



Nebraska **Air Quality Operating Permit Application**
DEQ Form 3.0: Pollutant Emissions Summary

Section 3.1: Emissions Summary

SOURCE NAME: _____	DATE: _____
NDEQ FACILITY ID#: _____	

IMPORTANT: PLEASE READ THE INSTRUCTIONS BELOW PRIOR TO COMPLETING THIS FORM.
Please type responses or use black ink. Do NOT use pencil.

All emission points must be included in the Emission Point ID# column. For each emission point, **indicate the potential quantity, in pounds per hour (lbs/hr) and tons per year (tons/year)**, of each regulated pollutant that may be emitted. The total potential emissions for each regulated pollutant is the sum of each respective pollutant column. Attach additional copies of the tables in Section 3.1 as necessary. Please attach equations, emission factors, their sources, assumptions used in the calculations, and any other information that will help the NDEQ evaluate the emissions calculations .

Please check, if applicable: Multiple Section 3.1 pages attached

If you are providing a Substitute Section 3.1, indicate this on Form 1.0, Section 1.1 Checklist. You do not need to include blank Section 3.1 pages in your application. Be sure to include all of the information required below in your substitute document.

Table 1: Potential Emissions (lbs/hour and tons/year)

Emission Point ID#	PM		PM ₁₀		PM _{2.5}		NO _x		SO _x		CO		VOC	
	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
TOTAL														



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All emission points must be included in the Emission Point ID# column. For each emission point, **indicate the actual quantity in pounds per hour (lbs/hr) and tons per year (tons/year)** of each regulated pollutant that may be emitted. The total potential emissions for each regulated pollutant is the sum of each respective pollutant column. Attach additional pages as needed.

Table 2: Actual Emissions (lbs/hour and tons/year)

Emission Point ID#	PM		PM ₁₀		PM _{2.5}		NO _x		SO _x		CO		VOC	
	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr	lbs/hr	tons/yr
TOTAL														



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All emission points must be included in the Emission Point ID# column. For each emission point, enter the **potential** emissions of each greenhouse gas (GHG) and the total GHGs in **tons per year on a mass basis**. You must also provide **the carbon dioxide equivalents (CO₂e) in tons per year**. CO₂e is calculated by multiplying the individual GHGs emissions by the pertinent greenhouse warming potential (GWP) from Table A-1, Global Warming Potentials at 40 CFR 98 Subpart A as published in 74 Federal Register 56395 on October 30, 2009. For your convenience, we have included the GWP for Methane and Nitrous Oxide. If your source emits one or more of the GHGs not included in the table, use the columns that allow you to fill in GHGs names to report those emissions. The total potential emissions are the sum of each respective column and row.

Table 5: Potential Greenhouse Gases Emissions (tons/year and CO₂ equivalents in tons/year)

Emission Point ID#	Carbon Dioxide (CO ₂) (GWP=1)		Methane (CH ₄) (GWP=21)		Nitrous Oxide (N ₂ O) (GWP=310)						Total GHGs	Total CO ₂ e
	(ton/year mass basis)	(ton/year CO ₂ e basis)	(ton/year mass basis)	(ton/year CO ₂ e basis)	(ton/year mass basis)	(ton/year CO ₂ e basis)	(ton/year mass basis)	(ton/year CO ₂ e basis)	(ton/year mass basis)	(ton/year CO ₂ e basis)	(ton/year mass basis)	(ton/year CO ₂ e basis)
Total												

