

Project Summary

I. INTRODUCTION

This source has applied for a revision to its 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.

Bunge Foods Corporation is located at 885 North Kinzie Avenue in Bradley, Illinois. The source is an edible oil processing facility, which produces hydrogenated vegetable oils and animal fats. Liquid raw materials are received from railcars and tank trucks and stored in tanks equipped with carbon canisters for odor control. Raw vegetable oil is refined and coloring agents are removed by adsorption with bleaching clay. The materials are hydrogenated, blended to customer's specifications, and packaged or stored on-site. In addition, the source operates a steam boiler, an electricity generating turbine with an associated dust burner, and a hydrogen reformer, with pipeline natural gas as the primary fuel.

A CAAPP permit was previously issued for this source. This significant modification of that CAAPP permit changes the source name from Bunge Foods to Bunge Oils, changes the responsible official, updates the insignificant activity list in Section 3.1 and adds existing emission units to Sections 7.3 and 7.4.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
HR	Hydrogen Reformer (12.2 mmBtu/hr)	1967	None
SB1	Steam Boiler No. 1	1966	None

	(100 mmBtu/hr)		
DB	Duct Burner (58.4 mmBtu/hr)	August 1989	None
G1	Gas-Fired Turbine/Generator (37.6 mmBtu/hr)	May 1989	None
Refinery	Edible Oil Refinery	1967	None
B1	Bleach Clay Handling System	1982	Clay Silo Filters

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:

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	36.41
Sulfur Dioxide (SO ₂)	32.83
Particulate Matter (PM)	6.79
Nitrogen Oxides (NO _x)	128.48
HAP, not included in VOM or PM	-----
Total	204.51

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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