiler	0.08 lb/MMBtu	Unknown
Calpine Construction Finance Co. LP Amella Energy Center	TX-0386	3/26/2002	H2SO4	Auxiliary Boiler	0.129 lbs/hr	Unknown
Calpine Turner Energy Center, LLC	OR-0046	1/6/2005	5 PM10	Auxiliary Boiler	No numeric limit No numeric limit	use of natural gas
Calpine Turner Energy Center, LLC	OR-0046	1/6/2005	VOC	Auxiliary Boiler	0.0044 lb/MMBtu 3-hr block	Oxidation Catalyst
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CH4	Boilers	0.0023 lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	CH4	Auxiliary Boiler	0.0023 lb/MMBtu average of 3 stack tests	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO	Boilers	0.0013 lb/MMBtu average of 3 stack tests	oxidation catalyst
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO	Boilers	2.6 tpy rolling 12 month total	oxidation catalyst
Iowa Fertilizer Company	IA-0105	10/26/2012	CO	Auxiliary Boiler	0.0013 lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	CO	Auxiliary Boiler	0.57 tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/26/2013	CO	Natural gas fired boilers	37.22 lb/MMcf 3 hour average	proper burning design, good combustion practices
Rocky Mountain Energy Center, LLC	CO-0052	8/11/2002	CO	Auxiliary Boiler	0.039 lb/MMBtu	Good combustion control practices
Rocky Mountain Energy Center, LLC	CO-0052	8/11/2002	CO	Auxiliary Boiler	70% Reduction	Good combustion control practices
Southeast Idaho Energy, LLC Power County Advanced Energy	y (ID-0017	2/10/2009	СО	250 MMBTU/H package boiler	0.074 lb/MMBtu	Good combustion practices
Southeast Idaho Energy, LLC Power County Advanced Energy	y (ID-0017	2/10/2009	СО	250 MMBTU/H package boiler	18.5 lb/hr	Good combustion practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	CO2	Boilers	117 lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	CO2	Auxiliary Boiler	117 lb/MMBtu rolling 30 dav average	Good Combustion Practices
± ✓		, ,			, 0, 0	· · · · · · · · · · · · · · · · · · ·

KNO Restart
RBLC Search Summary
Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu))
Unit 44 - Package Boiler
Unit 48 - Package Boiler
Unit 49 - Package Boiler

#### Process Code

Eacility Name		Pormit Issue Data	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
Obio Vallov Resources LLC	TBD	9/26/2013		Natural gas fired boilers	EIIIISSIOII LIIIII 50.61	top /MMcf 3 hour average	proper burning decign, good combustion practices
CE Industries Nitrogen LLC	I DD I A_0106	7/12/2013	$CO_2^{\circ}$	Boilors	23/168	tory rolling 12 month total	proper operation and use of natural das
Forsyth Energy Projects LLC Forsyth Energy Plant	NC-0101	9/29/2015	CO	Auxiliary Boiler	9.08	lbs/br based on 3-br average	I ow-NOx Burners, good combustion control and clean bu
Forsyth Energy Projects, LLC Forsyth Energy Plant	NC-0101	9/29/2005	NOx	Auxiliary Boiler	15.00	lbs/hr based on 3-hr average	Low-NOx Burners, good combustion control and clean bu
Forsyth Energy Projects, LLC Forsyth Energy Plant	NC-0101	9/29/2005	PM10	Auxiliary Boiler	0.82	lbs/hr based on 3-hr average	Low-NOx Burners, good combustion control and clean bu
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Auxiliary Boiler	0.02	lb/MMBtu rolling 30 day average	LNB and FGR
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Auxiliary Boiler	5.52	tons/year rolling 12 month total	LNB and FGR
Ohio Valley Resources, LLC	TBD	9/26/2013	NOx	Natural gas fired boilers	20.4	lb/MMcf 24 hour average	Ultra Low NOx Burners and Flue Gas Recirculation
	100	,, 20, 2010			20.1		Operation is limited to 1900 hr/yr. Low NOx combustion
Rocky Mountain Energy Center, LLC	CO-0052	8/11/2002	NOx	Auxiliary Boiler	0.038	lb/MMBtu	system.
					0.000		Operation is limited to 1900 hr/yr. Low NOx combustion
Rocky Mountain Energy Center, LLC.	CO-0052	8/11/2002	NOx	Auxiliary Boiler	80%	Reduction	system.
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	NOx	250 MMBTU/H package boiler	0.02	lb/MMBtu	Low-NOx Burners and FGR
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	NOx	250 MMBTU/H package boiler	5	lb/hr	Low-NOx Burners and FGR
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Boilers	0.0024	lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Boilers	4.79	tpy rolling 12 month total	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Auxiliary Boiler	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Auxiliary Boiler	1.06	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/26/2013	PM	Natural gas fired boilers	1.9	lb/MMcf 3 hour average	proper burning design, good combustion practices
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	PM	250 MMBTU/H package boiler	0.0052	lb/MMBtu	Good Combustion Practices
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	PM	250 MMBTU/H package boiler	1.3	lbs/hr	Good Combustion Practices
Liberty Generating Station	NI-0043	3/28/2002	CO	Auxiliary Boiler	100	ppmvd @ 7% O2	CO catalyst
Liberty Generating Station	NJ-0043	3/28/2002	CO	Auxiliary Boiler	17.4	lb/hr	CO catalyst
Liberty Generating Station	NJ-0043	3/28/2002	NOx	Auxiliary Boiler	0.2	lb/MMBtu	SCR
Liberty Generating Station	NJ-0043	3/28/2002	NOx	Auxiliary Boiler	7.2	lbs/hr	SCR
Liberty Generating Station	NJ-0043	3/28/2002	PM	Auxiliary Boiler	1.6	lb/hr	unknown
Liberty Generating Station	NJ-0043	3/28/2002	PM	Auxiliary Boiler	0.008	lb/MMBtu	Unknown
Liberty Generating Station	NJ-0043	3/28/2002	PM10	Auxiliary Boiler	1.6	lb/hr	unknown
Liberty Generating Station	NJ-0043	3/28/2002	PM10	Auxiliary Boiler	0.008	lb/MMBtu	Unknown
Liberty Generating Station	NJ-0043	3/28/2002	SO2	Auxiliary Boiler	0.004	lb/MMBtu	None
Liberty Generating Station	NJ-0043	3/28/2002	SO2	Auxiliary Boiler	0.8	lbs/hr	None
Liberty Generating Station	NJ-0043	3/28/2002	VOC	Auxiliary Boiler	50	ppmvd @7% O2	CO catalyst
Liberty Generating Station	NJ-0043	3/28/2002	VOC	Auxiliary Boiler	1.6	lbs/hr	CO catalyst
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	PM	250 MMBTU/H package boiler	20%	Reduction	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Boilers	0.0024	lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Boilers	4.79	tpy rolling 12 month total	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Auxiliary Boiler	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Some facilities are not shown because they are not fertilizer proc	IA-0105	10/26/2012	PM10	Auxiliary Boiler	1.06	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/26/2013	PM10	Natural gas fired boilers	7.6	lb/MMcf 3 hour average	proper burning design, good combustion practices
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	PM10	250 MMBTU/H package boiler	0.0052	lb/MMBtu	Good Combustion Practices
Southeast Idaho Energy, LLC Power County Advanced Energy	ID-0017	2/10/2009	PM10	250 MMBTU/H package boiler	1.3	lbs/hr	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Boilers	0.0024	lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Boilers	4.79	tpy rolling 12 month total	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Auxiliary Boiler	0.0024	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Auxiliary Boiler	1.06	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/26/2013	PM2.5	Natural gas fired boilers	7.6	lb/MMcf 3 hour average	proper burning design, good combustion practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emission	Boilers	0	%	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emission	Auxiliary Boiler	0	% opacity	Good Combustion Practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Boilers	0.0014	lb/MMBtu average of 3 stack tests	proper operation and use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	VOC	Boilers	2.8	tpy rolling 12 month total	proper operation and use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Auxiliary Boiler	0.0014	lb/MMBtu average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Auxiliary Boiler	0.62	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/26/2013	VOC	Natural gas fired boilers	5.5	lb/MMcf 3 hour average	proper burning design, good combustion practices
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	NOx	WCR Heater	0.03	lb/MMBtu	Unknown
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	IPM	Heaters	0.005	Ib/MMBtu	Unknown
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	IPM	Heater, Reboiler	0.005	lb/MMBtu	Unknown
Williams Retining & Marketing, L.L.C.	TN-0153	4/3/2002	IPM	WCR Heater	0.005	Ib/MMBtu	Unknown
Williams Refining & Marketing, L.L.C.	1N-0153	4/3/2002	PM	CCR Reactor	0.005	Ib/MMBtu	Unknown

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers and heaters >100 MMBtu/hr Included. (Process Type 12.31 (>100 MMBtu) and 11.31 (>250 MMBtu)) Unit 44 - Package Boiler Unit 48 - Package Boiler Unit 49 - Package Boiler

CodeFacility NameRBLC IDPermit Issue DatePollutantProcess NameEmission LimitEmission Limit UnitsBACT Determination	Process								
	Code	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times. Some facilities are not shown because they are not fertilizer production facilities. These units are not directly comparable because they are not natural gas fired.

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	ammonia storage flare EU-016	0.007	5 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	ammonia storage flare EU-016	16	8 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	ammonia storage flare EU-016	16	8 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	ammonia storage flare EU-016	0.007	5 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	ammonia storage flare EU-016	16	8 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	ammonia storage flare EU-016	0.06	8 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	ammonia storage flare EU-016	16	8 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	ammonia storage flare EU-016	0.3	7 HK/YK, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN_0324	5/6/2022 VOC	ammonia storage flare EU-016	0.005	4 LR/MARTIL DUDING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 (OC	ammonia storage flare EU-016	0.005	3 LB/MMBTU DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	ammonia storage flare FU-016	16	8 HR/YR TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEET EEDTH IZER COMPANY LLC	*INI 0224	5/6/2022 DM10	Eront End Eloro ELL 017	0.007		The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flares shall be continuously monitored to accurate the presence of a pilot flame with a thermocouple infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	"IIN-0324	5/ 6/ 2022 PM10	Front End Flare EU 017	0.007		assure the presence of a phot name with a thermocouple, infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flares shall be continuously monitored to assure the presence of a pilot flame with a thermocouple, infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Front End Flare EU 017	0.007	5 LB/MMBTU	The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flares shall be continuously monitored to assure the presence of a pilot flame with a thermocouple, infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2 5	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels used shall be natural gas, Flares shall be designed for and operated with no visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours, Flares shall be operated with a flame present at all times, Flares shall be continuously monitored to assure the presence of a pilot flame with a thermocouple, infrared monitor, or other approved device
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Front End Flare EU 017	0.06	8 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Front End Flare EU 017	0.3	7 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Front End Flare EU 017	0.005	4 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Front End Flare EU 017	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Front End Flare EU 017	116.8	9 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Back End Flare EU-018	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Back End Flare EU-018	0.007	5 LB/ MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Back End Flare EU-018	0.007	6 HK/YK, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Back End Flare EU-018	33	6 HR/YR TWEI VE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Back End Flare EU-018	0.06	8 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Back End Flare EU-018	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Back End Flare EU-018	0.3	7 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Back End Flare EU-018	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Back End Flare EU-018	0.005	4 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Back End Flare EU-018	33	6 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Back End Flare EU-018	116.8	9 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Discontinuous Urea Flare EU-DUF	24	0 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IIN-0324	5/6/2022 PM10	Discontinuous Urea Flare EU-DUF	0.007	5 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	"IIN-U324 *INI 0224	5/6/2022 PM2.5	Discontinuous Urea Flare EU-DUF	24	UITK/ YK, IWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 PM2.5	Discontinuous Urea Flare EU-DUF	0.007	O HR /VR TWEI VE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 NOx	Discontinuous Urea Flare FL-DUF	0.06	8 I B/MMBTU DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Discontinuous Urea Flare EU-DUF	24	0 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO	Discontinuous Urea Flare EU-DUF	0.3	7 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Discontinuous Urea Flare EU-DUF	24	0 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 VOC	Discontinuous Urea Flare EU-DUF	0.005	4 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Discontinuous Urea Flare EU-DUF	24	0 HR/YR, TWELVE CONSECUTIVE MONTH PERIOD	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 CO2e	Discontinuous Urea Flare EU-DUF	116.8	9 LB/MMBTU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM10	Emergency Urea Flare EU-EUF	0.007	5 LB/MMBTU	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 PM2.5	Emergency Urea Flare EU-EUF	0.007	5 LB/MMBTU	The pilot and purge gas tuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IIN-0324	5/6/2022 NOx	Emergency Urea Flare EU-EUF	0.06	8 LEF/MMETU, DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*INL0324	5/6/2022 VOC	Emergency Urea Flare EU-EUF	0.3	A LEAMMETTE DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
MIDWEST FERTILIZER COMPANY LLC	*IN-0324	5/6/2022 000	Emergency Urea Flare FULFUE	116 8	9 LB/MMBTU DURING NORMAL OPERATION	The pilot and purge gas fuels shall be natural gas
				110.0		
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CH4	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas



#### KNO Restart RBLC Search Summary Search: "Flare" - Fertilizer Plants only Unit 11 - Ammonia Tank Flare

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Front End Process Flare	0.37	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
		0 (25 (2012) 00				
Ohio Valley Resources, LLC	IBD	9/25/2013 CO	Front End Process Flare	3240.16	lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Obio Valley Resources, LLC	TBD	9/25/2013 CO	Back end ammonia process vent flare	0.37	/ 1b/MMBtu 3 hour average	Proper flare design and good combustion practices: and process flaring minimization practices
Onto valley Resources, ELC		37 207 2010 CO	back end animonia process vent nare	0.37	ib/ wiwible 5 flour average	Troper nucle design and good combastion practices, and process naming minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Back end ammonia process vent flare	804.76	blb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 CO	Process Flare	No Numeric Limit	No Numeric Limit	Good combustion practices. Meet 40 CFR 60.18
United Wisconsin Grain Producers UWGP - Fuel Grade Ethanol Plant	WI-0204	8/14/2003 CO	Bypass Flare, Biomethanator	2.4	l lbs/hr	Operation Limit: No more than 5040 hr/yr
Ohio Valley Resources, LLC	TBD	9/25/2013 CO	Ammonia Storage Flare	0.37	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 CO	Ammonia Storage Flare	No Numeric Limit	No Numeric Limit	Good combustion practices. Meet 40 CFR 60.18
Iowa Fertilizer Company	IA-0105	10/26/2012 CO2	Ammonia Flare	No Numeric Limit	No Numeric Limit	Work Practice/Good Combustion Practices
	TPD	0 (25 (2012) CO2		F11.0	1	Dramon flows design and good combustion practices, and process flowing minimization procession
Onio valley Resources, LLC	IDD	9/25/2013 CO2	Front End Process Flare	511.8	ton/ hr 3 hour average	Proper hare design and good combustion practices; and process haring minimization practices
Obio Valley Resources, LLC	TBD	9/25/2013 CO2	Front End Process Flare	116.89	lb/MMBtu 3 hour average	Proper flare design and good combustion practices: and process flaring minimization practices
Ono vancy resources, Ele		77 207 2010 002		110.07	10/ Willinda 9 Hour average	Troper nure design und good combustion practices, and process naming minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 CO2	Back end ammonia process vent flare	116.89	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
					,	
Ohio Valley Resources, LLC	TBD	9/25/2013 CO2	Ammonia Storage Flare	52.02	lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO2e	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 CO2e	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 N2O	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas
Iowa Fertilizer Company	IA-0105	10/26/2012 N2O	Ammonia Flare	No Numeric Limit	No Numeric Limit	Work Practice/Good Combustion Practices
Degussa Engineered Carbons Inc. Borger Carbon Black Plant	TX-0436	10/3/2002 NOx	Dryers, Boilers, Flare	0.1	lb/MMBtu	Good combustion practices and design
Iowa Fertilizer Company	IA-0105	10/26/2012 NOx	Ammonia Flare	No Numeric Limit	No Numeric Limit	Work Practice/Good Combustion Practices
	TIDD	0 / 25 / 2012 N 20		0.070		
Ohio Valley Resources, LLC	IBD	9/25/2013 NOx	Front End Process Flare	0.068	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Obio Valley Pasoureos, LLC	TBD	9/25/2013 NIOY	Eront End Process Flore	505 47	1 h/hr 2 hour average	Proper flare design and good combustion practices: and process flaring minimization practices
Onto vaney Resources, ELC		)/23/2013 NOX		595.47	10/111 5 Hour average	Troper hare design and good combustion practices, and process haring minimization practices
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Back end ammonia process vent flare	0.068	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
				0.000		
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Back end ammonia process vent flare	624.94	lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 NOx	Process Flare	No Numeric Limit	No Numeric Limit	Good combustion practices. Meet 40 CFR 60.19
Ohio Valley Resources, LLC	TBD	9/25/2013 NOx	Ammonia Storage Flare	0.068	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Ohio Valley Resources, LLC	TBD ID 0017	9/25/2013 NOx	Ammonia Storage Flare	125	lb/hr 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 NOx	Ammonia Storage Flare	No Numeric Limit	No Numeric Limit	Good combustion practices. Meet 40 CFR 60.19
CF Industries Nitrogen, LLC	IA-0106	7/12/2013 PM	Flares	No Numeric Limit	No Numeric Limit	Good operating practices & use of natural gas
Obio Vallou Pasaurasa, LLC	TBD	9/25/2013 DM	Ammonia Storago Elaro	0.0010	16/MARty 2 hour avorage	Proper flare design and good combustion practices: and process flaring minimization practices
Ono vaney Resources, LLC	IDD	57 257 2013 T W		0.0019	10/ Wiviblu 5 flour average	Smokeless flare. Air or steam-assist only if unassisted flare produces smoke. Good combustion
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 PM	Ammonia Storage Flare	No Numeric Limit	No Numeric Limit	practices. Meet 40 CFR 60.21
Sources fauto Energy, Ele Fower County Havaneed Energy Center						
Ohio Vallev Resources, LLC	TBD	9/25/2013 PM10	Ammonia Storage Flare	0.0075	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
			0			Smokeless flare. Air or steam-assist only if unassisted flare produces smoke. Good combustion
Southeast Idaho Energy, LLC Power County Advanced Energy Center	ID-0017	2/10/2009 PM10	Ammonia Storage Flare	No Numeric Limit	No Numeric Limit	practices. Meet 40 CFR 60.21
Ohio Valley Resources, LLC	TBD	9/25/2013 PM2.5	Ammonia Storage Flare	0.0075	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices
Iowa Fertilizer Company	IA-0105	10/26/2012 Visible Emissions	Ammonia Flare	0	0 %	Work Practice/Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013 VOC	Ammonia Storage Flare	0.0054	lb/MMBtu 3 hour average	Proper flare design and good combustion practices; and process flaring minimization practices

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.



