

MEMORANDUM

TO: Jerry Kissel, P.E. ~~_____~~
District Air Engineer

DATE: 03/15/94

FROM: David Zell *DZ*
Permit Engineer

SUBJECT: Company: Roberts Funeral Home of Dunnellon, Inc.
Permit No: AO42-243618
County: Marion
Project: Human Crematory Incinerator
Default Date (DAY 90): 04/09/94

This application for a first time operation permit (Certificate of Completion of Construction for construction permit AC42-234786) was received on 01/10/94. The construction permit was processed by Scott Sheplak.

The permitted source consists of B & L Systems, Inc., Model N-20AA, human crematory. The unit is designed to cremate human bodies, with the associated containers, at an average rate of 150 pound/hour. The incinerator consists of primary and secondary (afterburner) chambers each fired exclusively on propane gas with a maximum total heat input rate of 1.3 MMBTU/hour.

Emissions are controlled by the afterburner which will maintain a minimum secondary chamber combustion zone temperature of 1,600°F prior to and during combustion of material in the primary chamber. The secondary chamber temperature will be continuously monitored and recorded.

A Method 9 visible emission test was conducted on the incinerator stack on 12/1/93. The test resulted in visible emissions of 0% opacity. A report of the PM and CO tests (conducted 5/5/93) on an identical unit were submitted with the construction permit application.

I recommend that this permit be issued as conditioned and submit it for your review and approval.

PERMIT APPLICATION FEE/ASSIGNMENT SHEET

APPLICATION TYPE ecoc FILE/PROCESSING NO. A042-243618
COMPANY Roberts Funeral Home COUNTY Marion
SOURCE DESCRIPTION/COMMENTS Human Crematory
DATE APPL. REC'D (Day 1): 1-10
CHECK ATTACHED: N Not Required () APPLICATION SUB TYPE CODE 2A
FEE SUBMITTED: correct () incorrect - Should Be \$ 1500
Submitted \$ 1500
Needed/Refund \$ _____
FEE CHECKED BY: AK DATE 1-11
APPLICATION ASSIGNED TO: DeZell DATE 1/13/94

PERMIT APPLICATION PROCESSING STATUS

	<u>Completed</u>	<u>Initials</u>
Date PATS Updated With Processor Name:	<u>1/13/94</u>	<u>DPJ</u>
Date AC Logged By Section Secretary:	<u>—</u>	<u>—</u>
Permit Engineer Submit Finished Permit Package & Recommendations to District Air Engineer:	<u>3/16/94</u>	<u>DPJ</u>
Permit Package to District Air Administrator:	<u>3/17/94</u>	<u>GR</u>
Permit Package to Director of District Management:	<u>3/18/94</u>	<u>MT</u>
Permit Package Mailed Out:	<u>MAR 22 1994</u>	<u>MQ</u>

DATA FOLLOW UP

Issue Date Updated on PATS:	<u>MAR 22 1994</u>	<u>MQ</u>
Updated on Wang:	<u>—</u>	<u>—</u>

Southern Environmental Sciences, Inc.
1204 North Wheeler Street □ Plant City, Florida 33566-2354 □ (813) 752-5014

December 13, 1993

Mr. Scott Sheplak
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.P.

JAN 10 1994
SOUTHWEST DISTRICT
TAMPA

Re: Roberts Funeral Home of Dunnellon, Inc.
Human Crematory
FDEP Permit No. AC42-2347896

Dear Mr. Sheplak:

Enclosed are the necessary documents to apply for an operating permit for the Roberts Funeral Home of Dunnellon, Inc. human crematory, Permit No. AC42-234786.

According to the construction permit, an application fee of \$1,500.00 and three copies of the following items is attached to complete the application:

- a) certificate of completion of construction,
- b) visible emission test report and associated operating data.
- c) operator training certificates

Please feel free to call us here at Southern Environmental Science, Inc. if we can help with any additional questions you may have.

Sincerely,

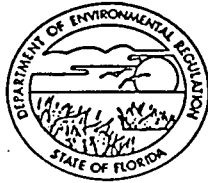
SOUTHERN ENVIRONMENTAL
SCIENCES, INC.

Kim G. Thompson

Ms. Kim G. Thompson, P.E.
Environmental Engineer

Enclosure

cc: Mr. Kenneth Roberts, Roberts Funeral Home of Dunnellon, Inc. ✓
Mr. Steve Looker, B & L Systems



D.E.P.

