



City of Miami

MIAMI RIVER BASIN WATER QUALITY IMPROVEMENT REPORT PUBLIC WORKS PORTION FOR FIRST, SECOND, AND THIRD QUARTER 2011

Action Items

1. Storm water*

j. Citywide Inlet and Outfall Cleaning*

Status: Envirowaste has completed Citywide South Zone Inlet Cleaning. It is anticipated that a contract for North Zone Inlet Cleaning work will be awarded in 2012. City of Miami Public Works crews continue citywide storm sewer system cleaning.

k. Inlet Retrofit for the Wagner Creek Basin*

Status: No inlet retrofits took place during the first three quarters of 2011.

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. The data below is gathered from the dump tickets at the Miami Dade Transfer station for the Vactor Truck Debris Hauling Contract, M-0000.

Date	Tons
1/12/2011	16.54
1/24/2011	16.88
1/27/2011	16.17
1/28/2011	16.58
January Total	66.17
2/7/2011	12.21
2/10/2011	16.83
2/18/2011	22.44
2/28/2011	20.44
February Total	71.92
3/18/2011	16.68
3/24/2011	20.01
March Total	36.69
1st Quarter Total	174.78
4/5/2011	19.00
4/14/2011	18.49
April Total	37.49
5/3/2011	18.28
5/5/2011	15.11
5/14/2011	14.89
May Total	48.28
6/10/2011	16.34
6/14/2011	16.69
6/24/2011	20.94
June Total	53.97
2nd Quarter Total	139.74



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Date	Tons
7/8/2011	17.81
7/14/2011	18.47
7/25/2011	18.62
July Total	54.90
8/3/2011	17.87
8/12/2011	18.98
8/16/2011	14.78
8/25/2011	19.76
8/31/2011	16.48
August Total	87.87
9/15/2011	11.49
9/20/2011	16.38
9/27/2011	14.67
September Total	42.54
3rd Quarter Total	185.31
10/5/2011	18.28
10/6/2011	17.35
10/20/2011	16.33
10/24/2011	13.88
October Total	65.84
11/7/2011	15.23
November Total	15.23
11/18/2011	16.89
12/6/2011	16.32
December Total	33.21
Grand Total	614.11

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.



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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. Miami-Dade County Planning, Environment, and Regulatory Affairs (PERA, formerly 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.



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c. Environmental Education

On April 28, 2011, the City of Miami hosted a public outreach event for Earth Day at the Miami Riverside Center. The Public Works Department provided environmental education on the importance of preventing illegal dumping, the environmental consequences, stormwater, and erosion control. The Public Works Department distributed flyers and demonstrated a watershed erosion model.

The City of Miami hosted a Florida Stormwater, Erosion, and Sedimentation Control Inspector Training in conjunction with Illicit Discharge Detection Training from August 16-18, 2011. Nineteen students received training.

The City of Miami participated in a coastal cleanup event with the Environmental Coalition of Miami and the Beaches on September 16, 2011. The City provided environmental outreach flyers during this event.

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, Comfort Canal, and Wagner Creek. Two stormwater samples, one sediment sample, and one water column sample were collected from Wagner Creek in May of 2011.

b. TMDL-related monitoring and research*

Status: The City of Miami began its review the first draft of the Walk-the-WBID draft report compiled by FDEP and completed a total of 232 comments and revisions based on plans and permit



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research and activities which had taken place after the Walk-the-WBID field event. The report was completed in the third quarter.

The City of Miami participated in a Walk-the-WBID Follow-up webinar hosted by FDEP, during which time it provided updated information which was later included in the City's comments on the Walk-the-WBIDs draft report.

The City of Miami contacted FDOT archives in order to obtain the 700 pages of plans for the I-95/I-395 interchange and verify the connection between the Overtown Pump Station, FDOT's drainage ponds under I-95, and Seybold Canal. Using FDOT's plans and the City's plans, the connection was able to be verified. The City of Miami with Miami-Dade County and FDEP personnel participated in a Wagner Creek boat tour and inspection of the VA Hospital facility as a follow-up activity for the Walk-the-WBID on June.

The City of Miami and an environmental services consultant finalized a scope of work to provide support services for the Wagner Creek fecal coliform TMDL follow-up process. A Notice to Proceed was issued to the consultant on May 2, 2011. The consultant created a monitoring plan to define better the sources of fecal coliform loading to Wagner Creek and Seybold Canal. As the monitoring plan is now complete, and the City of Miami is in negotiations with the consultant to begin sampling. Due to storm drain interconnections, permission will need to be obtained from FDOT and Miami-Dade County to collect samples from these agencies' rights-of-way.