KNO Restart RBLC Search Summary Search: "Urea" - All Results Included Unit 47 - Urea Loading Unit 47a - Urea Transfer Unit 47b - Urea Transfer Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	<b>BACT Determination</b>
				Granulated Urea Transfer			
PALLAS NITROGEN LLC	OH-0368	04/19/2017	Filterable PM	Points with bin vents (P901)	0.005	GR/DSCF	Bin Vent Filter
Midwest Fertilizer Company				Truck and Rail Loading			Baghouse (4800 metric
LLC	IN-0263	3/23/17 (draft)	PM	Operation (EU-021A)	0.15	lb/hr 3 hour average	ton/day)
Midwest Fertilizer Company				Truck and Rail Loading			Baghouse (4800 metric
LLC	IN-0263	3/23/17 (draft)	PM10	Operation (EU-021A)	0.15	lb/hr 3 hour average	ton/day)
Midwest Fertilizer Company				Truck and Rail Loading		-	Baghouse (4800 metric
LLC	IN-0263	3/23/17 (draft)	PM2.5	Operation (EU-021A)	0.15	lb/hr 3 hour average	ton/day)
						•	
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Urea Loading	0.003	lb/ton average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM	Urea Loading	5.48	tpy rolling 12 month total	Bin Vent Filter
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Granulated Urea Transfer	0.005	gr/dscf average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Urea Loading	0.0011	lb/ton average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM10	Urea Loading	2.01	tpy rolling 12 month total	Bin Vent Filter
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Granulated Urea Transfer	0.005	gr/dscf average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Urea Loading	0.0011	lb/ton average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	PM2.5	Urea Loading	1.97	tpy rolling 12 month total	Bin Vent Filter
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Granulated Urea Transfer	0.0013	gr/dscf average of 3 stack tests	Bin Vent Filter
CF Industries Nitrogen, LLC	IA-0106	7/12/2013	Visible Emissions	Urea Loading	0	%	Bin Vent Filter
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emissions	Granulated Urea Transfer	0	% opacity	Bin Vent Filter

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

Red = updated in 2022							
Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
NORFOLK NAVAL SHIPYARD	VA-0333	12/9/2020	CO2e	Two (2) turbines - HRSG	117.1	l lb/MMBtu	use of low carbon fuel and efficient power generation.
NORFOLK NAVAL SHIPYARD	VA-0333	12/9/2020	TPM10	Two (2) turbines - HRSG	0.011	l lb/MMBtu	
NORFOLK NAVAL SHIPYARD	VA-0333	12/9/2020	TPM2.5	Two (2) turbines - HRSG	0.011	l lb/MMBtu	
SABINE PASS LNG TERMINAL	LA-0375	9/17/2020	СО	Generator Turbines	25	ppm @ 15%O2 AT ALL LOAD	Good combustion practices and use od clean natural gas
SABINE PASS LNG TERMINAL	LA-0375	9/17/2020	NOx	Generator Turbines	150	ppm @ 15%O2 AND < 75% LOAD	Dry Low NOx and good combustion practices
				Solar Titan 130 Gas Turbine with Unfired HRSG (3-08-FOT			Dry low NOx combustor (SoLoNOx) and good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques (159.46 MM BTU/HR) (Output power at generator: 14.117 MW) Turbine is subject to 40 CFR 60 Subpart KKKK. Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/2016	NOx		14.25	blb/hr hourly maximum	proper operation of the emissions unit
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/2016	NOx	Solar Titan 130 Gas Turbine with Unfired HRSG (3-08, EQT 323)	15	5 ppmv @ 15% O2 Annual Average	Dry low NOx combustor (SoLoNOx) and good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques (159.46 MM BTU/HR) (Output power at generator: 14.117 MW) Turbine is subject to 40 CFR 60 Subpart KKKK. Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emissions unit.
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/2016	VOC	Solar Titan 130 Gas Turbine with Unfired HRSG (3-08, EQT 323)	1.64	1 lb/hr hourly maximum	Good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques consistent with the manufacturer's recommendations to maximize fuel efficiency and minize emissions. (159.46 MM BTU/HR) (Output power at generator: 14.117 MW) Turbine is subject to 40 CFR 60 Subpart KKKK. Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emissions unit. PSD permit requires an annual stack test for VOC. If VOC < 75% of the permit limit, the frequency of the testing may be reduced to once every 2 years. If result of any subsequent test exceeds 75% of the permit limit, resume annual testing.
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/2016	VOC	Solar Titan 130 Gas Turbine with Unfired HRSG (3-08, EQT 323)	2.5	5 ppmv @ 15% O2 Annual Average	Good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques consistent with the manufacturer's recommendations to maximize fuel efficiency and minize emissions. (159.46 MM BTU/HR) (Output power at generator: 14.117 MW) Turbine is subject to 40 CFR 60 Subpart KKKK. Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emissions unit. PSD permit requires an annual stack test for VOC. If VOC < 75% of the permit limit, the frequency of the testing may be reduced to once every 2 years. If result of any subsequent test exceeds 75% of the permit limit, resume annual testing.
Matem Limited Partnership - Medical Area Total Energy Plan	MA-0041	7/1/16, 4/28/17 update	NOx	Combustion Turbine with Duct Burner		ppmv @ 15% O2 1-hour block avg/excluding SS - ng 2 firing	NSPS and SIP - Dry Low NOx Combustor & Selective Catalytic Reduction (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). NOx limits are determined as BACT under 310 CMR 7.02(8). NOx(firing NG): ≤0.0074 lb/MMBtu, ≤1.21 lb/hr(no duct firing), ≤1.51 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤36.2 lb per event, during shutdowns (≤1 hr): ≤11.2 lb per event.
Matem Limited Partnership - Medical Area Total Energy Plan	MA-0041	7/1/16, 4/28/17 update	СО	Combustion Turbine with Duct Burner		ppmv @ 15% O2 1-hour block avg/excluding SS - ng 2 firing	SIP - Oxidation Catalyst (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). CO limits are determined as BACT under 310 CMR 7.02(8). CO(firing NG): ≤0.0045 lb/MMBtu, ≤0.74 lb/hr(no duct firing), ≤0.92 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤153.7 lb per event, during shutdowns (≤1 hr): ≤41.6 lb per event.

Wesleyan University

Wesleyan University

Geisinger Medical Center

Geisinger Medical Center

Cutrale Citrus Juices USA Auburndale citrus facility

Cutrale Citrus Juices USA Leesburg citrus facility

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	VOC	Combustion Turbine with Duct Burner	1.	ppmv @ 15% O2 1-hour block avg/excluding SS - ng 7 firing	SIP - Oxidation Catalyst (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). VOC limits are determined as BACT under 310 CMR 7.02(8). VOC as CH4(firing NG): ≤0.0022 lb/MMBtu, ≤0.36 lb/hr(no duct firing), ≤0.45 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤11.4 lb per event, during shutdowns (≤1 hr): ≤3.3 lb per event VOC as CH4.
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	SO2	Combustion Turbine with Duct Burner	0.	ppmv @ 15% O2 1-hour block avg/excluding SS - ng 6 firing	NSPS and SIP - clean fuels - using natural gas as primary fuel (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). SO2 limits are determined as BACT under 310 CMR 7.02(8). SO2(firing NG): ≤0.0029 lb/MMBtu, ≤0.48 lb/hr(no duct firing), ≤0.58 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤1.8 lb per event, during shutdowns (≤1 hr): ≤0.6 lb per event.
Matem Limited Partnership - Medical Area	Total Energy Plan MA-0041	7/1/16, 4/28/17 update	Sulfuric Acid (mist,	Combustion Turbine with Duct Burner	0.	ppmv @ 15% O2 1-hour block avg/excluding SS - ng 4 firing	SIP - clean fuels - using natural gas as primary fuel (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). H2SO4 limits are determined as BACT under 310 CMR 7.02(8). H2SO4(firing NG): ≤0.0029lb/MMBtu, ≤0.47 lb/hr(no duct firing), ≤0.58 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤1.8 lb per event, during shutdowns (≤1 hr): ≤0.6 lb per event.
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	Ammonia (NH3)	Combustion Turbine with Duct Burner		ppmv @ 15% O2 1-hour block avg/excluding SS - ng 2 firing	SIP - no controls listed (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). NH3 limits are determined as BACT under 310 CMR 7.02(8). NH3(firing NG): ≤0.44 lb/hr(no duct firing), ≤0.55 lb/hr(with duct firing); NH3(turbine firing ULSD): ≤0.0029 lb/MMBtu, ≤0.46 lb/hr(no duct firing), ≤0.57 lb/hr(with duct firing).
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	Ammonia (NH3)	Combustion Turbine with Duct Burner	0.002	7 lb/MMBtu 1-hour block avg/excluding SS - ng firing	SIP - no controls listed (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). NH3 limits are determined as BACT under 310 CMR 7.02(8). NH3(firing NG): ≤0.44 lb/hr(no duct firing), ≤0.55 lb/hr(with duct firing); NH3(turbine firing ULSD): ≤0.0029 lb/MMBtu, ≤0.46 lb/hr(no duct firing), ≤0.57 lb/hr(with duct firing).
Matem Limited Partnership - Medical Area	Total Energy Plan MA-0041	7/1/16, 4/28/17 update	TPM10	Combustion Turbine with Duct Burner	0.0	12 lb/MMBtu 1-hour block avg/excluding SS - ng firing	SIP - no controls listed (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). PM10(firing NG): ≤3.29 lb/hr(no duct firing), ≤4.07 lb/hr(with duct firing); during start-ups (≤3 hrs): ≤12.2 lb per event, during shutdowns (≤1 hr): ≤4.1 lb per event.
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	TPM2.5	Combustion Turbine with Duct Burner	0.0	2 lb/MMBtu 1-hour block avg/excluding SS - ng firing	SIP - no controls listed (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). PM2.5(firing NG): $\leq$ 3.29 lb/hr(no duct firing), $\leq$ 4.07 lb/hr(with duct firing); during start-ups ( $\leq$ 3 hrs): $\leq$ 12.2 lb per event, during shutdowns ( $\leq$ 1 hr): $\leq$ 4.1 lb per event.
Matem Limited Partnership - Medical Area	Total Energy PlantMA-0041	7/1/16, 4/28/17 update	CO2e	Combustion Turbine with Duct Burner	11	9 lb/MMBtu 1-hour block avg/excluding SS - ng firing	SIP - no controls listed (a nominal 14.4 Megawatt (MW) Solar Titan 130 Combustion Turbine Generator (164.6MMBtu/hr for NG firing(also permitted to burn fuel oil as backup)) with Heat Recovery Steam Generator including a Duct Burner) (38.8MMBtu/hr NG firing only). CO2e(firing NG): ≤19,584 lb/hr(no duct firing), ≤24,200 lb/hr(with duct firing).
Weslevan University	CT-0155	8/27/200	08 CO	2.4 MW natural gas fired cogeneration facility	0.4	8 G/B-HP-H short term emission limit	oxidation catalyst
Wesleyan University	CT-0155	8/27/200	08 CO	2.4 MW natural gas fired cogeneration facility	15.5	1 tpy annual emission limit	oxidation catalyst
Geisinger Medical Center	PA-0289	6/18/201	10 CO	Combined heat and power combustion turbine	2	5 ppm @ 15% O2 in solonox mode	Unknown
Geisinger Medical Center	PA-0289	6/18/20	10 CO	Combined heat and power combustion turbine	10	0 ppm @ 15% O2 in non solonox mode	Unknown
Geisinger Medical Center	PA-0289	6/18/20	10 Formaldehyde	Combined heat and power combustion turbine	0.002	9llb/MMBtu	Unknown

8/27/2008 NOx

8/27/2008 NOx

6/12/2008 NOx 6/2/2008 NOx 6/18/2010 NOx

6/18/2010 NOx

CT-0155

CT-0155

FL-0313

FL-0314

PA-0289

PA-0289

2.4 MW natural gas fired cogeneration facility	0.48	G/B-HP-H short term emission limit	oxidation catalyst
2.4 MW natural gas fired cogeneration facility	15.51	tpy annual emission limit	oxidation catalyst
Combined heat and power combustion turbine	25	ppm @ 15% O2 in solonox mode	Unknown
Combined heat and power combustion turbine	100	ppm @ 15% O2 in non solonox mode	Unknown
Combined heat and power combustion turbine	0.0029	lb/MMBtu	Unknown
2.4 MW natural gas fired cogeneration facility	0.18	G/B-HP-H short term emission limit	Steuler Eco2pro SCR
2.4 MW natural gas fired cogeneration facility	5.82	tpy annual emission limit	Steuler Eco2pro SCR
Cogen System Turbine NO.1 W/existing duct Burner #1	25	PPMVD hr average/corrected to 25%O2	dry low NOx burners
Cogen System Turbine & existing steam generator	25	PPMVD hr average/corrected to 25%O2	dry low NOx burners
Combined heat and power combustion turbine	15	ppm @ 15% O2 in solonox mode	SoLoNOx combustor
Combined heat and power combustion turbine	42	ppm @ 15% O2 in non solonox mode	SoLoNOx combustor

KNO Restart **RBLC Search Summary** Search: "16.210 - combined cycle & cogen <25 MW" - All Results Unit 55-Solar Turbines **Unit 56-Solar Turbines Unit 57-Solar Turbines Unit 58-Solar Turbines Unit 59-Solar Turbines** Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM	Combustion Turbines 1, 2, 3		6.5 lb/hr above 1 hour average	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM	Combustion Turbines 1, 2, 3		0.022 lb/MMBtu above 1 hour average w/duct firing	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM10	Combustion Turbines 1, 2, 3		6.7 lb/hr above/below 1 hour average	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM10	Combustion Turbines 1, 2, 3		0.023 lb/MMBtu above/below 1 hour average w/duct firing	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM2.5	Combustion Turbines 1, 2, 3		6.7 lb/hr above/below 1 hour average	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Cornell university Cornell combined heat & power project	NY-0101	3/12/2008 PM2.5	Combustion Turbines 1, 2, 3		0.023 lb/MMBtu above/below 1 hour average w/duct firing	sulfur in gas assigned max 1.2 gr/100scf; work practices to minimize NHZ slip
Geisinger Medical Center	PA-0289	6/18/2010 VOC	Combined heat and power combustion turbine		0.6 lb/hr in solonox mode	unknown
Geisinger Medical Center	PA-0289	6/18/2010 VOC	Combined heat and power combustion turbine		11.9 lb/hr sub-zero in non-solonox mode	unknown

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler Unit 51- Waste Heat Boiler Unit 52- Waste Heat Boiler Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO2e	Pickle Line Boiler	117	LB/MMBTU	Good operating practices Minimum Boiler Efficiency
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO	Pickle Line Boiler	0.0824	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 NOx	Pickle Line Boiler	0.035	LB/MMBTU	Low NOx burners Combustion of clean fuel Good Combustion Practices
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM	Pickle Line Boiler	0.0019	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM10	Pickle Line Boiler	0.0019	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM2.5	Pickle Line Boiler	0.0019	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 SO2	Pickle Line Boiler	0.0006	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 visible emissions	Pickle Line Boiler	0.05	percent opacity	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 VOC	Pickle Line Boiler	0.0054	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO2e	Galvanizing Line Boilers #1 and #2	117	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO	Galvanizing Line Boilers #1 and #2	0.0824	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 NOx	Galvanizing Line Boilers #1 and #2	0.035	LB/MMBTU	Combustion Practices
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM	Galvanizing Line Boilers #1 and #2	0.0007	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM10	Galvanizing Line Boilers #1 and #2	0.0007	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM2.5	Galvanizing Line Boilers #1 and #2	0.0007	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 502	Galvanizing Line Boilers #1 and #2	0.0006	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 visible emissions	Galvanizing Line Boilers #1 and #2	0.05	percent opacity	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 VOC	Galvanizing Line Boilers #1 and #2	0.0054	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO2e	Pickle Galvanizing Line Boiler	117	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 CO	Pickle Galvanizing Line Boiler	0.0824	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 NOx	Pickle Galvanizing Line Boiler	0.035	LB/MMBTU	Combustion Practices
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM	Pickle Galvanizing Line Boiler	0.0012	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM10	Pickle Galvanizing Line Boiler	0.0012	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 FPM2.5	Pickle Galvanizing Line Boiler	0.0012	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 502	Pickle Galvanizing Line Boiler	0.0006	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 visible emissions	Pickle Galvanizing Line Boiler	0.05	percent opacity	Combustion of Natural gas and Good Combustion Practice
BIG RIVER STEEL LLC	AR-0173	1/31/2022 VOC	Pickle Galvanizing Line Boiler	0.0054	LB/MMBTU	Combustion of Natural gas and Good Combustion Practice
JUPITER BROWNSVILLE, LLC CENTURION BE	ROWNSVILLE TX-0930	10/19/2021 CO2e	Heaters and Boiler with Firing Rates Less than 100 MMBtu/hr	No Numeric Limit		Use of natural pipeline gas or refinery fuel gas. Good combustion practices, including maintaining proper air-to- fuel ratio and necessary residence time, temperature, and turbulence.

