



State of Ohio Environmental Protection Agency

P023  
Strip Cast Line

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

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

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Morgan County  
Application No: 06-4542  
TOXIC REVIEW  
SYNTHETIC MINOR

CERTIFIED MAIL

June 25, 1997

GLACIER CLEVITE  
SANDRA BYERS  
5037 N. S.R. 60  
MCCONNELSVILLE, OH 43756

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 Board of Review 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 with the Environmental Board of Review within thirty (30) days after notice of the Director's 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 Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

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

cc: US EPA  
SOUTHEAST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director



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## Permit to Install Terms and Conditions

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Application No. 06-4542  
APS Premise No. 0658000017  
Permit Fee: \$400.00

Name of Facility: GLACIER CLEVITE

Person to Contact: SANDRA BYERS

Address: 5037 N. S.R. 60  
MCCONNELSVILLE, OH 43756

Location of proposed source(s): 5130 N S.R. 60  
MORGAN TWP, OHIO

Description of proposed source(s):  
STRIP CAST LINE.

Date of Issuance: June 25, 1997

Effective Date: June 25, 1997

The above named entity is hereby granted a permit to install for the above described source(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 source(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 source(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

*Donald R. Schreyer*

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Director

**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 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.

#### 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.



**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

**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.

**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 OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

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.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**1. Source Limitations, Recordkeeping and Reporting Requirements**

**A. Bronzing Furnace Baghouse Operational Restrictions Serving this Emissions Unit:**

1. The pressure drop across the baghouse shall be maintained within the range of 3-7 inches of water while the emissions unit is in operation.

B. Bronzing Furnace Baghouse Pressure Drop Monitoring and Recordkeeping Requirements:

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit 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 the baghouse once per 8 hour/shift (minimum).

C. Operational Restrictions for the Venturi Scrubber Serving this Emissions Unit:

1. The pressure drop across the venturi scrubber shall be continuously maintained at a value within the range of 57 to 62 inches of water.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 24 gallons per minute.
3. The fan amperage shall be continuously maintained at a value of not less than 58 amps and ~~11~~ 9 amps, respectively.

D. Monitoring and Recordkeeping Requirements for the Venturi Scrubber Serving this Emissions Unit:

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber, the scrubber water flow rate, and the exhaust gas flow rate (in terms of fan motor amperage) while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall maintain daily records of the following information:
  - a. the pressure drop across the scrubber, in inches of water, measured once per 8 hour shift (minimum);
  - b. the scrubber water flow rate, in gallons per minute, measured once per 8 hour shift (minimum);

- c. the exhaust gas flow rate, in terms and fan amperage, measured on a daily basis (minimum); and,
- d. the non-functioning period(s) of the control device(s), or associated monitoring equipment, when the associated emissions unit is operating.

E. Reporting Requirements for Glacier Clevite - Strip Cast Line (P023):

- 1. Glacier Clevite shall immediately notify the Ohio EPA, Southeast District Office of any exceedance of emission limitation(s), operational restrictions/limitations, and/or other operational parameters contained in this permit.
- 2. Glacier Clevite shall submit a semi-annual exceedance report for source P023, which identifies all exceedances any emission limitation(s), operational restrictions/limitations, and/or other operational parameters contained in this permit as well as any corrective actions that were taken to achieve compliance. If no exceedances occurred during that time period, then a report stating that fact is required.
- 3. For each excursion, the permittee shall also provide the following information:
  - a. date, time and duration of the exceedance event;
  - b. cause of the exceedance; and,
  - c. actions taken to correct the violation(s), and prevent further occurrences.
- 4. The exceedance report shall be submitted by February 15 and August 15 of each year and shall cover the previous six month period (or twelve month period in cases of 12-month period limitations or restrictions). If no exceedance occurred during the semi-annual reporting period, then a report stating that fact is required.

F. Additional Requirements:

This source, associated ventilation system and emissions control systems shall not be modified, as defined in OAC rule 3745-31-01, without the company first applying for and obtaining a permit to install.

2. Actual Emission Determination

Source P023, Strip Cast Line, actual emissions shall be determined by calculations, using the respective emission factor for each emission point derived from the most recent certified performance testing, and then multiplying those emission factors by the emission point(s) respective operating criteria (e.g. hours of operation, capacity of operation, etc...) and then adding those results to obtain the total actual daily/monthly/quarterly/semi-annual and annual emissions until a more accurate method is developed.

NOTE: Excess emissions released during exceedance events which occurred in the reporting period must be added to the above total actual emission calculation to obtain the emission unit's actual total emissions released.

3. Performance Test Requirements

The permittee shall conduct, or have conducted, performance testing on the air contaminant source (P023), Strip Cast Line in accordance with procedures approved by the Agency (within 120 days from the final issuance date of this permit). One copy of the written report shall be submitted and signed by the person responsible for the test, describing the test procedures followed and the results of such tests. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the Ohio EPA, Southeast District Office where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures and the time, date, place and person(s) conducting such tests.
- B. One copy of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Testing shall be conducted during operating conditions which represent maximum operating conditions for the emission unit.  
(worse case emissions)
- D. Operational restriction control devices shall be monitored and recorded during each test period to determine and verify the emission unit was functioning within specified operating parameter ranges.

- E. a. Performance testing for source P023, Strip Cast Line shall be conducted in the following manner unless prior written approval is obtained from the Ohio EPA for an alternative test procedure.

Glacier Clevite has proposed the following performance test procedure. There are nine emission points associated with Strip Cast Line, (P023). Five of the emission points are controlled and four (roof vents) are not controlled.

The following five controlled emission points will be tested in accordance with procedures in U.S. EPA Method 29. Methods 1 through 4 will be used for flow rate measurements.

1. \*Casting Line Baghouse;
2. \*Quench Chute Venturi Scrubber;
3. \*Rough Mill/Skive Unit Baghouse;
4. \*Post Cast Polisher Rotoclone;
5. Finish Mill (testing will be conducted independently of other emission points);
6. \*roof vent 1 (ES 1);
7. \*roof vent 2 (ES 2);
8. \*roof vent 3 (ES 3); and,
9. \*roof vent 4 (ES 4).

The remaining four uncontrolled emission points will be tested in accordance with procedures in the National Institute for Occupational Safety & Health (NIOSH) Method 0500 and 7105.

\*These emissions points shall be tested simultaneously.

b. Additional Testing Requirements

In addition to the four NIOSH roof vent sampling points, a fifth NIOSH testing unit will be required on one of the controlled emission points. The results from this fifth NIOSH testing unit will be used to help verify NIOSH testing method results are in reasonable agreement to those results obtained by EPA Methods 1 through 4 and 29 by comparing the NIOSH results with the EPA Standard Method results of the emission point dually tested.

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The dually tested controlled emission point may be rotated from test to test for testing among the other controlled emission points, see item 1 above. Prior to the test, the Ohio EPA shall determine which of the controlled emissions points shall be dually tested.

- F. For the purposes of measuring emissions to determine compliance with the particulate and lead emission limitation(s) in the terms and conditions of this permit shall be done in accordance with OAC 3745-17-03(B)(10) and OAC 3745-71-03 and 05 (as applicable), respectively.