



**INCINERATOR AND FLARE STACK SULFUR DIOXIDE
ANNUAL EMISSION INVENTORY REPORT - NATURAL GAS PROCESSING PLANTS**
NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF AIR QUALITY
SFN 50596 (06-14)

GENERAL

Name of Firm or Organization		Permit to Operate Number	Year of Emissions	
Mailing Address		City	State	ZIP Code
Facility Name		Facility Location		Actual Hours of Operation

OPERATIONAL DATA

Component	Quantity
INLET (WET) GAS RECEIVED	Million Cu. Ft.
NATURAL GAS PRODUCED	Million Cu. Ft.
SULFUR RECOVERED	Long Tons

INCINERATOR/FLARE DATA

Gas Type	Quantity (Million Cu. Ft.)	Average H ₂ S Mole %	Flare or Incineration Duration (Hours)
TAIL GAS INCINERATED			
ACID GAS FLARED			
INLET (WET) GAS FLARED			

SULFUR DIOXIDE EMISSIONS

Emission Point	Pounds Per Hour (Average)	Tons*
INCINERATOR STACK		
ACID GAS FLARE STACK		
INLET (WET) GAS FLARE STACK		
		TOTAL

* SO₂ emissions may be calculated with the following equation:

$$Tons SO_2 = \frac{ft^3 Gas Burned}{Year} \times \frac{H_2S mole \%}{100} \times \frac{1 lb mole SO_2}{1 lb mole H_2S} \times \frac{1 lb mole H_2S}{385.3 ft^3 **} \times \frac{64 lb SO_2}{1 lb mole SO_2} \times \frac{1 ton}{2000 lb}$$

Provide additional calculations on back or additional sheets as necessary.

** 68°F at standard conditions.

I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge is a true, correct and complete report.

Print Name of Person Submitting Report	Title	Telephone Number
Signature	Email Address	Date

Return completed form to:
North Dakota Department of Health
Division of Air Quality
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