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

**Unit 50- Waste Heat Boiler** 

Unit 51- Waste Heat Boiler

**Unit 52- Waste Heat Boiler** 

Unit 53- Waste Heat Boiler

Unit 54- Waste Heat Boiler Red = updated in 2022

Permit Issue Date |Pollutant **RBLC ID** Facility Name Process Name Heaters and Boiler witl UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 10/19/2021 CO Less than 100 MMBtu Heaters and Boiler with 10/19/2021 NOx UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 Less than 100 MMBtu Heaters and Boiler witl 10/19/2021 FPM UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 Less than 100 MMBtu Heaters and Boiler witl 10/19/2021 FPM10 UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 Less than 100 MMBtu Heaters and Boiler wit UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 10/19/2021 FPM2.5 Less than 100 MMBtu Heaters and Boiler with UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 10/19/2021 SO2 Less than 100 MMBtu/ Heaters and Boiler witl UPITER BROWNSVILLE, LLC CENTURION BROWNSVILLE TX-0930 10/19/2021 VOC Less than 100 MMBtu 5N-202, 203, 204 Pickle NUCOR STEEL ARKANSAS AR-0172 9/1/202 CO2e **NUCOR STEEL ARKANSAS** AR-0172 9/1/202 1 CO 5N-202, 203, 204 Pickle AR-0172 NUCOR STEEL ARKANSAS 9/1/2021 Lead (Pb) / Lead Co SN-202, 203, 204 Pickle AR-0172 9/1/20 JUCOR STEEL ARKANSAS J-202, 203, 204 Pickle JOx NUCOR STEEL ARKANSAS 9/1/2021 FPM N-202, 203, 204 Pickle AR-0172 AR-0172 9/1/2021 TPM10 NUCOR STEEL ARKANSAS 5N-202, 203, 204 Pickle NUCOR STEEL ARKANSAS AR-0172 9/1/2021 TPM2.5 5N-202, 203, 204 Pickle N-202, 203, 204 Pickle AR-0172 9/1/202 NUCOR STEEL ARKANSAS SO2 AR-0172 9/1/202 NUCOR STEEL ARKANSAS 1 visible emissions N-202, 203, 204 Pickle AR-0172 NUCOR STEEL ARKANSAS 9/1/2021 VOC 5N-202, 203, 204 Pickle HADY HILLS COMBINED CYCLE FACILITY FL-0371 6/7/202 1 CO 60 MMBtu/hour Auxi 60 MMBtu/hour Auxi FL-0371 HADY HILLS COMBINED CYCLE FACILITY 6/7/2021 NOx FL-0371 6/7/20 FPM 60 MMBtu/hour Auxi ADY HILLS COMBINED CYCLE FACILITY 60 MMBtu/hour Auxil FL-0371 HADY HILLS COMBINED CYCLE FACILITY 6/7/202 1 FPM 60 MMBtu/hour Auxi FL-0371 6/7/2021 FPM10 5HADY HILLS COMBINED CYCLE FACILITY HADY HILLS COMBINED CYCLE FACILITY FL-0371 6/7/202 FPM10 60 MMBtu/hour Auxi HADY HILLS COMBINED CYCLE FACILITY FL-0371 FPM2.5 6/7/202 60 MMBtu/hour Auxi HADY HILLS COMBINED CYCLE FACILITY FL-0371 6/7/2 PM2.5 60 MMBtu/hour Auxil 60 MMBtu/hour Auxil HADY HILLS COMBINED CYCLE FACILITY FL-0371 6/7/202 SO2 v60 MMBtu/hour Auxi HADY HILLS COMBINED CYCLE FACILITY FL-0371 6/7/202 Sulfuric Acid (mist, KY-0115 04/19/2021 NUCOR STEEL GALLATIN, LLC CO2e Vacuum Degasser Boile X-0115 04/19/2021 NUCOR STEEL GALLATIN, LLC CO Vacuum Degasser Boil KY-0115 04/19/2021 Lead (Pb) / Lead Co Vacuum Degasser Boil NUCOR STEEL GALLATIN, LLC NUCOR STEEL GALLATIN, LLC KY-0115 04/19/2021 Vacuum Degasser Boile NOx NUCOR STEEL GALLATIN, LLC KY-0115 04/19/2021 FPM Vacuum Degasser Boile NUCOR STEEL GALLATIN, LLC KY-0115 04/19/2021 TPM10 Vacuum Degasser Boile KY-0115 04/19/2021 Vacuum Degasser Boile NUCOR STEEL GALLATIN, LLC TPM2.5

	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
			Use of natural pipeline gas or refinery fuel gas. Good
			combustion practices, including maintaining proper air-to-
h Firing Rates			fuel ratio and necessary residence time, temperature, and
/hr	50	PPMVD	turbulence.
h Firing Rates			
/hr	0.015	lb/MMBtu	LOW NOX BURNERS
h Firing Rates	0.010		Use of natural pipeline gas or refinery fuel gas. Opacity not
/hr	0.0089	lb/MMBtu	to exceed 5 percent over six minutes.
h Firing Rates			Use of natural pipeline gas or refinery fuel gas. Opacity not
/hr	0.0089	lb/MMBtu	to exceed 5 percent over six minutes.
h Firing Rates		,	Use of natural pipeline gas or refinery fuel gas. Opacity not
/hr	0.0089	lb/MMBtu	to exceed 5 percent over six minutes.
h Firing Rates			Use of natural pipeline gas or refinery fuel gas with sulfur
/hr	No Numeric Limit		content not to exceed 0.20 grains per 100 dscf.
			Use of natural pipeline gas or refinery fuel gas. Good
			combustion practices, including maintaining proper air-to-
h Firing Rates			fuel ratio and necessary residence time, temperature, and
/hr	0.0054	lb/MMBtu	turbulence.
e Line Boilers	121	lb/MMBtu	Good Combustion Practice
e Line Boilers	0.084	lb/MMBtu	Good Combustion Practice
e Line Boilers	No Numeric Limit	,	
e Line Boilers	0.035	lb/MMBtu	Low NOx burners
e Line Boilers	0.0019	lb/MMBtu	Good Combustion Practice
e Line Boilers	0.0076	GR/DSCF	Good Combustion Practice
e Line Boilers	0.0076	GR/DSCF	Good Combustion Practice
e Line Boilers	0.0006	lb/MMBtu	Low Sulfur fuels
e Line Boilers	5	percent	Good Combustion Practice
e Line Boilers	0.0055	1b/MMBtu	Good Combustion Practice
liarv Boiler	0.08	LB/MMBTU	Good combustion practices and low-NOx burners
liary Boiler	0.05	LB/MMBTU	Low-NOx burners
liary Boiler	1.4	GR. S/100 SCF NG	Clean Fuels
liary Boiler	20	% opacity	Clean Fuels
liary Boiler	1.4	GR. S/100 SCF NG	Clean Fuels
liary Boiler	20	% opacity	Clean Fuels
liary Boiler	1.4	GR. S/100 SCF NG	Clean Fuels
liary Boiler	20	% opacity	Clean Fuels
liary Boiler	1.4	GR. S/100 SCF NG	Limited sulfur content in fuel
liary Boiler	1.4	GR. S/100 SCF NG	Limited sulfur content in fuel
J			The permittee must develop a Good Combustion and
			Operating Practices (GCOP) Plan and implement various
er (EP 20-13)	26125	ton/vr	design and operational efficiency requirements.
			The permittee must develop a Good Combustion and
er (EP 20-13)	61	LB/MMSCF	Operating Practices (GCOP) Plan
er (EP 20-13)	0.0005	LB/MMSCF	
			The permittee must develop a Good Combustion and
			Operating Practices (GCOP) Plan. Also equipped with low-
er (EP 20-13)	35	LB/MMSCE	NOx burners
			The permittee must develop a Good Combustion and
			Operating Practices (GCOP) Plan Also equipped with low-
er (FP 20-13)	19	I B/MMSCE	NOx hurners
CI (LI 20-13)	1.7		The permittee must develop a Good Combustion and
			Operating Practices (CCOP) Plan Also againped with low
$er(FP 20_13)$	74	I B/MMSCE	NOv humers
CI (LI 20-13)	7.0		The permittee must develop a Good Combustion and
			Operating Practices (CCOP) Plan Also again and with low
or (EP 20 12)	7.0		NOv humars
CI (EI 20-13)	7.6		INOA DUITIEIS.

