MEMORANDUM

TO : Ed K. Middleswart, P.E. Ed M 3/13
FROM : Andy Allen, Owen Mancarella
DATE : 03/09/00
SUBJECT : Evaluation Summary for Gulf Coast Crematory,
Human Crematory Incinerator 0050029-001-AC, Bay County

We recommend issuing a permit to Gulf Coast Crematory to install a packaged human crematory incinerator.

Process Description. This emissions unit is a cremation incinerator manufactured by Industrial Equipment & Engineering Company, Inc., Model IE43-PPII, which is fueled with either natural gas or LP gas.

Pollution Control Equipment. Emissions are controlled by a secondary combustion chamber with an operating temperature of at least 1600F.

Environmental Impact

Airborne Contaminant Emitted	FAC Rule	Estimated Emissions lbs/hr	Estimated Emissions T/yr	Allowable Emissions lb/hr	Allowable Emissions T/yr
PM	62-296.401(5)	N/A	N/A	0.41	1.78
NOx	N/A	0.17	0.74	N/A	N/A
SO2	N/A		0.004	N/A	N/A
CO	62-296.401(5)	N/A	0.10	0.25	1.09
Objectionable Odors	62-296.401(1)	N/A		None allowed off plant property.	
VE	62-296.401(1)	N/A		Not more than 5% opacity & 20% for 3 mins/hr.	

Applicable Rules & Regulations. This source is regulated in accordance with FAC Rule 62-296.401(1) & (5).

Compliance Monitoring. Continuous monitor for temperature will record operating temperatures of the secondary combustion chamber. VE testing required annually.

Compliance History. A Warning Letter was sent to the permittee in 1994 due to lateness in renewing the operating permit. When the application for this construction permit was received in January 2000, a file review noted that permittee had again not renewed his operating permit in a timely manner (permit expired on 7/31/99). Also, a recent DEP inspection done in February 2000 found several instances where the facility was operating below the minimum 1400°F temperature for the secondary chamber. Enforcement action related to these violations is in process.

Fee Summary. The source is a AC1F, minor under 5 tons per year. The correct fee of $250 was received with the application.

om:omc