



MIAMI RIVER BASIN WATER QUALITY IMPROVEMENT REPORT
3rd QUARTERLY REPORT
(JULY 1, 2005 – SEPTEMBER 30, 2005)

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 and is expected to take 10 to 12 months to complete. 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 February 2006. Subsequent to procurement phase, construction is expected to begin in August 2006 and be completed in August 2007. 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. Design plans are approximately 90% complete. Florida Department of Environmental Protection (FDEP) permit has been issued for this phase. Army Corp of Engineers (ACOE) permit has also been issued for this phase. Permit from Miami-Dade County Department of Environmental Resources Management (MDC-DERM) Coastal Section is pending and is contingent on the approval of the Corrective Action Plan from MDC-DERM Pollution Remediation Section.

The City is exploring possible alternatives with the ACOE for dredging the Wagner Creek.

The City will schedule to meet with the Miami-Dade County DERM Director to discuss the dredging project.

The City is also reviewing Contractor(s) proposed dredging methodologies for the project.

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 and is under design by Consulting Engineering and Science, Inc. Design plans are approximately 90% complete. The FDEP permit has been issued for this phase. The ACOE permit has been issued for this phase. Permit from Miami-Dade County Department of Environmental Resources Management MDC-DERM Coastal Section is pending and is contingent on the approval of the Corrective Action Plan from MDC-DERM Pollution Remediation Section.

The City is exploring possible alternatives with the ACOE for dredging the Wagner Creek.

The City will schedule to meet with the Miami-Dade County DERM Director to discuss the dredging project.

The City is also reviewing Contractor(s) proposed dredging methodologies for the project.

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 is currently under design by PHS Engineering Corp., the city consultants. The design phase is 60% completed. Permits applications have been filed with the FDEP, ACOE, and MDC-DERM and are pending approval.

Current budget for this project is estimated at \$709,046. This project is partially funded by FEMA. An estimated construction cost for this phase has not been determined at this time.

The City is exploring possible alternatives with the ACOE for dredging the Wagner Creek.

The City will schedule to meet with the Miami-Dade County DERM Director to discuss the dredging project.

The City is also reviewing Contractor(s) proposed dredging methodologies for the project.

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

h. Seybold Canal Dredging Project

Status: This canal has been added to our list of projects to be dredged. The selection of a consultant from our approved environmental professional services agreements to commence the design and permitting is pending. This project is an unfunded project at this time.

The City is exploring possible alternatives with the ACOE for dredging the Seybold Canal.

The City will schedule to meet with the Miami-Dade County DERM Director to discuss the dredging project.

The City is also reviewing Contractor(s) proposed dredging methodologies for the project.

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

i. Citywide Outfall/Baffle Cleaning

Status: The project involves the cleaning of City outfalls, inlets, and adjacent pipes and structures along the Wagner Creek Basin.

Estimated Total Project Cost is estimated at \$19,000. **Current allocated budget** is \$19,000 through City funds. This project was completed in September 2005.

j. Inlet Retrofit for the Wagner Creek Basin

Status: The project includes installing 250 baskets and inlet grates at existing type “F-3” catch basins along Wagner Creek Basin.

Estimated Total Project Cost is \$196,480. **Current allocated budget** is \$196,480 through City funds. This project is currently under construction and is anticipated to be completed in January 2006.

k. Scavenger 2000 Depolution 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. Install solid waste interceptors at all Miami River Outfalls

Status: Environmental Performance Systems, Inc. installed 150 new storm water grates and baskets in the Wagner Creek drainage system. Also, 100 new storm water grates & baskets will be installed in the North East Overtown Town Park Road.

m. 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 April 05 through June 05 quarter:

Date	Tons
4/1/2005	17.32
4/22/2005	17.69
4/29/2005	11.6
April Total	46.61
5/4/2005	11.24
5/16/2005	12.46
5/27/2005	14.8
May Total	38.5
6/9/2005	16.94
6/14/2005	18.24
6/23/2005	14.93
June Total	50.11
Quarterly Total	135.22

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

Status:

- a. **Tree trimming of the canal bank on Wagner Creek.**
- b. **Received a bid from Texas Aquatics for City Wide Canal Cleaning and Maintenance. This is not yet approved by the City Commission.**

2. Wastewater

- a. Conduct "dye flood" study

Status: No new study performed.

3. Enforcement, compliance and education

- c. Implement active inspection of sanitary sewer connections and storm water drainage during construction

Status: The City of Miami is regularly inspecting 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.

g. Point Park Environmental Center

Status:

- **The eight foot high privacy wall on the north side of the park is currently under construction.**
- **The Shoreline Project is to be Re-bid by Miami-Dade DERM during October or November of 2005.**
- **The Seybold Project is in Pricing by CIP/JOC to be bid after.**

4. Monitoring and Research

b. Complete special studies required under NPDES

Status: As required by the NPDES permit, on September 29-30, 2005, Raymond Rammo, P.E. and Elyrosa Estevez, P.E. III, City of Miami Public Works participated in an on-site NPDES Permit Annual Audit Review by the Department of Environmental Protection (FDEP).

City staff received a proposal from PBS&J for Watershed Protection and Total Maximum Daily Loads (TMDL's). The Proposal is currently in the review process.