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Synce         Synce <th< th=""><th>Facility Name</th><th>RBLC ID</th><th>Permit Issue Date</th><th>Pollutant</th><th>Process Name</th><th>Emission Limit Emission Limit Units</th><th>BACT Determination</th></th<>	Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
NUCKENTPL CAU ALTAL 11/L         No.05         FL/JP 2011         No.         Number of the second secon							The permittee must develop a Good Combustion and
SLCODE IDE GALLATES, LCC         V-1917         PD/1970         SQ2         Variant lysion is allowed by PD/107         SQ2 BADABGY         Mathematication is allowed by PD/107           SLCODE IDE GALLATES, LCC         K7 413         K7/1970         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         K7/1970         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         K7/1970         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ3 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ2 DAMSCO         Market galla by PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ2 PD/107         WCC         Yaman Dysoner Biole/TDP 10         SQ2 PD/107         Yaman Dysoner Biole/TDP 10         Yaman Dysone							Operating Practices (GCOP) Plan. Also equipped with low-
Construction         Construction<	NUCOR STEEL GALLATIN, LLC	KY-0115	04/19/2021	SO2	Vacuum Degasser Boiler (EP 20-13)	0.6 LB/MMSCE	NOx burners.
NUMBER         NUMBER         NUMBER         NUMBER         Operating Protecting (COP) Than Allow coupled within NUMBER X SUPPLIEX X SUPPLI							The permittee must develop a Good Combustion and
NUCCENTRUCALLATIN, LLC         NY.115         1/1/2/201         NOC.         Nuclean Degree Teal (TPD 1) 1         3.2.10 / Molect         Noc. Nuclean and Nuclean Section of the Nuclean And Nu							Operating Practices (GCOP) Plan. Also equipped with low-
SHELL SEX SOF NEX SAVE:         IA 017         00/17/201         PM         Name/Car Bielr And B         Dura QU/LL_ave:         Dev Carbon Strategy and Bar Carbon Strategy and Strategy an	NUCOR STEEL GALLATIN, LLC	KY-0115	04/19/2021	VOC	Vacuum Degasser Boiler (EP 20-13)	5.5 LB/MMSCF	NOx burners.
Inter-SPECCON STATION         M 01/7         0/107/2021         C/C         and Status         Just France         Just France <t< td=""><td>SHELL ROCK SOY PROCESSING</td><td>IA-0117</td><td>03/17/2021</td><td>TPM</td><td>Natural Gas Boiler A and B</td><td>0.026 lb/Hr. each</td><td>Low NOx Burner and Flue Gas Recirculation</td></t<>	SHELL ROCK SOY PROCESSING	IA-0117	03/17/2021	TPM	Natural Gas Boiler A and B	0.026 lb/Hr. each	Low NOx Burner and Flue Gas Recirculation
INV. PRUCKSON STATUDY.         M104/2         0/07/202         CO/2         exclutery being models         2026 w/r/m         mobality markles, and marge dislacery models.           INV. PRUCKSON STATUDY.         M104/2         0/07/202         CO         exclutery being models         mobality markles, and marge dislacery models.           BWS-BUCKSON STATUDY.         M104/2         0/07/202         CO         exclutery being models         mobality markles, and marge dislacery models.           BWS-BUCKSON STATUDY.         M104/2         0/07/201         TM2         TM101701 Brand part for M10000         TM101701 Brand part for M100000         TM101701 Brand part for M100000         TM101701 Brand part for M100000         TM101701 Brand part for M1000000         TM101701 Brand part for M10000000         TM101701 Brand part for M1000000000000000000000000000000000000					EUAUXBOILERnat gas fired		Low carbon fuel (pipeline quality natural gas), good
PUIK_JERICISSON STATION         NL 447         DJ (P/2) 201         CO         Audia y bale         CO         Junction of the particles           UWW_JERICISSON STATION         MI 647         DJ (P/2) 201         CO         and darky bale         CO         Tax ND (P) First (P)	LBWLERICKSON STATION	MI-0447	01/07/2021	CO2e	auxiliary boiler	25644 ton/vr	combustion practices, and energy efficiency measures.
LBMP_EDEXSEX LALEON         MH447         0./0/201         CO         columb yoin*         36 (PM         Co dombation produces.           LBM_EDEXSEX SLATEON         M447         0./0/201         NA         audiary bole*					EUAUXBOILERnat gas fired	, , ,	
LINELAUGENDISTATION         MI-0447         (1/07/202)         No.         activation of the second and the seco	LBWLERICKSON STATION	MI-0447	01/07/2021	СО	auxiliary boiler	50 PPM	Good combustion practices.
Lawy-BOCSON STATION         MI-647         0/0/0/201         No.         available for a final conditary bodier and index conditary bodier and prime         So PMA         above the position produces conditary bodier conditary bodier and prime           LWU-BICCISON STATION         MI-647         0/0/0/201         IMME         Conditary bodier conditary bodier         Conditary bodier conditary bodier conditary bodier         Conditary bodier conditary bodier         Conditary bodier conditary bodier conditary bodier conditary bodier conditary bodier         Conditary bodier conditary bodie					EUAUXBOILERnat gas fired		Low NOx burners (LNB) or flue gas recirculation (FGR)
LINUL-TRUCKSON STATION         M1442         m/(07/201         TPX10         austicaty balance         0.2         Px11         Guad combastion practices.           LINUL-TRUCKSON STATION         M14447         m/(07/201         TPX42         austicaty balance         0.2         Px11         Guad combastion practices.           LINUL-TRUCKSON STATION         M4447         m/(07/201         TPX42         austicaty balance         0.2         Px11         Goad combastion practices.           LINUL-TRUCKSON STATION         M4447         m/(07/201         TPX42         VC         TL/(17/08/101-001-000-000-000-000-000-000-000-000	LBWLERICKSON STATION	MI-0447	01/07/2021	NOx	auxiliary boiler	30 PPM	along with good combustion practices.
LWV-BRENNEN ALTONMEDIA0/1070/107PMEDAudian0/1070/107Code conduction practices.LWV-BRENKEN STATEONML0470/107PMEDPMALMOUTPE-marges invol6667766677666777					EUAUXBOILERnat gas fired		
UNI-TREEKEN STATION         M1047         01/V/2021         TWX         BUILDEN-trage and and starting balance         0         Pt/11*         Good combustion practices.           UWI-TRECKEON STATION         M1047         01/0/2021         VXX         PUALWOILLE-rate gas final         0         Pt/11*         Good combustion practices.           UWI-TRECKEON STATION         M1047         01/0/2021         VXX         PUALWOILLE-rate gas final         0         Pt/11*         Good combustion practices.           UNI-TRECKEON STATION         M1047         01/0/2021         TVX         PUALWOILLE-rate gas final         0         Pt/11*         Good combustion practices.           UNION CONTRANCAL STEPARD         VA 6333         12/00/2021         TVX3         Three Gistales.         0.0020         Pt/14*         Unre loss NOs humens and good combustion practice           UNION CONTRANY         AR0167         12/0/2020         NOs	LBWLERICKSON STATION	MI-0447	01/07/2021	TPM10	auxiliary boiler	0.74 lb/Hr	Good combustion practices.
IMM - DRCK SKN SY ATCNN         M1047         M107/201         TVM NS         auxilian softwar         M104/PV         Control control softwar           LMV - BRCK SKN SY ATCNN         M1047         M107/201         VCC         anvitance spread         0.5 k/tr         Control control softwar           SNAW NGROLK NAVAL SIBTARD         VA033         17/09/200         TWR         M101         100/21 k/MSTU         -           SNAW NGROLK NAVAL SIBTARD         VA033         17/09/200         TWR         M101         100/21 k/MSTU         -         -           SNAW NGROLK NAVAL SIBTARD         VA033         12/09/200         TWR         Rest         0.0028 L/MNSTU         -         -           SNAW NGROLK NAVAL SIBTARD         AR097         12/01/200         NN         Rest         -         NM         -         NM         -         -         -         -         NM         -         -         NM         -         -         NM         - <td></td> <td></td> <td></td> <td></td> <td>EUAUXBOILERnat gas fired</td> <td></td> <td>I</td>					EUAUXBOILERnat gas fired		I
HUMFRICKON STATION         MIA-47         Optimization         ULM-Chromosome         Optimization         Optimization           UN-VERCENCE STATION         MIA-47         Optimization	LBWLERICKSON STATION	MI-0447	01/07/2021	TPM2.5	auxiliary boiler	0.4 lb/Hr	Good combustion practices.
UNM-BUCKSKN SYA LON         ME/047         O/U/7201         V/CC         assistant         O.S. M/r/m         Goal ombastan punctions.           USA NY XOBERO NAVAL SHEPYARD         VA-003         12/9/7020         O'A         The RY NY SHEFON         0.200 M/r/MUL         -           USA NY XOBERO LANAVAL SHEPYARD         VA-003         12/9/7020         IPMII         The RY NY SHEFON         0.007 M/r/MUL         -           USA NY XOBERO LANAVAL SHEPYARD         VA-003         12/9/7020         IPMII         The RY NY SHEFON         0.007 M/r/MUL         -           USA NY XOBERO LANAVAL SHEPYARD         VA-003         12/9/7020         IPMIII         -         SNS80 +44 Re-Elast Column         -         -         SNS80 +44 Re-Elast Rebular         3.5 M/r         UB-alore ADX burness and goal combustion practice           LON OIL COMPANY         AR0167         12/0/7020         NOA         SNS80 +44 Re-Elast Rebular         3.5 M/r         UB-alore ADX burness and goal combustion practice           LON OIL COMPANY         AR0167         12/9/7020         NOA         SNS80 +44 Re-Elast Rebular         3.5 M/r         UB-alore ADX burness and goal combustion practice           LON OIL COMPANY         AR0167         11/9/7020         NOA         92 M/R/r         127         H/r         UB-alore ADX burness and goal combustin practice					EUAUXBOILERnat gas fired	011 12/11	
SNAW NOBPOLK NAVAL SHIPVAED         V-4/031         12/09/2020         CO2e         Physe () solvers         117.1 [L/VADMTU         Physe () solvers           IS NAW NOBPOLK NAVAL SHIPVAED         V-4033         12/09/2020         TVPL5:         Theor () solvers         0.0078 [VA/MMTU         I           IS NAW NOBPOLK NAVAL SHIPVAED         V-4033         12/09/2020         TVPL5:         Theor () solvers         0.0078 [VA/MMTU         I           IS NAW NOBPOLK NAVAL SHIPVAED         V-4033         12/01/2020         No.         Beholer         0.0078 [VA/MMTU         I           IS NAW NOBPOLK NAVAL SHIPVAED         V-4033         12/01/2020         No.         Beholer         0.0078 [VA/MMTU         III.         IIII.         III.         III.         III.         III.         III.         III.         III.         III.         IIII.         IIII.         IIII.         IIII.         IIII.         IIII.         IIII.         IIIIIIIII.         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	LBWI ERICKSON STATION	MI-0447	01/07/2021	VOC	auxiliary boiler	0.3 lb/Hr	Good combustion practices.
US_NAV_NORIGIX_NAVAL SHIP/ARD         V.4.033         12/09/2020         TPM10         Dnee (3) biolers         0.0028 [J/M/MTT         Image: [J/M/MTT           US_NAV_NORIGIX_NAVAL SHIP/ARD         V.4.033         12/09/2020         TPM.16         Dnee (3) biolers         0.0028 [J/M/MTT         Image:	LIS NAVY NORFOLK NAVAL SHIPYARD	VA-0333	12/09/2020	CO2e	Three (3) boilers	117.1 LB/MMBTU	
SENAVY NORFOLK NAVAL SHIPYARD         V.4033         12/09/2020         TYA2.5         Direct () beliers         0.007         D/VMRTU           LON OL COMPANY         Ak-0167         12/09/2020         NOx         Kelolier         1.0         10/h/h         Ultra-low NOx burners and goad combustion practice           LON OL COMPANY         Ak-0167         12/01/2020         NOx         Kelolier         1.2         D/h/h         Ultra-low NOx burners and goad combustion practice           LON OL COMPANY         Ak-0167         12/01/2020         NOx         FW school         2.2         D/hr         Ultra-low NOx burners and goad combustion practice           LON OL COMPANY         Ak-0167         12/01/2020         NOx         FW school         2.2         D/hr         Ultra-low NOx burners and goad combustion practice           CLON OL COMPANY         Ak-0167         12/01/2020         NOx         WiteSoft         0.005         Ultra-low NOx burners and goad combustion practice           CLON OL COMPANY         Ak-0167         12/01/2020         NOx         WiteSoft         0.005         Ultra-low NOx burners and goad combustion practice           PLANT KARKY, NARKOWER COMPANY         Ak-0057         12/01/2020         NOX         WiteSoft         0.005         Ultra-low NOX         WiteSoft         0.015         Ultra-low	US NAVY NORFOLK NAVAL SHIPYARD	VA-0333	12/09/2020	TPM10	Three (3) boilers	0.0078 I B/MMBTU	
Construction         Product         Product         Product         Construction           LON OIL COMPANY         ARU067         12/01/200         NOx         Hebrider         13         Print         Ultro-low NOx burners and good combustion practice           LON OIL COMPANY         ARU067         12/01/200         NOx         Hebrider         33         Print         Ultro-low NOx burners and good combustion practice           LON OIL COMPANY         ARU067         12/01/200         NOx         Hebrider         33         Print         Ultro-low NOx burners and good combustion practice           LON OIL COMPANY         ARU067         12/01/200         NOx         Prints/Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         12/01/200         NOx         Prints/Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         12/01/200         Hebrider         0.0071         Hydrofer         12/01/200         Hebrider         0.0071         Hydrofer         12/01/200         Hebrider         0.0071         Hydrofer         0.0071         Hydrofer         12/01/200         Hebrider         0.0071         HydrWrHT         NEBRY         NEBRY	US NAVY NORFOLK NAVAL SHIPVARD	VA-0333	12/09/2020	TPM2 5	Three (3) boilers	0.0078 I B/MMBTU	
IDM OR. COMPANY         AR-0167         12/01/2020         NCN         Lebelar         1.0 h/h         Ultra-low NON humen and good combusing practice           IDM OR. COMPANY         AR-0167         12/01/2020         NCN         Simplement         3.5 h/he         Ultra-low NON humen and good combusing practice           IDM OR. COMPANY         AR-0167         12/01/2020         NCN         Simplement         3.5 h/he         Ultra-low NON humen and good combusing practice           USAN DECOMPANY         AR-0167         12/01/2020         NCN         Simplement         4.23 h/month         4.24 h/month	CONAVI NORI OLK NAVAL SI III TARD	V11-0000	12/07/2020	11 1/12.5	SNI-803 - #4 Pre-Flash Column	0.0070 ED/ WIMDTC	
LON COLL COMPANY         Profile	LION OIL COMPANY	AP 0167	12/01/2020	NOv	Rebeiler	1.0  lb/br	Ultra low NOx burners and good combustion practice
LAN OLL COMPANY         Allof         L/2/07/200         LOAS         SPABLO mp1 to Talk RCode         Joint Control         Joint Contro         Joint Control         Joint Control <td>LION OIL COMPANY</td> <td>AR-0107</td> <td>12/01/2020</td> <td>NOX</td> <td>SN 805 #4 Pro Elash Pohoiler</td> <td>1.9 ID/ III 2.5 Ib/br</td> <td>Ultra-low NOx burners and good combustion practice</td>	LION OIL COMPANY	AR-0107	12/01/2020	NOX	SN 805 #4 Pro Elash Pohoiler	1.9 ID/ III 2.5 Ib/br	Ultra-low NOx burners and good combustion practice
LON OIL COMPANY         AR.0167         12/01/2020         No.k         Furnace/ Redoing         12.7         Ib/r           PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         CO2.e         90.3         Millitu/th: Aux Boiler         44616         for yr         PLANT           PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         CO2         90.3         Millitu/th: Aux Boiler         0.031         B/MBTU         PLANT           PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         Nox         90.3         Millitu/th: Aux Boiler         0.001         B/MBTU         PLANT           PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         FPVI0         90.3         Millitu/th: Aux Boiler         0.001         B/MBTU         PLANT         PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         SO2         90.5         Millitu/th: Aux Boiler         0.002         B/MBTU         PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         VCC         90.5         Millitu/th: Aux Boiler         0.002         B/MBTU         PLANT BARKY, ALABAMA POWER COMPANY         AI-028         11/09/2020         VCC         90.5         Millitu/th: Aux Boiler         0.002         B/MMBTU         PLANT BARKY, ALABAMA POWER	LION OIL COMPANY	AK-0107	12/01/2020	NUX	SIN-803 - #4 I Ie-Flash Reboller	5.5 ID/ IIF	Onra-low NOX burners and good combustion practice
LON OLI COMPANY         ALCOLO         12/01/2020         NO.8         Parallity Resolut?         L2/01/2021           PLANI DARKY, ALAIAMA POWER COMPANY         AL2028         11/09/2020         CO.20         90.3 MMBu/hr Aux Boiler         0077 [11/VMITU           PLANI DARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         CO.20         90.3 MMBu/hr Aux Boiler         0077 [11/VMITU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         CO.20         90.3 MMBu/hr Aux Boiler         00075 [LY/MBTU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         PFVE2.5         90.5 MMBu/hr Aux Boiler         0.0075 [LY/MBTU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         SOC         90.5 MMBu/hr Aux Boiler         0.004 [LY/MBTU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         SOC         90.5 MMBu/hr Aux Boiler         0.004 [LY/MMBTU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         SOC         90.5 MMBu/hr Aux Boiler         0.004 [LY/MMBTU           PLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/2020         SOC         90.5 MMBu/hr Aux Boiler         0.004 [LY/MBTU           FLANT BARKY, ALABAMA POWER COMPANY         AL2028         11/09/20		AD 01(7	10/01/0000	NO	SIN-810 - #9 Hydrotreater	10.7 11. (1	
LAND BARKY, ALABAMA POWER COMPANY       AL-028       11/09/2020       CO       90.3 MRBu/Jr Aux Boiler       0.071 [L/WHRTU       Home Part Company         PLANT BARKY, ALABAMA POWER COMPANY       AL-028       11/09/2020       CO       90.3 MRBu/Jr Aux Boiler       0.017 [L/WHRTU       Home Part Company         PLANT BARKY, ALABAMA POWER COMPANY       AL-028       11/09/2020       FPM10       90.5 MRBu/Jr Aux Boiler       0.017 [L/WHRTU       Home Part Part Part Part Part Part Part Part		AK-0107	12/01/2020	NUX	Furnace/ Reboiler		
PLANT DARKY, ALADAMA FOWER COMPANY       AL-022       11/09/2020       NOx       90.5 MMBU/JP AUX Boller       0.007 [LIV/MITU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       NOx       90.5 MMBU/JP AuX Boller       0.007 [LIV/MITU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       IVM01       90.5 MMBU/JP AuX Boller       0.0075 [LB/MBTU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       IVM2.5       90.5 MMBU/JP AuX Boller       0.0075 [LB/MBTU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       SVC       90.5 MMBu/JP AuX Boller       0.0072 [LIV/MITU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       VCC       90.5 MMBu/JP AuX Boller       0.0072 [LIV/MITU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0325       11/09/2020       VCC       90.5 MMBu/JP AuX Boller       0.0071 [LIV/MITU         PLANT DARKY, ALABAMA FOWER COMPANY       AL-0324       01/06/2020       CO2       PR Waste Heat Boller       0.0071 [LIV/MITU       Use of natural gas or fuel gas af ucl. energy-efficient         GLA COMPLEX       LA-0364       01/06/2020       TPM10       PR Waste Heat Boller       26.21 [L/M       Condention practices and oxidation catalyst         IG LA COMPLEX       LA-0364	PLANT BARKY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	CO2e	90.5 MMBtu/ hr Aux Boiler	46416 ton/yr	
PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       FVN10       905 MMBru/r Aux Boiler       00115 II/MMBTU         PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       FVN10       905 MMBru/r Aux Boiler       0.0075 II/MMBTU         PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       SO2       905 MMBru/r Aux Boiler       0.0075 II/MMBTU         PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       SO2       905 MMBru/r Aux Boiler       0.0075 II/MMBTU         PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       SO2       905 MMBru/r Aux Boiler       0.0075 II/MMBTU         PLAN IBARKY, ALBANA POWER COMPANY       AL-028       11/09/202       VOC       90.5 MMBru/r Aux Boiler       0.0075 II/MMBTU         PG LA COMPLEX       LA-0364       01/06/202       CO2       PR Waste Heat Boiler       26.21 II/r       God combustion practices and ocidation catalyst.         FG LA COMPLEX       LA-0364       01/06/202       CO2       PR Waste Heat Boiler       1441 II/r       SCR and LNB         FG LA COMPLEX       LA-0364       01/06/202       TM10       PR Waste Heat Boiler       0.61 Ib/hr       Combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       TM10       PR Waste Heat Boiler	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020		90.5 MMBtu/ hr Aux Boller		
PLANI IBARKY, ALBAAM FOWER COMPANY       AL-0325       11/09/2020       FPM10       90.5 MMBru/ in Aus Boiler       0.007/51 B/KMBTU         PLANT BARKY, ALBAAM POWER COMPANY       AL-0328       11/09/2020       FPM2.5       90.5 MMBru/ in Aus Boiler       0.002 B/KMBTU         PLANT BARKY, ALBAAM POWER COMPANY       AL-0328       11/09/2020       VOC       90.5 MMBru/ in Aus Boiler       0.004 B/KMBTU         PLANT BARKY, ALBAAM POWER COMPANY       AL-0328       11/09/2020       VOC       90.5 MMBru/ in Aus Boiler       0.004 B/KMBTU         PLANT BARKY, ALBAAM POWER COMPANY       AL-0328       11/09/2020       VOC       90.5 MMBru/ in Aus Boiler       0.004 B/KMBTU         PLANT BARKY, ALBAAM POWER COMPANY       AL-0328       11/09/2020       VOC       90.5 MMBru/ in Aus Boiler       0.004 B/KMBTU         FG LA COMPLEX       IA-0364       01/06/2020       CO2e       PR Waste Heat Boiler       455475 ton/yr       design options, and operational/maintenance practices.         FG LA COMPLEX       IA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       1441 B/hr       SCR and INB         FG LA COMPLEX       IA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       0.611 b/hr       combustion practices.         FG LA COMPLEX       IA-0364       01/06/2020       TPM2.5	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	NOx	90.5 MMBtu/hr Aux Boiler	0.011 LB/MMBTU	
PLANI BARKY, ALABAM POWER COMPANY         AL-6328         11/09/2020         SQ2         90.5 MMBu/hr Aux Boiler         0.007.5 Lt/MMBTU           PLANI BARKY, ALABAM POWER COMPANY         AL-6328         11/09/2020         SQ2         90.5 MMBu/hr Aux Boiler         0.002 LE/MMBTU           PLANI BARKY, ALABAM POWER COMPANY         AL-6328         11/09/2020         VOC         90.5 MMBu/hr Aux Boiler         0.004 LB/MMBTU           PLANI BARKY, ALABAM POWER COMPANY         AL-6328         11/09/2020         VOC         90.5 MMBu/hr Aux Boiler         0.004 LB/MMBTU           FG LA COMPLEX         LA-0564         01/06/2020         CO2         PR Waste Heat Boiler         455475 ton/yr         design options, and optational/maintenance practices.           FG LA COMPLEX         LA-0364         01/06/2020         CO2         PR Waste Heat Boiler         26.21 II/hr         Code orbito practices and oxidation catalyst.           FG LA COMPLEX         LA-0364         01/06/2020         TPM10         PR Waste Heat Boiler         0.61 II/hr         Code orbito practices.	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	FPM10	90.5 MMBtu/hr Aux Boiler	0.0075 LB/MMBTU	
ITAN BARKY, ALABAMA POWER COMPANY       AL-0328       11/09/2020       SO2       90.5 MMBtu/hr Aux Boiler       0.002 LF/MMFU         PLANT BARKY, ALABAMA POWER COMPANY       AI-0328       11/09/2020       VOC       90.5 MMBtu/hr Aux Boiler       0.004 LB/MMFU         FG LA COMPLEX       LA-0364       01/06/2020       CO2e       PR Waste Heat Boiler       455475       tory of natural gas or fuel gas as fuel, energy-efficient design options, and operational/maintenance practices.         FG LA COMPLEX       LA-0364       01/06/2020       CO2e       PR Waste Heat Boiler       26.21 lk/hr       Good combustion practices and oxidation catalyst.         FG LA COMPLEX       LA-0364       01/06/2020       CO2       PR Waste Heat Boiler       0.61 lk/hr       Combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       0.61 lk/hr       Use of pipeline quality natural gas or fuel gas and good combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       0.61 lk/hr       Use of pipeline quality natural gas or fuel gas.         FG LA COMPLEX       LA-0364       01/06/2020       TPM2.5       PR Waste Heat Boiler       0.61 lk/hr       Combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       SO2       PR Waste	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	FPM2.5	90.5 MMBtu/hr Aux Boiler	0.0075 LB/MMBTU	
PLANT BARRY, ALABAMA POWER COMPANY AL-0328 11/09/2020 VOC 90.5 MMBtu/hr Aux Boiler 0.004 [B/MMBTU FG LA COMPLEX LA-0364 01/06/2020 CO2e PR Waste Heat Boiler 2521 [b/hr Good combustion practices and oxidation catalyst. FG LA COMPLEX LA-0364 01/06/2020 NOx PR Waste Heat Boiler 2521 [b/hr Good combustion practices and oxidation catalyst. FG LA COMPLEX LA-0364 01/06/2020 NOx PR Waste Heat Boiler 0.61 [b/hr SCR and LNB FG LA COMPLEX LA-0364 01/06/2020 TPM10 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 TPM2.5 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 TPM2.5 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 SO2 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 SO2 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 SO2 PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 VOC PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 VOC PR Waste Heat Boiler 0.61 [b/hr combustion practices. FG LA COMPLEX LA-0364 01/06/2020 VOC PR Waste Heat Boiler 0.61 [b/hr Good combustion practices. FG LA COMPLEX LA-0364 01/06/2020 VOC PR Waste Heat Boiler 0.61 [b/hr Good combustion practices and oxidation catalyst FG LA COMPLEX LA-0364 01/06/2020 VOC PR Waste Heat Boiler 13.37 [b/hr Good combustion practices and oxidation catalyst Nucor Steel Kankakee, Inc. IL-0126 2/19/2019 CO2e MMBtu/hr) 0.0075 [brits PSD] Nucor Steel Kankakee, Inc. IL-0126 2/19/2019 TPM2.5 MMBtu/hr/ 0.0075 [brits PSD]	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	SO2	90.5 MMBtu/hr Aux Boiler	0.002 LB/MMBTU	
FG LA COMPLEXLA-036401/06/2020CO2ePR Waste Heat Boiler455475Low of natural gas or fuel gas as fuel, energy-efficient design options, and operational/maintenance practices.FG LA COMPLEXLA-036401/06/2020COPR Waste Heat Boiler26.21[Ib/hrGod combustion practices and oxidation catalyst.FG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler14.41[Ib/hrGod combustion practices and oxidation catalyst.FG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.61[Ib/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61[Ib/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61[Ib/hrCombustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61[Ib/hrCombustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler0.61[Ib/hrCood combustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler0.61[Ib/hrCood combustion practices.Gu COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler0.61[Ib/hrCood combustion practices.Nucor Steel Kankakee, Inc.IL-012611/1/2018, updatedCo2eGas-Fired Space Heaters (25Ib/	PLANT BARRY, ALABAMA POWER COMPANY	AL-0328	11/09/2020	VOC	90.5 MMBtu/hr Aux Boiler	0.004 LB/MMBTU	
FG LA COMPLEXLA-036401/06/2020CO2PR Waste Heat BoilerUse of privational/maintenance practices.IG LA COMPLEXLA-036401/06/2020COPR Waste Heat Boiler26.21lb/hrGood combustion practices and oxidation catalyst.IG LA COMPLEXLA-036401/06/2020NOxPR Waste Heat Boiler26.21lb/hrGood combustion practices.IG LA COMPLEXLA-036401/06/2020NOxPR Waste Heat Boiler14.41lb/hrSCR and LNBIG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.61lb/hrcombustion practices.IG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrcombustion practices.IG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrcombustion practices.IG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61lb/hrCombustion practices.IG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.33lb/hrUse of pipeline quality natural gas of ruel gas.IG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices.IG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices.IG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
IG LA COMPLEX       LA-0364       01/06/2020       CO2e       PR Waste Heat Boiler       455475 ton/yr       design options, and operational/maintenance practices.         IG LA COMPLEX       LA-0364       01/06/2020       CO       PR Waste Heat Boiler       26.21 lb/hr       God combustion practices and oxidation catalyst.         FG LA COMPLEX       LA-0364       01/06/2020       NOx       PR Waste Heat Boiler       14.41 ll/hr       SCR and LNB         FG LA COMPLEX       LA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       0.61 lb/hr       combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       TPM10       PR Waste Heat Boiler       0.61 lb/hr       combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       TPM2.5       PR Waste Heat Boiler       0.61 lb/hr       combustion practices.         FG LA COMPLEX       LA-0364       01/06/2020       VOC       PR Waste Heat Boiler       13.37 lb/hr       Use of pipeline quality natural gas or fuel gas.         FG LA COMPLEX       LA-0364       01/06/2020       VOC       PR Waste Heat Boiler       13.37 lb/hr       God combustion practices and oxidation catalyst         FG LA COMPLEX       LA-0364       01/06/2020       VOC       PR Waste Heat Boiler       13.37 lb/hr       God combustion pra							Use of natural gas or fuel gas as fuel, energy-efficient
FGLA COMPLEXLA-036401/06/2020COPR Waste Heat Boiler26.21  lb/hrGood combustion practices and oxidation catalyst.FG LA COMPLEXLA-036401/06/2020NOxPR Waste Heat Boiler14.41lb/hrSCR and LNBFG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61lb/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.33lb/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystFG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystFG LA COMPLEXLA-036401/06/2020CO2eMMBtu/hr)0.0075lb/MMBtu Individual(rest methods EPA/OAR Mtd 201 and OTM 28) (BACTNucor	FG LA COMPLEX	LA-0364	01/06/2020	CO2e	PR Waste Heat Boiler	455475 ton/yr	design options, and operational/maintenance practices.
FG LA COMPLEXLA-036401/06/2020NOxPR Waste Heat Boiler14.41b/hrSCR and LNBFG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.61b/hrUse of pipeline quality natural gas on fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61b/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61b/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61b/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37b/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37b/hrGood combustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37b/hrGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Co2eGas-Fired Space Heaters (25 MMBtu/hr)b/MMBtu Individual 0.0075Icentends EFA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)b/MMBtu Individual 0.0075 <td>FG LA COMPLEX</td> <td>LA-0364</td> <td>01/06/2020</td> <td>CO</td> <td>PR Waste Heat Boiler</td> <td>26.21 lb/hr</td> <td>Good combustion practices and oxidation catalyst.</td>	FG LA COMPLEX	LA-0364	01/06/2020	CO	PR Waste Heat Boiler	26.21 lb/hr	Good combustion practices and oxidation catalyst.
FG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.6Use of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61Ub/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler0.61Ub/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler8.03Ub/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37Ub/hrGood combustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37Ub/nrGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ices methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ices methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ib/MMBtu Individual Units </td <td>FG LA COMPLEX</td> <td>LA-0364</td> <td>01/06/2020</td> <td>NOx</td> <td>PR Waste Heat Boiler</td> <td>14.41 lb/hr</td> <td>SCR and LNB</td>	FG LA COMPLEX	LA-0364	01/06/2020	NOx	PR Waste Heat Boiler	14.41 lb/hr	SCR and LNB
FG LA COMPLEXLA-036401/06/2020TPM10PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrUse of pipeline quality natural gas of fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler8.03lb/hrUse of pipeline quality natural gas of fuel gas.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler13.37lb/hrUse of ombustion practices and oxidation catalystFG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystFG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-01262/19/2019CO2eMMBtu/hr)10197ton/yearfor second combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-01262/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ifest methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD)Nucor Steel Kankakee, Inc.IL-01262/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ib/MMBtu Individual Units(BACT-PSD )							Use of pipeline quality natural gas or fuel gas and good
FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61Ib/hrUse of pipeline quality natural gas or fuel gas and good combustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler8.03Ib/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler8.03Ib/hrGood combustion practices.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37Ib/hrGood combustion practices and oxidation catalystNucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Icer steel Kankakee, Inc.Icer steel Kankakee, Inc.Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Icer steel Kankakee, Inc.Icer steel Kankakee, Inc.Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Icer steel Kankakee, Inc.Icer steel Kankakee, Inc.Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ib/MMBtu Individual UnitsIcer steel Kankakee, Inc.	FG LA COMPLEX	LA-0364	01/06/2020	TPM10	PR Waste Heat Boiler	0.61 lb/hr	combustion practices.
FG LA COMPLEXLA-036401/06/2020TPM2.5PR Waste Heat Boiler0.61lb/hrcombustion practices.FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler8.03lb/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystFG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)lb/MMBtu Individual 0.0075Good combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)lb/MMBtu Individual 0.0075(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT- PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)lb/MMBtu Individual 0.0075(GACT-PSD )							Use of pipeline quality natural gas or fuel gas and good
FG LA COMPLEXLA-036401/06/2020SO2PR Waste Heat Boiler8.03lb/hrUse of pipeline quality natural gas or fuel gas.FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystNucor Steel Kankakee, Inc.IL-01262/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)IntrastructureGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-01262/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-01262/19/2019TPM10MMBtu/hr)0.0075Ib/MMBtu Individual Units(BACT-PSD )	FG LA COMPLEX	LA-0364	01/06/2020	TPM2.5	PR Waste Heat Boiler	0.61 lb/hr	combustion practices.
FG LA COMPLEXLA-036401/06/2020VOCPR Waste Heat Boiler13.37lb/hrGood combustion practices and oxidation catalystNucor Steel Kankakee, Inc.II01262/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)10197ton/yearGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.II01262/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual Units(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.II012611/1/2018, updated 2/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual Units(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.II01262/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual Units(BACT-PSD )	FG LA COMPLEX	LA-0364	01/06/2020	SO2	PR Waste Heat Boiler	8.03 lb/hr	Use of pipeline quality natural gas or fuel gas.
Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019CO2eGas-Fired Space Heaters (25 MMBtu/hr)ID197ton/yearGood combustion practices (Compliance with limit in accordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT- PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT- PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075(BACT-PSD )	FG LA COMPLEX	LA-0364	01/06/2020	VOC	PR Waste Heat Boiler	13.37 lb/hr	Good combustion practices and oxidation catalyst
Nucor Steel Kankakee, Inc.11/1/2018, updated 2/19/2019Co2eGas-Fired Space Heaters (25 MMBtu/hr)Ion/yearGood combustion practices (Compliance with limit in acordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.II-012611/1/2018, updated 2/19/2019FPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD)Nucor Steel Kankakee, Inc.II-012611/1/2018, updated 2/19/2019FPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD)Nucor Steel Kankakee, Inc.II-012611/1/2018, updated 2/19/2019FPM2.5Gas-Fired Space Heaters (25 MBtu/hr)Ib/MMBtu Individual 0.0075Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD)							
Nucor Steel Kankakee, Inc.IL-01262/19/2019CO2eMMBtu/hr1019ton/yearaccordance with provisions of 40 CFR Part 98)Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM10Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual Units(Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual Units(BACT-PSD )			11/1/2018, updated	d	Gas-Fired Space Heaters (25		Good combustion practices (Compliance with limit in
Nucor Steel Kankakee, Inc.       IL-0126       11/1/2018, updated 2/19/2019       TPM10       Gas-Fired Space Heaters (25 MMBtu/hr)       Ib/MMBtu Individual 0.0075       (Test methods EPA/OAR Mthd 201 and OTM 28) (BACT PSD )         Nucor Steel Kankakee, Inc.       IL-0126       11/1/2018, updated 2/19/2019       TPM2.5       Gas-Fired Space Heaters (25 MMBtu/hr)       Ib/MMBtu Individual 0.0075       (BACT-PSD )	Nucor Steel Kankakee, Inc.	IL-0126	2/19/2019	CO2e	MMBtu/hr)	10197 ton/year	accordance with provisions of 40 CFR Part 98)
Nucor Steel Kankakee, Inc.       11/12018, updated       Gas-Fired Space Heaters (25       Ib/MMBtu Individual       (Test methods EPA/OAR Mthd 201 and OTM 28) (BACT         Nucor Steel Kankakee, Inc.       IL-0126       11/12018, updated       PM10       Gas-Fired Space Heaters (25       Ib/MMBtu Individual       (Test methods EPA/OAR Mthd 201 and OTM 28) (BACT         Nucor Steel Kankakee, Inc.       IL-0126       11/12018, updated       PM10       Gas-Fired Space Heaters (25       Ib/MMBtu Individual       (BACT-PSD)		12 0120				10177 tony year	
Nucor Steel Kankakee, Inc.IL-0126IL/1/2018, updated 2/19/2019TPM10MMBtu/hr)0.0075UnitsPSD )Nucor Steel Kankakee, Inc.IL-012611/1/2018, updated 2/19/2019TPM2.5Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.0075Ib/MMBtu Individual Units(BACT-PSD )			11/1/2018 updated	d	Gas-Fired Space Heaters (25	lb/MMBtu Individual	(Test methods FPA/OAR Mthd 201 and OTM 28) (BACT-
Nucor Steel Kankakee, Inc.     IL-0126     IL/1/2018, updated 2/19/2019     Invito     INVIDUATION     ID/0005     Invito     ID/0005     ID/0005	Nucor Steel Kankakee, Inc	II -0126	2/19/2010	TPM10	MMBtu/br)	0.0075/Units	PSD )
Nucor Steel Kankakee, Inc.IL-0126I1/1/2018, updated 2/19/2019Gas-Fired Space Heaters (25 MMBtu/hr)Ib/MMBtu Individual 0.007Ib/MMBtu Individual UnitsId10/2019TPM2.50MMBtu/hr)0.007Units(BACT-PSD)		11-0120		11 1/110		0.0075 01113	
Nucor Steel Kankakee, Inc.IL-01262/19/2019TPM2.5MMBtu/hr)0.0075Units(BACT-PSD)			$\frac{11}{1}$ $\frac{11}{2}$ $\frac{11}{1}$	а	Gas-Fired Space Heaters (25	lh/MMBtu Individual	
	Nucor Steel Kankakes Inc	II _0126	2/10/2010, upualed	трм2 5	MMBtu/hr)	0.0075 Unite	(BACT-PSD)
	ווענטו סופפו המווגמגפפ, ווונ.	11-0120	2/ 19/ 2019	11 1112.0		0.0075 01115	

