

July 30, 2001

David Fuller  
Hamilton-Mylan Funeral Home, Inc.  
302 West Eleventh Street  
Vancouver, WA 98660-3197

Subject: Final Approval for Installation of a New Crematory

Dear Mr. Fuller:

We have not received any adverse response from the public relative to the Preliminary Determination of Order of Approval SWCAA 01-2372 for your Notice of Construction Number CO-646 submittal. Your comments have been incorporated. Based upon the lack of other critical response and the fact that more than 15 days time has passed since your draft order was sent to you, we are pleased to issue your final Order of Approval.

This Order of Approval may be appealed directly to the Pollution Control Hearings Board (PCHB) at P.O. Box 40903, Olympia, Washington 98504-0903 within 30 days of receipt of this Order as provided in RCW 43.21B. This Order may also be appealed as provided in SWCAA 400-250.

Thank you for your attention in this matter.

Sincerely,

Robert D. Elliott  
Executive Director

RDE:vm  
Enclosures

1 IN THE MATTER OF COMPLIANCE WITH RCW )  
2 70.94 AND THE GENERAL REGULATIONS FOR ) SWCAA 01-2372  
3 AIR POLLUTION SOURCES OF THE ) ORDER OF APPROVAL  
4 SOUTHWEST CLEAN AIR AGENCY )  
5 Hamilton-Mylan Funeral Home, Inc. RESPONDENT )  
6 Vancouver, Washington )

---

8 **BACKGROUND**

- 9 1. Respondent submitted Notice of Construction (NOC) number CO-646 dated August 10,  
10 1999 to the Southwest Clean Air Agency (SWCAA) for approval of an Industrial  
11 Equipment and Engineering Company cremator and afterburner to be located at 1571  
12 Goerig Street, Woodland, Cowlitz County, Washington. However, the site plans were not  
13 approved and an alternative location was selected at 1320 West McLaughlin Blvd.,  
14 Vancouver, Clark County, Washington.
- 15 2. Information contained in NOC CO-646 and in additional information received by SWCAA  
16 May 10, 24 and 25, 2001 indicated that:
- 17 a. Equipment to be installed consists of a new Industrial Equipment and Engineering  
18 Company, model IE43 Power Pak II (PPII) cremator with afterburner.
- 19 b. The cremator has a primary chamber with a volume of 69 cubic feet. One primary  
20 burner, model 150 MBH, is adjustable to a maximum of 0.6 MMBtu/hr and provides  
21 233 cfm of air. It has a capacity of approximately 100 lb/hour with a 2 hour  
22 cremation time, a half hour warm up time, and a half hour cool down period before  
23 the removal of the remains. The burner can be fired on natural gas or liquid

1 petroleum (LP) gas. The temperature varies from 500 °F at the beginning of the first  
2 cremation of the day to 1600 °F or more during successive cremations.

3 c. The secondary chamber, model 150 MBH, has a volume of 70 cubic feet. The  
4 burner is adjustable between 0.5 and 1.2 MMBtu/hr and provides 300 cfm of air.  
5 The burner can be fired on natural gas or liquid petroleum (LP) gas. The  
6 temperature of this chamber, which is monitored by a digital controller, is  
7 maintained at 1500 °F to completely oxidize organic compounds and reduce CO  
8 emissions. There is greater than a 1 second residence time at 600 dscfm.

9 d. Exhaust will be directed through a stack 17 feet high and 20 inches in diameter at an  
10 expected operating flowrate 600 dscfm at a temperature of 900 °F. Ambient air is  
11 blown into the bottom of the stack to reduce the exhaust temperature.

12 e. The average fuel use per cremation is approximately 2.5 MMBtu.

13 3. Emissions to the atmosphere consist of particulate matter (PM), particulate matter smaller  
14 than 10 microns (PM<sub>10</sub>), nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), carbon monoxide  
15 (CO), and volatile organic compounds (VOCs) from the cremation of human bodies using  
16 natural gas.

