

# Department of Environmental Protection

Jeb Bush  
Governor

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

David B. Struhs  
Secretary

April 10, 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

Dear Ms. McCann:

Enclosed is one copy of the draft PSD permit modification for the McKay Bay Refuse-to-Energy Facility located at 107 North 34th Street, Tampa, Hillsborough County. The Technical Evaluation and Preliminary Determination, the Department's Intent to Issue PSD Permit Modification and the Public Notice of Intent to Issue PSD Permit Modification are also included.

The Public Notice of Intent to Issue PSD Permit Modification must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit modification.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Administrator, New Source Review Section at the above letterhead address. If you have any other questions, please contact Joseph Kahn, P.E., at 850/921-9519 or Mr. Linero at 850/488-0114.

Sincerely,

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

CHF/jk

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an  
Application for PSD permit modification 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

### INTENT TO ISSUE PSD PERMIT MODIFICATION

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD permit modification (copy of draft PSD permit modification attached) for the proposed project, detailed in the application specified above and the enclosed Technical Evaluation and Preliminary Determination, for the reasons stated below.

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 permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that a PSD permit modification is required to make these changes.

The Department intends to issue this PSD permit modification based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue PSD Permit Modification. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit modification pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit modification with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for public meetings concerning the proposed PSD permit modification issuance action for a period of 30 (thirty) days from the date of publication of Public Notice of Intent to Issue PSD Permit Modification. Written comments and requests for public meetings should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit modification and require, if applicable, another Public Notice.

The Department will issue the PSD permit modification with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that 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 such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes

of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.



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

**CERTIFICATE OF SERVICE**

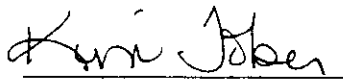
The undersigned duly designated deputy agency clerk hereby certifies that this Intent to Issue PSD Permit Modification (including the Public Notice of Intent to Issue PSD Permit Modification, Technical Evaluation and Preliminary Determination, and the draft PSD permit modification) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 4-18-00 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)

4-18-00  
(Date)

Z 031 391 950

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to: <i>Nancy McCann</i>	
Street & Number: <i>City of Tampa</i>	
Post Office, State, & ZIP Code: <i>Tampa FL</i>	
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: <i>0570127-003-AC 4-18-00</i> <i>PSD-FI-086A</i>	

PS Form 3800, April 1995

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- 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:  
*Nancy McCann, UEC*  
*City of Tampa*  
*300 E Jackson St. 5th*  
*Tampa, FL 33602*

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly)	B. Date of Delivery
C. Signature <i>X [Signature]</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	

3. Service Type

<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Copy from service label)

*Z 031 391 950*

**PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT MODIFICATION**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 0570127-003-AC, PSD-FL-086B

City of Tampa  
McKay Bay Refuse-to-Energy Facility  
Hillsborough County

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD permit modification to the City of Tampa 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 applicant's mailing address is: 306 East Jackson Street, 5N, Tampa, Florida 33602. A revised Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD).

Total emissions of pollutants will not increase as a result of this project. An air quality impact analysis was not required for this project. This project is not subject to review under Section 403.506 F.S. (Power Plant Siting Act), because it provides for no expansion in steam generating capacity.

The Department will issue the final PSD permit modification with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for public meetings concerning the proposed PSD permit modification issuance action for a period of 30 (thirty) days from the date of publication of this Public Notice of Intent to Issue PSD Permit modification. Written comments and requests for public meetings should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed PSD permit modification and require, if applicable, another Public Notice.

The Department will issue the PSD permit modification with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

**NOTICE TO BE PUBLISHED IN THE NEWSPAPER**

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that 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 such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file 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:

Dept. of Environmental Protection	Air Management Division	Dept. of Environmental Protection
Bureau of Air Regulation	Hillsborough County	Southwest District
Suite 4, 111 S. Magnolia Drive	Environmental	3804 Coconut Palm Drive
Tallahassee, Florida, 32301	Protection Commission	Tampa, Florida 33619-8218
Telephone: 850/488-0114	1410 North 21 Street	Telephone: 813/744-6100
Fax: 850/922-6979	Tampa, Florida 33605	Fax: 813/744-6084
	Telephone: 813/272-5530	
	Fax: 813/272-5605	

The complete project file includes the application, technical evaluations, draft PSD permit modification, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Source Review Section, or the Department's reviewing engineer for this project, Joseph Kahn, P.E., at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION

City of Tampa  
McKay Bay Refuse-to-Energy Facility  
Hillsborough County

DEP File No. 0570127-003-AC  
PSD-FL-086B

Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation

April 10, 2000



# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 1. GENERAL INFORMATION

### 1.1 APPLICANT NAME AND ADDRESS

City of Tampa  
306 East Jackson Street, 5N  
Tampa, Florida 33602

Authorized Representative: Nancy McCann, Urban Environmental Coordinator

### 1.2 REVIEWING AND PROCESS SCHEDULE

March 29, 2000      Received permit application and fee  
March 29, 2000      Application complete

