Ash Grove (ID# 4129)

Facility Mailing Address: 16215 Highway 50; Louisville, NE; 68037
Facility Phone Number: (402) 234-2415
Facility Contact: **Roger Behrns**
Facility Contact Email: **roger.behrns@ashgrove.com**

Ash Grove Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existance on August 7, 1977? (Y or N)	Was this Unit in Operation after August 7, 1962? (Y or N)	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
416.KD1	**ACL Kiln**	3	Y (1974)	Y (1974)	175.0	2335.0	3046.0	-	-
603	**ACL Cooler**	3	Y (1974)	Y (1974)	46.0	-	-	-	-
316.BM1	**Raw Mill**	3	Y (1972)	Y (1972)	62.0	38.0	136.0	-	-
1011	**Rail Receiving Coal**	3	Y (1975)	Y (1975)	1.0	-	-	-	-
-	**Raw Material Handling**	3	Y (1973)	Y (1973)	132.0	-	-	-	-
514.BM1	**Finish Mill No. 1**	3	Y (1972)	Y (1972)	61.0	-	-	-	-
524.BM1	**Finish Mill No. 2**	3	Y (1972)	Y (1972)	51.0	-	-	-	-
				Total PTE per Pollutant	**528.0**	**2373.0**	**3182.0**	**0.0**	**0.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.

Additional Information

Attachment D

Beatrice Nitrogen Plant (ID# 23383)

Facility Mailing Address: 21178 SW 89th Rd; Beatrice, NE; 68310
Facility Phone Number: (402) 223-3577
Facility Contact: **Patricia Hurd**
Facility Contact Email: **hurdp@kochind.com**

Beatrice Nitrogen Plant Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?^A	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit in Operation after August 7, 1962? (Y or N)	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
1-1 (101-B)	**Primary Reformer** (399 mmbtu/hr)	21.Chemical Process Plant	Y (1965)	Y (1965)	13.3	262	2.5	2.4	-
1-2 (101-B)	**Primary Reformer** (purge gas stream)	21.Chemical Process Plant	Y (1965)	Y (1965)	-	28.4	-	-	-
1-4 (101-B-1)	**Auxiliary Boiler** 240 mmbtu/hr	22.Combination of Fossil Fuel-fired Boilers	Y (1965)	Y (1965)	8	294	0.6	5.8	3.4
3-1 (2009-U)	**Emergency Use Boiler (Pawnee)** 21mmcf/hr	22.Combination of Fossil Fuel-fired Boilers	Y (1968)	Y (1968)	0.7	9.2	0.05	0.5	0.3
4-1 (102B)	**Process Start-Up Heater** 27 mmbtu/hr	21. Chemical Process Plant	Y (1965)	Y (1965)	0.9	11.8	0.1	0.6	0.4
5-1 (103-B)	**Aqua Ammonia Heater** 8 mmbtu/hr	21. Chemical Process Plant	Y (1965)	Y (1965)	0.3	3.5	0.02	0.2	0.1
6-1 (2011-U)	**Natural Gas Pilot Flare** 1.26 mmbtu/hr	21. Chemical Process Plant	Y (1965)	Y (1965)	0.04	50.4	0.003	0.03	0
6-1 (2011-U)	**Ammonia Flare** * Based on PTE ammonia flared per year	21. Chemical Process Plant	Y (1965)	Y (1965)	0	0	0	0	0.4
8-1 (104-B)	**Catalytic Combuster Nitric Acid Tail Gas** (23.3 Mmbtu/hr)	10. Hydrofluoric, sulfuric, and nitric acid plants	Y (1970)	Y(1970)	0.8	135	0.1	0.5	1003
9-1 (105-B)	**Incinerator** 32 mmbtu/hr	21. Chemical Process Plant	Y (1969)	Y (1969)	8.7	127	1.4	3.2	0.7
12-1 (2200-UA)	**Ammonia Process Cooling Tower** 28,000 gpm water recirc rate- -- Chlorine/PM10	21. Chemical Process Plant	Y (1965)	Y (1965)	15	-	-	-	-
15-1 (102-E)	**Carbon Dioxide Regenerator**	21. Chemical Process Plant	Y (1965)	Y (1965)	-	-	-	5.2	-
21-1 (PIC-66)	**Start-Up Vent (PIC-66 Hi Vent)** Emits process gas 6 cold starts per year	21. Chemical Process Plant	Y (1965)	Y (1965)	-	-	-	-	-
21-2 (PIC-5)	**Start-Up Vent (PIC-5 Lo Vent)** Emits process gas 6 cold starts per year	21.Chemical Process Plant	Y (1965)	Y (1965)	-	-	-	-	-
22-1	**Nitric Acid Tank Vent**	10. Hydrofluoric, sulfuric, and nitric acid plants	Y(1970)	Y(1970)		2.5			
23-1	**Ammonia Rail & Truck Loading**		Y (1965)	Y (1965)					1.7
24-1	**Ammonia Process (Fugitive Emissions)**	21. Chemical Process Plant	Y (1965)	Y (1965)					40
25-1	**UAN Plant Process (Fugitve Emissions)**	21. Chemical Process Plant	Y (1969)	Y (1969)					9.5
				Total PTE per Pollutant	**47.74**	**923.8**	**4.773**	**18.43**	**1059.5**

