

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF FINAL PERMIT

In the Matter of an  
Application for Permit by:

Ms. Nancy McCann  
Urban Environmental Coordinator  
City of Tampa  
306 East Jackson Street, 5N  
Tampa, Florida 33602

DEP File No. 0570127-003-AC  
PSD-FL-086B  
McKay Bay Refuse-to-Energy Facility  
Hillsborough County

Enclosed is final PSD permit modification number 0570127-003-AC and PSD-FL-086B. This permit authorizes the City of Tampa to revise the number of lime and carbon silos and provides for a description of the control equipment for those silos and the ash and scalper buildings. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

  
C. H. Fancy, P.E., Chief  
Bureau of Air Regulation

CERTIFICATE OF SERVICE


The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 6-15-00 to the person(s) listed:

Nancy McCann, City of Tampa \*  
Dick Greco, Mayor, City of Tampa  
Greg Grotecloss, City of Tampa  
Daniel Kleman, Hillsborough County Administrator  
Douglas W. Fredericks, P.E., CDM  
Don Elias, RTP

David S. Dee, Landers & Parsons  
Bill Thomas, P.E., DEP SWD  
Jerry Campbell, Hillsborough County EPC  
Mr. Gregg Worley, EPA  
Mr. John Bunyak, NPS

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

6-15-00  
(Date)

7 341 355 314

US Postal Service  
**Receipt for Certified Mail**

No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

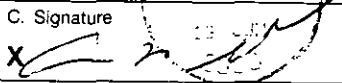
Sent to	
Nancy McCann	
Street & Number	
City of Tampa	
Post Office, State, & ZIP Code	
Tampa FL	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
0570127-003-AC 6-15-00 PSD-FI-086B	

PS Form 3800, April 1995

- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
 Ms. Nancy McCann  
 Urban Env. Coordinator  
 City of Tampa  
 306 E. Jackson St., 5N  
 Tampa, FL 33602

Received by (Please Print Clearly) \_\_\_\_\_ Date of Delivery \_\_\_\_\_

C. Signature   Agent  
 Addressee

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Copy from service label)

7 341 355 314

## FINAL DETERMINATION

City of Tampa  
McKay Bay Refuse-to-Energy Facility  
DEP File No. 0570127-003-AC, PSD-FL-086B

The Department distributed a public notice package on April 18, 2000 to allow the applicant to modify PSD permit PSD-FL-086A for the City's McKay Bay Refuse-to-Energy Facility located at 107 North 34<sup>th</sup> Street, Tampa, Hillsborough County, to revise the number of lime and carbon silos and describe the control equipment for those silos and the ash and scalper buildings. The Public Notice of Intent to Issue was published in The Tampa Tribune on May 2, 2000.

### COMMENTS/CHANGES

No comments were received by the Department from the public, EPA, NPS/FWS, Hillsborough County EPC, or the applicant.

### CONCLUSION

The final action of the Department is to issue the permit with no changes.



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

June 5, 2000

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. Nancy McCann  
Urban Environmental Coordinator  
City of Tampa  
306 East Jackson Street, 5N  
Tampa, Florida 33602

Re: DEP File No. 0570127-003-AC, PSD-FL-086B  
Modification of Permit No. 0570127-002-AC, PSD-FL-086A  
McKay Bay Refuse-to-Energy Facility

The applicant, the City of Tampa, applied on March 29, 2000, to the Department for a modification to PSD permit number 0570127-002-AC, PSD-FL-086A for its McKay Bay Refuse-to-Energy Facility located at 107 North 34th Street, Tampa, Hillsborough County. The modification is to revise the number of lime and carbon silos and describe the control equipment for those silos and the ash and scalper buildings. The Department has reviewed the modification request. The referenced permit is hereby modified as follows:

The entries for emissions units 100, 101 and 102 for the emissions units tables in the permit (in Section III, Subsections A (EU 100), C and D) shall be revised as follows:

EMISSIONS UNIT NO.	EMISSIONS UNITS DESCRIPTION
100	<u>Ash building and handling system, including scrubbers for ash building and scalper building</u>
101	<u>Two lime silos with common vent filter</u>
102	<u>Two carbon silos each with vent filter</u>

Section III, Subsection C shall be revised as follows:

## EMISSION LIMITATIONS

### C.1 Lime & Carbon Silos and Ash Handling System:

Particulate emissions from these emissions units shall be limited as follows:

- (a) In no case shall PM emissions from the lime storage silos' common exhaust exceed 0.015 gr/dscf during filling operations of the lime storage silos. Visible emissions shall not exceed 5% opacity in accordance with specific condition C.3.
- (b) In no case shall particulate matter emissions from ~~the~~ either activated carbon storage silo exhaust exceed 0.015 gr/dscf during filling operations of the activated carbon storage silos. Visible emissions shall not exceed 5% opacity in accordance with specific condition C.3.
- (c) Visible emissions from the ash conveyor systems, transfer points, buildings, scrubber exhausts for the ash building and scalper building, or enclosures of ash conveying systems

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Printed on recycled paper.

shall not occur more than 5 percent of the time during the observation period, except during times of maintenance or repair of these systems. This emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems.