17 a. Emissions based on emission factors from EPA AP-42 (1/95) Medical Waste  
18 Incinerators Table 2.3-1-3 and intended maximum operating hours of 2,500 hours  
19 per year, approximately 100 lbs cremated per hour are:

	<u>Pollutant</u>	<u>Emission Factor (lb/ton)</u>	<u>Emissions (tpy)</u>
1			
2	PM	4.67	0.29
3	TOC	0.30	0.02
4	NO <sub>x</sub>	3.56	0.22
5	CO	2.95	0.18
6	SO <sub>2</sub>	2.17	0.14
7	HCl	33.5	2.09
8	Lead	0.0728	9.1 lb/yr
9	Total PCBs	0.00005	0.0063 lb/yr

10 However, a human cremator is not a medical waste incinerator. Due to the fact that  
11 only bodies and their containers are incinerated and no plastic bags, needles, or other  
12 medical waste is disposed of, the appearance of PCBs, HCl, and other toxic air  
13 pollutants should be minimal. Based on EPA "FIRE" version 6.23 SCC Code 3-15-  
14 021-1 "Heath Care, Crematoriums" emissions factors and 1,000 bodies per year,  
15 emissions are as follows:

	<u>Pollution</u>	<u>Emission Factor (lb/body)</u>	<u>Emissions (lb/yr)</u>	<u>SQER (lb/yr)</u>
16				
17	HCl	0.072	72	175
18	Lead	6.62 E-5	0.066	20

19 These emissions are well below the SQER as stated in WAC 173-460. However, if  
20 the Respondent operated the facility 8,760 hours per year, the SQER for HCL will  
21 be exceeded.

22 b. CO and PM emissions factors are from source tests on an identical unit (IE43 Power  
23 Pak II) for similar funeral homes. NO<sub>x</sub>, VOC and SO<sub>2</sub> emissions factors are from a  
24 source test on the Ener-Tek cremator, a larger but similar unit. HCl emission factors

are from EPA “FIRE” version 6.23 SCC Code 3-15-021-1 “Heath Care, Crematoriums”. Emissions are as follows, based on intended maximum operating hours of 2,500 hours per year, approximately 100 lbs cremated per hour, and 600 dscfm:

<u>Pollution</u>	<u>PPM</u>	<u>Emission Factor</u>	<u>Emissions (tpy)</u>
PM	--	0.021 gr/dscf	0.14
VOC	5	0.01 lb/hr	0.01
NO <sub>x</sub>	164	0.68 lb/hr	0.85
CO	15	0.03 lb/hr	0.04
SO <sub>2</sub>	16	0.09 lb/hr	0.11
HCl	--	0.029 lb/hr	0.04

4. Respondent further certifies, that based upon the above described parameters:
- a. The equipment and systems as herein described are acceptable to other agencies with jurisdiction; and
  - b. No other emission sources, activities, or points of atmospheric discharge or contemporaneous emission increases are being proposed for installation at this time.

**APPLICABLE REGULATIONS**

5. Regulations have been established for the control of air pollutants to the ambient air. Regulations applicable to the proposed facility that have been used to evaluate the acceptability of the proposed facility and establish emission limits and control requirements include, but are not limited to, the following regulations, codes or requirements. These items establish maximum emissions limits that could be allowed and are not to be exceeded for new or existing facilities. More stringent limits are established in this Order consistent with implementation of Best Available Control Technology (BACT):