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Unit 54- Waste Heat Boiler

Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
				4			
		9/6/2018, updated		Natural gas-fired boiler (Boiler B01)			Good combustion practices, use only natural gas, equip
Green Bay Packaging, Inc Shipping Container Division	WI-0266	2/19/2019	VOC	(35 MMBtu/hr)	0.0055	5 lb/MMBtu	boiler with Low NOx burners and flue gas recirculation
						,	
		9/6/2018, updated		Natural gas-fired boiler (Boiler B01)			Good combustion practices, use only natural gas, equip
Green Bay Packaging, Inc Shipping Container Division	WI-0266	2/19/2019	CO2e	(35 MMBtu/hr)	160	lb CO2e/1000 lb steam	boiler with Low NOx burners and flue gas recirculation
		9/6/2018, updated		Space heaters (process P53) (40			Good combustion practices, use only natural gas, equip
Green Bay Packaging, Inc Shipping Container Division	W1-0266	2/19/2019	VOC	MMBtu/hr)	0.0055	b/MMBtu	with Low NOx burners
		0/(/2018) and to d		Crease hasters (ans see PE2) (40			Good combustion practices, use only natural gas, equip
Cusan Bar Barling Ing. Chinging Container Division	WI 0266	9/6/2018, updated	CO2	MARty (by)			with Low NOX burners minimum design annual rule
Green bay Packaging, Inc Snipping Container Division	VV1-0200	2/ 19/ 2019	COZe		no numerical limit		
							Ultra-low NOx burners and flue gas recirculation air
				Auxiliary Boiler (96 MMBtu/hr) (used			preheater, automated combusion managment system with
		7/30/2018, updated	1	on an intermittent basis (up to 4000			O2 trim system and automated water blowdown, and good
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	hrs/yr)	0.011	lb/MMBtu 3-hr avg	combustion practices (LAER)
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	1	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	hrs/yr)	1.1	lb/hr	Permit Limit
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	ł	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	hrs/yr)	2.2	2 ton/year	Permit Limit
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	1	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	СО	hrs/yr)	0.037	<sup>7</sup> lb/MMBtu 3-hr avg	Good Combustion Practices(BACT-PSD)
				Auxiliary Boiler (96 MMBtu/hr) (used			
	U. 01 <b>0</b> 0	7/30/2018, updated		on an intemittent basis (up to 4000		- 11 /1	
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	0	hrs/yr)	3.6	lb/hr	Permit Limit
		7/20/2018 undated	1	Auxiliary Boller (96 MMBtu/ hr) (used			
CDU Three Piyers LLC Energy Conter	II 0120	2/10/2010, updated		bro (vr)	7	top /war	Pormit Limit
Cr v Three Rivers, LLC - Energy Center	11-0129	2/19/2019		Auviliary Boiler (96 MMBtu/br) (used	1.2		
		7/30/2018 undated	TPM (PM PM10	on an intermittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	and $PM2.5$ )	hrs/vr)	0.0075	ino units listed	Good Combustion Practices(BACT-PSD)
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	1 TPM (PM, PM10	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	and PM2.5)	hrs/yr)	0.72	2 lb/hr	Permit Limit
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	d TPM (PM, PM10	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	and PM2.5)	hrs/yr)	1.44	ton/year	Permit Limit
				Auxiliary Boiler (96 MMBtu/hr) (used			
		7/30/2018, updated	l Sulfuric Acid (mist,	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	vapors, etc)	hrs/yr)	0.1	l lb/hr	Good Combustion Practices(BACT-PSD)
				Auxiliary Boiler (96 MMBtu/hr) (used			
	H 0100	7/30/2018, updated	Sulfuric Acid (mist,	on an intemittent basis (up to 4000			
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	vapors, etc)	hrs/yr)	0.2	2 ton/year	Permit Limit
		7/20/2019 and data	t t	Auxiliary Boller (96 MMBtu/ hr) (used		ton /mon 12 month	
CPU Three Rivers IIC Energy Conter	II _01 <b>2</b> 0	2/10/2010, updated	$1_{\rm CO20}$	bre (vr)	22500	rolling avg	Cood Compution Practices (BACT PCD)
CI V IIIIee Nivers, LLC - Ellergy Celler	11-0127	2/ 17/ 2017	0020	1113/ y1)	22300		Good Compusiton i rachces(DAC1-15D)
		7/30/2018_updated	1				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	Fuel Heater (12.80 MMBtu/hr)	0.011	lb/MMBtu	LAER NSPS - Low NOx burners
	I	, ,					

