FINAL DETERMINATION

PERMITTEE

Mr. Rafael A. Terrero,
Assistant Director – Water System Operations

Miami-Dade Water and Sewer Department
P.O. Box 330316
Miami, Florida 33233-0316

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406

PROJECT

Title V Air Operation Permit Revision/Renewal
Permit No. 0250600-008-AV
North District Wastewater Treatment Plant

The purpose of this permitting project is for the revision/renewal of the existing Title V air operation permit for the above referenced facility to renew the permit and to revise it to include conditions from new regulations covering the plant's Reciprocating Internal Combustion Engines (RICE).

NOTICE AND PUBLICATION

The Department distributed an Intent to Issue Air Permit package on November 12, 2014. The applicant published the Public Notice of Intent to Issue Air Permit in the Miami Daily Business Review on January 16, 2015. The Department received the proof of publication on January 27, 2015. The draft/proposed permit was also issued for EPA review on November 12, 2014.

COMMENTS

Minor comments were received from the applicant and no comments were received from the EPA Region 4 office. The revisions are as described below:

1. Comments were received from the facility concerned meeting the schedule found in the Compliance Plan found in the Draft/Proposed permit (see Appendix CP). The Compliance Plan schedule was changed to add 145 days to the completion dates.
2. The mailing address of EPA for submitting the Annual Statement of Compliance was added to Condition FW8.
3. The mailing address and internet address link for the EPA National Response Center provided in the Draft/Proposed Permit (Condition FW9) for submitting Risk Management Plans was updated to reflect EPA's new addresses.
4. Corrections were made to the description of EU009 and Condition B.2. in Subsection B of the permit as indicated below ~~strikethrough~~ is used to denote the deletion of text double-underlines are used to denote the addition of text. All changes are emphasized with shading:

E.U. ID No.	Engine Brake HP	Date of Construction	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Manufacturer / Model #
009	37.7	1-1-1979	Ultra Low Diesel No. 2	Non-Emergency*	≤10.~~57~~	Hatz~~EMD~~ 2M40LZ~~20-645-E4B~~

{Permitting Note: This emissions unit, compression ignition (CI) engine, is regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE adopted in Rule 62.204.800(11)(b), F.A.C. This RICE is regulated as~~for black start engine used only to start a combustion turbine pursuant to 40 CFR 63.6675. This permit section addresses~~ an "existing non-emergency engine" ~~stationary CI RICE~~less than or equal to 300~~500~~ HP that is located at an Area source of HAPs ~~and~~ that has not been modified or reconstructed after 6/12/2006. If the RICE is modified or reconstructed after 7/11/2005, the NSPS 40 CFR 60, Subpart IIII, will then apply.}

Essential Potential to Emit (PTE) Parameters

B.1. Engine Startup. During periods of startup the owner or operator must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for the appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6625(h)]

Emission Limitations and Operating Requirements

B.2. Work or Management Practice Standards.

a. *Oil*. Change oil and filter every 1000~~500~~ hours of operation or annually, whichever comes first. [40 CFR 63.6603(a) & Table 2d1~~2d4~~.a.]

b. *Air Cleaner*. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first. [40 CFR 63.6603(a) & Table 2d1~~2d4~~.b.]

c. *Hoses and Belts*. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63.6603(a) & Table 2d1~~2d4~~.c.]

CONCLUSION

The final action of the Department is to issue the permit with the minor changes listed above.