- 1 a. Revised Code of Washington (RCW) 70.94.152 requires that no approval to  
2 construct or alter an air contaminant source shall be granted unless all known  
3 available and reasonable means of emissions control are provided and that the  
4 operation of such equipment will not aid in the contravention of ambient air quality  
5 standards.
- 6 b. RCW 70.94.152 provides for the inclusion of conditions of operation as are  
7 reasonably necessary to assure the maintenance of compliance with the applicable  
8 ordinances, resolutions, rules and regulations when issuing an Order of Approval for  
9 installations and establishment of an air contaminant source.
- 10 c. Washington Administrative Code (WAC) 173-050(2) "Emission Standards for  
11 Combustion and Incineration Units" limits operation of incinerators to daylight  
12 hours unless written permission to operate at other times is received from the  
13 Agency.
- 14 d. WAC 173-470 "Ambient Air Quality Standards for Particulate Matter" establishes  
15 ambient air quality standards for total suspended particulate matter and for  
16 particulate matter smaller than 10 microns (PM<sub>10</sub>), which may not be exceeded more  
17 than one day per year.
- 18 e. WAC 173-475 "Ambient Air Quality Standards for Carbon Monoxide, Ozone,  
19 and Nitrogen Dioxide" establishes ambient air quality standards for carbon  
20 monoxide, ozone, and nitrogen dioxide in the ambient air, which shall not be  
21 exceeded.
- 22 f. SWCAA 400-040 "General Standards for Maximum Emissions" requires all new  
23 and existing sources and emission units to meet certain performance standards with  
24 respect to Reasonably Available Control Technology (RACT), visible emissions,

1 fallout, fugitive emissions, odors, emissions detrimental to persons or property,  
2 sulfur dioxide, concealment and masking, and fugitive dust.

3 g. SWCAA 400-040(3), "Fugitive Emissions," requires that reasonable precautions  
4 shall be taken to prevent the release of air contaminants to the atmosphere.

5 h. SWCAA 400-050, "Emission Standards for Combustion and Incineration Units,"  
6 requires that no person shall cause or permit emissions of particulate matter in  
7 excess of 0.1 grains per dry standard cubic foot, corrected to seven percent oxygen.

8 i. SWCAA 400-060 "Emission Standards for General Process Units" requires that all  
9 new and existing sources not emit particulate matter in excess of 0.1 grains per dry  
10 standard cubic foot of exhaust gas.

11 j. SWCAA 400-110 "New Source Review" requires that a Notice of Construction  
12 application be filed with SWCAA prior to the establishment of any new source or  
13 emission unit or modification and that an Order of Approval be issued prior to  
14 establishment of the new source or emission unit or modification.

15 k. SWCAA 400-111 "Requirements for Sources in a Maintenance Plan Area"  
16 requires that no approval to construct or alter an air contaminant source shall be  
17 granted unless it is evidenced that:

18 1. The equipment or technology is designed and will be installed to operate  
19 without causing a violation of the applicable emission standards;

20 2. Emissions will be minimized to the extent that the new source will not  
21 exceed emission levels or other requirements provided in the maintenance  
22 plan;

23 3. Best Available Control Technology will be employed for all air  
24 contaminants to be emitted by the proposed equipment;



**EMISSION LIMITS / REQUIREMENTS**

NOW, HAVING CONSIDERED THIS MATTER AND BEING DULY ADVISED, IT IS  
HEREBY ORDERED:

**OPERATIONAL REQUIREMENTS**

9. THAT, the cremator system, as described in NOC CO-646, be approved, subject to the requirements presented below and in Appendix A, B & C:

a. Annual emissions for the cremator and afterburner based on source test information, tons of bodies cremated and annual hours of operation shall not exceed the following as corrected to 7% O<sub>2</sub>:

<u>Pollutant</u>	<u>PPM</u>	<u>Emission Factor</u>	<u>Limit (tpy)</u>
PM	--	0.025 gr/dscf	0.40
VOC	5	0.01 lb/hr	0.03
NO <sub>x</sub>	140	0.70 lb/hr	2.10
CO	15	0.05 lb/hr	0.15
SO <sub>2</sub>	16	0.10 lb/hr	0.30
HCl	--	0.029 lb/hr	175 lb/yr

b. Annual hours of operation shall not exceed 6,000 hours per year so as not to exceed the HCl emission limit.

