

PCRRF AIR POLLUTION CONTROL RETROFIT PROJECT

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July 14, 2000

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 the Final 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 Scales, Senior Assistant County Attorney
David Dee, Landers & Parsons
Ron Larson, HDR Engineering
Stu Broom, Verner, Liipfert et al
Luke Koon, Wheelabrator Pinellas Inc.
Dave Patel, Stone & Webster

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

**Final Quarterly Report on Project Progress for the Second Quarter, 2000
Submitted July 14, 2000**

Overview

This Quarterly Report for the retrofit of the Pinellas County Resource Recovery Facility covers the County's activities during the second calendar quarter of 2000 on the retrofit project. The retrofit of the final unit (Unit #1) was completed, and the unit restarted, on May 5. Field compliance testing for Unit #1 was completed on June 1. In general, the County' overall progress with the retrofit activities has been in accordance with the schedule. Detailed descriptions of the efforts completed, underway and scheduled for the next quarter are presented in the following paragraphs. Because all three units are now operating in accordance with applicable environmental standards, and the remaining work consists only of sitework, paving, landscaping and completion of wind walls, this will be the last progress report issued for this project.

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 mid-1999, these washes have been done on approximately an eight-week schedule. During 1999 the facility operator changed the method of cleaning the boilers to 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 several 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. Field dioxin testing was completed in May for all three units, and the 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, one new purchase order was issued, and minor adjustments were made to existing purchase orders. Only two substantial additional purchase orders are currently planned during the remainder of the retrofit: Sitework and Roadways, and Landscaping. Purchase order commitments for balance of plant materials, equipment and services total approximately \$23.2 million

On-Site Construction of the Retrofit - During the reporting period, construction of the new air pollution control train for Unit #1 was substantially completed, and the unit was restarted. Work was initiated on Phase IV, the final phase of the project, which involves demolition of the Unit #1 electrostatic precipitator, ID fan and stack, completion of the windwall around the new APC equipment, sitework and roadways, and landscaping. The following specific construction activities were completed during the reporting period:

Demolition

The demolition contractor mobilized, and all remaining demolition work was completed, including the Unit #1 electrostatic precipitator, the old ID fan and the old stack.

Piling

The piling contractor was mobilized, and installed the Phase IV piling for the remaining portions of the windwall.

Foundations

Phase IV foundation work was begun, and 5 pile caps were completed for the windwall.

Structural/Mechanical Erection

Phase III equipment installation was completed, including the tie-in of the new APC equipment and installation of the auxiliary burners on Unit #1.

Piping

All Phase III piping was completed.

Electrical

All Phase III electrical work was completed, including installation of the communication system.

Insulation and lagging

All Phase III insulation and lagging was completed, and the contractor demobilized. The contractor will return during Phase IV to complete the 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 Unit #1, and completion of Phase IV. Phase IV work remaining consists of completion of the windwall around the new air pollution control equipment, site grading and roadways, and landscaping. 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 specific activities are expected to be completed during the next calendar quarter:

- Completion of pile caps and piers for the remaining windwall
- Erection of structural steel for the remaining windwall
- Installation of metal skin on the remaining windwall, and installation of doors
- Site grading
- Paving of remaining site roadways
- Landscaping

Site Progress Photograph

Attached is a site progress photo taken on June 20, 2000 looking toward the north. The three new air pollution control trains can be seen to the center and right side of the photo; the existing boilers are to the left. In the foreground, in the area where the old electrostatic precipitator for unit #1 was removed, can be seen the formwork for the piers for the windwall which will screen the equipment from the south.

Respectfully Submitted,



Russell Menke
Retrofit Project Administrator

Attachment: Site Photo taken June 20, 2000

AGENDA
PINELLAS COUNTY RESOURCE RECOVERY FACILITY

July 7, 2000

- I) Introduction of Project Team
- II) Description of Proposed Project
- III) Regulatory Programs
 - A) Prevention of Significant Deterioration (PSD)
 - 1) WEPCO
 - a) Like-kind replacement
 - b) Current Actual Emissions to Representative Future Actuals
 - B) New Source performance Standards (NSPS)
 - 1) Percentage Cost for Original Facility Updated to Current Dollars
 - C) Operating Permits (Title V)
 - 1) Update Permit as Completed
 - D) Power Plant Siting Act (PPSA)
 - 1) Informational Submittal
 - E) Florida Statutes Re: New and Modified MWC Facilities (Section 403.7061, Florida Statutes)
 - 1) No Increase in Capacity

