

BACKGROUND INFORMATION FOR THE  
PROPOSED DRAFT CAAPP PERMIT FOR  
Natural Gas Pipeline Company of America

I. INTRODUCTION

The Natural Gas Pipeline Company of America has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its compressor Station 113 located at 23725 West County Farm Road, Shorewood, Will County. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by Title V of 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.

This CAAPP permit would be a combined CAAPP/Title I permit that also contains terms and conditions adopted to address provisions established under regulations adopted under Title I of the Clean Air Act.

II. SOURCE DESCRIPTION

Natural Gas Pipeline Company of America operates 10 natural gas fired turbines , to power natural gas compression equipments located in mainline stations along the pipeline, used for raising the pressure of the gas to move it along the pipeline.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Year Constructed/ Last Modified	Emission Control Equipment
ENG-1 through ENG-9	Natural gas fired turbine, each with rated nominal heat input capacity of 16.75 million Btu/hour	2002	None
ENG-10	Natural gas fired turbine equipped with low NO <sub>x</sub> burner, rated nominal heat input capacity of 72.7 million Btu/hour based on LHV	2002	None

III. EMISSIONS

Natural Gas Pipeline Company of America -Station 113 is required to have a CAAPP permit since it is a major source of NO<sub>x</sub> and CO emissions. This permit would limit the maximum annual emissions of NO<sub>x</sub>, VOM, SO<sub>2</sub>, PM, and CO from all significant emission units combined at the source to 183.6, 4.93, 2.67, 5.18, and 368 tons/year, respectively.

In its most recent Annual Emission Report, for 2002, the source reported annual emissions of NO<sub>x</sub>, VOM, SO<sub>2</sub>, PM, and CO from all significant emission units combined at the source to 37.61, 2.58, 0.39, 0.75, and 56.44 tons respectively.

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.

The significant emission units at this source must also comply with the applicable federal emission standards, which the Illinois EPA administers in Illinois on behalf of the United States EPA under a delegation agreement. The turbines at the source are subject to federal New Source Performance Standards, 40 CFR 60, Subpart A and GG. The CAAPP permit would not affect the applicability of any such standards.

As a part of its application, Natural Gas Pipeline Company of America has certified that it is in full compliance with applicable requirements. The Illinois EPA's review of the application and on-site inspections also indicate that the station is in compliance. At this time there are no rules, regulations, or requirements with future compliance dates that would apply to the Natural Gas Pipeline Company of America that need to be addressed by this CAAPP permit.

#### V. PROPOSED PERMIT

##### CAAPP

A CAAPP permit contains all conditions related to air pollution control that apply to a source, together with the identification of the applicable state and federal rules 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

This permit would be a combined Title I/CAAPP permit. A combined CAAPP/Title I permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I of the Clean Air Act and regulations promulgated thereunder, e.g., the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21. These terms and conditions in the CAAPP permit address the applicability, and compliance if determined applicable, of these Title I provisions. Such terms and conditions in the CAAPP permit 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. 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 166.