

SHARON TUBE COMPANY  
PTI NO. 02-12575

## ADDITIONAL SPECIAL TERMS AND CONDITIONS

### 1. Applicable State Regulation(s)

The following rules of the Ohio Administrative Code establish the applicable emission limitations and/or control requirements for this source:

OAC Rule 3745-31  
OAC Rule 3745-17-07

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

### 2. Source Descriptions

The emission units covered by this permit to install are; P001, the Annealing Furnace and; P002, the Atmosphere Generator.

### 3. Allowable Emission Limitations

a. Emissions from P001, the Annealing Furnace shall not exceed 4.1 pounds per hour and 17.9 tons per year of NO<sub>x</sub>.

b. Emissions from P002, the Atmosphere Generator shall not exceed 1.0 pounds per hour and 4.4 tons per year of NO<sub>x</sub>.

c. Visible emissions from all two emissions units referenced in 2. Above shall not exceed twenty per cent opacity, as a six minute average.

### 4. Monitoring and/or Record Keeping Requirements

a. For each day during which the permittee burns a fuel other than natural gas in P001, the Annealing Furnace or P002, the Atmosphere Generator, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

## 5. Reporting Requirements

a. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in emissions units P001 or P002. Each report shall be submitted within 30 days after the deviation occurs.

## 6. Testing Requirements

Compliance with the emission limitation(s) in Section 3. of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation -

4.1 lb/hr and 17.9 ton/yr NOx from the Annealing Furnace(P001)

Applicable Compliance Method -

Compliance shall be based on a one time calculation by using emission factors from the equipment manufacturer for NOx from natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{NOx}) = 12.6 \text{ MMBTU/hr} \times 335 \text{ lb NOx/MMcu.ft(mfg.)} \times 1 \text{ cu.ft/1040BTU(nat.gas)} \times 8760 \text{ hr/yr}$$

b. Emission Limitation -

1.0 lb/hr and 4.4 ton/yr NOx from the Atmosphere Generator (P002)

Applicable Compliance Method -

Compliance shall be based on a one time calculation by using emission factors from the equipment manufacturer for NOx from natural gas combustion and the maximum capacity of the gas burners.

$$E(\text{NOx}) = 3.1 \text{ MMBTU/hr} \times 335 \text{ lb NOx/MMcu.ft(mfg.)} \times 1 \text{ cu.ft/1040BTU(nat.gas)} \times 8760 \text{ hr/yr}$$

c. Emission Limitation-

20% opacity as a six-minute average

Applicable Compliance Method-

OAC rule 3745-17-03(B)(1), if requested.