c. Temperature of the afterburner while in use shall be maintained at or above 1500 °F.

d. A 30-minute warm-up period shall be performed for the afterburner prior to utilizing the cremator.

e. Natural gas shall be the only fuel used in the cremator.

f. Opacity from the afterburner stack shall not exceed the following for more than 3 minutes in any one hour period as determined by a Certified Observer certified in

1 accordance with 40 CFR 60, Appendix A, Method 9 "Visual Determination of the  
2 Opacity of Emissions from Stationary Sources" in accordance with SWCAA 400  
3 Appendix A:

- 4 1) 5% for the first 15 minutes of the cremation cycle;
- 5 2) 0% for the remaining time of the cremation cycle.

6 g. Compliance emission testing for the cremator shall be performed within 90  
7 calendar days of initial operation in accordance with Appendix B. Testing shall  
8 be performed only once at initial operation.

9 h. A tune up and analysis of emissions with a combustion analyzer shall be  
10 performed a minimum of every five years, to verify continued efficient operation  
11 of the cremator and afterburner. A tune up report shall be submitted to SWCAA  
12 within 60 days of the tune up as provided in Appendix C.

13 i. An operations and maintenance log shall be maintained for the facility to document  
14 the following and be kept available on site for inspection by SWCAA  
15 representatives for a minimum of 3 years:

- 16 1. Annual hours of operation, number of cycles of operation, natural gas  
17 consumption, and total weight of bodies (including containers) cremated for  
18 the cremator;
- 19 2. Maintenance activities performed on the cremator or afterburner;
- 20 3. Average temperature of the afterburner during each use measured at the  
21 beginning and end of each cycle;
- 22 4. Upset conditions shall be recorded and immediate notification made in  
23 accordance with SWCAA 400-107; and
- 24 5. The log shall contain the date and name of the person making the entry.

1 10. THAT, the following records shall be submitted to SWCAA in letter format by March 15  
2 for the previous calendar year. They shall be maintained and kept available on site for  
3 inspection by SWCAA representatives for a minimum period of 3 years:

4 a. Annual individual air emission estimates for particulate matter, particulate matter  
5 smaller than 10 microns, nitrogen oxides, volatile organic compounds, sulfur  
6 dioxide, and carbon monoxide; and

7 b. Annual hours of operation, number of cycles of operation, natural gas consumption,  
8 and total weight of bodies (including containers) cremated for the cremator.

9 11. THAT, operations which cause or contribute to odors which unreasonably interfere with any  
10 other property owner's use and enjoyment of their property shall use recognized good  
11 practice and procedures to reduce these odors to a reasonable minimum.

12 12. THAT, the emission units specified in Notice of Construction CO-646 shall be maintained  
13 and operated in total and continuous conformity with the emissions levels identified in this  
14 section and Appendix A of this Order. If the requirements specified in this section and  
15 Appendix A cannot be maintained, then the operation of the specific equipment involved  
16 shall be terminated until corrective action has been completed.

17 GENERAL REQUIREMENTS

18 13. THAT, for the purpose of ensuring compliance with this Order, duly authorized  
19 representatives of the Southwest Clean Air Agency shall be permitted access to  
20 Respondent's premises and the facilities being constructed, owned, operated and/or  
21 maintained by Respondent for the purpose of inspecting said facilities. These inspections  
22 are required to determine the status of compliance with this Order and applicable regulations  
23 and to perform or require such tests as may be deemed necessary.

