



City of Miami

MIAMI RIVER BASIN WATER QUALITY IMPROVEMENT REPORT FOR FOURTH QUARTER 2010

Action Items

1. Storm water*

j. Citywide Inlet and Outfall Cleaning*

Status: The Public Works crews continue cleaning citywide inlets and outfalls.

k. Inlet Retrofit for the Wagner Creek Basin*

Status: No inlet retrofits took place during the third or fourth quarters of 2010.

l. Scavenger 2000 De-Pollution Boat*

Status: This project consists of the cleaning, oxygenation, and decontamination of the Miami River, Seybold Canal, and other waterways. The Seybold Canal work is not included in the five hours per week performed on the Miami River at no charge to the City, but rather is invoiced separately.



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- m. Collect, compile, analyze and report of solid waste data from catch basins*

Status: The solid waste data shown below was compiled based on invoices that were available at the time of the report.

Date	Tons
7/6/2010	15.98
7/16/2010	19.05
7/27/2010	14.82
7/29/2010	12.66
July Total	62.51
8/4/2010	21.21
8/14/2010	20.06
8/23/2010	15.48
August Total	56.75
9/3/2010	20.72
9/15/2010	17.55
9/22/2010	15.04
9/28/2010	17.12
September Total	70.43
10/7/2010	16.80
10/13/2010	16.39
10/23/2010	16.36
10/29/2010	15.14
October Total	64.69
11/5/2010	15.73
11/9/2010	14.63
11/17/2010	12.30
11/19/2010	17.27
November Total	59.93
12/10/2010	17.93
12/15/2010	17.27
12/30/2010	14.09
December Total	49.29
3rd Quarter Total	189.69
4th Quarter Total	173.91
Semi-Annual Total	363.60



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n. Report of on-site storm water treatment alternatives and BMP's*

Status:

- a. Texas Aquatic Harvesting continues citywide canal cleaning and maintenance. Inspection services for this project are performed in-house.
- b. Waterways where cleanup has taken place include Wagner Creek, Seybold Canal, Lawrence Waterway, Comfort Canal, Ademar Canal, Davis Canal, and the Antonio Maceo Park Tamiami Canal.

2. Wastewater*

a. Conduct "dye flood" study

Status: No new "dye flood" study for sanitary sewer interconnections was performed.

3. Enforcement, compliance and education*

a. Implement active inspection of sanitary sewer connections and stormwater drainage during construction*

Status: The City of Miami regularly inspects new construction of storm sewer and sanitary infrastructure as part of the on-going procedures of the permitting process. The City of Miami Building Department inspects the private side and Public Works Department line and grade inspector inspects the public side. The Miami-Dade DERM inspects storm sewer system connections.

b. Point Park Environmental Center*

Status:

- i. The Shoreline Project is completed
- ii. The Seybold project is on hold.
- iii. The Parks Department performed research on possible designs for a new structure and presented a proposed floor plan at an Spring Garden Civic Association meeting in April 2008. The SGCA



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could not come to a consensus on the building, which has deteriorated in the interim. The Parks Department indicated that if the Seybold Canal House was found to be an unsafe structure, then it would be demolished. Due to life/safety concerns, a Building Department unsafe structure inspection of the existing building was requested. On July 6, 2009, the Building Department performed an inspection and determined the Seybold Canal House to be an unsafe structure. The park is now open to the public.

- c. The City of Miami continues to present an educational slide show in order to educate contractors and residents on the importance of preventing illicit discharges to the storm sewer system and the environmental impacts of illicit discharges. The presentation is shown continuously on a computer monitor in a public area on the fourth floor of the Miami Riverside Center.
- d. The City of Miami assisted a UM student with a class project on pollution in the Miami River. The City explained the difference between storm and sanitary sewers, how storm sewers can transmit pollution to water bodies, informed the student of problems caused by illegal dumping and how to report dumping using 311.

4. Monitoring and Research*

a. Complete special studies required under NPDES*

Status: The City of Miami issued a notice to proceed to EBS Engineering dated June 29, 2009 for citywide outfall monitoring. The project is ongoing. Samples have been collected from outfalls discharging to the Miami River, Lawrence Waterway, Little River, Tamiami Canal, Biscayne Bay, Blue Lagoon, and Comfort Canal.

b. TMDL-related monitoring and research*

Status: The City of Miami collated available information related to potential sources of fecal coliform to Wagner Creek. The data



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drew on publicly available online database information, the City of Miami's storm drain network GIS data, known illicit discharge locations. The City submitted the information to FDEP as part of the Walk-the-WBID process initiated as a result of the fecal coliform TMDL for Wagner Creek.

The City of Miami participated in a Walk-the-WBID field exercise on November 18, 2010 in concert with the Florida Department of Environmental Protection (FDEP), Miami-Dade DERM, Miami-Dade County Public Works, FDOT, the Miami River Commission, and other entities.