FINAL DETERMINATION

PERMITTEE

Hillsborough County
Solid Waste Management Group
601 E. Kennedy Boulevard
Tampa, Florida 33602

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Final Permit Nos. 0570261-012-AV & 0570261-013-AC/PSD-FL-369C
Hillsborough County Resource Recovery Facility

The purpose of this project is to revise the Title V air operation permit for the above referenced facility and to incorporate minor revisions from Permit No. 0570261-013-AC, issued concurrently with this permit.

The Title V air operation permit was processed using a parallel review.

PUBLIC NOTICE

A Written Notice of Intent to Issue Air Permits to Hillsborough County for the Hillsborough County Resource Recovery Facility located in Hillsborough County at 350 North Falkenburg Road, in Tampa, Florida, was clerked on November 15, 2011. The Public Notice of Intent to Issue Air Permits was published in the Tampa Tribune on November 23, 2011. The draft/proposed Title V air operation permit and the draft AC/PSD permit revision were available for public inspection at the permitting authority's office in Tallahassee. Proof of publication of the Public Notice of Intent to Issue Air Permits was received on November 29, 2011.

COMMENTS

On November 15, 2011, the Department informed US EPA Region 4 that the Title V air operation permit was being processed using a parallel review. US EPA Region 4 was notified of the publication date of the Public Notice on November 29, 2011.

No comments on the permits were received from the public or the Applicant during the 30-day public comment period.

Department Initiated Corrections

The Department made corrections in the final AC/PSD permit and reflected the same in the Title V air operation permit. Additions to the permit are indicated below by double underline. Deletions from the permit are indicated below by ~~strike through~~. All changes are emphasized with light blue highlight in the electronic document.

1. AC/PSD Permit No. 0570261-013-AC/PSD-FL-369C - Specific Condition Nos. 3.B.19. and 26. Inadvertently, the time period for the required initial two years of quarterly stack testing had been altered to three years. The revision to these specific conditions was to extend the timeframe in which to install and certify a Hg-CEMS or a Hg-CASS only, not to extend the initial two years of quarterly stack testing requirement.

Specific Condition Nos. **3.B.19.** and **26.** are corrected to read as follows:

"19. Mercury (Hg): Emissions of Hg shall not exceed 28 µg/dscm or an emissions reduction of 85 percent shall be achieved as demonstrated during the required annual stack test. During the first ~~three~~two years of operation, emissions of Hg shall not exceed 0.022 lb/hr as measured during quarterly stack tests to provide reasonable assurance that 12-month emissions are less than the applicable PSD threshold of 200 lb/yr.

After the certification of the Hg-CEMS or the Hg-CASS as described in **Specific Condition 35.,** the owner or operator may demonstrate compliance with all Hg limits in this permit with data collected during an annual stack test or from the Hg-CEMS or the Hg-CASS.

{Permitting Note: If the Hg-CEMS is certified prior to the end of the first ~~three~~two years of operation, the permittee may use the CEMS in lieu of the remaining quarterly tests.}"

"26. Subsequent Compliance Testing: Annual compliance stack tests for NO_X, CO, SO_2, HCl, PM/PM_{10}, lead, cadmium, dioxins/furans, and ammonia shall be conducted during each federal fiscal year (October 1st to September 30th). Data collected from the reference method during the required RATA tests for CO, NO_X, and SO_2 may be used to satisfy the annual testing requirement provided the notification requirements and emission testing requirements for performance and compliance tests of this permit are satisfied.

Prior to the certification of the Hg-CEMS or the Hg-CASS as described in **Specific Condition 35.**, performance tests for Hg emissions shall be conducted quarterly during the first ~~three~~two years of operation then on a calendar year basis to demonstrate compliance with the concentration/reduction standards.

After the certification of the Hg-CEMS or the Hg-CASS as described in **Specific Condition 35.,** the owner or operator may demonstrate compliance with all Hg limits in this permit with data collected from the Hg-CEMS or the Hg-CASS.

[Rules 62-297.310(7)(a) and (b), and 62-296.416, F.A.C., and 40 CFR 60.8 and 60.58b]"

2. Title V Air Operation Permit No. 0570261-012-AV - Specific Condition Nos. III.G.14. and 28. The same corrections made in the AC/PSD permit are reflected in the Title V air operation permit.

Specific Condition Nos. **III.G.14. and 28.** are corrected to read as follows:

"**G.14.** Mercury (Hg). Emissions of Hg shall not exceed 28 µg/dscm or an emissions reduction of 85 percent shall be achieved as demonstrated during the required annual stack test. During the first ~~three~~two years of operation, emissions of Hg shall not exceed 0.022 lb/hr as measured during quarterly stack tests to provide reasonable assurance that 12-month emissions are less than the applicable PSD threshold of 200 lb/yr.

After the certification of the Hg-CEMS or the Hg-CASS as described in Specific Condition **G.26.,** the owner or operator may demonstrate compliance with all Hg limits in this permit with data collected during an annual stack test or from the Hg-CEMS or the Hg-CASS.

{Permitting Note: If the Hg-CEMS is certified prior to the end of the first ~~three~~two years of operation, the permittee may use the CEMS in lieu of the remaining quarterly tests.}

[Permit No. 0570261-013-AC/PSD-FL-369C, specific condition 3.B.19. and Rule 62-212.400(12) (Source Obligation, escape PSD BACT), F.A.C.]"

"**G.28.** Compliance Testing. Annual compliance stack tests for NOx, CO, SO_2, HCl, PM/PM_{10}, lead, cadmium, dioxins/furans, and ammonia slip shall be conducted during each federal fiscal year (October 1st to September 30th). Data collected from the reference method during the required RATA tests for CO, NO_X, and SO_2 may be used to satisfy the annual testing requirement provided the notification requirements and emission testing requirements for performance and compliance tests of this permit are satisfied.

Prior to the certification of the Hg-CEMS or the Hg-CASS as described in Specific Condition **G.26**., performance tests for Hg emissions shall be conducted quarterly during the first ~~three~~two years of operation then on a calendar year basis to demonstrate compliance with the concentration/reduction standards.

After the certification of the Hg-CEMS or the Hg-CASS as described in Specific Condition **G.26.,** the owner or operator may demonstrate compliance with all Hg limits in this permit with data collected from the Hg-CEMS or the Hg-CASS.

[Rules 62-297.310(7)(a) and (b), and 62-296.416, F.A.C., and 40 CFR 60.8 and 60.58b; and, [Permit No. 0570261-013-AC/PSD-FL-369C, specific condition 3.B.26.]"

CONCLUSION

The final action of the Department is to issue the final Title V air operation permit revision and the final AC/PSD permit revision with the administrative corrections and/or clarifications as noted above.