JAN 10 1994

SOUTHWEST DISTRICT
TAMPA

9042-243618

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION*

PERMIT NO. AC42-234786 DATE: 9/15/93
Company Name: Roberts Funeral Home of
Dunnellon, Inc. County: Marion
Source Identification(s): Human Crematory

Actual costs of serving pollution control purpose: \$ _____

Operating Rates: _____ Design Capacity: 150 lb/hr

Expected Normal 150 lb/hr During Compliance Test Approx. 150 lb/hr

Date of Compliance Test: (1) 12/1/93, (2) 5/5/93 (Attach detailed test report)

Test Results:	Pollutant	Actual Discharge	Allowed Discharge

	<u>Visible Emissions</u>	<u>0%</u>	
	<u>Particulate Matter</u>	<u>0.017 gr/dscf @ 7% O₂</u>	<u>0.080 grains/dscf @ 7% O₂</u>
	<u>Carbon Monoxide</u>	<u>42.5 ppm @ 7% O₂</u>	<u>100 ppm @ 7% O₂</u>

Date plant placed in operation: November 8, 1993

This is to certify that, with the exception of deviations noted**, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC42-234786 dated 9/15/93.

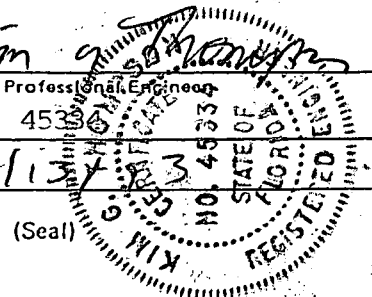
A. Applicant:
Kenneth E. Roberts
Name of Person Signing (Type)

Kent Roberts Owner
Signature of Owner or Authorized Representative and Title

Date: 1-4-93 Telephone: (904) 489-2429

B. Professional Engineer:
Ms. Kim G. Thompson
Name of Person Signing (Type)
Southern Environmental Sciences, Inc.
Company Name

Kim G. Thompson
Signature of Professional Engineer
Florida Registration No. 4533
Date: 12/13/93



1204 N. Wheeler Street, Plant City, FL 33566
Mailing Address
(813) 752-5014
Telephone Number

*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

**As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.

*** 0%, except 20% for 3 minutes in one hour.

(1) Visible Emissions Test.
(2) Compliance Test on Identical Unit (previously submitted)

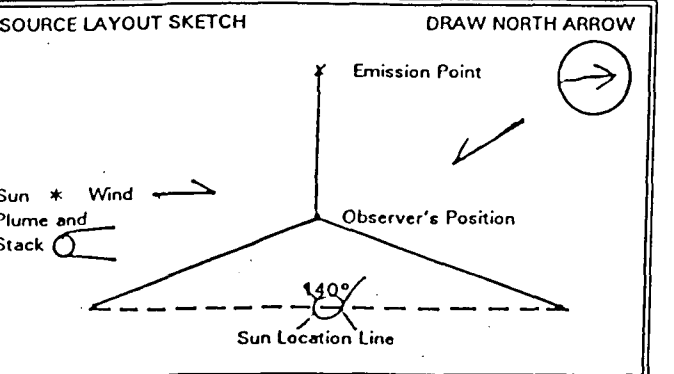
SOUTH. ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street, Plant City, Florida 33566 (813)752-5014

VISIBLE EMISSIONS EVALUATION

COMPANY <u>Roberts Funerals Home</u>	
UNIT <u>Human Cremator Incinerator</u>	
ADDRESS <u>19939 E. Pennsylvania Ave.</u>	
<u>Dunnellon, FL 34432</u>	