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Reu – upualeu ili 2022					•		
Facility Name	RBLCID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
		7/30/2018, updated	ł				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	Fuel Heater (12.80 MMBtu/hr)	0.45	5 lb/hr	Permit Limit
		7/30/2018. updated	1				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	NOx	Fuel Heater (12.80 MMBtu/hr)	2.0	) ton/year	Permit Limit
CPW Three Pirrore LLC Energy Conter	II 01 <b>2</b> 0	7/30/2018, updated		Eucl Hostor (12 80 MMBty /br)	0.05	llb /br	Cood Combustion Practices (BACT DSD)
Cr V Three Rivers, ELC - Energy Center	11-0129	2/ 19/ 2019		ruer Heater (12.00 WiWiDtu/III)	0.00		Good Combustion Practices(DACT-15D)
		7/30/2018, updated	1				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	СО	Fuel Heater (12.80 MMBtu/hr)	1.02	2 lb/hr	Permit Limit
		7/30/2018. updated	1				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	со	Fuel Heater (12.80 MMBtu/hr)	4.5	ton/year	Permit Limit
<u> </u>		- / /					
CPV Three Pivore LLC Energy Conter	II _0129	7/30/2018, updated	TPM (PM, PM10	Fuel Hestor (12.80 MMBtu /br)	0.0075	IL/MMB+1	Good Computing Practices (BACT-PSD)
CI V IIItee Rivers, EEC - Energy Center	11-0129	2/19/2019			0.0070		Good Combustion Practices(DAC1-15D)
		7/30/2018, updated	l Sulfuric Acid (mist,				
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	vapors, etc)	Fuel Heater (12.80 MMBtu/hr)	0.014	l lb/hr	Good Combustion Practices(BACT-PSD )
		7/30/2018, updated	1			ton/vear 12-month	
CPV Three Rivers, LLC - Energy Center	IL-0129	2/19/2019	CO2e	Fuel Heater (12.80 MMBtu/hr)	6600	) rolling avg	Good Combustion Practices(BACT-PSD)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018 undated	1	FUALIXBOILER: Auviliary Boiler (99.9			Good Combustion Practices Low Sulfur Fuel (BACT_PSD
Plant	MI-0435	2/19/2019	СО	MMBtu/hr)	0.007	<sup>7</sup> lb/mmbtu hourly	SIP)
DTE Electric Company - Belle River Combined Cycle Power	MI 0425	7/16/2018, updated		EUAUXBOILER: Auxiliary Boiler (99.9		7 11- /1 1 1	Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
	1/11-0433	2/ 19/ 2019			0.7		
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	1	EUAUXBOILER: Auxiliary Boiler (99.9	)		Low NOx Burners/Flue Gas Recirculation (SCR not cost
Plant	MI-0435	2/19/2019	NOx	MMBtu/hr)	0.036	b lb/mmbtu hourly	effective) (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	1	EUAUXBOILER: Auxiliary Boiler (99.9			Low NOx Burners/Flue Gas Recirculation (SCR not cost
Plant	MI-0435	2/19/2019	NOx	MMBtu/hr)	3.6	blb/hr hourly	effective) (BACT-PSD SIP)
		- / /					
DTE Electric Company - Belle River Combined Cycle Power	MI-0435	$\frac{7}{16}$ 2018, updated	FPM	EUAUXBOILER: Auxiliary Boiler (99.9	0.007	lh/mmhtu hourly	Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
	1011-0433	2/19/2019			0.007		
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	l	EUAUXBOILER: Auxiliary Boiler (99.9	)		Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
Plant	MI-0435	2/19/2019	FPM	MMBtu/hr)	0.7	<sup>7</sup> lb/hr hourly	SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018. updated	1	EUAUXBOILER: Auxiliary Boiler (99.9			Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
Plant	MI-0435	2/19/2019	TPM10	MMBtu/hr)	0.007	/ lb/mmbtu hourly	SIP)
		- / /					
DTE Electric Company - Belle River Combined Cycle Power	ML-0435	7/16/2018, updated		EUAUXBOILER: Auxiliary Boiler (99.9	0.7	/lb/br bourly	Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
	1011-0433	2/ 19/ 2019			0.7		
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	1	EUAUXBOILER: Auxiliary Boiler (99.9			
Plant	MI-0435	2/19/2019	TPM2.5	MMBtu/hr)	0.075	b lb/mmbtu hourly	Good Combustion Practices (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018 undated	1	EUAUXBOILER: Auxiliary Boiler (99 G			
Plant	MI-0435	2/19/2019	TPM2.5	MMBtu/hr)	7.49	b/hr hourly	Good Combustion Practices (BACT-PSD SIP)

KNO Restart RBLC Search Summary

Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUAUXBOILER: Auxiliary Boiler (99.9			
Plant	MI-0435	2/19/2019	VOC	MMBtu/hr)	0.008	lb/mmbtu hourly	Good Combustion Controls (BACT-PSD SIP)
DTE Electric Commence Rolle River Compliand Cords Research		7/1(/2019) and determined		ELLALIVEOU ED. Associliante Pailar (00.0			
DIE Electric Company - Belle River Combined Cycle Power	MI 0425	7/16/2018, updated	VOC	EUAUABOILER: Auxiliary Boiler (99.9	0.9	lb/br bourty	Cood Compution Controls (BACT PSD SID)
	1011-0433	2/19/2019	VUC		0.0	107 fir flouriy	Good Compustion Controls (DAC1-F3D SIF)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	Sulfuric Acid (mist.	EUAUXBOILER: Auxiliary Boiler (99.9		gr s/100 scf Fuel supplier	Good Combustion Practices, Low Sulfur Fuel (BACT-PSD
Plant	MI-0435	2/19/2019	vapors, etc)	MMBtu/hr)	0.34	records	NSPS SIP)
			1 /				
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUAUXBOILER: Auxiliary Boiler (99.9		ton/year 12-month	Energy Efficiency Measures, Use of Natural Gas (BACT-
Plant	MI-0435	2/19/2019	CO2e	MMBtu/hr)	25623	rolling time period	PSD)
DTE Electric Company Belle River Combined Cycle Power		7/16/2018 undeted		ELIELIEL HTP1: Natural gas fired fuel			
Plant	MI-0435	2/19/2010, updated	CO	heater (20.80 MMBtu/hr)	0.77	lb/br bourly	Good Compussion Controls (BACT-PSD SIP)
	1011-0435	2/17/2017			0.77		
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR1: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	NOx	heater (20.80 MMBtu/hr)	0.75	lb/hr hourly	Low NOx Burners (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR1: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	FPM	heater (20.80 MMBtu/hr)	0.15	lb/hr hourly	Low Sulfur Fuel (BACT-PSD SIP)
DIE Electric Company - Belle River Combined Cycle Power	MI 0425	7/16/2018, updated	TDN/10	EUFUELHIKI: Natural gas fired fuel	0.15	lb/br bourty	Low Sulfur Fuel (Oxidation catalyst is not economically
	1011-0433	2/ 19/ 2019			0.10	107 fir flouriy	leasible) (DACT-13D SIT)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR1: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	TPM2.5	heater (20.80 MMBtu/hr)	0.15	lb/hr hourly	Low Sulfur Fuel (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR1: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	VOC	heater (20.80 MMBtu/hr)	0.17	lb/hr hourly	Good Combustion Controls (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power	MI 0425	7/16/2018, updated	Sulfuric Acid (mist,	EUFUELHIRI: Natural gas fired fuel	0.24	gr s/ 100 scf Fuel supplier	Low Sulfur Eucl (PACT DCD SID)
	1011-0433	2/19/2019	vapors, etc)	fleater (20.80 MiMbtu/ IIr)	0.34	ton/year 12-month	Low Sullur Fuel (BACT-FSD SIF)
						rolling time period	
						(combined	
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR1: Natural gas fired fuel		EUFUELHTR1 and	
Plant	MI-0435	2/19/2019	CO2e	heater (20.80 MMBtu/hr)	6310	EUFUELHTR2)	Natural Gas Fuel (BACT-PSD)
DTE Electric Company - Belle River Combined Cycle Power	MI 0425	7/16/2018, updated	<u> </u>	EUFUELH1K2: Natural gas fired fuel	0.14	11. /1 1	Card Combustion Controls (BACT DCD CID)
Plant	MII-0435	2/19/2019	0	heater (3.80 MMBtu/ hr)	0.14	10/ nr nourly	Good Compustion Controls (BACT-PSD SIP)
DTF Electric Company - Belle River Combined Cycle Power		7/16/2018 updated		FUELIELHTR2: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	NOx	heater (3.80 MMBtu/hr)	0.14	lb/hr hourly	Low NOx Burners (BACT-PSD SIP)
					0.11	io, in nourly	
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR2: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	FPM	heater (3.80 MMBtu/hr)	0.03	lb/hr hourly	Low Sulfur Fuel (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated		EUFUELHTR2: Natural gas fired fuel	_		Low Sulfur Fuel (oxidation catalyst not economically
Plant	MI-0435	2/19/2019	TPM10	heater (3.80 MMBtu/hr)	0.03	lb/hr hourly	teasible) (BACT-PSD SIP)
DTE Electric Company Rollo Pivor Combined Cycle Person		7/16/2010 undated		FIJEIJEI HTP2: Natural and find find			
Plant	MI-0435	2/19/2010, upualeu	TPM2 5	heater (3.80 MMBtu/hr)	0.03	lb/br bourly	BACT PSD SIP I OW Sulfur Fuel (BACT-PSD SIP)
1 10110	1111 0100	-/ -/ -01/	11112.0	incareer (0.00 minibia)	0.00		

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
							-
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	l	EUFUELHTR2: Natural gas fired fuel			
Plant	MI-0435	2/19/2019	VOC	heater (3.80 MMBtu/hr)	0.03	lb/hr hourly	Good Combustion Controls (BACT-PSD SIP)
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018, updated	Sulfuric Acid (mist	, EUFUELHTR2: Natural gas fired fuel		gr s/100 scf Fuel supplier	r
Plant	MI-0435	2/19/2019	vapors, etc)	heater (3.80 MMBtu/hr)	0.34	records	Low Sulfur Fuel (BACT-PSD SIP)
						ton/year 12-month	
						rolling time period	
DTE Electric Company - Belle River Combined Cycle Power		7/16/2018 undated		FUEUEI HTR2: Natural gas fired fuel		FUFUFI HTR1 and	
Plant	MI-0435	2/19/2019	CO2e	heater (3.80 MMBtu/hr)	6310	EUFUELHTR2)	Natural Gas Fuel (BACT-PSD)
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated	l	EUAUXBOILER (North Plant):			Good Combustion Practices (oxidation catalyst not
South, LLC	MI-0433	2/19/2019	СО	Auxiliary Boiler (61.5 MMBtu/hr)	0.08	lb/MMBtu hourly	economically feasible) (BACT-PSD SIP)
							Low NOx Burners/flue gas recirculation and good
Marshall Energy Center LLC - MEC North, LLC and MEC	NI 0400	6/29/2018, updated	NO	EUAUXBOILER (North Plant):		lb/MMBtu 30-day	combustion practices (SCR not economically feasible)
South, LLC	MI-0433	2/19/2019	NOx	Auxiliary Boiler (61.5 MMBtu/hr)	0.04	rolling avg time period	(BAC1-P5D SIP)
Marshall Energy Center LLC - MEC North LLC and MEC		6/29/2018 updated		EUAUXBOILER (North Plant)			
South, LLC	MI-0433	2/19/2019	FPM	Auxiliary Boiler (61.5 MMBtu/hr)	0.005	lb/MMBtu hourly	Good Combustion Practices (BACT-PSD SIP)
						, ,	
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated	l	EUAUXBOILER (North Plant):			Good Combustion Practices (no control equipment
South, LLC	MI-0433	2/19/2019	TPM10	Auxiliary Boiler (61.5 MMBtu/hr)	0.46	lb/hr hourly	economically feasible) (BACT-PSD SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC	1 (1 0 1 0 0	6/29/2018, updated		EUAUXBOILER (North Plant):		11 /1 1 1	Good Combustion Practices (no control equipment
South, LLC	MI-0433	2/19/2019	1PMI2.5	Auxiliary Boiler (61.5 MMBtu/hr)	0.46	lb/hr hourly	economically feasible) (BAC1-PSD SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018 undated		FUALIXBOILER (North Plant)			Good Combustion Practices (oxidation catalysts not
South, LLC	MI-0433	2/19/2019	VOC	Auxiliary Boiler (61.5 MMBtu/hr)	0.004	lb/MMBtu hourly	economically feasible) (BACT-PSD SIP)
				······································	0.000		
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated	l	EUAUXBOILER (North Plant):			Good Combustion Practices and use of pipeline quality
South, LLC	MI-0433	2/19/2019	SO2	Auxiliary Boiler (61.5 MMBtu/hr)	1.8	lb/MMscf monthly	natural gas (BACT-PSD NSPS SIP)
							Good Combustion Practices and use of pipeline quality
							natural gas (emission factor based on natural gas material
Marshall Energy Center LLC - MEC North, LLC and MEC	1 (1 0 (00	6/29/2018, updated		EUAUXBOILER (North Plant):		gr s/100 scf Fuel supplier	r limit of 2,000 grains of sulfur per MMSCF) (BACT-PSD
South, LLC	MI-0433	2/19/2019	502	Auxiliary Boiler (61.5 MMBtu/hr)	0.6	records	NSP5 SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018 undated		ELIALIXBOILER (North Plant)		ton/vear 12-month	Energy efficiency measures and the use of a low carbon fuel
South, LLC	MI-0433	2/19/2019	CO2e	Auxiliary Boiler (61 5 MMBtu/br)	31540	rolling time period	(nipeline quality natural gas) (BACT-PSD)
						formig time period	(prpenne quanty natural gas) (prier rob)
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated	l	EUAUXBOILER (South Plant):			Good Combustion Practices (oxidation catalyst not
South, LLC	MI-0433	2/19/2019	СО	Auxiliary Boiler (61.5 MMBtu/hr)	0.08	lb/MMBtu hourly	economically feasible) (BACT-PSD SIP)
		( /00 /0010 1 + 1				11 / ) (D) (D) (0) 1	Low NOx Burners/flue gas recirculation and good
Marshall Energy Center LLC - MEC North, LLC and MEC	MI 0422	6/29/2018, updated	NOv	EUAUXBOILER (South Plant):	0.04	ID/ MMBtu 30-day	(PACT BED SID)
South, EEC	1011-0433	2/19/2019	NOX	Auxiliary boller (61.5 Mivibitu/ III)	0.04	folling avg time period	(DAC1-13D 3H)
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated		EUAUXBOILER (South Plant):			
South, LLC	MI-0433	2/19/2019	FPM	Auxiliary Boiler (61.5 MMBtu/hr)	0.005	lb/MMBtu hourly	Good Combustion Practices (BACT-PSD SIP)
			Ì		1		
Marshall Energy Center LLC - MEC North, LLC and MEC		6/29/2018, updated	l	EUAUXBOILER (South Plant):			Good Combustion Practices (no control equipment
South, LLC	MI-0433	2/19/2019	TPM10	Auxiliary Boiler (61.5 MMBtu/hr)	0.46	lb/hr hourly	economically feasible) (BACT-PSD SIP)
South LLC	MI-0433	0/29/2018, updated	TPM2 5	EUAUADUILEK (South Plant): Auxiliary Boiler (61 5 MMBty /br)	0.44	lb/br bourly	economically feasible) (BACT-PSD SIP)
	1111 0100			riannary boner (01.0 minibia/ m)	0.40	i i i i i i i i i i i i i i i i i i i	