* Categories: 21 is chemical process plant: 22 is combustion of fossil fuel-fired boilers and 10 is Hydrofluoric, sulfuric and nitric acid plants
** Old tower existed in the 1960' s until replacement in 1997
*** Replaced with closed stripper system in 1994

C.W. Burdick Station (ID# 54712)

Facility Mailing Address: P.O. Box 1968; Grand Island, NE; 68801
Facility Phone Number: (308) 385-5495
Facility Contact: Emily Wise
Facility Contact Email: ewise@giud.com

C.W. Burdick Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
Unit 2	**310 MMBtu/hr EGU** Fueled by Natural Gas/No. 6 Fuel Oil Generates Steam	1	Y (1963)	Y (1963)	366.0	678.9	3394.5	6.9	-
Unit 3	**631 MMBtu/hr EGU** Fueled by Natural Gas/No. 6 Fuel Oil Generates Steam	1	Y (1969)	Y (1969)	631.3	1243.7	6909.5	14.0	-
				Total PTE per Pollutant	**997.3**	**1922.6**	**10304.0**	**20.9**	**0.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Information
PTE's are based on maximum limits set by permit conditions and are based on emission factors from AIRS database

Don Henry Power Center (ID# 58345)

Facility Mailing Address: Hastings Utilities; 1228 N. Denver Avenue; Hastings, NE: 68901
Facility Phone Number: (402) 463-1371
Facility Contact: **Marty Stange**
Facility Contact Email: **mstange@hastingsutilities.com**

Don Henry Power Center Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
Don Henry Power Center	**352.74 MMBtu/hr EGU** Fueled by Natural Gas/Diesel Fuel Generates Steam	1	Y (1971)	Y (1971)	18.5	1359.601	780.2	3.2	-
				Total PTE for Pollutant	**18.5**	**1359.6**	**780.2**	**3.2**	**0.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Information
Maximum Potential to Emit from most conservative fuel
Emissions calculated on 11/1/05 to reflect Air Chief Emission Rates

Lon D. Wright Power Plant (ID# 48518)

Facility Mailing Address: P.O. Box 1468; Fremont, NE; 68026-1468
Facility Phone Number: (402) 727-2644
Facility Contact: **Bob Realph**
Facility Contact Email: **brealph@fremontne.net**

Lon D. Wright Power Plant Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
7B	**264 MMBtu/hr EGU** Fueled by 131,400 tons/year of Coal Generates Steam	1	Y (1963)	Y (1963)	20.26	788.4	632.36	3.94	0.04
8B	**997.7 MMBtu/hr EGU** Fueled by 499,320 tons/year of Coal Generates Steam	1	Y (1976	Y (1976)	76.98	2,995.92	2,402.98	14.98	0.14
				Total PTE for Pollutant	**97.2**	**3784.3**	**3035.3**	**18.9**	**0.2**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Information
Emission Factors from FIRE 6.25 were used to determine PTE
Ash and Sulfur contents are based on the limitations established in the Title V permit

North Denver Station (ID# 55721)

Facility Mailing Address: Hastings Utilities; 1228 N. Denver Avenue; Hastings, NE; 68901
Facility Phone Number: (402) 463-1371
Facility Contact: **Marty Stange**
Facility Contact Email: **mstange@hastingsutilities.com**

North Denver Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
Unit 5	**327.9 MMBtu/hr EGU** Fueled by Natural Gas/Diesel Fuel Generates Steam	1	Y (1967)	Y (1967)	13.6	425.60	852.81	8.359	-
				Total PTE for Pollutant	**13.6**	**425.6**	**852.8**	**8.4**	**-**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Information
PTE for most conservative fuel type using AIR CHIEF emission factors

NPPD-Gerald Gentleman Station (ID# 34385)

Facility Mailing Address: NPPD; 1414 15th Street; Columbus, NE 68601
Facility Phone Number: (402) 563-5364
Facility Contact: **Piyush Srivastav**
Facility Contact Email: **p1sriva@nppd.com**

NPPD Gerald Gentleman Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year) *				
					PM_{10}	NO_x	SO_x	VOC	NH_3
1-1	**>250 MMBtu/hr EGU** Fueled by Coal/Natural Gas/Fuel Oil Generates Steam	1	Y (1973)	Y (1973)	2230	23100	39600	112	-
2-1	**>250 MMBtu/hr EGU** Fueled by Coal/Natural Gas/Fuel Oil Generates Steam	1	Y (1977)	Y (1977)	2230	23100	39600	112	-
				Total PTE for Pollutant	**4460.0**	**46200.0**	**79200.0**	**224.0**	**0.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

