INSTRUCTIONS – DEP FORM 62-624.600(2)
ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR
MUNICIPAL SEPARATE STORM SEWER SYSTEMS

Who Must Submit This Annual Report Form?

- Operators of municipal separate storm sewer systems (MS4s) that are covered by an individual NPDES stormwater permit pursuant to Rule 62-624, F.A.C. must submit this form. Each permitted operator must individually complete and submit this form, even if the operator is covered under a permit with multiple co-permittees or has established an interlocal agreement with one or more co-permittees.

When to Submit This Annual Report Form?

- This form must be fully completed and submitted for each year of coverage under the NPDES stormwater permit term. The Year 1 Annual Report must cover the twelve-month period beginning on the effective date of the permit and is due six months after the first anniversary of the date of permit issuance. All subsequent annual reports are due six months after the anniversary of the effective date of the permit.

Where To Submit This Annual Report Form?

- This form and any REQUIRED attachments must be sent by mail to the address below. The form and attachments may be submitted electronically (on a disk or CD) if a signed paper copy of Section VI of this form (Certification Statement and Signature) is also submitted. Do not submit any materials not specifically required to be submitted as per Section V of this form.

  Florida Department of Environmental Protection
  NPDES Stormwater Section
  Mail Station 2500
  2600 Blair Stone Road
  Tallahassee, Florida 32399-2400

Section I: BACKGROUND INFORMATION

- Row A — Provide the name of the governmental entity submitting this form. For example, “City of Lauderhill.”

- Row B — Provide the name of the permit as it appears on the first page of your permit. For example, “Broward County MS4.” The permit name will not necessarily be the same name provided in Row A if the permit covers multiple co-permittees. If the name of the permit is the same name provided in Row A, repeat the name in Row B – do not leave the row blank.

- Row C — Provide the last two digits of your permit number as it appears on the first page of your permit.

- Row D — Indicate which permit year the annual report covers. If the permit year is beyond Year 5, check the last box and provide the appropriate permit year number.

- Row E — Indicate the twelve-month period the annual report covers. Provide the month and year for the beginning of the period and the month and year for the end of the period. For example, “March/2003 through February/2004.” Do not provide the day.

- Row F — Provide contact information for your Responsible Authority. The definition of a Responsible Authority can be found at Rule 62-620.305, F.A.C.

- Row G — Provide contact information for the Designated Stormwater Management Program Contact if it isn’t the same person as the Responsible Authority identified in Row F, otherwise leave this section blank. The Stormwater Management Program Contact is the technical person that oversees the stormwater program and is the primary contact for when the Department has questions about the annual report, is scheduling an annual inspection, or needs to discuss miscellaneous issues concerning implementation of the permit.

Section II: MS4 MAJOR OUTFALL INVENTORY

- This section is required to be completed in all permit years EXCEPT Year 1. In Year 1, you are required to provide an inventory and a map of all known major outfalls, in accordance with Rule 62-624.600(2)(a), F.A.C. In all subsequent permit years, you need to only provide any updates to the inventory by completing this section.

- The definition of a “major” outfall can be found at Rule 62-624.200(5), F.A.C.

- For the third item listed, indicate whether you attached the major outfall inventory and a map of the major outfall locations in accordance with Rule 62-624.600(2)(a), F.A.C. This item is only applicable in Year 1. For all other reporting years, check the "N/A" box.

- For the fourth item listed, indicate whether you attached the estimates of pollutant loadings and event mean concentrations as required under Part V.A of your permit and in accordance with Rule 62-624.600(2)(b), F.A.C. This item is only applicable in Year 3. For all other reporting years, check the "N/A" box.

- For the fifth item listed, indicated whether you attached your permit re-application in accordance with the re-application requirements in Rule 62-624.420(2), F.A.C. This item is only applicable in Year 4. For all other reporting years, check the "N/A" box.

Section VI: CERTIFICATION STATEMENT AND SIGNATURE

- The Responsible Authority listed in Section I.F of this form must sign the certification statement provided in this section, in accordance with Rule 62-620.305, F.A.C. The annual report form will be returned to the permittee if the required signature is not included. If you choose to submit the annual report and attachments electronically, a signed paper copy of this section must also be submitted.

