

## Project Summary

### 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.

The Illinois Veterans Home - Quincy is located at 1707 North 12th Street in Quincy. The source operates a steam generating plant for the electricity and for low pressure steam for the heating.

This renewal includes the three coal fired boilers SO<sub>2</sub> emission limitation to not exceed 10.5 kg of sulfur dioxide per MW-hr of actual heat input (6.8 lbs/mmBtu). This is the emission limitation established as the source has demonstration that a higher level of emission (e.g., 6.8 lbs/mmBtu) will not violate any applicable PSD increment nor the National Ambient Air Quality Standard (NAAQS) [35 IAC 21.142 and 214.186]. Other changes to the permit were considered administrative type changes.

### II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
Boiler 1	Coal fired traveling chain grate stoker boiler rated at 50.45 mmBtu/hr	1950	Multiclone
Boiler 2	Coal fired traveling chain grate stoker boiler rated at 50.45 mmBtu/hr	1950	Multiclone
Boiler 3	Coal fired traveling chain grate stoker boiler rated at 50.45 mmBtu/hr	1950	Multiclone

### 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)	0.30
Sulfur Dioxide (SO <sub>2</sub> )	498.75
Particulate Matter (PM)	36.00
Nitrogen Oxides (NO <sub>x</sub> )	30.00
HAP, not included in VOM or PM	-----
TOTAL	565.05

#### 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 166.

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