- 1 14. THAT, the provisions, terms and conditions of this Order shall be deemed to bind  
2 Respondent, its officers, directors, agents, servants, employees, successors and assigns, and  
3 all persons, firms, and corporations acting under or for it.
- 4 15. THAT, the requirements of this Regulatory Order shall survive any transfer of ownership of  
5 the plant or any portion thereof.
- 6 16. THAT, this Order shall be posted conspicuously at or near the source or maintained within  
7 easy access to be able to identify operating and emissions limitations.
- 8 17. THAT, if construction/installation has not started within eighteen months from date of  
9 issuance, this Order shall be invalid.
- 10 18. THAT, this Order does not supersede requirements of other Agencies with jurisdiction and  
11 further, this Order does not relieve Respondent of any requirements of any other  
12 governmental Agency. In addition to this Order, Respondent may be required to obtain  
13 other permits and approvals from other Agencies with jurisdiction.
- 14 19. THAT, compliance with the terms of this Order does not relieve Respondent from the  
15 responsibility of compliance with SWCAA "General Regulations for Air Pollution  
16 Sources", any previously issued Regulatory Orders, RCW 70.94, Title 173 WAC or any  
17 other applicable emission control requirements, nor from the resulting liabilities and/or legal  
18 remedies for failure to comply.
- 19 20. THAT, no change in this Order shall be made or be effective except as may be specifically  
20 set forth by written order of the Southwest Clean Air Agency up on written application by  
21 the Respondent for the relief sought.
- 22 21. THAT, Respondent shall have the burden of proof regarding unavoidable conditions that  
23 lead to excess emissions in accordance with SWCAA 400-107 "Excess Emissions". Excess  
24 emissions shall be reported to SWCAA as soon as possible, Respondent shall call in the

1 upset condition by telephone as initial notification to SWCAA; a message may be left on the  
2 answering machine for conditions outside of normal business hours. Respondent shall  
3 record the upset condition in the operations log for periodic inspection by SWCAA. A full  
4 report may be requested by SWCAA if determined necessary.

5 22. THAT, if any provision of this Order is held invalid, all unaffected provisions of this Order  
6 shall remain in effect and be enforceable.

7 DATED this 30th day of July, 2001

8  
9 Reviewed by: \_\_\_\_\_

10 Paul T. Mairose, P.E.

11 Chief Engineer

12  
13 Authorized by: \_\_\_\_\_

14 Robert D. Elliott

15 Executive Director

16 Southwest Clean Air Agency

**Appendix A**  
**Condensed Summary of Operational Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372**  
**IE43 Power Pak II Cremator**

<b>1. Emission Limitations:</b>	<b><u>Approval Limit/Requirements</u></b>
a. Opacity (not to exceed for 3 minutes in any one hour period as determined by a Certified Observer certified in accordance with EPA Method 9)	5% - first 15 min of cremation cycle 0% - remaining cremation cycle
b. Emissions from the cremator and after burner shall not exceed as corrected to 7% O <sub>2</sub> :	PM: 0.40 tpy or 0.025 gr/dscf NO <sub>x</sub> : 2.10 tpy or 140 ppm CO: 0.15 tpy or 15 ppm VOC: 0.03 tpy or 5 ppm SO <sub>2</sub> : 0.30 tpy or 16 ppm HCl: 175 lb/yr
c. Emissions to the atmosphere that cause or contribute to a nuisance odor	Shall use recognized good practice and procedures to reduce these odors to a reasonable minimum
 <b>2. Operating Limitations:</b>	
a. Afterburner temperature	Shall be maintained at no less than 1500 °F during the cremation process
b. Prefiring and warmup of afterburner	Shall be a minimum of 0.5 hours
c. Annual hours per year	Shall not exceed 6,000 hours
 <b>3. Monitoring/Record Keeping Requirements:</b>	
a. Operation and maintenance log	Maintained with date and name of person making entry
b. Annual hours of operation, numbers of operation cycles, natural gas consumption and total weight of bodies (including containers) disposed of for the cremator	Recorded in O/M log
c. Upset conditions and maintenance activity	Recorded in O/M log for each occurrence

**Appendix A**  
**Condensed Summary of Operational Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372**  
**IE43 Power Pak II Cremator**