PERMIT NO. <u>AC42-234786</u>	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
PROCESS RATE <u>APPROX.</u> <u>150 lb/hr</u>	PERMITTED RATE <u>150 lb/hr</u>
PROCESS EQUIPMENT <u>Incinerator</u>	
CONTROL EQUIPMENT <u>Afterburner</u>	
OPERATING MODE <u>Propane Gas Fired</u>	AMBIENT TEMP. (°F) START <u>65°</u> STOP <u>67°</u>
HEIGHT ABOVE GROUND LEVEL START <u>15'</u> STOP <u>15'</u>	HEIGHT REL. TO OBSERVER START <u>15'</u> STOP <u>15'</u>
DISTANCE FROM OBSERVER START <u>50'</u> STOP <u>50'</u>	DIRECTION FROM OBSERVER START <u>W</u> STOP <u>W</u>
EMISSION COLOR <u>N/A</u>	PLUME TYPE <u>N/A</u> CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT NO <input checked="" type="checkbox"/> <u>N/A</u> YES <input type="checkbox"/>	IS WATER DROPLET PLUME <u>N/A</u> ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START <u>Stack Exit</u> STOP <u>Stack Exit</u>	
DESCRIBE BACKGROUND START <u>sky/trees</u> STOP <u>sky/trees</u>	
BACKGROUND COLOR START <u>bl/gc</u> STOP <u>bl/gc</u>	SKY CONDITIONS START <u>clear</u> STOP <u>clear</u>
WIND SPEED (MPH) START <u>0-5</u> STOP <u>0-5</u>	WIND DIRECTION START <u>NE</u> STOP <u>NE</u>
AVERAGE OPACITY FOR HIGHEST PERIOD <u>0</u>	RANGE OF OPAC. READINGS MIN. <u>0</u> MAX. <u>0</u>



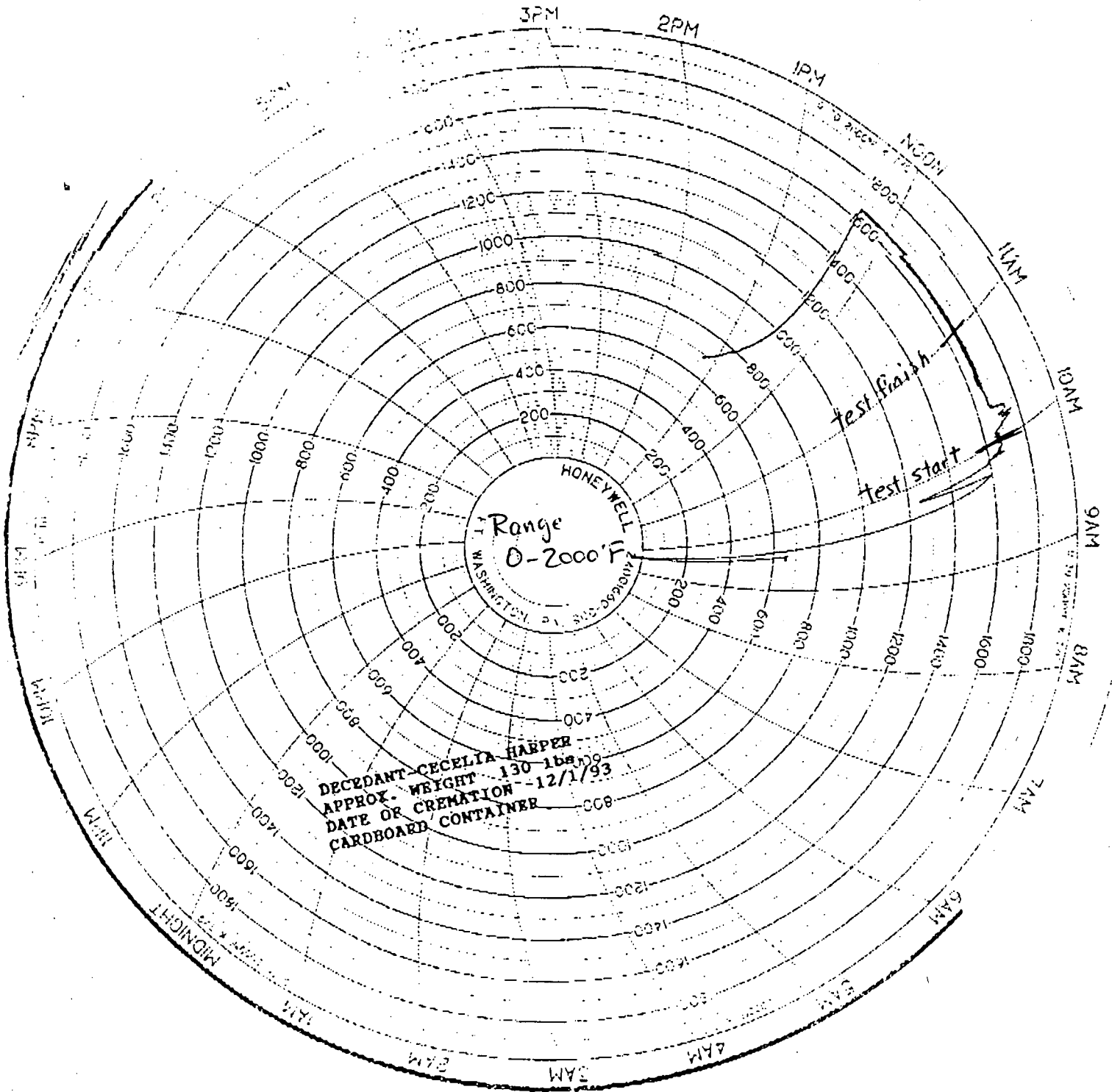
COMMENTS B&L Systems N-20AA
Serial #215-47-93

