



PERMIT APPLICATION - GLYCOL DEHYDRATION UNITS
NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF AIR QUALITY
 SFN58923 (05-11)

GENERAL

Name of Firm or Organization			Application Date
Applicant's Name	Title	Phone	Email
Mailing Address		City & State	Zip Code

FACILITY INFORMATION

Facility Name		ND Air Pollution Control Permit No. (If Applicable)		
Contact Person for Air Pollution Matters	Title	Phone Number	Email	
Facility Address (Street & no.)	City	County	State	Zip Code
Facility Location ¼ Sec. Twp. Range	Lat.	Long.	Elev.	Ref. Datum

40 CFR 63, SUBPART HH APPLICABILITY DETERMINATION

The facility is a (check one): major, or area source of hazardous air pollutants (HAP) as defined in §63.761. Attach calculations showing expected HAP emissions in accordance with §63.760(a)(1).

The facility (check all that apply):

- Processes, upgrades or stores hydrocarbon liquids prior to the point of custody transfer.
- Processes, upgrades or stores natural gas prior to the point at which natural gas enters the transmission and storage source category or is delivered to a final end user.

Identify the 40 CFR 63 Subpart HH (MACT HH) affected source:

- Glycol (ethylene, diethylene or triethylene) dehydration unit & associated equipment (located at a major source), or
- Triethylene glycol (TEG) dehydration unit (located at an area source)

The facility is exempt from MACT HH because it:

- Is a qualifying black oil facility, or
- Is a major source facility, prior to the point of custody transfer, with a facility-wide actual annual average natural gas throughput less than 18.4 thousand standard cubic meters per day and a facility-wide actual annual average hydrocarbon liquid throughput less than 39,700 liters per day.
- The facility is not exempt from MACT HH.

EMISSION UNIT INFORMATION

Complete the following for each dehydration unit and MACT HH-affected ancillary emission units:

Emission Unit Description	Emission Unit (EU) Identifier	Emission Point (EP) Number	Pollutant*	Emission Rate		Air Pollution Control Equipment
				lb/hr	ton/yr	

* Include an estimate of greenhouse gas emissions (CO₂e).

Complete the following for each glycol and triethylene glycol dehydration units:

EU	Design Capacity (MMSCFD)	Actual Throughput (MMSCFD)	Gas Pressure (psig)	Gas Temp (°F)	Wet Gas Water Content (lb/MMSCF)	Dry Gas Water Content (lb/MMSCF)	Glycol Recirc. Rate (gal/min)	VOC Emissions (ton/yr)

STACK DATA

Inside Diameter	ft.	Height Above Grade	ft.	Are Emission Control Devices in Place? <input type="checkbox"/> yes or <input type="checkbox"/> no (if yes complete SFN 8532)
Gas Temperature at Exit	°F	Gas Velocity at Exit	ft/sec.	Gas Volume
Nearest Residence or Occupied Building		Distance (ft.)	Direction	
Nearest Property Line		Distance (ft.)	Direction	

Signature of Applicant	Date
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SEND COMPLETED APPLICATION TO:

North Dakota Department of Health
 Division of Air Quality
 918 E Divide, 2nd Floor
 Bismarck, ND 58501-1947

Telephone: (701)328-5188