



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL
ASHLAND COUNTY
Application No: 03-13603**

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
Dc	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 5/15/2001

Packaging Corporation of America
Andy Yeaste
929 Faultless Drive
Ashland, OH 44805

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

NWDO



FINAL PERMIT TO INSTALL 03-13603

Application Number: 03-13603

APS Premise Number: 0303010029

Permit Fee: **\$400**

Name of Facility: Packaging Corporation of America

Person to Contact: Andy Yeaste

Address: 929 Faultless Drive
Ashland, OH 44805

Location of proposed air contaminant source(s) [emissions unit(s)]:

**929 Faultless Drive
Ashland, Ohio**

Description of proposed emissions unit(s):

25.7 MMBtu Flue-Gas Recirculation Steam Boiler.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) 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, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

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 for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

9. Construction of New Sources(s)

The proposed emissions unit(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 cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(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 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 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 the requirements of this permit or cannot meet applicable standards.

10. 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.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. 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.

13. Source Operation and Operating Permit Requirements 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, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. 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.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
NOx	11.71
CO	11.04
SO2	24.89
PE	1.17

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B005 - 25.7 MMBtu/hr Flue-Gas Recirculation Steam Boiler that is fueled by natural gas and number 2 fuel oil	OAC rule 3745-31-05(A)(3)	<p>3.56 pounds NOx/hour</p> <p>2.52 pounds CO/hour</p> <p>12.64 pounds SO2/hour</p> <p>When burning number 2 fuel oil, the heat input emission factor for SO2 is 0.492 lbs/MMBtu</p> <p>1.58 pounds PE/hour 0.014 lbs PE/MMBtu</p> <p><u>long-term emissions from natural gas and/or number 2 fuel oil combustion:</u></p> <p>24.89 tons SO2/year</p> <p>11.71 tons NOx/year</p> <p>11.04 tons CO/year</p> <p>1.17 tons PE/year</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Dc</p> <p>When combusting natural gas and/or number 2 fuel oil, visible PE shall not</p>

OAC rule 3745-17-10(B)(1)	exceed 20 percent opacity, as a six-minute average.
OAC rule 3745-18-06(D)	See A.2.a
OAC rule 3745-17-07(A)	See A.2.a
40 CFR Part 60, Subpart Dc	See A.2.a
	Monitoring and Record keeping (See C.3)
	#2 fuel oil content restriction (See B.3)

2. Additional Terms and Conditions

2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.
2. The maximum number 2 fuel oil usage rate in this emissions unit shall not exceed 700,000 gallons per year.
3. The permittee shall burn number 2 fuel oil that contains no greater than 0.5 weight percent sulfur.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect and record the following information for each month for this emissions unit:
 - a. the quantity of natural gas combusted, in million cubic feet;
 - b. the quantity of number 2 fuel oil combusted, in gallons;
 - c. the annual, year-to-date, quantity of number 2 fuel oil combusted (sum of b for each calendar month to date from January to December);

- d. the calculated emission rate of NO_x, SO₂, CO, and PE*;
- e. the annual, year-to-date, emissions of NO_x, SO₂, CO, and PE* (sum of d for each calendar month to date from January to December).

*The permittee shall use the most recent AP-42 emission factors for calculating the emissions of each respective pollutant.

- 3. For each shipment of oil, the permittee shall obtain a fuel supplier certification which includes the following information:
 - a. the weight percent sulfur in each shipment of oil;
 - b. the name of the oil supplier; and
 - c. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Part 60, section 60.41c.

D. Reporting Requirements

- 1. The permittee shall submit annual deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- 2. The permittee shall submit annual deviation (excursion) reports that identify all exceedances of the annual number 2 fuel oil usage rate limitation. If no deviation occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.
- 3. The permittee shall submit deviation (excursion) reports that identify all exceedances of the #2 fuel oil sulfur content restriction. These deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.
- 4. Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times for emissions unit B005:
 - a. construction date (no later than 30 days after such date);
 - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. actual start-up date (within 15 days after such date); and
 - d. date of performance testing (if required, at least 30 days prior to testing).

This notification shall also include, in accordance with section 60.48c(a)(1), the design heat input capacity and identification of fuels to be combusted in emissions unit B005.

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and

Ohio EPA, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

E. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the Terms and Conditions of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation:
3.56 pounds NOx/hour
2.52 pounds CO/hour
12.64 pounds SO₂/hour
1.58 pounds PE/hour

Applicable Compliance Method:

The permittee shall demonstrate compliance with these emission limitations by multiplying the maximum heat input to the boiler (25.7 MMBtu/hour) by the appropriate AP-42 emission factors from Sections 1.3.5 (9/98) and 1.4.5 (7/98). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods.

- b. Emission Limitation:
11.71 tons NOx/year
11.04 tons CO/year
24.89 tons SO₂/year
1.17 tons PE/year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitations by the record keeping requirements in C.2.

- c. Emission Limitation:
0.492 lbs SO₂/MMBtu
0.014 lbs PE/MMBtu

Applicable Compliance Method:

Compliance with the lbs/MMBtu heat input emission factor shall be demonstrated by dividing the lbs/hr emission limitation by the maximum Btu rating of 25.7 MM Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods.

- d. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average.

Applicable Compliance Method

Compliance with the visible emissions limitation established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

F. Miscellaneous Requirements

NONE

NEW SOURCE REVIEW FORM B

PTI Number: 03-13603

Facility ID: 0303010029

FACILITY NAME Packaging Corporation of America

FACILITY DESCRIPTION 25.7 MMBtu per hour Flue-Gas Recirculation Steam Boiler CITY/TWP Ashland

SIC CODE 2653 SCC CODE 1-02-005-02/03, 1-03-005-02/03, 1-01-006-04 EMISSIONS UNIT ID B005

EMISSIONS UNIT DESCRIPTION 25.7 MMBtu Flue-Gas Recirculation Steam Boiler

DATE INSTALLED 05/2001

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter				0.36	1.17
PM ₁₀					
Sulfur Dioxide				12.64	24.89
Organic Compounds				0.14	0.61
Nitrogen Oxides				3.56	11.71
Carbon Monoxide				2.52	11.04
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **Dc** PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ _____

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 03-13603

Facility ID: 0303010029

FACILITY NAME Packaging Corporation of America

FACILITY DESCRIPTION 25.7 MMBtu per hour Flue-Gas
Recirculation Steam Boiler

CITY/TWP Ashland

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

<i>Please fill out the following. If the checkbox does not work, replace it with an 'X'</i>	<u>Electronic</u>	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	0313603c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

SEE PERMIT REVIEW/CALCULATIONS

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or **Netting Determination**
Permit To Install **ENTER PTI NUMBER HERE**

- A. Source Description
- B. Facility Emissions and Attainment Status
- C. Source Emissions
- D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant

Tons Per Year

NEW SOURCE REVIEW FORM B

PTI Number: 03-13603

Facility ID: 0303010029

FACILITY NAME Packaging Corporation of America

FACILITY DESCRIPTION 25.7 MMBtu per hour Flue-Gas
Recirculation Steam Boiler

CITY/TWP Ashland

NOx	11.71
CO	11.04
SO2	24.89
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