<b>3. Monitoring/Record Keeping Requirements: (con't)</b>	<b><u>Approval Limit/Requirements</u></b>
d. Average cremator temperature	Recorded in O/M log for each use, measured at the beginning and end of each cycle
e. All records and reports required by this Order	Maintained for minimum of three years
f. Emissions testing for the cremator and afterburner	Performed within 90 days of start-up in accordance with Appendix B
g. Cremator and afterburner tune-up	Performed every five years with report submitted 60 days after tune-up in accordance with Appendix C
<b>4. Reporting Requirements:</b>	
a. Emissions to the atmosphere	Calculated and submitted annually to SWCAA in letter format by March 15
b. Annual hours of operation, numbers of operation cycles, natural gas consumption and approximate total weight of bodies disposed of for cremator	Submitted annually to SWCAA in letter format by March 15
c. Upset conditions	Reported to SWCAA via telephone in accordance with SWCAA 400-107

**Appendix B**  
**Air Quality Testing Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372**  
**IE43 Power Pak II Cremator**

**1. Introduction:**

- a. The purpose of this testing is to quantify emissions from the IE43 Power Pak II cremator as a result of cremation of bodies and combustion of natural gas and to demonstrate compliance with the requirements of this Order of Approval.
- b. Compliance emission testing for the cremator shall be performed within 90 days of initial operation of the boiler. No additional source tests are required provided acceptable results are achieved.
- c. A comprehensive test plan shall be submitted to SWCAA for review and approval 10 days prior to the test.
- d. A minimum of two test runs at normal operating conditions for a full two hour cremation cycle shall be performed to establish representativeness of the data.
- e. SWCAA personnel shall be informed at least five days prior to testing so that they may be present during testing.
- f. Testing shall include, but is not necessarily limited to, the constituents identified in Section 2.a below.

**2. Testing Requirements:**

a. Constituents to be measured:	Test Methods or Equivalent:
1. Volumetric flow rate, gas velocity, and temperature	EPA Methods 1 & 2
2. Oxygen (O <sub>2</sub> ) and carbon dioxide (CO <sub>2</sub> )	EPA Method 3A
3. Carbon monoxide (CO)	EPA Method 10
4. Oxides of nitrogen (NO <sub>x</sub> )	EPA Method 7E
5. Sulfur dioxide (SO <sub>2</sub> )	EPA Method 6C
6. Particulate matter (PM)	EPA Method 5, front and back half (front half only for compliance)
7. Exhaust gas moisture content	EPA Method 4

**Appendix B (continued)**  
**Air Quality Testing Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372**  
**IE43 Power Pak II Cremator**

**2. Testing Requirements: (continued)**

- 8. Opacity SWCAA Method 9 (Appendix A  
SWCAA 400)
- b. Process Points to be Tested:
  - 1. Outlet of cremator afterburner exhaust stack for all constituents.

**3. Source Operation:**

- a. A complete record of production related parameters including process startups, shutdowns, and adjustments shall be kept during emissions testing to correlate operations with emissions, and shall be recorded in the test results final report.
- b. Source operations during the emissions test must be representative of normal intended operating conditions.

**4. Reporting:**

- a. A final emission test report shall be prepared and submitted to SWCAA within 45 calendar days of test completion and, at a minimum, shall contain the following information:
  - 1. Description of the source including manufacturer, model number and design capacity of the equipment, and the location of the sample ports or test locations.
  - 2. Time and date of the test and identification and qualifications of the personnel involved.
  - 3. Summary of results, reported in units and averaging periods consistent with the application emissions standard or unit.
  - 4. Summary of control system or equipment operating conditions.
  - 5. Summary of production related parameters.
  - 6. A description of the test methods or procedures used including all field data, quality assurance/quality control procedures and documentation.
  - 7. A description of the analytical procedures used including all laboratory data, quality assurance/quality control procedures and documentation.
  - 8. Copies of field data and example calculations.
  - 9. Chain of custody information
  - 10. Calibration documentation
  - 11. Discussion of any abnormalities associated with the results
  - 12. A statement signed by the senior management official of the testing firm certifying the validity of the source test report.
- b. All test results shall be corrected to 7% oxygen.

