



## City of Miami

### MIAMI RIVER BASIN WATER QUALITY IMPROVEMENT REPORT FOR FOURTH QUARTER 2009

#### **Action Items**

1. Storm water\*

j. Citywide Inlet and Outfall Cleaning\*

**Status:** The Public Works crews continue cleaning citywide inlets and outfalls. A new contract will be awarded by May 2010.

k. Inlet Retrofit for the Wagner Creek Basin\*

**Status:** No inlet retrofits took place during the third or fourth quarter of 2009.

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.

The City has exercised its third option to renew for an additional period from November 2, 2009 to August 19, 2010. Current annual allocated budget is \$176,000 through City funds.



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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
September 2009	2.89
October 2009	5.03
November 2009	4.51
December 2009	4.10
<b>Quarterly Total</b>	<b>16.53</b>

- 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.**



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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 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 and Florida DEP conducted the Florida Stormwater, Erosion, and Sedimentation Control Inspector and Illicit Discharge Detection Training at Lummus Park from November 17-19, 2009. Twenty-eight students attended the training courses. The seminars educated the attendees on what constitutes an illicit discharge, the environmental impact of illicit discharges, and how to report illicit discharges.



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- d. At the City of Miami's invitation, the Florida DEP hosted a Train-the-Trainer session for the Florida Stormwater, Erosion, and Sedimentation Control Inspector Training Course at Lummus Park on November 19, 2009. This was the first time that a Train-the-Trainer seminar had been held in the City of Miami. Nine (9) individuals became certified instructors.
- e. 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.
- f. On August 8, 2009, the City of Miami's new Soil Erosion, Waterway Sedimentation, And Airborne Dust Generation Control ordinance went into effect. This ordinance strengthens the City's enforcement authority in the area of construction site stormwater pollution prevention.

#### 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 continuing. Samples have been collected from Little River, Tamiami Canal, Biscayne Bay, Blue Lagoon, and Comfort Canal.

On July 31, 2009, the City of Miami submitted its NPDES Annual Report to FDEP. FDEP determined the report to be administratively complete.

FDEP conducted the City of Miami's NPDES Audit on September 11, 2009. Based on the comments provided by DEP, additional best management practices were instituted at the Solid Waste and GSA yards.



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The Public Works Department met with the IT Department regarding an information request from FDEP regarding illegal dumping violations in the Wagner Creek watershed prior to the watershed's addition to the 311 system. Due to differences in design between the 311 system's database and the City of Miami's geographic information system, the information in the 311 system had to be converted to another format before the information request can be completed. IT performed the final conversion, and the Public Works Department completed a preliminary data analysis which indicates that amount of illegal dumping in the Wagner Creek watershed is consistent with the amount of illegal dumping citywide. Currently the Public Works Department is in the process of validating the results and may perform additional analyses.