



Section 3.1: Criteria Pollutant Emissions Summary (lb/hour)

Complete the following table so that all emission points are accounted for. Use multiple Section 3.1 forms, if needed, so all emission points are included. List each emission point that will emit any of the pollutants listed in the Emission Point ID column. For each emission point, indicate the quantity, **in pounds per hour**, of criteria pollutants that will be emitted in the respective column. Totals should be the sum of the entire column. If you have any questions, feel free to contact the Nebraska Department of Water, Energy, and Environment via DWEE.AirQuality@nebraska.gov or the Air Quality Construction Permit Section at (402) 471-2186.

Emission Point ID	PM (lb/hr)	PM ₁₀ (lb/hr)	PM _{2.5} (lb/hr)	NO _x (lb/hr)	SO _x (lb/hr)	CO (lb/hr)	VOC (lb/hr)
TOTAL							

Air Quality Construction Permit Application Form 3.0: Emissions Summary

FACILITY NAME: _____ **DATE:** _____

DWEE Facility ID: _____

Section 3.2: Criteria Pollutant Emissions Summary (ton/year)

IMPORTANT: Do **NOT** use pencil to fill out this application. Please type responses or print using blue or black ink.

Complete the following table so that all emission points are accounted for. Use multiple Section 3.2 forms, if needed, so all emission points are included. List each emission point that will emit any of the pollutants listed in the Emission Point ID column. For each emission point, indicate the quantity, **in tons per year**, of criteria pollutants that will be emitted in the respective column. Totals should be the sum of the entire column. If you have any questions, feel free to contact the Nebraska Department of Water, Energy, and Environment via DWEE.AirQuality@nebraska.gov or the Air Quality Construction Permit at (402) 471-2186.

Please check ☐ if a separate summary document is used as a replacement for this Form. Identify separate summary document with the title of this form and attach. This can be a combined summary with Sections 3.1 & 3.3.

Emission Point ID	PM (ton/yr)	PM ₁₀ (ton/yr)	PM _{2.5} (ton/yr)	NO _x (ton/yr)	SO _x (ton/yr)	CO (ton/yr)	VOC (ton/yr)
TOTAL							

Air Quality Construction Permit Application

Form 3.0: Emissions Summary

FACILITY NAME: _____	DATE: _____
DWEE Facility ID: _____	

Section 3.3: Hazardous Air Pollutant Emissions Summary

IMPORTANT: Do **NOT** use pencil to fill out this application. Please type responses or print using blue or black ink.

Complete the following table so that all emission points are accounted for. Use multiple Section 3.3 forms, if needed, so all emission points are included. Include the Hazardous Air Pollutants (HAP) that will be emitted in the largest quantities source-wide in the top row. List each emission point that will emit any HAP in the Emission Point ID column. For each emission point, indicate the quantity, **in tons per year**, of HAP that will be emitted in the respective column. Total HAPs should be the sum of the entire column or row. If you have any questions, feel free to contact the Nebraska Department of Water, Energy, and Environment via DWEE.AirQuality@nebraska.gov, or the Air Quality Construction Permit Section at (402) 471-2186.

Please check ☐ if a separate summary document is used as a replacement for this form. Identify separate summary document with the title of this Form and attach. This can be a combined summary with Sections 3.1 & 3.2.

Hazardous Air Pollutants →															
Emission Point ID ↓	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	TOTAL HAP (ton/yr)
TOTAL HAPs															



Section 3.4: Greenhouse Gas Emissions Summary (lb/hr)

Complete the following table so that all emission points are accounted for. Use multiple Section 3.4 forms, if needed, so all emission points are included. List each emission point that will emit any of the pollutants listed in the Emission Point ID column. For each emission point, indicate the quantity, in pounds per hour, of criteria greenhouse gas pollutants that will be emitted. Totals should be the sum of the entire column. If you have any questions, contact the Nebraska Department of Water, Energy, and Environment via DWEE.AirQuality@nebraska.gov or the Air Quality Construction Permit Section at (402) 471-2186.

Emission Point ID	CO ₂ (lb/hr)	CH ₄ (lb/hr)	N ₂ O (lb/hr)	HFC (lb/hr)	PFC (lb/hr)	SF ₆ (lb/hr)
TOTAL						

Air Quality Construction Permit Application Form 3.0: Emissions Summary

FACILITY NAME: _____	DATE: _____
DWEE Facility ID: _____	

Section 3.6: Carbon Dioxide Equivalent Summary (ton/year)

IMPORTANT: Do NOT use pencil to fill out this application. Please type responses or print using blue or black ink.

Complete the following table so that all carbon dioxide equivalent (CO₂e) emissions are accounted for. For each greenhouse gas pollutant, enter the quantity, in tons per year, that will be emitted in the respective column. These emission totals can be obtained from Section 3.5. For each greenhouse gas pollutant multiply the emission rate by the CO₂e emission factor to get the CO₂e emission rate. Once CO₂e emission rates have been determined for all greenhouse gas pollutants, sum all CO₂e emission rates and enter the quantity in the bottom box of the table. If you have any questions, please contact the Nebraska Department of Water, Energy and Environment via DWEE.AirQuality@nebraska.gov, or the Air Quality Construction Permit Section at (402) 471-2186.

Please check ☐ if a separate summary document is used as a replacement for this form. Identify separate summary document with the title of this form and attach. This can be a combined summary with Sections 3.1, 3.2, 3.3, 3.4, and 3.5.

Greenhouse Gas Pollutant	Emission Rate (From Form 3.4)	CO ₂ e Emission Factor	CO ₂ e Emission Rate
	(tons/year)	(tons CO ₂ e/ton pollutant)	(tons/year)
CO ₂		1	
CH ₄		28	
N ₂ O		265	
HFC		11,700	
PFC		17,300	
SF ₆		23,900	
Total CO ₂ e emissions			