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PCRRF AIR POLLUTION CONTROL RETROFIT PROJECT  
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BUREAU OF AIR REGULATION

October 13, 1999


Winston Smith  
Director, Division of Air, Pesticides and Toxics Management  
United States Environmental Protection Agency  
61 Forsyth Street SW  
Atlanta, Georgia 30303

**RE: Pinellas County Resource Recovery Facility**

Dear Mr. Smith:

Enclosed for your information is a Quarterly Report on project progress. Should you desire any additional information, please contact me at your convenience.

Sincerely,



Russell Menke  
Project Administrator

Enclosure

CC:

Brian Beals, USEPA  
Scott Davis, USEPA  
Fred Porter, USEPA  
Walt Stevenson, USEPA  
Clair Fancy, FDEP  
Andrew Nguyen, FDEP  
Bill Thomas, FDEP  
Pick Talley, Utilities Admin.  
Chris Staubus, Utilities Admin.

Warren Smith, Solid Waste Operations  
Pete Stasis, Utilities Engineering  
Julie Yard, Senior Assistant County Attorney  
David Dee, Landers & Parsons  
Ron Larson, HDR Engineering  
Stu Broom, Verner, Liipfert et al  
Luke Koon, Wheelabrator Pinellas Inc.  
Pete Bender, Stone & Webster

cc: Ingrid Arif, BAR

**Pinellas County Resource Recovery Facility  
Air Pollution Control Retrofit Project**

**Quarterly Report on Project Progress for the Third Quarter, 1999  
Submitted October 13, 1999**

**Overview**

This Quarterly Report for the retrofit of the Pinellas County Resource Recovery Facility covers the County's activities during the third calendar quarter of 1999 on the retrofit project. In general, the County' overall progress with the retrofit activities have been in accordance with the schedule. The retrofit of Unit #2 has been substantially completed and acceptance tested, and the retrofit of Unit #1 is underway. Detailed descriptions of the efforts completed, underway and scheduled for the next quarter are presented in the following paragraphs.

**Actions Taken During Reporting Period**

Cleaning of Boilers - Historically, water washing of boilers had been done on approximately a ten week schedule. From August of 1995 until recently, these washes have been done on approximately an eight week schedule. The facility operator has recently changed the method of cleaning the boilers by using a dry, concussive boiler cleaning method in lieu of water washing. This cleaning is being done on approximately an eight week schedule.

Stack Testing of Dioxin Emissions - Dioxin testing has been performed on an annual basis for the past few years in conjunction with annual compliance tests. In addition, dioxin testing is being performed as part of the acceptance testing for each of the retrofitted units. Acceptance testing for the newly-retrofitted Unit #2, which resumed operation on July 19, 1999 was completed on September 18, 1999 and the final test results will be submitted as soon as they are available. As part of its annual compliance test, dioxin testing was also performed on Unit #3 during September, and these test results will be submitted as soon as they are available.

Design of the Retrofit - Design work on the retrofit had previously been substantially completed. During the reporting period, design activities were limited to completion of "punch list" items, and design modifications to accommodate field conditions and interferences.

Procurement of Equipment and Construction Contracts - During the reporting period, no new purchase orders were issued, and only minor adjustments were made to existing purchase orders. Only two substantial additional purchase orders are currently planned during the remainder of the retrofit: Roadways and Site Preparation. Purchase order commitments for balance of plant materials, equipment and services total approximately \$22.7 million.

On-Site Construction of the Retrofit - Phase II (Unit #2)- During the reporting period, the construction of Unit #2 was substantially completed and acceptance testing was performed. Remaining efforts on this phase include receipt of the final test results, and completion of punch list items. The following specific activities were completed on Unit #2:

Installation of economizer tie-in ductwork  
Installation of auxiliary burners  
Completion of insulation and lagging of economizer tie-in ductwork  
Completion of tie-in  
Startup, Checkout and Acceptance Testing of Unit #2

On-Site Construction of the Retrofit - Phase III (Unit #1) - During the reporting period, construction of the new air pollution control train for Unit #1 continued. The following specific construction activities were completed on the air pollution control train for Unit #1:

#### *Demolition*

Demolition of old Unit #2 ESP, ID fan and ductwork completed.

#### *Piling*

All Phase III piling installed, including SDA, fabric filter, ductwork supports, ID fan and windwall.

#### *Foundations*

Contractor mobilized, pile caps installed for SDA, fabric filter and windwall.

#### **Actions Scheduled During the Reporting Period, But Not Completed**

During the reporting period, all major activities that had been scheduled to be completed have been completed.

#### **Actions Scheduled During the Next Reporting Period**

During the next reporting period, efforts will be concentrated on completion of punch list items for the new APC equipment for Unit #2, and continuation of construction of the retrofit of Unit #1. Monthly meetings are being held to monitor progress and resolve design issues. Weekly on-site construction meetings are being held with contractors to monitor and coordinate activities.

The following activities related to Phase III (Unit #1) are expected to be completed during the next reporting period:

Installation of ID fan and outlet duct support pilecaps  
Completion of Unit #1 underground grounding  
Completion of foundations and footings for Unit #1  
Erection of SDA support steel and SDA vessel  
Erection of inlet duct riser and support steel  
Erection and weldout of crossover duct

The following activities related to Phase III (Unit #1) are expected to be initiated during the next reporting period:

SDA and fabric filter floor slabs and u-drains  
Insulation and lagging of inlet riser duct and SDA vessel  
Ground insulation of fabric filter to ID fan ductwork  
Fabrication of SDA piping  
Erection of fabric filter support steel

#### **Site Progress Photograph**

Because the construction during the reporting period consisted primarily of demolition, dewatering, piling and foundation work, no site progress photograph is being included with this progress report.

Respectfully Submitted,



Russell Menke  
Retrofit Project Administrator