



PERMIT APPLICATION FOR GLYCOL DEHYDRATION UNITS

NORTH DAKOTA DEPARTMENT OF HEALTH
DIVISION OF AIR QUALITY
SFN 58923 (3-2019)

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM.
- Must include SFN 8516 or SFN 52858

SECTION A – GENERAL INFORMATION

Name of Firm or Organization	Facility Name
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SECTION B - 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.

SECTION C – EMISSION UNIT INFORMATION

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

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

Complete the following for each glycol and triethylene glycol dehydration unit.								
EU	Design Capacity (MMSCFD)	Actual Throughput (MMSCFD)	Gas Pressure (psig)	Gas Temp (°F)	Water Content (lb/MMSCF)		Glycol Recirc. Rate (gal/min)	VOC Emissions (ton/yr)
					Wet Gas	Dry Gas		

SECTION D – STACK DATA

Inside Diameter (ft)	Height Above Grade (ft)	Gas Volume (scfm)
Gas Temperature at Exit (°F)	Gas Velocity at Exit (ft/sec)	
Are Emission Control Devices in Place? If YES – Complete SFN 8532		<input type="checkbox"/> Yes <input type="checkbox"/> No
Nearest Residence or Building	Distance (ft)	Direction
Nearest Property Line	Distance (ft)	Direction

SEND COMPLETED APPLICATION AND ALL ATTACHMENTS TO:

North Dakota Department of Environmental Quality
 Division of Air Quality
 918 E Divide Avenue, 2nd Floor
 Bismarck, ND 58501-1947
 (701)328-5188