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Facility Name: **Belden & Blake Corp - Richfield/Wills**

Application Number: **16-1806**

Date: **August 12, 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. 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 **Belden & Blake Corp - Richfield/Wills** located in **Summit** 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 &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
B001	Modification to natural gas compressor engine.	Use of natural gas as fuel.	3745-31-05	0.3 pound/hour and 1.3 TPY nitrogen oxides 0.2 pound/hour and 0.9 TPY carbon monoxide
			3745-17-11	1 percent opacity from the stack, as a three-minute average.
			3745-17-11	0.310 pound of particulates per million Btu of actual heat input and 0.2 TPY.
			3745-17-07	Less stringent

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3745-31-  
05.

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SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulates	0.2
Nitrogen oxides	1.3
Carbon monoxide	0.9

**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 **Akron Air Pollution Control, 146 South High Street, Room 904, Akron, OH 44308.**

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**

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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**

##### **A. Permit Profile**

##### 1. Operations/Equipment

Belden & Blake Corporation is seeking a Permit-to-Install (PTI) for a modification of a natural gas compressor engine at the Richfield/Wills facility located in Richfield Township, Summit County, Ohio (OEPA Facility Id Number 1677000235). Based on application data, the modified compressor engine (OEPA emissions unit ID no. B001) will be powered by a downgraded 17.4 BHP, small-bore, natural gas-fired internal combustion engine with a maximum heat input capacity of 0.125 million Btu/hour. The modified emissions unit will utilize no pollution control.

##### 2. Emission Limits

a. Based on the AP-42, 5th Edition, Table 3.2-4 emission factor of 0.046 pound of particulates per million Btu of actual heat input, potential particulate emissions (short-term and annual) will always be less than the particulate emission limits established in this permit. Therefore, no recordkeeping, deviation reportings, or methods of compliance demonstration are required with these limits.

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- b. The hourly and annual nitrogen oxides emission limits are based on the emissions unit's potential to emit (using the AP-42, 5th Edition, Table 3.2-2, SCC 2-02-002-54 emission factor of 2.3 pounds of nitrogen oxides per million Btu fuel input). Therefore, no recordkeeping, deviation reporting, or methods of compliance demonstration are required with these limits.
  
- c. The hourly and annual carbon monoxide emission limits are based on the emissions unit's potential to emit (using the AP-42, 5th Edition, Table 3.2-2, SCC 2-02-002-54 emission factor of 1.6 pounds of carbon monoxide per million Btu fuel input). Therefore, no recordkeeping, deviation reporting, or methods of compliance demonstration are required with these limits.

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**B. Operational Restrictions**

1. Emissions unit B001 shall be limited to only natural gas as fuel.

**C. Monitoring and/or Recordkeeping Requirements**

1. None.

**D. Reporting Requirements**

1. None.

**E. Testing Requirements**

1. Compliance with the visible emission limitations in this permit shall be determined in accordance with the following method:

- a. Emission Limitation

- 1 percent opacity, as a 3-minute average

- Applicable Compliance Method

- Compliance shall be determined by visible particulate emission evaluations performed using the procedures specified in USEPA Method 9.

**F. Miscellaneous Requirements**

1. None.