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MEMO TO : File
ONEOK Rockies Midstream, L.L.C.
Lost Bridge Compressor Station & Corral Creek Compressor Station
Dunn, North Dakota

FROM : David Stroh
Permit Program Manager
Division of Air Quality

RE : February 6, 2025, application for a Permit to Construct

DATE : June 12, 2025 (Draft)

ONEOK Rockies Midstream, L.L.C. (ONEOK) submitted a permit to construct application for the Lost Bridge Compressor Station & Corral Creek Compressor Station (facility) to the North Dakota Department of Environmental Quality – Division of Air Quality (Department) on February 6, 2025. The application was for the existing natural gas pipeline compressor station (Corral Creek Compressor Station) located in Dunn County, North Dakota.

The facility currently operates under Air Permit to Operate No. AOP-28509 v1.0, which expires on November 14, 2027.

The application requested (Project) the removal of the current flare (EU CC-FL-1) and to replace it with a new flare (EU CC-FL-3) at the Corral Creek Compressor Station. Upon review, the Department determined that it would be appropriate to incorporate the existing electric-driven compressors (EUs LB-EC-1 through LB-EC-7, & CC-EC-1 through CC-EC-3) into the permit with this permit action. In addition, a VOC emission limit was placed on the existing tank batteries.

The emission units to be added with the Project are shown in Table 1-1 of ACP-18290 v1.0. The emission units to be removed with the Project are shown in Table 1-2 of ACP-18290 v1.0. The complete list of emissions units permitted at the Lost Bridge Compressor Station & Corral Creek Compressor Station upon Project completion is shown in Table 1-3 of ACP-18290 v1.0.

The facility will be considered a synthetic minor source upon Project completion. The facility's potential to emit (PTE) is shown below in Table 1.

Table 1 – Facility-wide PTE (tons per year) [A]

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	CO	NO_X	SO_2	VOCs	Total PM	Total HAPs
Lost Bridge Compressor Station								
Six 400-bbl condensate tanks	LB-TK-1 through LB-TK-6	LB-FL-1	-	-	-	12.5	-	0.4
200-bbl methanol tank	LB-MTK-1	LB-MTK-1	-	-	-	0.2	-	0.2
Condensate truck loading [B]	LB-TL-1	LB-TL-1	-	-	-	19.2	-	3.7
Flare (process/emergency)	LB-FL-1	LB-FL-1	0.3	0.1	0.3	0.2	-	
Miscellaneous venting and blowdowns	LB-BD	LB-BD	-	-	-	5.6	-	0.0
Fugitive emissions	LB-FUG-1	LB-FUG-1	-	-	-	4.7	-	0.3
Lost Bridge Compressor Station Total (without Fugitives):			**0.3**	**0.1**	**0.3**	**32.1**	**0.0**	**4.3**
Lost Bridge Compressor Station Total (with Fugitives):			**0.3**	**0.1**	**0.3**	**42.3**	**0.0**	**4.7**
Corral Creek Compressor Station								
Six 400-bbl condensate tanks	CC-TK-1 through CC-TK-6	CC-FL-2	-	-	-	11.4	-	0.6
Two 400-bbl produced water tanks	CC-WTK-1 & CC-WTK-2	CC-WTK-1 & CC-WTK-2	-	-	-	0.0	-	0.0
400-bbl methanol tank	CC-MTK-1	CC-MTK-1	-	-	-	0.3	-	0.3
Condensate truck loading [B]	CC-TL-1	CC-TL-1	-	-	-	19.2	-	3.7
Tank Flare	CC-FL-2	CC-FL-2	1.9	0.5	0.0	0.0	0.0	0.0
Flare (process/emergency)	CC-FL-3	CC-FL-3	0.3	0.1	0.0	0.2	0.0	0.0
Miscellaneous Venting and Blowdowns	CC-BD	CC-BD	-	-	-	11.5	-	0.1
Fugitive emissions	CC-FUG-1	CC-FUG-1	-	-	-	4.4	-	0.2

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	CO	NO_X	SO_2	VOCs	Total PM	Total HAPs
Corral Creek Compressor Station Total (without Fugitives):			**2.2**	**0.6**	**0.0**	**31.2**	**0.0**	**4.7**
Corral Creek Compressor Station Total (with Fugitives):			**2.2**	**0.6**	**0.0**	**47.0**	**0.0**	**4.9**
Total (without Fugitives):			**2.5**	**0.8**	**0.3**	**63.2**	**0.0**	**9.0**
Total (with Fugitives):			**2.5**	**0.8**	**0.3**	**89.3**	**0.0**	**9.6**

[A] Abbreviations:
Total PM: filterable and condensable particulate matter, assumes $PM=PM_{10}=PM_{2.5}$
SO_2: sulfur dioxide
NO_X: oxides of nitrogen
CO: carbon monoxide
VOCs: volatile organic compounds
HAPs: hazardous air pollutants as defined in Section 112(b) of the Clean Air Act

[B] Using a loadout rate of 250,000 bbl/year at an emission factor of 0.16 lb-VOC/bbl of condensate as approved by the Department in a letter dated February 25, 2020, Re: ORM Condensate VOC Emission Factor Approval.

The facility PTE is based on the enforceable emission restriction put in place on the tank batteries, limiting the allowable amount of VOC. This restriction means the facility is a synthetic minor source of air pollution, as the emissions are limited to below major source thresholds for the Title V program.

A complete review of the proposed project indicates that the facility is expected to comply with the applicable federal and state air pollution rules and regulations. The Department will make a final recommendation on the issuance of a Permit to Construct for the Lost Bridge Compressor Station & Corral Creek Compressor Station following completion of a 30-day public comment period. The public comment period will run from June 18, 2025, through July 18, 2025.

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