

Solid Waste Authority P.1/2

File

**CDM** Camp Dresser & McKee

**FACSIMILE**

1601 Belvedere Road, Suite 211 South  
West Palm Beach, Florida 33406  
407-689-3336  
407-689-9713 Fax

Date: Feb 7, 96

Please deliver to:

To: Ms. Teresa Heron, FDEP/Tallahassee

Firm: FDEP/Tallahassee

Fax No.: 904-922-6979

From: Alex Makled

Job No.: 2678-08/Solid Waste Authority of Palm  
Beach County

Total No. of Pages: 2 (Including this one)

Summary: Teresa,

As discussed this morning, this  
is the Proof of Publication that  
was published on Jan 19, 1996  
in the Palm Beach Post.

If for any reason, you have trouble during receipt of this transmission  
please contact the sender at the number listed above. Thank You.

# THE PALM BEACH POST

Published Daily and Sunday  
West Palm Beach, Palm Beach County, Florida

## PROOF OF PUBLICATION

STATE OF FLORIDA  
COUNTY OF PALM BEACH

Before the undersigned authority personally appeared Jody Dunowitz  
who on oath says that she/he is Class Adv Mgr of The Palm Beach Post,  
a daily and Sunday newspaper published at West Palm Beach in Palm Beach County,  
Florida; that the attached copy of advertising, being a Notice  
in the matter of Intent to Issue Permit  
in the \_\_\_\_\_ Court, was published in said newspaper in  
the issues of January 19, 1996

Affiant further says that the said The Post is a newspaper published at West Palm Beach,  
in said Palm Beach County, Florida, and that the said newspaper has heretofore been  
continuously published in said Palm Beach County, Florida, daily and Sunday and has been  
entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach  
County, Florida, for a period of one year next preceding the first publication of the attached  
copy of advertisement; and affiant further says that she/he has neither paid nor promised  
any person, firm or corporation any discount, rebate, commission or refund for the purpose  
of securing this advertisement for publication in the said newspaper.

Jody Dunowitz  
\_\_\_\_\_

Sworn to and subscribed before me this 19 day of January A.D. 19 96

OFFICIAL NOTARY SEAL  
KAREN M. MCLINTON  
NOTARY PUBLIC STATE OF FLORIDA  
COMMISSION NO. CC240480  
MY COMMISSION EXP. NOV. 15, 1996

Karen M. McLinton  
\_\_\_\_\_  
Karen M. McLinton, Notary Public

Personally known XX or Produced Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_

P. 2/2  
NO. 186837  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION  
NOTICE OF  
INTENT TO ISSUE PERMIT  
AMENDMENT  
PSD-FL-108(F)  
The Department of Environ-  
mental Protection gives notice  
of its intent to issue a permit  
amendment to the Solid Waste  
Authority of Palm Beach County  
to incorporate permit  
changes to reflect the installa-  
tion of a landfill gas collection  
system to control emissions  
from the Class I and Class II  
landfills at the North County  
Resource Recovery Facility  
(RCRF). This facility is located  
at 7501 North Jog Road,  
West Palm Beach, Palm Beach  
County, Florida.  
The landfill associated with  
the RCRF consists of a 174-  
acre Class I landfill of double-  
liner technology with a landfill  
gas collection system and a  
152 acre Class II landfill of  
single-liner technology with a  
landfill gas collection system.  
Landfills (Class I and Class  
II) at the site began in 1989  
upon closing of the Dyer Hou-  
seward Landfill, northeast of  
this site. Construction of the  
327-acre landfill is to be  
phased over the life of the fac-  
ility with site closure estimated  
for 2017 based on the  
Landfill Airspace Deposition  
Model. The installation of  
landfill gas collection system  
said there will reduce the  
emissions of volatile organic  
compounds and control odors.  
The project will emit less than  
significant amounts of nitro-  
gen oxides, volatile organic  
compounds, sulfur dioxide,  
particulate matter and carbon  
monoxide and will not result in  
the increase of ground level  
concentrations of these pollut-  
ants.  
This permit amendment is is-  
sued pursuant to Section 403,  
Florida Statutes.  
Any person whose substantial  
interests are affected by the  
Department's proposed per-  
mitting decision may petition  
for an administrative proceed-  
ing (hearing) in accordance  
with Section 120.57, Florida  
Statutes (F.S.). The petition  
must contain the information  
set forth below and must be  
filed (received) in the Office of  
General Counsel of the De-  
partment at 2500 Blair Stone  
Road, Tallahassee, Florida  
32309-2400, within 14 days of  
publication of this notice. Pet-  
itioner shall mail a copy of the  
petition to the applicant at the  
address indicated above at  
the time of filing. Failure to  
file a petition within this time  
period shall constitute a waiver  
of any right such person

NO. 185837  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION  
NOTICE OF  
INTENT TO ISSUE PERMIT  
AMENDMENT  
PSD-FL-108(S)

The Department of Environmental Protection gives notice of its intent to issue a permit amendment to the Solid Waste Authority of Palm Beach County to incorporate permit changes to reflect the installation of a landfill gas collection system to control emissions from the Class I and Class II landfills at the North County Resources Recovery Facility (NCRRF). This facility is located at 7501 North Jog Road, West Palm Beach, Palm Beach County, Florida.

