

STATEMENT OF BASIS

Title V Air Operation Permit Renewal
DRAFT/PROPOSED Permit No. 0990549-010-AV

APPLICANT

The applicant for this project is South Florida Water Management District. The applicant's responsible official and mailing address are: Joel Arrieta, Director of Field Operations, Operations and Maintenance Resources, South Florida Water Management District, 3301 Gunn Club Road, West Palm Beach, Florida 33406.

FACILITY DESCRIPTION

The applicant operates the existing Pump Station G-310, which is located at the extreme southwest corner of the Storm Water Treatment Area No.1 West (STA-1W), approximately 1300 feet north and 400 feet east of the southwest corner of Section 34, Township 44 South, and Range 39 East in Palm Beach County, Florida. The facility is located at UTM Coordinates: Zone 17; 555.13 km E; 2941.96 km N; Latitude: 26° 35' 50" North and Longitude: 80° 26' 47" West.

The existing facility consists of two Fairbanks-Morse 1,535-BHP (brake horse power) water pumps, two Fairbanks-Morse 751-BHP water pumps, two Cummins 900-BHP emergency power generators, four 12,848-gallons above ground storage tanks (ASTs), and three aboveground storage tanks (ASTs) less than 40 cubic meters in capacity and miscellaneous insignificant activities. It is classified as a synthetic-minor source under the Prevention of Significant Deterioration (PSD) program and a natural minor source under the Hazardous Air Pollutant program. Potential emissions of criteria pollutants from the source are limited below the 250 ton per year -- major source threshold of the PSD program -- by a federally enforceable construction permit (0990549-001-AC

REGULATED EMISSIONS UNIT IDENTIFICATION NUMBERS AND DESCRIPTIONS

001	Inactive	Two Fairbanks-Morse 1535-hp water pumps, two Fairbanks-Morse 751-hp water pumps, two Cummins 900-hp emergency power generators <i>See Permitting Note below</i>
004	Regulated	One 751 brake horse-power (BHP) six cylinder Fairbanks Morse Model 38D8-1/8 diesel engine/water pump combination (Serial Number 38D8970073DS6RM) Engine installed ~1999.
005	Regulated	One 1,535 brake horse-power (BHP) ten cylinder Fairbanks Morse Model 38D8-1/8 diesel engine/water pump combination (Serial Number 38D8969177DS10RM) Engine installed ~1999.
006	Regulated	One 1,535 brake horse-power (BHP) ten cylinder Fairbanks Morse Model 38D8-1/8 diesel engine/water pump combination (Serial Number 38D8969176DS10RM) Engine installed ~1999.
007	Regulated	One 751 brake horse-power (BHP) six cylinder Fairbanks Morse Model 38D8-1/8 diesel engine/water pump combination (Serial Number 38D8970031DS6RM) Engine installed ~1999.
008	Regulated	Two Cummins 900-hp emergency power generators (Serial numbers H990959808 & H990959810) Generators installed ~1999.
002	Exempt/Insignificant	Distillate fuel oil tanks: Four 12,848 gallon above ground storage tanks (ASTs). Three above ground storage day tanks (ASTs) less than 40 cubic meters in capacity.

APPLICABLE REGULATIONS

Based on the Title V air operation permit renewal application received on April 1, 2016, this facility is not a major source of hazardous air pollutants (HAP). The existing facility is a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table:

Regulation	EU No(s).
<i>Federal Rule Citations</i>	
40 CFR 63 - Subpart ZZZZ, RICE NESHAPS	EU004,EU005, UE006, EU007 & EU008
40 CFR 52.21 - Prevention of significant deterioration of air quality	EU004,EU005, UE006, EU007 & EU008
40 CFR 52.27 - Protection of visibility from sources in attainment areas.	EU004,EU005, UE006, EU007 & EU008
<i>State Rule Citations</i>	
62-4 - Permits	EU004, EU005, EU006, EU007 & EU008

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Regulation	EU No(s).
62-204 - Air Pollution Control - General Provisions	EU004, EU005, EU006, EU007 & EU008
62-210 - Stationary Sources - General Requirements	EU004, EU005, EU006, EU007 & EU008
62-213 - The facility is a Title V major source of air pollution	EU004, EU005, EU006, EU007 & EU008
62-212 - Stationary Sources - Preconstruction Review Title V major source of air pollution (PSD)	EU004, EU005, EU006, EU007 & EU008
62-256 - Open Burning	FACILITY WIDE
62-257 - Asbestos Program	FACILITY WIDE
62-296 - Stationary Sources - Emission Standards	EU004, EU005, EU006, EU007 & EU008
62-297 - Stationary Sources - Emissions Monitoring	EU004, EU005, EU006, EU007 & EU008

This facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

The equipment and activities listed below are exempt pursuant to Rules 62-213.430(6), and 62-4.040(1)(b), F.A.C. and are considered to emit insignificant amounts of air pollution.

<u>EU ID No.</u>	<u>Status</u>	<u>Description</u>	
002	Insignificant	Distillate fuel oil tanks: Four 12,848 gallon above ground storage tanks (ASTs). Three above ground storage day tanks (ASTs) less than 40 cubic meters in capacity.	
<u>Description</u>			<u>Category</u>
Internal Combustion Engines – Vehicles			A
Steam Cleaning Equipment			F
Belt & Drum Sanders			F
Brazing, Soldering or Welding Equipment			F
Emergency Generators			P
Surface Coating Operations			F
Degreasing Units (non-HAP Solvents)			F
Petroleum Lubrication Systems			F
Fire & Safety Equipment			P
Fungicide, Herbicide, & Pesticide Applications			F
Asbestos Renovation & Demolition Activities			F
Non-Halogenated Solvent Storage & Cleaning			F
Vehicle Refueling Operations and Associated Fuel Storage			P
Abrasive Blasting Activities			F
Non-Halogenated Solvent Storage & Cleaning			F
Distillate Oil Storage & Handling			F
Distillate Oil Piping System			F
Lawn & Ground Maintenance			F
Paved & Unpaved Roads			F

Notes: **Category:** P- Point, F- Fugitive, and A- Area

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities

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shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V Permit 0990549-009-AV for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Permit History

04-01-16: Health Department received application for Project (0990549-010-AV).

05-31-16: Health Department deemed application complete.

PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 9511

Air and Water Resource and Solid Waste Management

North American Industry Classification System (NAICS): 924110

Administration of Air and Water Resource and Solid Waste Management Programs

HAP: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63 Subpart ZZZZ.

PROJECT REVIEW

Updated Appendix TV to the Version dated 12/6/2012 as part of this renewal. Reformatted and updated Appendix H (Permit History). There are no changes to the DRAFT/PROPOSED permit from Permit No. 0990549-009-AV which was effective on 12/09/2011.

CONCLUSION

This project renews Title V Air Operation Permit No. 0990549-009-AV, which was effective on 12/09/2011. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, and 62-213, F.A.C.