

**Air Pollution Control  
 Permit to Construct No. ACP-17845 v1.1  
 Stony Creek Compressor Station**

Amendment No. 1

Condition I.B.4. of Permit to Construct No. ACP-17845 v1.0 is rescinded in its entirety and is replaced with the following:

4. Equipment at the Facility:

<b>Emission Unit Description</b>	<b>Emission Unit (EU)</b>	<b>Emission Point (EP)</b>	<b>Air Pollution Control Equipment</b>
Waukesha 7044GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured August 2016 (NSPS JJJJ, OOOOa) (MACT ZZZZ)	C1	C1	Non-Selective Catalytic Reduction (NSCR)
Waukesha 7044GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured August 2016 (NSPS JJJJ, OOOOa) (MACT ZZZZ)	C2	C2	NSCR
Waukesha 7044GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured February 2018 (NSPS JJJJ, OOOOa) (MACT ZZZZ)	C3	C3	NSCR
Waukesha 7044GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured post-June 2010 (NSPS JJJJ, OOOOa) (MACT ZZZZ) <sup>A</sup>	C4	C4	NSCR
Waukesha 7044GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured October 2013 (NSPS JJJJ, OOOOa) (MACT ZZZZ)	C5	C5	NSCR
Waukesha 7044 GSI (4SRB) natural gas-fired compressor engine rated at 1,680 bhp manufactured September 2016 (NSPS JJJJ, OOOOa) (MACT ZZZZ)	C6	C6	NSCR
Triethylene glycol (TEG) reboiler rated at 1.0 x 10 <sup>6</sup> Btu/hr	7	7	None

4201 Normandy Street | Bismarck ND 58503-1324 | Fax 701-328-5200 | [deq.nd.gov](http://deq.nd.gov)

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Bismarck ND 58501

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Air Pollution Control Equipment
TEG dehydration unit rated at 45 x 10 <sup>6</sup> scfd (MACT HH)	8	7, 9, & 10	BTEX Condenser & TEG Reboiler <sup>B</sup>
Two 400 barrel (bbl) produced water/condensate tanks	9 & 10	9 & 10	Submerged Fill Pipe (SFP)
Truck loading (produced water) <sup>D</sup>	11	11	None
Truck loading (NGLs) <sup>D</sup>	12	12	Vapor Return System
Fugitive Emissions	FUG	FUG	Leak Detection and Repair (LDAR) Program
Blowdowns and maintenance venting	BD	BD	Gas Recycle System <sup>C</sup>
Pigging <sup>D</sup>	-	-	-
Three methanol storage tanks <sup>D</sup>	-	-	-

<sup>A</sup> Not currently installed.

<sup>B</sup> Emissions from the TEG dehydration unit flash tank are recycled back into the process. Emissions from the TEG reboiler still column are controlled by a BTEX condenser, with non-condensable vapors exiting the condenser combusted in the TEG reboiler firebox.

<sup>C</sup> Some blowdowns and maintenance venting does not go through the gas recycle system and is vented to atmosphere.

<sup>D</sup> Insignificant source of emissions.

Condition II.A. of Permit to Construct No. ACP-17845 v1.0 is rescinded in its entirety and is replaced with the following:

A. **Emission Limits:** Emission limits from the operation of the source unit(s) identified in Item I.B of this Permit to Construct (hereafter referred to as "permit") are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Emission Unit Description	EU	EP	Pollutant / Parameter	Emission Limit <sup>A</sup>
Six Waukesha L7044GSI compressor engines rated at 1680 bhp each	C1 through C6	C1 through C6	NO <sub>x</sub>	1.0 g/hp-hr or 82 ppmvd @15% O <sub>2</sub>
			CO	1.0 g/hp-hr <sup>B</sup>
			VOC	0.65 g/hp-hr <sup>B</sup>
			Opacity	20% <sup>C</sup>
TEG reboiler	7	7	Opacity	20% <sup>C</sup>

<sup>A</sup> Emission limits apply to each individual emission point.

<sup>B</sup> Less restrictive 40 CFR 60 Subpart JJJJ limits also apply as follows: CO of 2.0 g/hp-hr or 270 ppmvd @ 15% O<sub>2</sub> and VOC of 0.7 g/hp-hr and 60 ppmvd @ 15% O<sub>2</sub>.

<sup>C</sup> 40% opacity is permissible for not more than one six-minute period per hour.

FOR THE NORTH DAKOTA DEPARTMENT  
OF ENVIRONMENTAL QUALITY

Date: \_\_\_\_\_

By: \_\_\_\_\_

James L. Semerad  
Director  
Division of Air Quality