

## SPECIAL CONDITIONS

Permit No. 48333

1. The incinerator designated as Emission Point No. 001 on the maximum allowable emission rates table shall be an Industrial Equipment and Engineering Co. IE43-PPJ, Power-Pak Junior animal carcass incinerator. A nameplate with the model and serial numbers shall be on the incinerator in a visible location.

## DESIGN REQUIREMENTS

2. The incinerator shall be a dual chamber incinerator with a maximum capacity of 75 pounds per hour. The batch load to the primary chamber shall not exceed 200 pounds. The incinerator shall have a minimum burn cycle time equal to the greater of the batch load weight in pounds divided by 75 or one hour.
3. Burners shall be located in each chamber, sized to manufacturer's specifications, and operated as necessary to maintain the minimum temperature requirements of Special Condition No. 4 at all times when the unit is operating.
4. The incinerator shall be designed to maintain and maintain during operation a secondary chamber temperature of 1600° Fahrenheit or more with a gas residence time of one-half second or more.
5. The holder of this permit shall install and maintain equipment to continuously monitor and record secondary chamber temperature at the exit of the secondary chamber whenever the incinerator is operating.
6. There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is operated. Properly installed and maintained spark arresters are not considered obstructions.

## OPERATIONAL REQUIREMENTS

7. The manufacturer's recommended operating instructions shall be posted at the unit and the unit shall be operated in accordance with these instructions. Incinerator operators shall be trained to operate this incinerator according to manufacturer's training requirements.

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8. The opacity of emissions from the incinerator shall not exceed 5.0 percent averaged over a six-minute period.
9. Fuel for the primary and secondary chamber burners is limited to sweet natural gas or propane.
10. The incinerator shall be used for the sole purpose of incineration of animal carcasses, in whole or part. The incinerator shall not be used to incinerate laboratory test animals. Incineration of any other waste will require prior authorization from the Texas Natural Resource Conservation Commission (TNRCC).
11. All carcasses not immediately incinerated upon arrival at the facility shall be refrigerated until they are incinerated at a later time. On-site handling of ash must be accomplished in a manner which will prevent the ash from becoming airborne. Ash from the unit shall be stored in a closed container until transported and disposed of in accordance with applicable TNRCC regulations. If the ash is exempt from TNRCC regulation, transportation shall be in closed containers to prevent ash from becoming airborne.
12. Operation shall be limited from one-hour after sunrise to one-hour before sunset.
13. The incinerator installed and operated in accordance with the conditions of this permit shall meet the applicable requirements of Title 30 Texas Administrative Code Sections 111.121, 111.127, and 111.129 (relating to Single-, Dual-, and Multiple-Chamber Incinerators; Testing Requirements; Monitoring, and Recordkeeping Requirements; and Operating Requirements).
14. Stack sampling and other testing may be required at any time by the Executive Director of the TNRCC to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the unit's stack. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing at his own expense. Should additional sampling be required, it must be conducted in accordance with appropriate procedures of the TNRCC Sampling Procedures Manual.
15. Installation of an emergency generator may be required at any time by the Executive Director of the TNRCC to prevent incinerator shutdowns due to power outages. Permit by Rule 106.511 "Portable and Emergency Engines and Turbines" may be used to authorize the emergency generator. Otherwise, an amendment to this permit will be required.

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### RECORDKEEPING

16. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TNRCC, the U.S. Environmental Protection Agency (EPA), or any air pollution control agency with jurisdiction.
  - A. A copy of this permit.
  - B. Permit application dated June 21, 2001, Emissions Testing, IE43-PPJ Power-Pak Junior Cremator dated June 4, 1998, Emissions Testing, IE43-ET, Ener-Tek Cremator dated November 6, 1997, and subsequent representations submitted to the TNRCC.
  - C. Stack sampling results or other air emissions testing that may be conducted on units authorized under this permit after the date of issuance of this permit.
17. The following data shall be maintained at the facility by the holder of this permit in a form suitable for inspection for a period of two years after collection and shall be made available at the request of personnel from the TNRCC, the EPA, or any air pollution control agency with jurisdiction.
  - A. Records of the weight of carcasses loaded and cycle times to comply with Special Condition No. 2.
  - B. Records of the secondary chamber temperatures as required to comply with Special Condition Nos. 4 and 5.
  - C. Types of carcasses and method of handling (refrigerated or immediate burn) to comply with Special Condition Nos. 10 and 11.
  - D. Operators name, date, and time of operation of the incinerator to comply with Special Condition Nos. 7 and 12.
  - E. Dates and times of incinerator shutdown and/or malfunction, including both the reason for the shutdown/malfunction (malfunction, power outage operator error, etc.) and a description of both corrective and preventative actions taken.

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- F. Records of the final disposition of the ashes after removal from incinerator (landfilled, returned to owner, etc.) to comply with Special Condition No. 11.

Dated December 27, 2001