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
Marshall Energy Center LLC - MEC North, LLC and MEC South, LLC	MI-0433	6/29/2018, updated 2/19/2019 VOC	EUAUXBOILER (South Plant): Auxiliary Boiler (61.5 MMBtu/hr)	0.004 lb/MMBtu hourly	Good Combustion Practices (oxidation catalysts not economically feasible) (BACT-PSD SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC South, LLC	MI-0433	6/29/2018, updated 2/19/2019 SO2	EUAUXBOILER (South Plant): Auxiliary Boiler (61.5 MMBtu/hr)	1.8 lb/MMscf monthly	Good Combustion Practices and use of pipeline quality natural gas (BACT-PSD NSPS SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC South, LLC	MI-0433	6/29/2018, updated 2/19/2019 SO2	EUAUXBOILER (South Plant): Auxiliary Boiler (61.5 MMBtu/hr)	gr s/100 scf Fuel supplier 0.6 records	Good Combustion Practices and use of pipeline quality natural gas (emission factor based on natural gas material limit of 2,000 grains of sulfur per MMSCF) (BACT-PSD NSPS SIP)
Marshall Energy Center LLC - MEC North, LLC and MEC South, LLC	MI-0433	6/29/2018, updated 2/19/2019 CO2e	EUAUXBOILER (South Plant): Auxiliary Boiler (61.5 MMBtu/hr)	ton/year 12-month 31540 rolling time period	Energy efficiency measures and the use of a low carbon fue (pipeline quality natural gas) (BACT-PSD)
Dominion Energy Transmission, Inc Mockingbird Hill Compressor Station	WV-0031	6/14/2018, updated 9/24/2018 TPM2.5	WH-1 - Boiler (8.72 MMBtu/hr)	ton/year 12-month 0.28 rolling	Limited to Natural Gas (Monitoring is limit to either fuel usage or tracking hours of operation) (BACT-PSD SIP)
Dominion Energy Transmission, Inc Mockingbird Hill Compressor Station	WV-0031	6/14/2018, updated 9/24/2018 TPM10	WH-1 - Boiler (8.72 MMBtu/hr)	ton/year 12-month 0.28 rolling	Limited to Natural Gas (Monitoring is limit to either fuel usage or tracking hours of operation) (BACT-PSD SIP)
Dominion Energy Transmission, Inc Mockingbird Hill Compressor Station	WV-0031	6/14/2018, updated 9/24/2018 TPM	WH-1 - Boiler (8.72 MMBtu/hr)	ton/year 12-month 0.28 rolling	Limited to Natural Gas (Monitoring is limit to either fuel usage or tracking hours of operation) (BACT-PSD SIP)
Dominion Energy Transmission, Inc Mockingbird Hill Compressor Station	WV-0031	6/14/2018, updated 9/24/2018 CO2e	WH-1 - Boiler (8.72 MMBtu/hr)	ton/year 12-month 4468 rolling	Restricted to pipeline quality natural gas and tune-up the boiler once every five years (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 CO	Auxiliary Boiler (77.8 MMBtu/hr)	2.88 lb/hr	Good Combustion Practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 CO	Auxiliary Boiler (77.8 MMBtu/hr)	6.58 tons/year	Good Combustion Practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 CO	Auxiliary Boiler (77.8 MMBtu/hr)	0.037 lb/MMBtu	Good Combustion Practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 NOx	Auxiliary Boiler (77.8 MMBtu/hr)	0.86 lb/hr	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 NOx	Auxiliary Boiler (77.8 MMBtu/hr)	1.96 tons/year	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 NOx	Auxiliary Boiler (77.8 MMBtu/hr)	0.0011 lb/MMBtu	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 TPM	Auxiliary Boiler (77.8 MMBtu/hr)	0.6 lb/hr	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD SIP)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 TPM	Auxiliary Boiler (77.8 MMBtu/hr)	1.38 tons/year	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD SIP)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 TPM	Auxiliary Boiler (77.8 MMBtu/hr)	0.008 lb/MMBtu	Low NOx Burners/flue gas recirculation and good combustion practices (BACT-PSD SIP)
ESC Harrison County Power, LLC - Harrison County Power Plant	WV-0029	3/27/2018, updated 6/25/2018 VOC	Auxiliary Boiler (77.8 MMBtu/hr)	0.62 lb/hr	Use of Natural Gas, Good Combustion Practices (BACT- PSD SIP)

KNO Restart RBLC Search Summary

Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

**Unit 52- Waste Heat Boiler** 

Unit 53- Waste Heat Boiler

**Unit 54- Waste Heat Boiler** Red = updated in 2022

RBLC ID Permit Issue Date Pollutant Facility Name Process Name ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated WV-0029 6/25/2018 VOC Plant Auxiliary Boiler (77.8 N ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated WV-0029 5/25/2018 VOC Auxiliary Boiler (77.8 N Plant ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated Sulfuric Acid (mist, WV-0029 6/25/2018 vapors, etc) Auxiliary Boiler (77.8 N Plant ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated Sulfuric Acid (mist, WV-0029 6/25/2018 vapors, etc) Plant Auxiliary Boiler (77.8 N 3/27/2018, updated Sulfuric Acid (mist, ESC Harrison County Power, LLC - Harrison County Power WV-0029 6/25/2018 Auxiliary Boiler (77.8 N Plant vapors, etc) 3/27/2018, updated ESC Harrison County Power, LLC - Harrison County Power WV-0029 6/25/2018 CO2e Plant Auxiliary Boiler (77.8 N ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated WV-0029 5/25/2018 CO2e Auxiliary Boiler (77.8 N Plant ESC Harrison County Power, LLC - Harrison County Power 3/27/2018, updated 6/25/2018 Plant WV-0029 CO2e Auxiliary Boiler (77.8 N Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated Center FL-0363 (draft) 4/11/2018 CO 99.8 MMBtu/hr Auxili Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated FL-0363 (draft) 4/11/2018 SO2 99.8 MMBtu/hr Auxili Center Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated Sulfuric Acid (mist, FL-0363 (draft) 4/11/2018 99.8 MMBtu/hr Auxili Center vapors, etc) Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated Center FL-0363 (draft) 4/11/2018 FPM 99.8 MMBtu/hr Auxili Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated FL-0363 (draft) 4/11/2018 TPM10 99.8 MMBtu/hr Auxili Center Florida Power and Light Company - Dania Beach Energy 12/4/2017, updated 4/11/2018 FL-0363 (draft) TPM2.5 Center 99.8 MMBtu/hr Auxili MI-0424 (draft) 12/5/2016,7/31/17 (update of MI-Holland Board of Public Works - East 5th Street 0412) update EUAUXBOILER (Auxil CO 12/5/2016,7/31/17 Holland Board of Public Works - East 5th Street MI-0424 (draft) update EUAUXBOILER (Auxil NOx 12/5/2016,7/31/17 Holland Board of Public Works - East 5th Street MI-0424 (draft) update FPM EUAUXBOILER (Auxil 12/5/2016, 7/31/17 Holland Board of Public Works - East 5th Street MI-0424 (draft) update TPM10 EUAUXBOILER (Auxiliary Boiler)

	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
MMBtu/hr)	1.42	tons/year	Use of Natural Gas, Good Combustion Practices (BACT- PSD SIP)
MMBtu/hr)	0.008	lb/MMBtu	Use of Natural Gas, Good Combustion Practices (BACT- PSD SIP)
MMBtu/hr)	0.0132	lb/hr	Use of Natural Gas (BACT-PSD SIP)
MMBtu/hr)	0.03	tons/year	Use of Natural Gas (BACT-PSD SIP)
MMBtu/hr)	0.0002	lb/MMBtu	Use of Natural Gas (BACT-PSD SIP)
MMBtu/hr)	9107	lb/hr emission limit	Use of Natural Gas (BACT-PSD)
MMBtu/hr)	20837	tons/year emission limit	Use of Natural Gas (BACT-PSD)
MMBtu/hr)	9107	lb/hr standard emission	Use of Natural Gas (BACT-PSD)
iary Boiler	0.08	lb/MMBtu	Clean Fuel (Compliance by initial and annual stack test (EPA/OER mthd 10), or manufacturer guarantee. CO also serves as proxy for VOC.) (BACT-PSD)
iary Boiler	no numeric limit		Clean Fuel (May only fire natural gas with sulfur content less than 2 grains per 100 scf. This limits SO2, SAM, PM, PM10, and PM2.5) (BACT-PSD NSPS)
iary Boiler	no numeric limit		Clean Fuel (May only fire natural gas with sulfur content less than 2 grains per 100 scf. This limits SO2, SAM, PM, PM10, and PM2.5) (BACT-PSD NSPS)
iary Boiler	no numeric limit		less than 2 grains per 100 scf. This limits SO2, SAM, PM, PM10, and PM2.5) (BACT-PSD NSPS)
iary Boiler	no numeric limit		less than 2 grains per 100 scf. This limits SO2, SAM, PM, PM10, and PM2.5) (BACT-PSD)
iary Boiler	no numeric limit		less than 2 grains per 100 scf. This limits SO2, SAM, PM, PM10, and PM2.5) (BACT-PSD)
liary Boiler)	0.077	lb/MMBtu Test protocol will specify avg time	SIP - Good combustion practices (83.5 MMBtu/hr)
liary Boiler)	0.05	lb/MMBtu Test protocol will specify avg time	SIP - Low NOx burners/Internal flue gas recirculation and good combustion practices (83.5 MMBtu/hr)
liary Boiler)	0.0018	lb/MMBtu Test protocol will specify avg time	Good combustion practices (83.5 MMBtu/hr)
liary Boiler)	0.007	lb/MMBtu Test protocol will specify avg time	SIP - Good combustion practices (83.5 MMBtu/hr)

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Unit 54- Waste Heat Boiler

Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
		12/5/2016 7/31/1	7		lb/MMBtu Test protocol	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	update	TPM2.5	EUAUXBOILER (Auxiliary Boiler)	0.007 will specify avg time	SIP - Good combustion practices (83.5 MMBtu/hr)
		12/5/2016 7/31/1	7		lb/MMBtu Test protocol	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	update	VOC	EUAUXBOILER (Auxiliary Boiler)	0.008 will specify avg time	Good combustion practices (83.5 MMBtu/hr)
		12/5/2016,7/31/12	7		tpy 12-month rolling	
Holland Board of Public Works - East 5th Street	MI-0424 (draft)	update 11/22/2016	CO2e	EUAUXBOILER (Auxiliary Boiler)	43283 time period	Good combustion practices (83.5 MMBtu/hr)
Rextac, LLC - Odessa Petrochemical Plant	TX-0813 (draft)	12/1/16 update	VOC	Small Boiler	0.0005 MMBtu/hr	NSPS Dc - Best combustion practices (39.9 MMBtu/hr)
						NSPS - Ultra low NOx burners, FGR, good combustion
		0/2/1(-7/21/17)			Lth / M (Dhu Arra of 2.1	practices (Operation of the auxiliary boiler shall not exceed
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	9/2/16,7/31/17 update	NOx	Auxilary boiler	0.11 hr test runs	MMBtu/hr)
						NSPS - Ultra low NOx burners, FGR, good combustion
						practices (Operation of the auxiliary boiler shall not exceed
ODVER STREET FOR CONTRACTOR	DA 0210	9/2/16,7/31/17	NO	A 11 1 11	tpy 12-month rolling	4000 hrs in any continuous 12-month period) (92.4
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	NOx	Auxilary boiler	2.03 basis	MMBtu/ hr)
						NSPS - ULSD and good combustion practices (Operation of
		9/2/16, 7/31/17			lb/MMBtu Avg of 3 1-hr	the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	СО	Auxilary boiler	0.037 test runs	continuous 12-month period) (92.4 MMBtu/hr)
						NSPS - III SD and good combustion practices (Operation of
		9/2/16,7/31/17			tpy 12-month rolling	the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	СО	Auxilary boiler	6.84 basis	continuous 12-month period) (92.4 MMBtu/hr)
		0/2/16 7/21/17				NSPS - ULSD and good combustion practices (Operation of
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	TPM	Auxilary boiler	0.007 lb/MMBtu	continuous 12-month period) (92.4 MMBtu/hr)
						NSPS - ULSD and good combustion practices (Operation of
CDV Estavious LLC CDV Estavious Engance Conton	DA 0210	9/2/16,7/31/17			tpy 12-month rolling	the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	FA-0510	update	1 1 101	Auxilary boller	1.29 basis	continuous 12-montin period) (92.4 MMBtu/hr)
						NSPS - ULSD and good combustion practices (Operation of
		9/2/16,7/31/17				the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	TPM10	Auxilary boiler	0.007 lb/MMBtu	continuous 12-month period) (92.4 MMBtu/hr)
						NSPS - ULSD and good combustion practices (Operation of
		9/2/16,7/31/17			tpy 12-month rolling	the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	TPM10	Auxilary boiler	1.29 basis	continuous 12-month period) (92.4 MMBtu/hr)
						NERC LILED and another the struction of the section of
		9/2/16 7/31/17				the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	TPM2.5	Auxilary boiler	0.007 lb/MMBtu	continuous 12-month period) (92.4 MMBtu/hr)
		-				
		0/0/16 5/01/15				NSPS - ULSD and good combustion practices (Operation of
CPV Fairview LLC - CPV Fairview Energy Center	PA-0310	9/2/16,7/31/17 update	TPM2 5	Auxilary boiler	tpy 12-month rolling 1 29 basis	continuous 12-month period) (92.4 MMBtu/hr)
ci i fundicit, Elec ci v fundicit Energy center	111 0010	apuare	111,12,0		1.2) 04010	
						NSPS - ULSD and good combustion practices (Operation of
		9/2/16,7/31/17	NOC		lb/MMBtu Avg of 3 1-hr	the auxiliary boiler shall not exceed 4000 hrs in any
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	update	VOC	Auxilary boiler	0.004 test runs	continuous 12-month period) (92.4 MMBtu/hr)

