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NDEQ Air Quality Division

EMISSION INVENTORY

Inventory Timeline

- January 1 – Report forms mailed
- March 31 – Completed reports due
- June 1 – Fee invoices mailed
- June 1 – Emission fees due

Report Forms

- NDEQ website www.deq.state.ne.us
- Select links for “Publications & Forms” and “Air Quality”
- Link for “2011 Air Emissions Inventory Report Forms” under “Applications and Forms” section.

Emission Fee

- Based on program costs and chargeable emission tonnages reported.
- 2011 fee was \$64.00
- Projected fee for 2012 is \$67.00
- Fee assessment information located on NDEQ website along with report forms.

National Emissions Inventory

- www.epa.gov/ttn/chief
- Stationary and Mobile source emissions
- Tracks trends
- Air dispersion modeling
- Toxics risk assessment

State of Nebraska Department of Environmental Quality 2011 AIR EMISSIONS INVENTORY FORM 10 GENERAL INFORMATION									
Facility Name			Facility ID #			NAICS Code			
Facility Location (Address Or Directions)			City Or Nearest Community			Zip Code			
Facility Mailing Address (if different from above)			City, State			Zip Code			
County Name		Classification		Facility Phone Number		Facility Contact			
				Facility Fax Number		Email Address			
Fill out the information below after completing all applicable forms.									
EMISSIONS STATEMENT									
Total Plant Emissions (Tons Per Year)									
CO	NH3	NOx	Lead	PM10	PM2.5	SOx	VOC	Greatest Single HAP	Other HAPs
Total Plant Greenhouse Gas Emissions (Tons Per Year)									
CO2	N2O	CH4	PFCS	HFCs	SF6				
Chargeable Emissions (Tons)									
NOx	Lead	PM10	SOx	VOC	Greatest Single HAP	Other HAPs			
CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS									
<small>Note: This certification must be signed by a <u>responsible official</u> as defined in Title 129. Unsigned inventories will be considered incomplete and may be subject to penalties.</small>									
I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this inventory are true, accurate, and complete.									
Signature of Responsible Official			Name & Title (printed)				Date		

FORM 1.1 PROCESS FLOW DIAGRAM

Facility Name	Facility ID#	Year of Inventory 2011
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Please use this page or a separate sheet to provide a process flow diagram. Do not forget to include all processes used in your facility which produce air emissions. Make sure to label each process. Identify all emission points (including fugitive, if required) and air pollution control equipment. Be sure to provide an identification number for each emission point. Use the same identification number(s) throughout the entire inventory form.

FORM 2.0 PROCESS INFORMATION

Facility Name	Facility ID#	Year of Inventory 2011
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Facility Operating Schedule

Hours of Operation/Day	Days of Operation/Week	Weeks of Operation/Year	Hours of Operation/Year
Normal Business Hours			

Operating Rate Data

Process Number	Type of Material	Design Capacity	Nameplate Capacity	Raw Material Hourly Throughput	Raw Material Annual Throughput	Product Description	Final Product Annual Throughput

Air Pollution Control Equipment Information

Process Number	Date Installed	Description of Control Device	Pollutant(s) Removed	Control Efficiency

Stack Parameters

Process Number	Stack Description (including lining type)	Latitude	Longitude	Height (ft)	Inside Diameter (ft)	Exit Gas Temperature (Deg F)	Exit Gas Velocity (ft/sec)	Exit Gas Flow Rate (Cu Ft/min)

FORM 2.1 EMISSION POINT INFORMATION

Facility Name	Facility ID#	Year of Inventory 2011
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Point Identification

Point No.	Process Number	Point Description
Source Classification Code (SCC)		SCC Description

Emissions Calculations

Air Pollutant	Annual Throughput (TSP)	Emission Factor (lb/ton) (E)	Emission Factor Source	Emission Control (C) (Eff. Control Efficiency)	Actual Emissions (lb/yr) (A, B, C, D, E)
CO					
NOx					
SOx					
VOC					
PM10					
PM2.5					
SVOC					
VOC					

Emission Factor Sources

- WebFIRE www.epa.gov/ttn/chief
- AP-42
- Code of Federal Regulations Part 98

CHIEF Listserv

- Clearinghouse for inventories & emission factors
- New emission factor information
- Updates to software tools

- To join the CHIEF listserv send email to:
Join-chief@lists.epa.gov

Emission Source Hierarchy

- Continuous Emission Monitor
- Stack Tests
- Mass Balance or Manufacturer's Guarantee
- Manufacturer/Engineering Estimate
- Emission Factors (WebFIRE)

Facility Specific Forms

- Grain Elevators & Feed Manufacturing
- Alfalfa Dehydrators
- Crushed Stone Processing
- Asphalt Plants
- Concrete Batch Plants
- Aggregate Facilities
- Petroleum and Chemical Storage
- Incinerators

Confidential Reports

- Provide justification for confidentiality
- Submit public copy

Inventory Audits

- Conducted randomly
- Verify emission points
- Check throughputs
- Review MSDS sheets
- Check emission and control factors

Contact Information

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