Section VII: STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

- Column A — Columns B through F must be completed for each SWMP element indicated by the permit citation in Column A. No information is to be inserted by the permittee in this column.

- Column B — Provide a summary of the permit requirements in Part III.A of your permit for each SWMP element and, underneath the summary, list the quantifiable SWMP activities related to the requirements. The particular quantifiable SWMP activities are specific to each permittee, but must include, at a minimum, the quantifiable activities that are required by the permit to be reported.

- Column C — Provide a number representing the activities performed in the current reporting year for each of the quantifiable SWMP activities you listed in Column B. This column may not be left blank for any of the quantifiable SWMP activities listed in Column B.

- Column D — Provide a title or description of the record that documents each number you provided in Column C. For example, "Daily Work Orders," "Illicit Complaint/Investigation Forms and Log," or "Construction Inspection Checklists and Log." If the activity is recorded entirely in an electronic database system, you may provide the name of the system, such as the "Hansen Model." This column may not be left blank for any of the numbers provided in Column C.

- Column E — Provide the name of your department/division that is responsible for performing each of the SWMP activities listed in Column B, or provide the name of the co-permittee, private contractor, or other entity that is performing the activities on your behalf. Try to be as specific as possible by including, for example, the name of the employee responsible for a particular SWMP activity if only that employee can answer any questions concerning the activity. This column may not be left blank for any of the SWMP activities listed in Column B.

- Column F — This column allows for any brief comments you determine are necessary to explain the information you provided in Columns C, D, and E.

Section VIII: CHANGES TO STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES

- This section is to be completed, as applicable, in all permit years EXCEPT Year 4. In Year 4, any desired changes to your SWMP activities should be included in your permit re-application that is to be attached to the Year 4 Annual Report Form.

- Row A — If applicable, include in this row any requested changes to your SWMP activities that are established as specific requirements under Part III.A of your permit. Provide the permit citation/SWMP element that corresponds to the SWMP activity you want changed, describe the requested change, and provide a rationale for the change. Such changes cannot be implemented without prior approval from the Department and may require a permit revision in accordance with Rule 62-620.325, F.A.C.

- Row B — If applicable, include in this row any changes to your SWMP activities that are NOT established as specific requirements under Part III.A of your permit but rather are activities at the discretion of the permittee. Provide the permit citation/SWMP element that corresponds to the SWMP activity you have changed, describe the change, and provide a rationale for the change.

ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

Submit the form and attachments to:
Florida Department of Environmental Protection
Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION			
A.	Permittee Name: City of Miami Beach		
B.	Permit Name: Miami-Dade County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000003-003 (Cycle 3)		
D.	Annual Report Year: ☒ Year 1 ☐ Year 2 ☐ Year 3 ☐ Year 4 ☐ Year 5 ☐ Other, specify Year:		
E.	Reporting Time Period (month/year): June/2011 through June/2012		
F.	Name of the Responsible Authority: Fred H. Beckmann, P.E.		
	Title: Public Works Department Director		
	Mailing Address: 1700 Convention Center Drive, 4th Floor		
	City: Miami Beach	Zip Code: 33139	County: Miami-Dade County
	Telephone Number: 305-673-7080	Fax Number: 305-673-7028	
	E-mail Address: fredbeckmann@miamibeachfl.gov		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Margarita Wells		
	Title: Environmental Specialist		
	Department: Public Works Department, Environmental Division		
	Mailing Address: 1700 Convention Center Drive, 4th Floor		
	City: Miami Beach	Zip Code: 33139	County: Miami-Dade County
	Telephone Number: 305-673-7080	Fax Number: 786-394-4595	
	E-mail Address: margaritawells@miamibeachfl.gov		

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)	
A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? ☐ Yes ☐ No ☒ Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none):0 (Does this number include non-major outfalls? ☐ Yes ☐ No ☒ Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? ☐ Yes ☐ No ☒ Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: **The monitoring plan is carried out through an inter-local agreement with Miami-Dade County. Please see the Miami-Dade County Annual Report for the monitoring information.**
B.	Provide a brief discussion of the monitoring results to date: **Please see the Miami-Dade County Annual Report for the monitoring information.**
C.	Attach a monitoring data summary, as required by the permit.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: **NPDES management is incorporated in the Stormwater Utility Budget. The total expenditure was** $ 5,543,043.30 *DEP Note: If program resources have decreased from the previous year, attach a discussion of the impacts on the implementation of the SWMP as per Part II.F of the permit.*
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: **The Stormwater Operating Budget for the subsequent reporting year is** $6,056,491.95

SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

DEP Note: Please complete Checklists A & B at the end of the tailored form.