- (d) The potential for dust generation by ash handling activities will be mitigated by quenching the ash prior to loading in ash transport trucks. The ash handling facilities shall be enclosed and the permittee is authorized to install scrubbers on the ash building and scalper building to control particulate emissions. Residue from the grates, grate siftings, and ash from the combustor/boiler and fabric filter hoppers during normal operations shall be discharged into the ash quenching system, or otherwise handled in a manner to minimize visible dust. The ash/residue in the ash handling building shall remain sufficiently moist to prevent dust during storage and handling operations.

[Rule 62-4.070(3), F.A.C., 40 CFR 60.36b and 40 CFR 60.55b]

[Note: The fugitive particulate matter control requirements for the ash handling activities specified in 40 CFR 60.55b and in this permit represent RACT for this facility pursuant to the Department's authority of Rule 62-296.711(2)(c), F.A.C.]

#### COMPLIANCE AND PERFORMANCE TESTING

C.2 Fugitives Emissions Compliance: The compliance method for the ash handling facilities, including the ash ~~handling building vent~~ and scalper building scrubber exhausts, shall be EPA Method 22, Visual Determination of Fugitives Emissions From Material Sources.

- (a) The minimum observation time ~~will~~ shall be three ~~hours~~ one hour periods, and ~~will~~ shall include periods when ash is being transferred from the MWC unit to the storage area, and when ash is being loaded for disposal.
- (b) Compliance testing for the ~~Ash Handling Building vent~~ and ash conveyor system and scrubber exhausts for the ash building and scalper building shall be conducted within 180 days of completion of construction and initial operation and annually thereafter.

Permanent stack testing facilities are not required for the ~~ash handling building vent~~ scrubber exhausts for the ash building and scalper building.

[Rule 62-4.070(3), F.A.C., 40 CFR 60.36b and 40 CFR ~~60.55b~~ 60.58b]

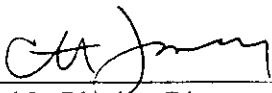
C.3. Carbon and Lime Storage Silos PM Compliance Requirements: The PM compliance test requirements are waived for the lime and carbon storage silos and an alternate standard of 5 percent opacity shall apply. Compliance testing for the lime and carbon silos shall be conducted within 180 days of completion of construction and initial operation and annually thereafter. The visible emission tests shall be performed for each silo during filling operations using EPA Method 9. A visible emission reading greater than 5 percent opacity does not create a presumption that the emission limit (in gr/dscf) is being violated, but may require the owner or operator to perform a particulate stack test. Permanent stack testing facilities are not required for the lime and carbon silos. The owner or operator may install temporary stack sampling facilities to conduct such a test, if required.

[Rule 62-297.620(4), F.A.C.]

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

  
for Howard L. Rhodes, Director  
Division of Air Resources  
Management

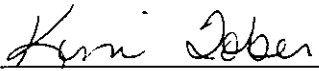
**CERTIFICATE OF SERVICE**

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Greg Grotecloss, City of Tampa  
Daniel Kleman, Hillsborough County Administrator  
Douglas W. Fredericks, P.E., CDM  
Don Elias, RTP  
David S. Dee, Landers & Parsons  
Bill Thomas, P.E., DEP SWD  
Jerry Campbell, Hillsborough County EPC  
Mr. Gregg Worley, EPA  
Mr. John Bunyak, NPS

Clerk Stamp

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with the designated Department Clerk, receipt of  
which is hereby acknowledged.

  
\_\_\_\_\_  
(Clerk)

6-15-00  
\_\_\_\_\_  
(Date)

Florida Department of  
Environmental Protection

Memorandum

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TO: Howard L. Rhodes

THRU: Clair Fancy  
Al Linero *AL Linero*

FROM: Joe Kahn *JK*

DATE: June 5, 2000

SUBJECT: DEP File No. 0570127-003-AC, PSD-FL-086B  
Modification of Permit No. 0570127-002-AC, PSD-FL-086A  
McKay Bay Refuse-to-Energy Facility

Attached for approval and signature is the final modification to PSD permit number 0570127-002-AC, PSD-FL-086A for the City of Tampa's McKay Bay Refuse-to-Energy Facility located at 107 North 34th Street, Tampa, Hillsborough County. The modification is to revise the number of lime and carbon silos and describe the control equipment for those silos and the ash and scalper buildings.

The Public Notice requirements have been met on May 2, 2000 by publishing in The Tampa Tribune.

I recommend your approval and signature.

Day 90 is July 31, 2000.

Attachments

/jk