**Appendix C  
Tune-Up Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372  
IE43 Power Pak II Cremator**

**1. Introduction:**

- a. The purpose of this tune-up is to assure the IE43 Power Pak II Cremator is operating within normal emission levels as a result of combustion of natural gas and incineration of human bodies and to demonstrate compliance with the requirements of this Order of Approval.
- b. The tune-up shall be performed for the cremator a minimum of every five years.
- c. Three tune-up measurements shall be performed and averaged to determine compliance with this Order of Approval as follows:

<u>Measurement</u>	<u>Schedule</u>
1 <sup>st</sup>	15 minutes into cremation cycle
2 <sup>nd</sup>	45 minutes into cremation cycle (30 minutes after 1 <sup>st</sup> measurement)
3 <sup>rd</sup>	90 minutes into cremation cycle (45 minutes after 2 <sup>nd</sup> measurement)

- d. The tune-up shall include, but is not necessarily limited to, the constituents identified in Section 2.a below.

**2. Tune-up Requirements:**

- |    |  |                             |
|----|--|-----------------------------|
| a. | Constituents to be measured:             | Test Methods or Equivalent: |
|    | 1. Oxygen (O <sub>2</sub> )              | Combustion analyzer         |
|    | 2. Carbon monoxide (CO)                  | Combustion analyzer         |
|    | 3. Oxides of nitrogen (NO <sub>x</sub> ) | Combustion analyzer         |

The combustion analyzer shall have a current calibration.

- b. Process Points to be Tested:
  - 1. Outlet of secondary chamber exhaust stack for all constituents.

**3. Source Operation:**

- a. A complete record of production related parameters (temperature, weight of bodies) including process startups, shutdowns, and adjustments shall be kept during emissions tune-up to correlate operations with emissions, and shall be recorded in the tune-up results report.

**Appendix C  
Tune-Up Requirements**

**Hamilton-Mylan Funeral Home, Inc. Order of Approval No. 01-2372  
IE43 Power Pak II Cremator**

**3. Source Operation: (continued)**

- b. Source operations during the tune-up must be representative of normal intended operating conditions.

**4. Reporting:**

- a. A final emission tune-up report shall be prepared and submitted to SWCAA within 45 calendar days of tune-up completion.
- b. The tune-up report shall include a summary of emissions, tune-up conditions, operational status, copies of actual data sheets, discussion of any operations or tune-up problems or conditions that would influence tune-up data or result in data not being representative of intended operating conditions.
- c. All tune-up results shall be corrected to 7% oxygen.

## State Environmental Policy Act

### DETERMINATION OF NONSIGNIFICANCE (DNS)

**Description of proposal:**

NOC CO-646: Approval of new operation of a cremator with afterburner for an existing funeral home. Cremator is approved to combust only natural gas in addition to human bodies. The cremator and afterburner are required to be maintained at 1500 °F during operation with a one half hour warm-up period. No other environmental media is effected.

**Proponent:**

Hamilton- Mylan Funeral Home, Inc. (David Fuller, President)

**Location of proposal, including street address if any:**

1320 West McLaughlin Blvd.  
Vancouver, WA

**Lead agency:** Southwest Clean Air Agency

**The lead agency for this proposal has determined that it does not have a probable significant impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.**

- There is no comment period for this DNS.
- This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 15 days from the date below. Comments must be submitted by \_\_\_\_\_.

**Responsible official:** Paul T. Mairose, P.E.

**Position/title:** Chief Engineer

**Address:** Southwest Clean Air Agency  
1308 NE 134th Street  
Vancouver, WA 98685-2747

**Phone:** (360) 574-3058 ext 30

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_