

Facility ID: 1431080138 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1431080138 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
3000 Gallon dithio ZDTP reactor with H2S scrubber	None	None

2. Additional Terms and Conditions

- (b) The hydrogen sulfide (H2S) concentration in the scrubber exhaust gases shall not exceed 40 parts per million (ppm) at any time.

B. Operational Restrictions

1. The pH of the scrubber liquor shall be maintained at or above 12.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor and record the hydrogen sulfide concentration of the primary and secondary scrubber exhaust gases while the emissions unit is in operation. The hydrogen sulfide monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall properly install, operate and maintain equipment to continuously monitor and record the pH of the primary scrubber liquor while the emissions unit is in operation. The pH monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day on an hourly basis:

- a. The pH of the primary and secondary scrubber liquor.
- b. The temperature of the primary and secondary scrubber liquor.
- c. The pump pressure for the primary and secondary scrubber water supply.
3. For each addition of sodium hydroxide solution to the scrubber liquor, the weight of sodium hydroxide in pounds and volume of water in liters shall be recorded.
4. The permittee shall perform weekly checks on the water filter pressure gauges to ensure proper functioning.

D. Reporting Requirements

1. The permittee shall submit reports on a semi-annual basis to the Hamilton County Department of Environmental Services documenting all instances where the pH of the liquor in the primary or secondary scrubbers fell below the specified levels and during which the hydrogen sulfide concentration in the scrubber exhaust gases exceeded 40 ppm. For each one of these instances, the permittee shall report the following parameters:
 - a. The pH of the primary and secondary scrubber liquor.
 - b. The temperature of the primary and secondary scrubber liquor.
 - c. The pump pressure of the scrubber water supply.
 - d. The total quantity of sodium hydroxide added.

e. The corrective action(s) taken.

These reports shall be submitted by February 15 and August 15 of each year and shall address the data obtained during the previous six months.

If no exceedances occurred during the reporting period, then a report stating so is required.

E. **Testing Requirements**

1. Compliance with the hydrogen sulfide concentration limit shall be demonstrated by the record keeping requirements in C.1.
2. Compliance with the scrubber liquor pH limit shall be demonstrated by the record keeping requirements in C.2.

F. **Miscellaneous Requirements**

1. None