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Cc: [Meredith, William W](#); [Allois, Stephanie](#); [Ganguli, Asok \(PWWM\)](#); [Uchdorf, Wieland \(PWWM\)](#); [Gonzalez, Amado \(PWWM\)](#)
Subject: Miami-Dade County Resources Recovery Facility (PA77-08) - Postcertification minor Amendment - Post Combustion Magnet Changes
Date: Tuesday, June 16, 2015 11:15:50 AM
Attachments: [PPSA Postcertification Amendment - RRF Site Plan - Attachment 3 - June 2015.pdf](#)
[PPSA Postcertification Amendment LAYOUT 2D 5-14-Model - Attachment 2 June 2015.pdf](#)
[Existing Drawing -Postcertification Amendment Magnets - Attachment 1- June 2015.pdf](#)
Importance: High

Dear Mr. Green,

The Miami-Dade Public Works and Waste Management Department respectfully requests a minor amendment of the Miami-Dade County Resources Recovery Facility (RRF) Power Plant Site Certification (PA 77-08E) to allow the installation of equipment to improve collection of Fe and non-Fe metals from the ash and provide additional handling equipment to facilitate this separation and potential reuse of the ash.

The RRF is a waste-to-energy plant, which is the centerpiece of the County's Solid Waste Management System. Municipal Solid Waste (MSW) is delivered to the site, shredded, and sized into a Refuse Derived Fuel (RDF). Metal fractions (Fe and non-Fe) are separated from both the incoming MSW and the ash and are recycled. These processes are significant components of the County's overall recycling effort and complement the County's single-stream, curbside collection of recyclable materials. The proposed changes requested here are for the separation system associated with post combustion metals separation process. The entire project will be located on the existing imperious surface within the current metals recovery area.

The requested changes consist of:

- Installation of a ferritic dirt magnet (DSRP)
- Installation of air sensor sorter to the existing metals recovery system
- Relocation of the existing ECS (Eddy Current Sorter)
- Replacement of existing drum magnet with a "rare earth" magnet for increased Fe recovery
- Addition of a diverter chute to allow option to direct load bottom ash for potential beneficial reuse
- Addition of conveyors and feeders, including support and access platforms, to transfer the bottom ash to and from each of these pieces of equipment
- Extension of the existing metal recovery building to allow space for the new equipment to be housed indoors and related site work

Attached are the following Drawing for review:

- Existing Arrangements – Attachment 1
- New Arrangements – Attachment 2
- Site Plan – Attachment 3

The proposed changes do not adversely affect the environment; do not increase traffic to and from the site; improve and increase the County's recycling; and do not or increase the electric power generation at the site. The footprint of the power plant site will not be expanded by the proposed work.

Please do not hesitate to contact me if you need additional information or clarifications related to this request.

Lee S. Casey, CSM

Sr. Division Director

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