

PARKER HANNIFIN - PARAFLEX DIVISION

Application No. 16-1796

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April 24, 1998

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions

1. The incinerator shall only be fired with natural gas.
2. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chloride, fluorine, or bromine.
3. The incinerator shall be operated, maintained, and cleaned according to the manufacturer's recommendations so as to prevent the emissions of objectionable odors.
4. No parts or materials shall be charged until sufficient time has been allowed for the preheating of the secondary chamber. Both the primary and secondary burners shall be kept in operation during the entire time the incinerator is in use. The auxiliary burner shall be fired until the necessary burn-down time is achieved.
5. The secondary chamber shall be maintained at a temperature of at least 1400 degrees Fahrenheit.

B. Monitoring and/or Record Keeping Requirements

none

C. Reporting Requirements

none

D. Testing Requirements

1. Compliance with the emission limitations in permit to install 16-1796 shall be determined in accordance with the following methods:
 - a. Emission Limitation:
1% opacity as a 6-min average

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Applicable Compliance Method:

OAC rule 3745-17-03(B) (1)

b. Emission Limitation:

0.2 lb particulate matter per 100 lbs charged
0.01 TPY particulate matter

Applicable Compliance Method:

Future testing may be required in accordance with the procedures in Method 5 of 40 CFR Part 60, Appendix A.

c. Emission Limitation:

0.004 lb/hr VOC
0.02 TPY VOC

Applicable Compliance Method:

Multiply the 3-08-9-0013 SCC emission factor of 5.6 lbs/million cubic feet of material charged by the design capacity of the incinerator, in cubic feet per hour.

d. Emission Limitation:

0.08 lb/hr NO_x
0.35 TPY NO_x

Applicable Compliance Method:

Multiply the NO_x emission factor of 100 lb/ 10⁶ cubic feet by the design capacity of the incinerator, in cubic feet per hour.

The emission factor was taken from AP-42, Fifth Edition, Table 1.4.1.

e. Emission Limitation:

0.002 lb/hr SO_x
0.01 TPY SO_x

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Applicable Compliance Method:

Multiply the SO_x emission factor of 0.6 lb/ 10⁶ cubic feet by the design capacity of the incinerator, in cubic feet per hour.

The emission factor was taken from AP-42, Fifth Edition, Table 1.4.1.

f. Emission Limitation:

0.002 lb/hr CO

0.07 TPY CO

Applicable Compliance Method:

Multiply the CO emission factor of 21 lb/ 10⁶ cubic feet by the design capacity of the incinerator, in cubic feet per hour.

The emission factor was taken from AP-42, Fifth Edition, Table 1.4.1.