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit Emission Limit Units	BACT Determination
CPV Fairview, LLC - CPV Fairview Energy Center	PA-0310	9/2/16, 7/31/17 update	VOC	Auxilary boiler	tpy 12-month rolling 0.74 basis	NSPS - ULSD and good combustion practices (Operation of the auxiliary boiler shall not exceed 4000 hrs in any continuous 12-month period) (92.4 MMBtu/hr)
		7/19/16, 11/3/16			lb/hr avg of three 1-hour	NSPS - Low Nox burners and FGR and use of natural gas
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	update	NOx	Auxilary boiler	0.975 initial stack test	as a clean burning fuel (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update 7/19/16, 11/3/16	NOx	Auxilary boiler	lb/MMBtu avg of three 1 0.01 hour initial stack test	NSPS - Low Nox burners and FGR and use of natural gas as a clean burning fuel (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	update	СО	Auxilary boiler	3.6 initial stack test	combustion practices (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	VOC	Auxilary boiler	lb/hr avg of three 1-hour 0.488 initial stack tests initially	Use of natural gas as a clean burning fuel and good combustion practices (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	FPM	Auxilary boiler	lb/hr avg of three 1-hour 0.181 initial stack tests initially	Use of natural gas as a clean burning fuel and good combustion practices (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	TPM10	Auxilary boiler	lb/hr avg of three 1-hour 0.488 initial stack tests initially	Use of natural gas as a clean burning fuel and good combustion practices (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	TPM2.5	Auxilary boiler	lb/hr avg of three 1-hour 0.488 initial stack tests initially	Use of natural gas as a clean burning fuel and good combustion practices (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	SO2	Auxilary boiler	0.128 lb/hr	Use of natural gas as a clean burning fuel low sulfur fuel (SUBJECT TO NJDEP STATE-OF-THE-ART REQUIREMENTS) (97.5 MMBtu/hr)(4000.00 H/YR)
Stonegate Power, LLC - Middlesex Energy Center, LLC	NJ-0085	7/19/16, 11/3/16 update	Sulfuric Acid (Mist, Vapors, etc)	, Auxilary boiler	0.01 lb/hr	Use of natural gas as a clean burning fuel low sulfur fuel (97.5 MMBtu/hr)(4000.00 H/YR)
DTE Gas Company - Milford Compressor Station	MI-0420	6/3/16, 4/27/17 update	NOx	FGAUXBOILERS	ppmv at 15% O2; Test 14 Protocol (each boiler)	SIP - Ultra Low NOx Burners and good combustion practices (2 boilers at 6 MMBtu/hr each)
DTE Gas Company - Milford Compressor Station	MI-0420	6/3/16, 4/27/17 update	со	FGAUXBOILERS	lb/MMBtu each; Test 0.08 Protocol	SIP - Good combustion practices and clean burn fuel (pipeline quality natural gas) (2 boilers at 6 MMBtu/hr each)
DTE Gas Company - Milford Compressor Station	MI-0420	6/3/16, 4/27/17 update	TPM10	FGAUXBOILERS	lb/MMBtu each; Test 0.0075 Protocol	SIP - Good combustion practices and low sulfur fuel (pipeline quality natural gas) (2 boilers at 6 MMBtu/hr each)
DTE Gas Company - Milford Compressor Station	MI-0420	6/3/16, 4/27/17 update	TPM2.5	FGAUXBOILERS	lb/MMBtu each; Test 0.0075 Protocol	SIP - Good combustion practices and low sulfur fuel (pipeline quality natural gas) (2 boilers at 6 MMBtu/hr each)
DTE Gas Company - Milford Compressor Station	MI-0420	6/3/16, 4/27/17 update	CO2e	FGAUXBOILERS	tpy 12-month rolling 6155 time period	Use of pipeline quality natural gas and energy efficiency measures (2 boilers at 6 MMBtu/hr each)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16, 7/25/16 update	NOx	Auxiliary Boiler firing natural gas	lb/hr avg of three 1-hour 0.8 stack tests	NSPS - Low NOx burners and FGR (80 MMBtu/hr)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16, 7/25/16 update	NOx	Auxiliary Boiler firing natural gas	lb/MMBtu avg of three 1 0.01 hour stack tests	NSPS - Low NOx burners and FGR (80 MMBtu/hr)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16, 7/25/16 update	со	Auxiliary Boiler firing natural gas	lb/hr avg of three 1-hour 2.88 stack tests	Use of good combustion practices and use of natural gas a clean burning fuel (80 MMBtuhr)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16,7/25/16 update	VOC	Auxiliary Boiler firing natural gas	0.32 stack tests	Use of good combustion practices and use of natural gas a clean burning fuel (80 MMBtuhr)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16,7/25/16 update	FPM	Auxiliary Boiler firing natural gas	0.26 stack tests	Use of natural gas a clean burning fuel (80 MMBtuhr)
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	3/10/16, 7/25/16 update	TPM10	Auxiliary Boiler firing natural gas	lb/hr avg of three 1-hour 0.4 stack tests	Use of natural gas a clean burning fuel (80 MMBtuhr)
PSEG Fossil LLC Sewaren Generating Station	NI-0084	update	TPM2.5	Auxiliary Boiler firing natural gas	0.4 stack tests	Use of natural gas a clean burning fuel (80 MMBtuhr)

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup

Unit 50- Waste Heat Boiler

Unit 51- Waste Heat Boiler

Unit 52- Waste Heat Boiler

Unit 53- Waste Heat Boiler

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	<b>Emission Limit Units</b>	BACT Determination
		3/10/16,7/25/16					
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	update	SO2	Auxiliary Boiler firing natural gas	0.12	lb/hr	Use of natural gas a low sulfur fuel (80 MMBtu/hr)
		3/10/16,7/25/16	Sulfuric Acid (Mist				
PSEG Fossil LLC Sewaren Generating Station	NJ-0084	update	Vapors, etc)	Auxiliary Boiler firing natural gas	0.02	lb/hr	Use of natural gas a low sulfur fuel (80 MMBtu/hr)
0		3/9/16,7/6/16	1 /			,	Proper combustion prevents CO - only ng, limited to 2000
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	СО	Auxiliary Boiler, 99.8 MMBtu/hr	0.08	lb/MMBtu	hours per year
		3/9/16,7/6/16				,	1 5
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	NOx	Auxiliary Boiler, 99.8 MMBtu/hr	0.05	b/MMBtu	Low NOx burners - only ng, limited to 2000 hours per year
		3/9/16,7/6/16				,	Use of natural gas with sulfur content less than 2 grains /
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	TPM	Auxiliary Boiler, 99.8 MMBtu/hr	10	% Opacity	100 scf - only ng, limited to 2000 hours per year
		3/9/16,7/6/16				1 5	Use of low-sulfur gas - only ng, limited to 2000 hours per
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	SO2	Auxiliary Boiler, 99.8 MMBtu/hr		gr s/100 scf gas	vear
		3/9/16,7/6/16				8 -7 8	Use of natural gas only - only ng, limited to 2000 hours per
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	CO2e	Auxiliary Boiler, 99.8 MMBtu/hr	No numeric limit	No numeric limit	vear
							Must have NOx emission design value less than 0.1
		3/9/16.7/6/16					lb/MMBtu (fueled only with ng, may operate one at a time
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	update	NOx	Two Natural Gas Heaters	0 1	lb/MMBt11	10  MMBtu/hr
i londa i over a Elgin Oneechobee eran Energy eenter	12 0000	3/9/16.7/6/16			0.1		Use of low-sulfur fuel (fueled only with ng may operate
Florida Power & Light - Okeechobee Clean Energy Center	FL-0356	undate	502	Two Natural Gas Heaters		$\sigma r s / 100 scf \sigma as$	one at a time 10 MMBtu/hr)
Fiorau Fower a Eight Okeenobee elean Energy eenter	12 0000	upuute	002				Natural Gas Fuel (Numerous gas-fired heaters will be
		1/19/2016 7/7/16					installed. The application requested that the sizes all be
Commercial Metals Company - CMC Steel Oklahoma	OK-0173	1/17/2010,7/7/10	CO20	Hostors (Cas-Fired)	12(	1b/MMB+11	kont confidential)
Commercial Metals Company - Civic Steel Oklaholita	014-0175	upuate	COZE	Heaters (Gas-Hieu)	120		Natural Cas Fuel (Numerous gas fired heaters will be
		1/10/2016 7/7/16					installed. The application requested that the sizes all he
Commercial Motals Company, CMC Steel Oklahoma	OV 0173	1/19/2010,7/7/10	<u> </u>	Heators (Cas Fired)	0.08/	11 / MARE	kont confidential)
Commercial Metals Company - Civic Steel Oklahoma	OK-0175	upuale	0	Tieaters (Gas-Filed)	0.004	ib/ MiMblu	Natural Cas Fuel (Numerous gas fired heaters will be
		1/10/2016 7/7/16					installed. The application requested that the sizes all he
Commercial Metals Commerce CMC Steel Oldehome	OV 0172	1/19/2010, ////10	NOV	Liestern (Cas Eired)	0.1		kont confidential)
Commercial Metals Company - CMC Steel Oklanoma	OK-0175	upuate	NOX	Heaters (Gas-Fired)	0.1	ID/ MINIDTU	Natural Cas Fuel (Numerous and fined heaters will be
		1/10/2016 7/7/16					installed. The application requested that the sizes all he
	OK 0172	1/19/2010, ////10	TDM10	Liestern (Cas Eired)	0.007		listaned. The application requested that the sizes all be
Commercial Metals Company - CMC Steel Oklanoma	OK-0175	upuate	111110	Heaters (Gas-Fired)	0.0076	10/ MINIDTU	Natural Cas Fuel (Numerous and fired heaters will be
		1/10/2016 7/7/16					installed. The emplication requested that the sizes all he
	OK 0172	1/19/2010, ////10		Liestern (Cas Eired)	0.007		listaned. The application requested that the sizes all be
Commercial Metals Company - CMC Steel Oklanoma	OK-0175	upuate	11112.3	Heaters (Gas-Fired)	0.0076	10/ MINIDTU	Natural Cas Fuel (Numerous and fired heaters will be
		1/10/2016 7/7/16					installed. The emplication requested that the sizes all he
	OK 0172	1/19/2010, ////10	VOC	Liestern (Cas Eired)	0.005		listaned. The application requested that the sizes all be
Commercial Metals Company - CNIC Steel Oklahoma	OK-0175	update	VUC	Heaters (Gas-Fired)	0.0055	ib/ MMBtu	kept confidential.)
							Flue gas recirculation and good combustion practices,
							including good equipment design, use of gaseous fuels for
							good mixing, and proper combustion techniques (63
							MMBtu/hr - Natural Gas and Vent Gas). Aggregate NOx
							emissions from the boilers are capped at 10.05 TPY (GRP
							11). Good combustion practices shall include monitoring of
							the flue gas oxygen content, combustion air flow, fuel
							consumption, and flue gas temperature. These parameters
							shall be maintained within the manufacturer's
							recommended operating guidelines or within a range that
							is otherwise indicative of proper operation of the emissions
		7/12/16,9/19/16		Firetube Boiler Nos. 1 and 2 (4-08, EOT	Г		unit. The PSD permit also references the 30 ppmvd @ 3%
Equistar Chemicals, LP - Westlake Facility	LA-0295	update	NOx	324 & 5-08, EOT 325)	2.75	lb/hr maximum	O2 limit as a "three 1-hour testing average."

KNO Restart RBLC Search Summary Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler Unit 51- Waste Heat Boiler Unit 52- Waste Heat Boiler Unit 53- Waste Heat Boiler Unit 54- Waste Heat Boiler

Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/16, 9/19/16 update	NOx	Firetube Boiler Nos. 1 and 2 (4-08, EQT 324 & 5-08, EQT 325)	30	ppmvd @ 3% O2 annual ) average	Flue gas recirculation and good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques (63 MMBtu/hr - Natural Gas and Vent Gas). Aggregate NOx emissions from the boilers are capped at 10.05 TPY (GRP 11). Good combustion practices shall include monitoring o the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emission unit. The PSD permit also references the 30 ppmvd @ 3% O2 limit as a "three 1-hour testing average."
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/16, 9/19/16 update	VOC	Firetube Boiler Nos. 1 and 2 (4-08, EQT 324 & 5-08, EQT 325)	0.21	lb/hr maximum	Oxidation catalyst and good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques. (63 MMBtu/hr - Natural Gas and Vent Gas). Aggregate VOC emissions from the boilers are capped at 0.90 TPY (GRP 11 Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emissions unit. The PSD permit also references the 2.8 ppmvd @ 3% O2 limit as a "three 1-hour testing average."
Equistar Chemicals, LP - Westlake Facility	LA-0295	7/12/16, 9/19/16 update	VOC	Firetube Boiler Nos. 1 and 2 (4-08, EQT 324 & 5-08, EQT 325)	2.8	ppmvd @ 3% O2 annual average	Oxidation catalyst and good combustion practices, including good equipment design, use of gaseous fuels for good mixing, and proper combustion techniques. (63 MMBtu/hr - Natural Gas and Vent Gas). Aggregate VOC emissions from the boilers are capped at 0.90 TPY (GRP 11 Good combustion practices shall include monitoring of the flue gas oxygen content, combustion air flow, fuel consumption, and flue gas temperature. These parameters shall be maintained within the manufacturer's recommended operating guidelines or within a range that is otherwise indicative of proper operation of the emission unit. The PSD permit also references the 2.8 ppmvd @ 3% O2 limit as a "three 1-hour testing average."
Flint Hills Resources Houson Chemical LLC - PL Propylene Houston Olefins Plant	TX-0803 (draft)	7/12/16. 8/31/16 update					Includes 5 turbines, 1 regen air heater, and one duct burne exhausting through one stack to provide regenerative hot air to catalyst beds
Subaru of Indiana Automotive, Inc.	IN-0239	2/18/16, 9/14/16 update	VOC	Boiler	0.005	b/MMBtu	38 MMBtu/hr - Miscellaneous process heaters and boilers from (this is where the description ends)

Pryor Plant Chemical Company	OK-0135	2/23/2009 CO	Boilers #1 and #2	6.6 lbs/hr 1 hour/8 hour Good operating practices
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002 CO	Boiler, NO. 9	0.09 lb/MMBtu Unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009 Formaldehyde	Boilers #1 and #2	0.1 lb/hr unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009 NOx	Boilers #1 and #2	4 lb/hr 3-H/168-H rolling dLow NOx burners and good combustion practices
Pryor Plant Chemical Company	OK-0135	2/23/2009 NOx	Boilers #1 and #2	0.2 lb/MMBtu state limit Low NOx burners and good combustion practices
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002 NOx	Boiler, NO. 9	0.084 lb/MMBtu Unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009 PM	Boilers #1 and #2	0.6 lb/hr Unknown

KNO Restart **RBLC Search Summary** Search: "boiler", "heater" - All Results for boilers <100 MMBtu/hr, not included in startup Unit 50- Waste Heat Boiler Unit 51- Waste Heat Boiler Unit 52- Waste Heat Boiler Unit 53- Waste Heat Boiler Unit 54- Waste Heat Boiler Red = updated in 2022

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	<b>Emission Limit</b>	Emission Limit Units	BACT Determination
Pryor Plant Chemical Company	OK-0135	2/23/2009	PM10	Boilers #1 and #2	0.5	lb/hr 24-hour	Unknown
Williams Refining & Marketing, L.L.C.	TN-0153	4/3/2002	PM10	Boiler, NO. 9	0.0075	lb/MMBtu	Unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009	SO2	Boilers #1 and #2	0.2	lb/hr	Unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009	SO2	Boilers #1 and #2	0.2	lb/MMBtu state limit	unknown
Pryor Plant Chemical Company	OK-0135	2/23/2009	VOC	Boilers #1 and #2	0.5	lb/hr	unknown

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.

Unit 65 - Diesel Well Pump Unit 66 - Gasoline Fire Pump Did not update in 2017

Facility Name	RBLC ID	Permit Issue Date	Pollutant	Process Name	Emission Limit	Emission Limit Units	BACT Determination
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Carbon Dioxide Equival	Emergency Water Pumps	164	LB/MMBTU	Good Operating Practices
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Particulate matter, filtera	Emergency Water Pumps	1	G/BHP-HR	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Particulate matter, total	Emergency Water Pumps	1	G/BHP-HR	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Particulate matter, total	Emergency Water Pumps	1	G/BHP-HR	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Visible Emissions (VE)	Emergency Water Pumps	20	) %	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Sulfur Dioxide (SO2)	Emergency Water Pumps	15	PPM SULFUR IN FUEL	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Volatile Organic Compo	Emergency Water Pumps	1.12	G/BHP-HR	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Carbon Monoxide	Emergency Water Pumps	3.03	G/BHP-HR	Subpart IIII
							Good Operating Practices, limited hours of operation, Compliance with NSPS
BIG RIVER STEEL LLC	AR-0173	1/31/2022	Nitrogen Oxides (NOx)	Emergency Water Pumps	14.06	6 G/BHP-HR	Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Particulate matter, total	Generators and Firewater Pumps Engines	0	)	Comply with 40 CFR 60 Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Particulate matter, total	Generators and Firewater Pumps Engines	0		Comply with 40 CFR 60 Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Volatile Organic Compo	Generators and Firewater Pumps Engines	0	)	Comply with 40 CFR 60 Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Carbon Monoxide	Generators and Firewater Pumps Engines	0	)	Comply with 40 CFR 60 Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Carbon Dioxide Equival	Generators and Firewater Pumps Engines	0		Comply with 40 CFR 60 Subpart IIII
LASALLE BIOENERGY LLC	LA-0386	5/5/2021	Nitrogen Oxides (NOx)	Generators and Firewater Pumps Engines	0		Comply with 40 CFR 60 Subpart IIII
Iowa Fertilizer Company	IA-0105	10/26/2012	CH4	Fire Pump	0.0001	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	СО	Fire Pump	3.5	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	СО	Fire Pump	0.45	tons/year rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	CO2	Fire Pump	1.55	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	CO2e	Fire Pump	91	tpy rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Fire Pump	3.75	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	NOx	Fire Pump	0.49	tons/year rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Fire Pump	0.2	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM	Fire Pump	0.03	tons/year rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Fire Pump	0.2	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM10	Fire Pump	0.03	tons/year rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Fire Pump	0.2	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	PM2.5	Fire Pump	0.03	tons/year rolling 12 month total	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	Visible Emissions	Fire Pump	5	% 6 minute average	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Fire Pump	0.25	g/kw-hr average of 3 stack tests	Good Combustion Practices
Iowa Fertilizer Company	IA-0105	10/26/2012	VOC	Fire Pump	0.03	tons/year rolling 12 month total	Good Combustion Practices
Ohio Valley Resources, LLC	TBD	9/25/2013	СО	Diesel-Fired Emergency Firewater Pump	2.6	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	CO2	Diesel-Fired Emergency Firewater Pump	527.4	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	NOx	Diesel-Fired Emergency Firewater Pump	2.86	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM	Diesel-Fired Emergency Firewater Pump	0.15	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM10	Diesel-Fired Emergency Firewater Pump	0.15	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	PM2.5	Diesel-Fired Emergency Firewater Pump	0.15	g/hp-hr 3 hour average	good combustion practices
Ohio Valley Resources, LLC	TBD	9/25/2013	VOC	Diesel-Fired Emergency Firewater Pump	0.141	g/hp-hr 3 hour average	good combustion practices

Notes:

Highlighted fields represent the lowest limit in common units (e.g., lb/MMBtu). Other units may be shown; however, there is not enough information to convert to common units or averaging times.