



CITY OF MIAMI
MIAMI RIVER BASIN WATER QUALITY IMPROVEMENT REPORT
1ST QUARTERLY REPORT
(JANUARY 1, 2006 – MARCH 31, 2006)

Action Items

1. Storm water
 - a. Retrofit drainage in remaining areas of Miami River starting with Pinehurst neighborhoods

Status: This project consists of drainage work consisting of french drains, solid piping, catch basins, manholes, pollution retardant structures, and water control structures prior to the outfall to Wagner Creek in order to provide water quality treatment prior to discharge and inhibit the discharge of solids into Wagner Creek.

The final design phase was completed in December 2004. Construction commenced in August 2005 by H&A Contracting Corp. and is approximately 80% complete. It is expected to take 10 to 12 months to complete construction. Estimated total project cost is \$ 2.4 million. This project is fully funded by city funds supplemented by SFWMD grants in the amount of \$ 1.2 million.

The project boundaries are bounded on the north by N.W. 28th Street, on the south by N.W. 23th Street, on the west by N.W. 17th Avenue and on the east by N.W. 12th Avenue.

- b. Little Havana Storm Sewer Rebuilding Project

Status: The construction for this project was completed on October 2002.

The project location is S.W. 10th Terrace between S.W. 27th and S.W. 28th Avenue.

c. Allapattah Storm Sewer Project

Status: The construction for this project was completed in approximately December 2004.

This project is located along N.W. 15th Street between 13th Court and 14th Avenue and along 13th Court between 15th and 16th Street.

d. Downtown Storm Sewers Rebuilding Project

Status: This project is divided in two phases: Phase I (S.W. 15th Road) and Phase II (North Bay Shore Drive at N.E. 18 Street, N.E. 17 Terrace, N.E. 18 Terrace, N.E. 4 Avenue, N.E. 19 Street, N.E. 17 Street). Phase I was completed on August 2002.

Phase II consists of drainage improvements and roadway reconstruction. The engineering design consultant assigned to this project is R.J. Behar. The design phase is approximately 30% complete. The design commenced in February 2005 and is anticipated to be completed in October 2006. Subsequent to procurement phase, construction is expected to begin in March 2007 and be completed in March 2008. The estimated total project cost is not known at this time. Current funding allocated for this project is \$ 671,495.

e. Wagner Creek Dredging Project, Phase IV

Status: This project consists of the dredging and bank stabilization of Wagner Creek. The City has issued a stop work order for this project. In an effort to complete all necessary design work and permitting for this project, the City will be selecting a new firm to remediate the creek through a Competitive Negotiation Process. Assuming there are no unforeseen circumstances, this process typically takes six (6) months from the time of advertisement to City Commission award.

Current estimated budget for this project is \$ 1,640,000. This budget consists of local city funds supplemented with a SFWMD grant in the amount of \$ 1,000,000 that will be utilized for phases IV and V. An estimated construction cost for this phase has not been determined at this time.

The project limits are along Wagner Creek between N.W. 14th Avenue and N.W. 15th Street.

f. Wagner Creek Dredging Project, Phase V

Status: This project consists of the dredging and bank stabilization of Wagner Creek. The City has issued a stop work order for this project. In an effort to complete all necessary design work and permitting for this project, the City will be selecting a new firm to remediate the creek through a Competitive Negotiation Process. Assuming there are no unforeseen circumstances, this process typically takes six (6) months from the time of advertisement to City Commission award.

Current estimated budget for this project is \$ 1,782,215. This budget consists of local city funds supplemented with a SFWMD grant in the amount of \$ 1,000,000 that will be utilized for phases IV and V. An estimated construction cost for this phase has not been determined at this time.

The project limits are along Wagner Creek between N.W. 15th Street and N.W. 11th Street.

g. Wagner Creek Dredging Project, Phase III

Status: This project consists of the dredging and bank stabilization of Wagner Creek. The City has issued a stop work order for this project. In an effort to complete all necessary design work and permitting for this project, the City will be selecting a new firm to remediate the creek through a Competitive Negotiation Process. Assuming there are no unforeseen circumstances, this process typically takes six (6) months from the time of advertisement to City Commission award.

Current budget for this project is estimated at \$710,000. This project is funded by the City and FEMA. An estimated construction cost for this phase has not been determined at this time.

The project limits are along Wagner Creek between N.W. 20th Street and N.W. 14th Avenue.

h. Seybold Canal Dredging Project

Status: This project consists of the dredging of Seybold Canal. In an effort to complete all necessary design work and permitting for

this project, the City will be selecting a new firm to remediate the creek through a Competitive Negotiation Process. Assuming there are no unforeseen circumstances, this process typically takes six (6) months from the time of advertisement to City Commission award.

This project is an unfunded project at this time.

The project limits are along Seybold Canal between N.W. 11th Street to the Miami River.

i. Citywide Inlet and Outfall Cleaning

Status: EnviroWaste Services Group, Inc. started the cleaning of citywide inlets (north zone and south zone) and outfalls in February 2006. Presently, the City is in the process of authorizing an engineering consultant to inspect the cleaning activities.

Project duration is two years.

j. Inlet Retrofit for the Wagner Creek Basin

Status: Environmental Performance Systems, Inc. completed the installation of new storm water grates and baskets in the Wagner Creek drainage system.

City Commission approved additional \$50,000 to install new storm water grates and baskets in Overtown and Allapattah Market Place.

k. Scavenger 2000 De-Pollution Boat

Status: This project consists of the cleaning, oxygenation, and decontamination of the Miami River.

Estimated Total Project Cost is \$200,000. Current allocated budget is \$200,000 through City funds. This is an on-going project and the contract expires on July 2006.

l. Collect, compile, analyze and report of solid waste data from catch basins

Status: The following is a summary of the solid waste from the catch basins collected by Waste Management for the July 05 through December 05 quarters

Date	Tons
7/1/05	20.01
7/11/05	15.17
7/22/05	20.92
7/26/05	24.37
July	80.47
Total	

Date	Tons
8/3/05	12.45
8/10/05	19.95
8/16/05	21.25
8/29/05	18.42
August	72.07
Total	

Date	Tons
9/7/05	18.32
9/14/05	22.23
9/19/05	22.34
9/23/05	20.19
9/29/05	19.10
September	102.18
Total	

Quarterly Total	254.72
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Date	Tons
10/13/05	19.17
10/18/05	17.85
October	37.02
Total	

Date	Tons
11/3/05	13.51
11/14/05	18.20
11/30/05	19.15
November	50.86
Total	

Date	Tons
12/5/05	21.80
12/20/05	10.39
December	32.19
Total	
 Quarterly Total	 120.07

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

Status:

- a. **Tree removal of the canal bank on Wagner Creek was completed.**
- b. **City Commission approved Texas Aquatics Harvesting, Inc. for the citywide canal cleaning and maintenance. The project entails a one-time cleaning of the canals followed by monthly maintenance of the canals.**

Project duration is two years.

2. Wastewater

- a. Conduct "dye flood" study

Status: No new study 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 hook-ups.

- b. Point Park Environmental Center

Status:

- **The privacy wall on the north side of the park is completed (175 ft long and 6 ft high)**

- **The Shoreline Project is ongoing and scheduled to be completed in 30 days**
- **The Seybold Project is on hold**

4. Monitoring and Research

a. Complete special studies required under NPDES

Status: Information gathering activities for the preparation of the 2005 Annual Report and activity planning/implementation for the 2006 permit year are underway.

Notice to Proceed has been issued to PBS&J to begin the Total Maximum Daily Loads (TMDLs) Development.