Attached	N/A	
☐	☒	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.
☒	☐	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
☒	☐	Year 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.
☐	☒	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.
☐	☒	Year 4 ONLY: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C.

DO NOT SUBMIT ANY OTHER MATERIALS

(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Fred H. Beckmann, P.E.

Title: Public Works Department Director

Signature: F. H. Beckmann Date: 1 / 7 / 2012

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.1	**Structural Controls and Stormwater Collection Systems Operation**				

Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory.

DEP Note: The permittee needs to "customize" this section by adding any structural controls to the list below that are part of the permittee's MS4 currently or are planned for the future. The permittee may remove any structural controls listed that it does not have currently or will likely not have during this permit cycle. Please see the attached description of each type of structure. In addition, the permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.

Provide an inventory of all known major outfalls covered by the permit and a map depicting the location of the major outfalls (hard copy or CD-ROM). Provide the outfall inventory and map with the Year 1 Annual Report.

Report the number of inspection and maintenance activities conducted for each type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. If the minimum inspection frequencies set forth in Table II.A.1.a were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.

DEP Note: If the minimum inspection frequencies set forth in Table II.A.1.a of the permit were not met for one or more type of structure, the permittee must provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met. Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.

Type of Structure	Number of Activities Performed					Documentation / Record	Entity Performing the Activity	Comments
	Total Number of Structures	Number of Inspections	Percentage Inspected	Number of Maintenance Activities	Percentage Maintained			
Exfiltration trench / French drains (linear feet)	12,645.27	2,661.52	21%	2,661.52	21%	City of Miami Beach: Exfiltration Trench/French Drain Cleaning Report	Public Works – Stormwater Operations	
Pollution control boxes	131	Unknown	Unknown	Unknown	Unknown			The City is tracking all inspections/maintenance in GIS through our Cityworks

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									program. This structure type was not included in this process during this reporting year. However, the City will include it in future years.
	Stormwater pump stations	11	Monthly	100%	Minimum Once Annually	100%	City of Miami Beach: Work Orders		
	Major stormwater outfalls	20	2	10%	2	10%	City of Miami Beach: Outfall Inventory	Public Works – Stormwater Operations	The City is tracking all inspections/maintenance in GIS through our Cityworks program. However, the program does not currently differentiate between major and non-major stormwater outfalls. Cityworks indicates that a total 136 outfalls were cleaned. The City will modify the reporting system so this reporting item can be accurately tracked.
	Weirs or other control structures	10	Unknown	Unknown	Unknown	Unknown			The City is tracking all inspections/maintenance in GIS

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									through our Cityworks program. This structure type was not included in this process during this reporting year. However, the City will include it in future years
	MS4 pipes / culverts (miles)	92.8	13.8	15%	13.8	15%	City of Miami Beach: MS4 Pipes/Culverts Cleaning Report		
	Inlets / catch basins / grates	4,246	728	17%	728	17%	City of Miami Beach: Catch Basin Cleaning Report		
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were <u>not</u> met								
	Year 1 ONLY: Attach a map of all known major outfalls						City of Miami Beach Major Outfall Map	Public Works – GIS Division	
Part III.A.2	**Areas of New Development and Significant Redevelopment**								
	Report the number of new development and significant redevelopment projects reviewed by the permittee for post-development stormwater considerations. *<u>DEP Note:</u> Please provide an explanation in Column F for any "0" reported in Column C.*								
	Number of new development / significant redevelopment projects reviewed				0		N/A	Planning Department / Public Works Department	The City is fully developed. There were no significant redevelopment projects in this reporting year.
	Provide in the Year 2 Annual Report the summary report of the review of local codes activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation of modifying codes to allow low impact design BMPs.								