The landfills associated with the NCRRF consist of a 174-acre Class I landfill of double-lineer technology with a leachate collection system and a 152-acre Class II landfill of single-lineer technology with a leachate collection system. Landfilling (Class I and Class II) at the site began in 1989, upon closing of the Dyer Boulevard Landfill, northeast of this site. Construction of the 327-acre landfill is to be phased over the life of the facility with site closure estimated for 2017 based on the Landfill Airspace Depletion Model. The installation of landfill gas collection system and flares will reduce the emissions of volatile organic compounds and control odors. The project will emit less than significant amounts of nitrogen oxides, volatile organic compounds, sulfur dioxide, particulate matter and carbon monoxide and will not result in the increase of ground-level concentrations of these pollutants.

This permit amendment is issued pursuant to Section 403 of Florida Statutes.

Any person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or

proposed action. If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C. The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:  
Department of Environmental Protection, Bureau of Air Regulation, 111 S. Mangrove Drive, Suite 4, Tallahassee, Florida 32301  
Department of Environmental Protection  
1900 South Congress Avenue  
Air A, West Palm Beach, FL 33406  
Division of Environmental Science  
Palm Beach County Health Unit  
901 Evernia  
West Palm Beach, Florida 33402-0029  
Any person may send written comments on the proposed action to Administrator, New Source Review Section, at the Department of Environmental Protection, Bureau of Air Regulation, Mail Station, 5506, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. All comments received within 30 days of the publication of this notice will be considered in the Department's final determination. Further, a public hearing can be requested by any person(s). Such requests must be submitted within 30 days of this notice.  
PUB: The Palm Beach Post  
January 19, 1996



Camp Dresser & McKee Inc.

environmental  
services

1601 Belvedere Road, Suite 211 South  
West Palm Beach, Florida 33406  
Tel: 407 689-3336 Fax: 407 689-9713

January 19, 1996

AIRBORNE EXPRESS

C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED

JAN 22 1996  
BUREAU OF  
AIR REGULATION

Subject: PSD-FL-108(B)  
Application to Construct/Operate Landfill Gas  
Management System for Class I and Class III Landfills  
North County Resource Recovery Facility  
Solid Waste Authority of Palm Beach County

Dear Mr. Fancy:

Transmitted herewith is the proof of publication of the Notice of Intent to Issue the Permit for the referenced project. This notice of intent was published in the legal section of the Palm Beach Post as requested in the Department's letter dated December 19, 1995 to Mr. David B. Lowe of the Solid Waste Authority of Palm Beach County.

If you should have any questions, please call me.

Very truly yours,

CAMP DRESSER & MCKEE INC.

Alex H. Makled, P.E.

AHM/mjm  
Enclosure

File: 2678-08-PM[1]

cc: John Booth, P.E.  
David Low, P.E.

CC: SED  
EPA  
NPS  
B. Owen, PPS  
T. Heron, BAR  
J. Koerner, PBC

# CDM Camp Dresser & McKee

FACSIMILE

1601 Belvedere Road, Suite 211 South  
West Palm Beach, Florida 33406  
407-689-3336  
407-689-9713 Fax

Date: Jan 16, 1996

Please deliver to:

To: Ms. Teresa Heron, FDEP / Tallahassee

Firm: FDEP / Tallahassee

Fax No.: 904 - 922 6979

From: Alex Marked

Job No.: 2678-08 / Solid Waste Authority  
of Palm Beach County

Total No. of Pages: 4 (Including this one)

Summary: \_\_\_\_\_

Teresa, Please review and incorporate  
our comments on the draft permit  
into the final permit. If there  
are any questions on any of our  
comments, please call me.

If for any reason, you have trouble during receipt of this transmission  
please contact the sender at the number listed above. Thank You.

**DRAFT**

December xx, 1995

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Mr. David B. Lowe  
 Solid Waste Authority of  
 Palm Beach County  
 7501 North Jog Road  
 West Palm Beach, Florida 33412

Dear Mr. Lowe:

Re: North County Resource Recovery Facility (NCRRF)  
 PSD-FL-108(B), Solid Waste Authority of Palm Beach County

The Department received your request of August 11, 1995, and supporting information to install a landfill collection system to control emissions from the Class I and Class III landfills at the North County Resource Recovery Facility (NCRRF). This request will require adding new specific conditions to the above referenced PSD permit. This permit is amended as follows:

