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Facility Name: **Central Soya Company Inc**

Application Number: **03-3094**

Date: **Februaty 18, 1999**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

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an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Central Soya Company Inc** located in **Marion** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

3745-17-07 (A)

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>
P015 (mod)	hull refining with 2 baghouses: modified by increasing the air flow by 14100 ACFM	Use of 2 bag-houses and compliance with the terms and conditions of this permit	3745-31-05

3745-17-11 (B)



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\* The PE limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05.

#### SUMMARY

#### TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PE	4.46*

\* The particulate emissions (PE) increase as a result of this modification is 2.67 tons PE/year.

#### REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

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**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

**CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

INTRODUCTION: Central Soya Company, Inc., plans to modify the hull refining operation (P015) at the Marion facility which will result in increased particulate emissions (PE).

**A. APPLICABLE EMISSION LIMITATIONS AND/OR CONTROL REQUIREMENTS**

1. The PE from baghouse #1 (hull storage bins) shall not exceed 0.09 pound/hour and 0.39 ton/year. All PE from the baghouse are assumed to be PM<sub>10</sub>.
2. The PE from baghouse #2 (screens & grinders) shall not

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exceed 0.93 pound/hour and 4.07 tons/year. All PE from the baghouse are assumed to be PM<sub>10</sub>.

3. Visible PE from either baghouse stack shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
4. The permittee shall employ 2 baghouses to control the PE from emissions unit P015.

**B. OPERATIONAL RESTRICTIONS**

1. The pressure drop across each baghouse shall be maintained within the range of 0.5-8 inches of water while emissions unit P015 is in operation.

**C. MONITORING AND/OR RECORDKEEPING REQUIREMENTS**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse while emissions unit P015 is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.
2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

**D. REPORTING REQUIREMENTS**

1. The permittee shall submit reports in the following manner:

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- a. reports of any required information shall be submitted to the appropriate Ohio EPA district office or local air agency; and,
  - b. quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA district office or local air agency. If no deviations occurred during a calendar quarter, a quarterly report shall be submitted which states that no deviations occurred during that quarter. The reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
2. The compliance status of this emissions unit shall be reported pursuant to the annual certification required by OAC rule 3745-77-07(C) (5).
  3. The actual annual emissions data for this emissions unit shall be reported pursuant to the fee emissions report required by OAC rule 3745-78-02(A).

**E. TESTING REQUIREMENTS/COMPLIANCE METHODS DETERMINATION**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):
  - a. Emission Limitation: baghouse #1 (hull storage bins) - 0.09 pound PE/hour, 0.39 ton PE/year

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly PE limitation of 0.09 pound by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total actual volumetric air flow rate (cubic

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feet/minute) through the baghouse. As long as compliance is maintained with the hourly emission limitation, the unit will be in compliance with the annual emission limitation as the annual limitation is based on the hourly emission limitation at 8760 hours/year. If required, the test method to be employed to demonstrate compliance with the PE limitation shall be Method 5, which is located in 40 CFR Part 60, Appendix A.

- b. Emission Limitation: baghouse #2 (screens & grinders) - 0.93 pound PE/hour, 4.07 tons PE/year

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly PE limitation of 0.93 pound by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total actual volumetric air flow rate (cubic feet/minute) through the baghouse. As long as compliance is maintained with the hourly emission limitation, the unit will be in compliance with the annual emission limitation as the annual limitation is based on the hourly emission limitation at 8760 hours/year. If required, the test method to be employed to demonstrate compliance with the PE limitation shall be Method 5, which is located in 40 CFR Part 60, Appendix A.

- c. Emission Limitation: visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule

Applicable Compliance Method: OAC rule 3745-17-03(B)(1). Compliance with the visible PE limitation shall be monitored through the monitoring/ recordkeeping and reporting required in section C.2 and section D.1, respectively.

#### **F. MISCELLANEOUS REQUIREMENTS**

1. None

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