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	DEP Note: Refer to Part III.A.2 of the permit for details regarding what the review entails, and what must be included in the summary report and follow-up report. Please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.				
	Year 2 ONLY: Attach the summary report of the review activity				
	Year 4 ONLY: Attach the follow-up report on plan implementation				
Part III.A.3	**Roadways**				
	Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, but not by both, please remove the non-applicable reporting items.*				
	PERMITTEE Litter Control Program: Frequency of litter collection	Daily	Sanitation Division Standard Operating Procedures	Public Works – Sanitation Division	The City of Miami Beach transports litter collected to the Miami-Dade County Solid Waste Management Disposal Facilities.
	PERMITTEE Litter Control Program: Estimated amount of area maintained (miles)	156 miles			
	PERMITTEE Litter Control Program: Estimated amount of litter collected (yards)	21,840	NPDES Tracker – Sanitation		
	If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. *DEP Note: The permittee may choose its own unit of measurement for the amount of litter collected. Unit options include: bags, cubic yards, pounds, tons. If an Adopt-A-Road or similar program is not implemented by the permittee, please note that in Column F but do not remove the Adopt-A-Road Program reporting items.*				
	Trash Pick-up Events: Total miles cleaned	4.8	NPDES Tracker – Clean-up Events	City of Miami Beach through the non-profit ECOMB	
	Trash Pick-up Events: Estimated amount of litter collected (trash bags)	328			
	Adopt-A-Beach Program: Total miles cleaned	10.5	NPDES Tracker – Adopt-a-Beach		The City does not have an Adopt-A-Road Program. However, the City does have and Adopt-a-Beach Program.
	Adopt-A-Beach Program: Estimated amount of litter collected (bags)	397			The City does not have an Adopt-A-Road

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					Program.
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen (TN) and total phosphorus (TP) loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in the Year 1 Annual Report. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.* *DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.*				
	Frequency of street sweeping	Daily	Sanitation Division Standard Operating Procedures	Public Works – Sanitation Division	
	Total miles swept (per week)	156			
	Estimated quantity of sweeping material collected (cubic yards)	Unknown			Street sweeping material was combined with general litter collection prior to disposal. However, the City will provide data in the next reporting year. The City has created a log to estimate sample volume of material and will use this log to estimate volume collected.
	Total nitrogen loadings removed (pounds)	Unknown			
	Total phosphorus loadings removed (pounds)	Unknown			
	Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned				N/A
	Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site*				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
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	inspection under both Parts III.A.3 and III.A.5.				
		Number of Inspections			
	Name of facility #1: Public Works Yard	1	NPDES Tracker – Facility Inspections	Public Works – Environmental Division	Note that the City's Fleet Management Facility was incorrectly counted in previous years.
Part III.A.4	**Flood Control Projects**				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs. *DEP Note: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment.* *DEP Note: The status of the flood control and retrofit projects should be reported as of the last day of the applicable reporting period. Therefore, there should be no duplication for those reported as planned, for those reported as under construction and for those reported as completed.* *DEP Note: If applicable, please provide the title of the attached list of flood control projects that did not include stormwater treatment in Column D and the name of the entity who finalized the list in Column E.*				
	Flood control projects completed during the reporting period	23	NPDES Tracker – Flood Control Projects	CIP Department / Public Works Department	
	Flood control projects completed during the reporting period that did not include stormwater treatment	0			All of the City's flood control projects include stormwater treatment.
	ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not				
	Stormwater retrofit projects planned	10	NPDES Tracker – Construction Sites and Flood Control Projects		
	Stormwater retrofit projects under construction during the reporting period	8			
	Stormwater retrofit projects completed during the reporting period	5			
Part III.A.5	**Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit**				
	Annually review (and revise, as needed) and implement the permittee's written procedures for inspections and the implementation of measures to control discharges from the following facilities that are not otherwise covered by an NPDES stormwater permit: • Operating municipal landfills; • Municipal waste transfer stations; • Municipal waste fleet maintenance facilities; and				