*** This data to be used to determine BART eligibility only, not for modeling purposes**
PTEs for NO_x and SO_x are based on maximum limits set by permit conditions. PTEs for PM_{10} and VOCs are based on an AP-42 emission factors.
Maximum Potential to Emit from most conservative fuel type
Actual emissions are considerably lower than PTE's

NPPD-Sheldon Station (ID# 33563)

Facility Mailing Address: NPPD; 1414 15th Street; Columbus, NE 68601
Facility Phone Number: (402) 563-5364
Facility Contact: **Piyush Srivastav**
Facility Contact Email: **p1sriva@nppd.com**

NPPD Sheldon Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit placed into Operation after August 7, 1962?	Potential to Emit (tons/year) *				
					PM_{10}	NO_x	SO_x	VOC	NH_3
1-1	**>250 MMBtu/hr EGU** Fueled by Coal/Natural Gas/TDF/Scrap Rubber Generates Steam	1	Y (1968)	Y (1968)	908	6020	15100	39	–
2-1	**>250 MMBtu/hr EGU** Fueled by Coal/Natural Gas/TDF/Scrap Rubber Generates Steam	1	Y (1961)	N (1961)					
				Total PTE for Pollutant	**908.0**	**6020.0**	**15100.0**	**39.0**	**0.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

*** This data to be used to determine BART eligibility only, not for modeling purposes**
PTEs for PM_{10} and SO_x are based on maximum limits set by permit conditions. PTEs for NO_x and VOCs are based on an AP-42 emission factors.
Maximum Potential to Emit from most conservative fuel type
Actual emissions are considerably lower than PTE's

OPPD Nebraska City Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit in Operation after August 7, 1962? (Y or N)	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
Unit 1	**Apprx. 6840 MMBtu/hr EGU** Fueled by Coal/Oil Generates Steam	1	Y	Y	43,792	19,040	45,696	127	18
				Total PTE for Pollutant	**43792.0**	**19040.0**	**45696.0**	**127.0**	**18.0**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Information

OPPD-North Omaha Station (ID# 59763)

Facility Mailing Address: 444 South 16th Street Mall; Omaha, NE 68102-2247
Facility Phone Number: (402) 636-2307
Facility Contact: **Jane Spires**
Facility Contact Email: **jspires@oppd.com**

OPPD North Omaha Station Potential to Emit from BART Eligible Emission Units

Emission Point (Unit ID)	Unit Description (Include MMBtu/hr if applicable)	Which of the 26 Categories does this Unit fall into?[A]	Was this Unit in Existence on August 7, 1977? (Y or N)	Was this Unit in Operation after August 7, 1962? (Y or N)	Potential to Emit (tons/year)				
					PM_{10}	NO_x	SO_x	VOC	NH_3
4BB	**Apprx. 1450 MMBtu/hr EGU** Fueled by fossil fuels Generates Steam	1	Y	Y	406	3786	15309	29	0.2
5BC	**Apprx. 2200 MMBtu/hr EGU** Fueled by fossil fuels Generates Steam	1	Y	Y	504	10634	18974	37	0.3
				Total PTE for Pollutant	**910.0**	**14420.0**	**34283.0**	**66.0**	**0.5**

[A]Number refers to Category. See "Category Numbers" Spreadsheet.
EGU = Electrical Generating Unit

Additional Informatio Maximum Potential to Emit (tons/year) from Class I Permit (except ammonia)

Maximum Potential to Emit from most conservative fuel type???

Numbers corresponding to the 26 BART eligible Categories

Which of the 26 Categories does this Unit fall into?

Category Number	Category
1	Fossil fuel fired steam electric plants with a combined total of more than 250 MMBtu/hr heat input
2	Coal Cleaning plants (thermal dryers)
3	Portland cement plants
4	Primary zinc smelters
5	Primary aluminum ore reduction plants
6	Primary copper smelters
7	Municipal incinerators capable of chaging more than 250 tons of refuse per day
8	Hydrofluoric, sulfuric, and nitric acid plants
9	Phosphate rock processing plants
10	Carbon black plants (furnace process)
11	Fossil fuel fired boilers with a combined total of more than 250 MMBtu/hr heat input
12	Petroleum storage and transfer facilities with a combined capacity exceeding 300,000 barrels
13	Kraft pulp mills
14	Lime plants
15	Sintering plants
16	Coke oven batteries
17	Primary lead smelters
18	Iron and steel mill plants
19	Sulfur recovery plants
20	Petroleum refineries
21	Chemical process plants
22	Taconite ore processing facilities
23	Charcoal production facilities
24	Glass fiber processing plants
25	Fuel conversion plants
26	Secondary metal production facilities