**NEW SPECIFIC CONDITIONS:**

1. This source shall be allowed to operate continuously (i.e., 8760 hours/year).
2. The utility flare system shall be designed, manufactured, and operated according to U.S. Environmental Protection Agency criteria as specified in 40 CFR 60.18, guaranteeing high efficiency combustion of landfill gas at the 98% level of destruction of total hydrocarbons, with a flame temperature of at or above 1400°F.
3. There shall be no visible emissions from any individual flare, except for periods not to exceed a total of five minutes during any two consecutive hours.
4. For inventory purposes, the pollutant emission rates from the flare system are:

↑  
 each of

DRAFT

Mr. David B. Lowe  
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 December XX, 1995

EMISSION RATE

<u>Pollutant</u>	<u>Emission Factors</u>	<u>Pounds/Hour</u>	<u>Tons/Year</u>
NO <sub>x</sub>	0.07 LB/MMBTU	1.67	7.33
VOC	36 LBS/MMF <sup>3</sup>	1.94 <i>97.2 lb/hour</i>	8.51
SO <sub>2</sub>	0.002 LB/HR/DSCFM	1.67	1.33
PM <sub>10</sub>	1.69 E-05 LBS/SCF	0.91	3.99
CO	0.37 LB/MMBTU	9.10	39.87

*no change*

5. This source shall meet the applicable requirements of 40 CFR Subpart WWW, NSPS for Municipal Solid Waste Landfills; 40 CFR 60.18, General Control Device Requirements; Chapters 62-209 through 297 and 62-4, F.A.C.

6. Compliance with the visible emissions standard shall be determined using EPA Method 22 and shall be for the duration of 2 hours. Such tests shall be conducted within 60 days of completion of construction and initial startup operation, and annually thereafter. The required visible emissions test report shall also contain the extraction wells gas flow rate and the flare temperature data.

*Just change #*

7. ~~Sulfur content of the input gas to any flare shall not exceed 0.045 pounds per hour.~~ *0.065*

8. An analysis shall be performed to determine the sulfur content of input gas to the flare, by the American Society for Testing and Materials (ASTM) test method, D 1072-90, prior to any flare startup. Additional tests shall be performed on a yearly basis, and results included as part of the facility's annual operating report.

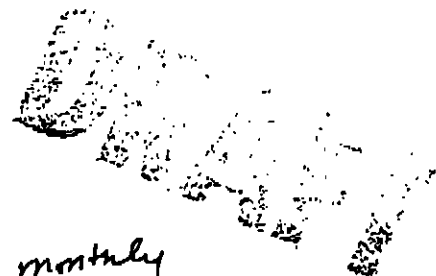
9. Pursuant to Rule 62-296.320(2), F.A.C., Objectionable Odors caused by these sources are prohibited.

10. Total volumetric flow to any flare in the system shall be limited to 900 scfm. Total volumetric flow to the aggregate of the two flares shall be limited to 1800 scfm.

11. Proper devices shall be installed at all wellheads, and at the flare station for 1) gas flow volume and gas pressure measurements, 2) gas composition analysis, 3) gas temperature and flame temperature recording, and 4) flow control, prior to the collection and disposal of the active landfill gases. Such devices shall be properly calibrated and maintained at all times, according to manufacturers' written instructions.

*0.65*

Mr. David B. Lowe  
Page Three  
December XX, 1995



The checking and recording of the gas flow, temperature, pressure, and ~~composition, and flame temperature,~~ shall be performed on a ~~weekly~~ <sup>on a monthly</sup> basis for all wells and the flare station. <sup>and</sup>

The permittee shall keep a hard copy of the ~~weekly~~ gas extraction monitoring and analysis data, as well as instrumentation history records, on site at all times. The ~~weekly~~ data shall be summarized and included as part of the facility's annual operating report.

*Change quantity*

*specified in 40 CFR 60 Subpart WWW 2505 for Municipal Solid Waste Landfills.*

*These sources shall comply with recording and recordkeeping requirements*  
12. The net heating value of the input gas shall be 200 Btu/scf or greater. Compliance with this parameter shall be determined by methodology specified in paragraph f of 40 CFR 60.18. Samples shall be taken, and results reported annually.

13. Actual exit velocity of each flare shall be calculated and reported on an annual basis, using methods specified in paragraph f of 40 CFR 60.18.

~~14. An operation and maintenance plan shall be submitted to the Department's Southeast District office prior to applying for an operating permit. (Please delete this condition - see note below)~~

15. The Southeast District office shall be given at least 15 days written notice prior to compliance testing.

16. Prior to placing the flare in service, the pilot gas for the flare shall be fired by propane at 25 scfh (standard cubic feet per hour), with a maximum heat input rate of .06 MMBtu/hour. The pilot light is not required when the flame is sustained by the landfill gas alone.

~~17. An application for an operation permit shall be submitted to the Department in accordance with Rule 62-213.420, Permit Applications (Please delete this condition - see note below)~~

The application we submitted was for a "construct/operate" permit and it included a Flare Maintenance schedule in Appendix I. Additionally, as stated in the application's cover letter, the Solid Waste Authority is currently preparing the Title V permit application (40 CFR Part 70) for their waste to energy facility. The Title V permit application will include the emission from the landfills' gas system flares.