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A.	**B.**	**C.**	**D.**	**E.**	**F.**
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	• Any other municipal waste treatment, waste storage, and waste disposal facilities. Report the number of applicable facilities and the number of the inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted.* ***An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled, and where solid waste collection vehicles are parked and/or maintained.*** *In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*				
		Number of Inspections			
	Name of facility #1: Green Waste Facility	1	NPDES Tracker – Facility Inspections	Public Works – Environmental Division	The Green Waste Facility collects only vegetation yard waste that is disposed off-site at Waste Management Hialeah Transfer/Recycling Center (Kimmins).
Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**				
	Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply pesticides, herbicides, or fertilizers on permittee-owned property, as well as any permittee personnel employed in the application of these products. Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed. Report the number of permittee personnel and contractors who have been trained through the Green Industry BMP Program, and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed. *DEP Note: If "0" is reported in Column C for any of the reporting items, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training / certification was previously provided / obtained, and the names of the personnel and contractors previously trained / certified*.				
	PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides			Parks and Recreation – Greenspace Management Division	The City's Greenspace Management Division is still in the process of compiling this information for
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides				

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A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer				Year 1.
	PERSONNEL: Green Industry BMP Program training completed			Parks and Recreation – Greenspace Management Division	
	CONTRACTORS: Green Industry BMP Program training completed				
	Pursuant to SB 2080 (2009), all local governments are encouraged to adopt a Florida-friendly Landscaping Ordinance similar to the one set forth in the document "Florida-friendly Guidance Models for Ordinances, Covenants and Restrictions." If the broader Florida-friendly ordinance described above is not adopted, then all local governments within the watershed of a nutrient-impaired water body shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes pursuant to SB 494 (2009) or an ordinance that includes all of the requirements set forth in the Model Ordinance. The ordinance shall be adopted within 24 months of the date of permit issuance. Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report. *DEP Note: If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, then please indicate that in Column F, but do not remove this reporting item.* *DEP Note: Please provide the title and citation of the ordinance in Column D, and the name of the entity who finalized the ordinance in Column E.*				
	Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance				The City is not within the watershed of a nutrient-impaired water body.
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). Activities performed under the Florida Yards and Neighborhoods (FYN) program should only be reported if the permittee is contributing funding towards the FYN staff and program within its jurisdiction. *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items please include in Column F an explanation for why no outreach was performed.* *DEP Note: Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.* *DEP Note: Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities. In addition, please complete the following line:* **FYN PROGRAM FUNDING: Permittee Provides Funding? ☐ Yes ☒ No Amount of Funding = $**				
	Estimated percentage of the population reached by the activities in total	50%		Public Works – Environmental	This estimate takes into

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				Division / Communications Department	consideration that the City's outreach and education activities extend to residents, local visitors and national/internati onal tourists.
	Neighborhood presentations: Number conducted	1	NPDES Tracker – Public Reporting	Public Works – Environmental Division / UF Extension Office	
	Neighborhood presentations: Number of participants	50			
	Newspapers & newsletters: Number of articles/notices published	65,000 Quarterly		Communications Department	MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
	Newsletters: Number of newsletters distributed	155,000 Readers Quarterly			
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1		Public Works – Environmental Division	Pollution Prevention Board is used at all Environmental Division Related Events
	Radio or television Public Service Announcements (PSAs)	4		Communications Department	4 PSAs - each airing approximately 5 times per day
	Seminars/Workshops: Number conducted	2		Public Works – Environmental Division	
	Seminars/Workshops: Number of participants	Unknown	N/A		The City will begin to track the number of participants in all public outreach events.
	Special events: Number conducted	4	NPDES Tracker – Public Reporting	Public Works – Environmental Division	

