

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. The conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

Natural Gas Pipeline - Station #201 is located at Hersher, Kankakee County. The primary function of the compressor station is to transmit natural gas to and from high-pressure underground storage fields and between other compressor stations. Prior to pipeline transmission water is removed from the natural gas by a natural gas dehydration unit. Next, natural gas is injected into the storage fields during the low demand months and withdrawn from storage during the high demand months. The natural gas fired engines or turbines that provide the mechanical energy to power the compressors are typically the primary source of emissions at the Hersher station #201.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Plant emission unit	Emission unit Description	Rated Capacity	Date of Construction	Emission Control
01	01-ENG	Natural Gas Fired Engine, Cooper GMWH8	3080 HP	Before 1972	None
	02-ENG	Natural Gas Fired Engine, Cooper GMWH8	3080 HP	Before 1972	None
	03-ENG	Natural Gas Fired Engine, Cooper GMWH8	3080 HP	Before 1972	None
	04-ENG	Natural Gas Fired Engine, Cooper GMWH8	3080 HP	Before 1972	None
	05-ENG	Natural Gas Fired Engine, Cooper GMWH8	3080 HP	Before 1972	None
	06-ENG	Natural Gas Fired Engine, Cooper 10W330	5625 HP	1972	None
	07-ENG	Natural Gas Fired Engine, IR SVG12	660 HP	Before 1972	None
	08-ENG	Natural Gas Fired Engine, IR SVG12	660 HP	Before 1972	None
	09-ENG	Natural Gas Fired Engine, IR SVG12	660 HP	Before 1972	None
	10-ENG	Natural Gas Fired Engine, IR SVG12	660 HP	Before 1972	None
	12-ENG	Natural Gas Fired Engine, Cooper GMVH0	2500 HP	1972	None
	01-AUX	Natural Gas Fired Engine Cooper JS8	610 HP	Before 1972	None

	02-AUX	Natural Gas Fired Engine Cooper JS8	610 HP	Before 1972	None
	03-AUX	Natural Gas Fired Engine, Caterpillar	810 HP	1994	None
	Recovery-1	Natural Gas Fired Engine, Caterpillar G33061TAA	175 HP	1995	None
02	13-ENG	Natural Gas Fired turbine, GE	7500 HP	Before 1972	None
	14-ENG	Natural Gas Fired turbine, GE	7500 HP	Before 1972	None
	15-ENG	Natural Gas Fired turbine, GE	7500 HP	Before 1972	None
03	01-BOL	Natural Gas Fired Boiler	16.5 mmBtu/hr	Before 1972	None
	02-BOL	Natural Gas Fired Boiler	16.5 mmBtu/hr	Before 1972	None
	04-BOL	Natural Gas Fired Boiler	12.5 mmBtu/hr	1999	None
04	01-DHY	Glycol Dehydration Unit	-	Before 1982	Condenser 01-CND
05	01-FLR	Backup Flare	-	Before 1982	Gas Flare
06	GASTNK	Gasoline Storage tank	1000 gallon	-	Submerged loading pipe
	M2 & M4	Methanol storage tanks	20,000 gallon	-	Submerged loading pipe

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions.

For purposes of fees, the source is allowed the following emissions:

Pollutant	Tons/Year
Volatile Organic Material (VOM)	200.53
Sulfur Dioxide (SO ₂)	1.44
Particulate Matter (PM)	22.24
Nitrogen Oxides (NO _x)	4617.97
HAP, not included in VOM or PM	---
TOTAL	4842.2

This permit is a combined Title I/CAAPP permit that may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the Clean Air Act and regulations promulgated thereunder, including 40 CFR 52.21 - federal Prevention of

Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within the permit by T1, T1R, or T1N. The source has requested that the Illinois EPA establish or revise such conditions in a Title I permit, consistent with the information provided in the CAAPP application. Any conditions established in a construction permit pursuant to Title I and not revised or deleted in this permit, remain in effect pursuant to Title I provisions until such time that the Illinois EPA revises or deletes them.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

CAAPP

A CAAPP permit contains all conditions that apply to a source and a listing of the applicable state and federal air pollution control regulations that are the origin of the conditions. The permit also contains emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis.

Title I

A combined Title I/CAAPP permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I provisions, e.g., 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Notwithstanding the expiration date on the first page of the permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 164.