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Facility Name: **Hirschvogel Inc**

Application Number: **01-7444**

Date: **September 10, 1998**

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.

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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

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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.

Facility Name: **Hirschvogel Inc**Application Number: **01-7444**Date: **September 10, 1998**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Hirschvogel Inc.** located in **Franklin** 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001	13.7 MMBTU/hr natural gas-fired heat treat furnace	Compliance with applicable rules and regulations.	3745-31-05 3745-17-10(B) 1	0.27 lb Particulate/hr, 1.2 tons Particulate/yr, 1.4 lb NO _x /hr, 6.0 ton NO _x /yr, 0.3 lb CO/hr, 1.3 ton CO/yr, 0.07 lb OC/hr, 0.32 ton OC/yr, 0.008 SO ₂ /hr, and 0.04 SO ₂ /yr.

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
NO _x	6.0
CO	1.3
Particulates	1.2
OC	0.32
SO ₂	0.04

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Compliance Determination

1. Compliance with the emission limitations shall be determined in accordance with the following methods:

- a. Emission Limitation:

1.4 lbs NO_x/hr; 6.0 tons NO_x/yr

Applicable Compliance Method:

The following equation calculates the hourly emission rate:

$$\text{Ft3 gas month/hrs month} * 100 \text{ lbs NO}_x/\text{ft3 gas} = \text{lbs NO}_x/\text{hr}$$

The following equation calculates the annual emission rate:

$$\text{Ft3 gas/yr} * 100 \text{ lbs NO}_x/\text{ft3 gas} * 1 \text{ ton}/2000 \text{ lbs} = \text{tons NO}_x/\text{yr}$$

- b. Emission Limitation:

0.3 lb CO/hr; 1.3 ton CO/yr

Applicable Compliance Method:

The following equation calculates the hourly emission rate:

$$\text{Ft3 gas month/hrs month} * 20 \text{ lbs CO}/\text{ft3 gas} = \text{lbs CO}/\text{hr}$$

The following equation calculates the annual emission rate:

$$\text{Ft3 gas/yr} * 30 \text{ lbs CO}/\text{ft3 gas} * 1 \text{ ton}/2000 \text{ lbs} = \text{tons CO}/\text{yr}$$

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c. Emission Limitation:

0.27 lb particulate/hr, 1.2 tons
particulate/yr

Applicable Compliance Method:

The following equation calculates the hourly
emission rate:

$$\text{Ft}^3 \text{ gas month/hrs month} * 1000 \text{ BTU/ft}^3 \text{ gas} * \\ \text{MBTU/1,000 BTU} * 0.02 \text{ lbs PM/MMBTU gas} = \text{lbs} \\ \text{PM/hr}$$

The following equation calculates the annual
emission rate:

$$\text{Ft}^3 \text{ gas/yr} * 1000 \text{ BTU/ft}^3 \text{ gas} * \text{MBTU/1,000} \\ \text{BTU} * 0.02 \text{ lbs PM/MMBTU gas} = \text{lbs PM/yr}$$

d. Emission Limitation:

0.07 lb OC/hr; 0.32 tons OC/yr

Applicable Compliance Method:

The following equation calculates the hourly
emission rate:

$$\text{Ft}^3 \text{ gas month/hrs month} * 5.3 \text{ lbs OC/ft}^3 \text{ gas} = \\ \text{lbs OC/hr}$$

The following equation calculates the annual
emission rate:

$$\text{Ft}^3 \text{ gas/yr} * 5.3 \text{ lbs OC/ft}^3 \text{ gas} * 1 \text{ ton/2000} \\ \text{lbs} = \text{ton OC/yr}$$

e. Emission Limitation:

0.008 lb SO_x/hr; 0.0.04 ton SO_x/yr

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Applicable Compliance Method:

The following equation calculates the hourly emission rate:

$$\text{Ft3 gas month/hrs month} * 0.6 \text{ lbs SO}_x/\text{ft3 gas} = \text{lbs SO}_x/\text{hr}$$

The following equation calculates the annual emission rate:

$$\text{Ft3 gas/yr} * 0.6 \text{ lbs SO}_x/\text{ft3 gas} * 1 \text{ ton}/2000 \text{ lbs} = \text{ton SO}_x/\text{yr}$$