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	Special events: Number of participants	Unknown	N/A		The City will begin to track the number of participants in all public outreach events.
	Web Site: Number of hits / visitors to the stormwater-related pages	8,864	NPDES Tracker – Public Reporting	Public Works – Environmental Division and Sanitation Division	
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**				
	Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. Report amendments, as needed. *DEP Note: If applicable, please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.*				
	ATTACH a report on any amendments to the applicable legal authority				
Part III.A.7.c	**Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal**				
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken. *DEP Note: If "0" is reported in Column C for the first reporting item, please include an explanation in Column F for why no proactive inspections were performed. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Proactive inspections may include, for example, suspect areas (e.g., industrial areas), commercial businesses (e.g., restaurants, car washes, service stations, laundries / dry cleaners, auto body shops, mobile carpet cleaners) or temporary activities (e.g., special events / fairs / circus) that would not otherwise be inspected during routine inspections and maintenance of the MS4, in association with high risk industrial facilities or construction sites, or in response to citizen or staff reports.* *DEP Note: Miami-Dade County is to report the ONLY the proactive inspections it performed in the unincorporated areas of Miami-Dade County – any proactive inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. The co-permittees may report the IWP inspections performed by Miami-Dade County in their jurisdictions only if the inspections included looking for illicit discharges / connections / dumping to the MS4. Each co-permittee is to report the Miami-Dade County proactive inspections in their jurisdiction separately from the proactive inspections that the co-permittee performed itself.* *DEP Note: Refer to Part III.A.7.c of the permit for what must be included in the written proactive inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	Proactive inspections performed by Miami-Dade County on behalf of a co-permittee for suspected illicit discharges / connections / dumping	0		Miami-Dade County RER	

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A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	Proactive inspections performed by the permittee for suspected illicit discharges / connections / dumping	21	Search Complaints Report and NPDES Tracker – SW Inspections	Code Compliance and Public Works – Right-of-Way Division	The City's Code Compliance Division began conducting proactive inspections for litter violations at the City's beaches using both uniformed and undercover officers in March 2010. However, violations from these inspections are logged with the litter violations from reactive inspections. As such, all litter violations were reported as reactive this reporting year.
	Illicit discharges / connections / dumping found during a proactive inspection	21		Code Compliance and Public Works – Right-of-Way Division	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	21		Code Compliance and Public Works – Right-of-Way Division	
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	19	Search Complaints Report	Code Compliance and Miami-Dade County RER	
	Year 1 ONLY: Attach the written proactive inspection program plan				
	Annually review (and revise, as needed) and implement the permittee's written procedures to conduct reactive investigations to identify and eliminate the source(s) of illicit discharges, illicit connections or improper disposal to the MS4, based on reports received from permittee personnel, contractors, citizens, or other entities regarding suspected illicit activity. Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County. *<u>DEP Note:</u> If the number of reports received differs from the number of reactive investigations, please provide an explanation for the discrepancy in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.*				
	Reports of suspected illicit connections / discharges / dumping received	234	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports	Code Compliance and Public Works – Right-of-Way Division	

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**			**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping			234	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports		
	Illicit discharges / connections / dumping found during a reactive investigation			234	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports		
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation			234	Search Complaints Report, NPDES Tracker – SW Inspections, and Web Q&A Service Request Reports		
	Fines issued for illicit discharges / connections / dumping found during a reactive investigation			179	Search Complaints Report	Code Compliance and Miami-Dade County RER	
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, fleet maintenance staff, and inspectors) and contractors to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges / connections / dumping to the MS4. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained*.						
		Initial Training	**Refresher Training**				
	Personnel trained	9	0		NPDES Tracker – Training Log	Public Works – Environmental Division	
	Contractors trained	0	0				The City does not utilize contractors to inspect the MS4.
Part III.A.7.d	**Illicit Discharges and Improper Disposal — Spill Prevention and Response**						
	Annually review (and revise, as needed) and implement the permittee's written spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that discharge into the MS4. Report on the spill prevention and response activities, including the number of spills addressed. If a permittee relies on the Miami-Dade County Fire Department to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary						

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	annual report information from the County. *DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills.*						
	Hazardous and non-hazardous material spills responded to					Fire Department	The City's Fire Department is still in the process of compiling this information for Year 1.
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained*.						
		Initial Training	**Refresher Training**				
	Personnel trained						The City's Fire Department is still in the process of compiling this information for Year 1.
	Contractors trained	0	0		N/A	N/A	The City does not utilize contractors to respond to hazardous spills.
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**						
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. If a permittee relies on the 24-Hour Miami-Dade County hotline as its telephone line for citizen reporting, the permittee shall publicize the existence of the 24-Hour Miami-Dade County pollution complaint hotline number on a routine basis. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. If the permittee relies*						