## 2. FACILITY INFORMATION

The facility is located at 107 North 34th Street, Tampa, Hillsborough County. The UTM coordinates of this facility are Zone 17 ; 360.0 km E ; 3091.9 km N. SIC codes are:

Industry Group No.	49	Electric, Gas and Sanitary Services
Industry No.	4953	Refuse Systems

The facility is a waste-to-energy installation employing mass burning of solid waste, heat recovery as superheated steam, and power generation in a steam electric cycle. The permittee is currently upgrading the existing four mass-burn combustion units to achieve greater combustion control and improve combustion efficiency, as well as replace air pollution control equipment, to comply with the emission limits and monitoring requirements of the Federal emission guidelines for large municipal waste combustors, 40 CFR 60 Subpart Cb.

This facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant, such as particulate matter (PM/PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), nitrogen oxides (NOx), carbon monoxide (CO), or volatile organic compounds (VOC) exceeds 100 tons per year (TPY).

This facility is within an industry included in the list of the 28 Major Facility Categories per Table 62-212.400-1, F.A.C. Because emissions are greater than 100 TPY for at least one criteria pollutant, the facility is also a Major Facility with respect to Rule 62-212.400, Prevention of Significant Deterioration (PSD). Accordingly, the facility was issued a PSD permit, PSD-FL-086, including a determination of Best Available Control Technology (BACT), by the United States Environmental Protection Agency (EPA) on July 2, 1982. A PSD permit modification, PSD-FL-086A, was issued by the Department on April 1, 1998 to allow the permittee to upgrade the existing four mass-burn combustion units and replace air pollution control equipment, as described above.

This facility is a major source of hazardous air pollutants (HAPs).

## 3. PROJECT DESCRIPTION

The applicant proposes to revise the number of lime and carbon silos and describe the control equipment for those silos and the ash and scalper buildings.

This project addresses emissions units 100, the ash handling system; 101, the lime silos; and 102 the carbon silos.

# **TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION**

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## **4. PROJECT EMISSIONS & RULE APPLICABILITY**

There are no emission changes associated with this project. This change constitutes a minor modification of PSD permit number PSD-FL-086A. Therefore the modification is not subject to review under Rule 62-212.400., F.A.C., Prevention of Significant Deterioration (PSD), so neither a revised Best Available Control Technology (BACT) determination nor an analysis of the air quality impact is required. However, because this project requires a modification of a PSD permit, the public notice requirements for PSD permits are applicable.

The proposed project is otherwise subject to preconstruction review requirements under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-204, 62-210, 62-212, 62-214, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). Allowable excess emissions will not change as a result of this project.

The facility is located in an area (Hillsborough County) designated "unclassifiable" for SO<sub>2</sub>, "maintenance" for Ozone (O<sub>3</sub>), PM, and lead (Pb), and "attainment" for all the other criteria pollutants (Rule 62-204.360, F.A.C.). One of the requirements under the maintenance plan for the area is implementation of Reasonable Available Control Technology (RACT) pursuant to Rule 62-296.711, F.A.C. The Department previously found that the requirements of permit number PSD-FL-086A constitute RACT for particulate matter, pursuant to Rule 62-296.711(2)(c), F.A.C. This project will not change these requirements.

The emission units affected by this permit shall comply with all applicable provisions of the Florida Administrative Code (including applicable portions of the Code of Federal Regulations incorporated therein).

## **5. AIR POLLUTION CONTROL TECHNIQUES**

The applicant proposes to construct two lime silos and two carbon silos, instead of one each, and will control emissions from both lime silos with one filter vent, and from each carbon silo with a filter vent on each silo. The applicant also proposes to add a scrubber to control emissions from each of the building vents for the ash and scalper buildings. No emission limits or compliance requirements will change as a result of this project.

## **6. CONCLUSION**

Based on the foregoing technical evaluation of the application and additional information submitted by the applicant and other available information, the Department has made a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations. The Department will issue a draft PSD permit modification to the applicant that provides for the above changes.

Joseph Kahn, P.E.  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
850/921-9519

DRAFT

DRAFT

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:

- 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.
- 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.
- 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

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.

**DRAFT**

\_\_\_\_\_  
Howard L. Rhodes, Director  
Division of Air Resources  
Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this permit modification was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on \_\_\_\_\_ 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)

\_\_\_\_\_  
(Date)

Florida Department of  
Environmental Protection

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Memorandum

TO: Clair Fancy

THRU: Al Linero *all 4/10*

FROM: Joe Kahn *JK*

DATE: April 10, 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 intent to issue a 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.

I recommend your approval and signature.

April 10th is day 13 of the 90 day timeclock.

Attachments

/jk