OBSERVATION DATE					START TIME					STOP TIME				
<u>12/1/93</u>					<u>1000</u>					<u>1100</u>				
SEC	0	15	30	45	SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN					MIN				
0	0	0	0	0	30	0	0	0	0					
1	0	0	0	0	31	0	0	0	0					
2	0	0	0	0	32	0	0	0	0					
3	0	0	0	0	33	0	0	0	0					
4	0	0	0	0	34	0	0	0	0					
5	0	0	0	0	35	0	0	0	0					
6	0	0	0	0	36	0	0	0	0					
7	0	0	0	0	37	0	0	0	0					
8	0	0	0	0	38	0	0	0	0					
9	0	0	0	0	39	0	0	0	0					
10	0	0	0	0	40	0	0	0	0					
11	0	0	0	0	41	0	0	0	0					
12	0	0	0	0	42	0	0	0	0					
13	0	0	0	0	43	0	0	0	0					
14	0	0	0	0	44	0	0	0	0					
15	0	0	0	0	45	0	0	0	0					
16	0	0	0	0	46	0	0	0	0					
17	0	0	0	0	47	0	0	0	0					
18	0	0	0	0	48	0	0	0	0					
19	0	0	0	0	49	0	0	0	0					
20	0	0	0	0	50	0	0	0	0					
21	0	0	0	0	51	0	0	0	0					
22	0	0	0	0	52	0	0	0	0					
23	0	0	0	0	53	0	0	0	0					
24	0	0	0	0	54	0	0	0	0					
25	0	0	0	0	55	0	0	0	0					
26	0	0	0	0	56	0	0	0	0					
27	0	0	0	0	57	0	0	0	0					
28	0	0	0	0	58	0	0	0	0					
29	0	0	0	0	59	0	0	0	0					

Observer: <u>Mark Gierke</u>
Certified by: <u>FDER Through ETA</u>
Certified at: <u>Tampa, FL</u>
Date Certified: <u>8/93</u>
Expiration Date: <u>2/94</u>

Best Available Copy

ROBERTS FUNERAL HOME OF DUNNELLON, INC.



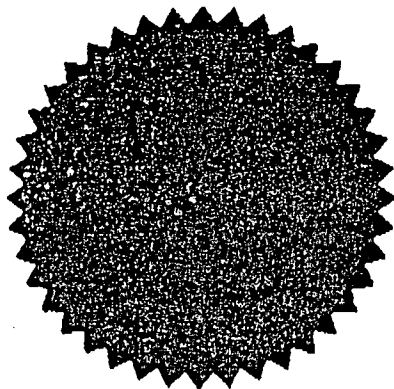
Note: Actual time combustion is complete is not apparent without opening incinerator door. This unit is run on automatic.

OPERATOR
Jerry Kreager

CERTIFICATE
OF

INCINERATOR OPERATOR TRAINING
F.D.E.P. APPROVED TRAINING PROGRAM

RAYMOND HART HAS SUCCESSFULLY
COMPLETED THE TRAINING PROGRAM PERFORMED
BY STEVE LOOKER ON THE N-20AA CREMATION
RETORT ON NOVEMBER 8, 1993.





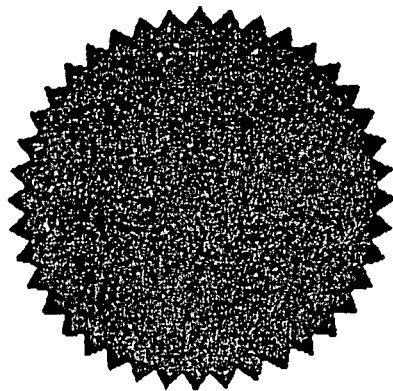
STEVE LOOKER, PRESIDENT

NOVEMBER 8, 1993
DATE

CERTIFICATE
OF

INCINERATOR OPERATOR TRAINING
F.D.E.P. APPROVED TRAINING PROGRAM

JERRY KREAGER HAS SUCCESSFULLY
COMPLETED THE TRAINING PROGRAM PERFORMED
BY STEVE LOOKER ON THE N-20AA CREMATION
RETORT ON NOVEMBER 8, 1993.



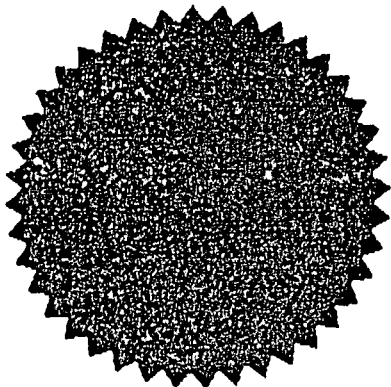
STEVE LOOKER, PRESIDENT

NOVEMBER 8, 1993
DATE

*CERTIFICATE
OF*

INCINERATOR OPERATOR TRAINING
F.D.E.P. APPROVED TRAINING PROGRAM

KENNETH E. ROBERTS HAS SUCCESSFULLY
COMPLETED THE TRAINING PROGRAM PERFORMED
BY STEVE LOOKER ON THE N-20AA CREMATION
RETORT ON NOVEMBER 8, 1993.



STEVE LOOKER, PRESIDENT

NOVEMBER 8, 1993
DATE

APPLICATION TRACKING SYSTEM

MAR 22 1994

01/12/94

APPL NO:243618

APPL RECVD:01/10/94 TYPE CODE:AD SUBCODE:2A

LAST UPDATE:01/12/94

DER OFFICE RECVD:IPA DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:~~AIR~~ ELL

APPL STATUS:AC DATE:01/10/94 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/~~ISSUED~~/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:42

(Y/N) N OGC HEARING REQUESTED

LAT/LONG:29.02.50/82.27.55

(Y/N) N PUBLIC NOTICE REQD?

Basin-Segment:_____

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:HUMAN CREMATORY

STREET:19939 E. PENNSYLVANIA AVE. CITY:DUNNELLON

STATE:FL ZIP:_____ PHONE:_____

APPLICATION NAME:ROBERTS FUNERAL HOME OF DUNNELLON

STREET:19939 E. PENNSYLVANIA AVE. CITY:DUNNELLON

STATE:FL ZIP:34432 PHONE:904-489-2429

AGENT NAME:THOMPSON, KIM G.

STREET:1204 N. WHEELER ST. CITY:PLANT CITY

STATE:FL ZIP:33566 PHONE:813-752-5014

FEE #1 DATE PAID:01/10/94 AMOUNT PAID:01500 RECEIPT NUMBER:00224671

B	DATE	APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	---	---	---	---	---	---	---	---	---
C	DATE	DER SENT DNR APPLICATION/SENT DNR INTENT	---	---	---	---	---	---	---	---	---
D	DATE	DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	---	---	---	---	---	---	---	---	---
E	DATE	#1 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
E	DATE	#2 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
E	DATE	#3 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
E	DATE	#4 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
E	DATE	#5 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
E	DATE	#6 ADDITIONAL INFO REQ--REC FROM APPLICANT	---	---	---	---	---	---	---	---	---
F	DATE	LAST 45 DAY LETTER WAS SENT	---	---	---	---	---	---	---	---	---
G	DATE	FIELD REPORT WAS REQ--REC	---	---	---	---	---	---	---	---	---
H	DATE	DNR REVIEW WAS COMPLETED	---	---	---	---	---	---	---	---	---
I	DATE	APPLICATION WAS COMPLETE	---	---	---	---	---	---	---	---	---
J	DATE	GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	---	---	---	---	---	---	---	---	---
K	DATE	NOTICE OF INTENT WAS SENT--REC TO APPLICANT	---	---	---	---	---	---	---	---	---
L	DATE	PUBLIC NOTICE WAS SENT TO APPLICANT	---	---	---	---	---	---	---	---	---
M	DATE	PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	---	---	---	---	---	---	---	---	---
N	WAIVER	DATE BEGIN--END (DAY 90)	---	---	---	---	---	---	---	---	---

01/10/94

COMMENTS:

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

224671

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Roberts Funeral Home Date 1-10-94

Address 19939 E. Pennsylvania Ave, Dennellon Dollars \$ 1500 00

Applicant Name & Address Same

cl# Source of Revenue operate - Human Crematory

Revenue Code 2223 Application Number A042-243618

By Betty Carson

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