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	on the 24-Hour Miami-Dade County hotline, the reporting item of "Publicize the Miami-Dade County Pollution Complaint Hotline" must also remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed. *DEP Note: Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.*				
	Estimated percentage of the population reached by the activities in total	50%		Public Works – Environmental Division / Communications Department	This estimate takes into consideration that the City's outreach and education activities extend to residents, local visitors and national/internati onal tourists.
	Neighborhood presentations: Number conducted	1	NPDES Tracker – Public Reporting, Env Events	Public Works – Environmental Division / UF Extension Office	
	Neighborhood presentations: Number of participants	50			
	Newspapers & newsletters: Number of articles/notices published	65,000 Quarterly	NPDES Tracker – Public Reporting	Communications Department	MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
	Newsletters: Number of newsletters distributed	155,000 Readers Quarterly			
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1		Public Works – Environmental Division	Pollution Prevention Board is used at all Environmental Division Related Events
	Radio or television Public Service Announcements (PSAs)	4		Communications Department	4 PSAs - each airing approximately 5 times per day
	Seminars/Workshops: Number conducted	2		Public Works – Environmental Division	
	Seminars/Workshops: Number of participants				The City will

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					begin to track the number of participants in all public outreach events.
	Special events: Number conducted	5	NPDES Tracker – Public Reporting	Public Works – Environmental Division	
	Special events: Number of participants				The City will begin to track the number of participants in all public outreach events.
	Web Site: Number of visitors to the stormwater-related pages	8,864	NPDES Tracker – Public Reporting	Public Works – Environmental Division and Sanitation Division	
Part III.A.7.f	**Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control**				
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage the proper use and disposal of used motor vehicle fluids, leftover hazardous household products, and lead acid batteries. On a routine basis, inform the public of the locations of collection facilities for these materials, including a description of the types of materials accepted and the hours of operation. Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting items of "Estimated percentage of the population reached by the activities in total" and "Publicize the Miami-Dade County Home Chemical Collection Program" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *DEP Note: Miami-Dade County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Miami-Dade County). The co-permittees are to report just the public education and outreach activities that they performed.*				
	Estimated percentage of the population reached by the activities in total	50%		Public Works – Environmental Division / Communications Department	This estimate takes into consideration that the City's outreach and education activities extend to residents,

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					local visitors and national/internati onal tourists.
	Publicize the Miami-Dade County Home Chemical Collection Program	747			The City only publicizes this program through the Public Works – Sanitation Division Hazardous Waste website, which logged 747 views in this reporting year.
	Neighborhood presentations: Number conducted	1	NPDES Tracker – Public Reporting	Public Works – Environmental Division / UF Extension Office	
	Neighborhood presentations: Number of participants	50			
	Newspapers & newsletters: Number of articles/notices published	65,000 Quarterly	NPDES Tracker – Public Reporting	Communications Department	MB Magazine is produced quarterly. It is estimated that the publication reaches 155,000 readers.
	Newsletters: Number of newsletters distributed	155,000 Readers Quarterly			
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	NPDES Tracker – Public Reporting	Public Works – Environmental Division	Pollution Prevention Board is used at all Environmental Division Related Events
	Radio or television Public Service Announcements (PSAs)	4			4 PSAs - each airing approximately 5 times per day
	Seminars/Workshops: Number conducted	2	NPDES Tracker – Public Reporting	Public Works – Environmental Division	
	Seminars/Workshops: Number of participants				The City will begin to track the number of participants in all

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					public outreach events.
	Special events: Number conducted	5	NPDES Tracker – Public Reporting	Public Works – Environmental Division	
	Special events: Number of participants				The City will begin to track the number of participants in all public outreach events.
	Web Site: Number of visitors to the stormwater-related pages	8,864	NPDES Tracker – Public Reporting	Public Works – Environmental Division and Sanitation Division	
Part III.A.7.g	**Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage**				
	Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate sanitary wastewater contamination into the MS4, including discharges to the MS4 from sanitary sewer overflows (SSOs) and from inflow / infiltration from collection / transmission systems and/or septic tank systems. Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in the MS4. Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. *DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting / overseeing septic tank systems.* *DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.*				
	SSO incidents discovered	0	Sanitary Sewer Overflows Discovered and Resolved, per Commission District	Miami-Dade County WASD	
	SSO incidents resolved	0			
	Inflow / infiltration incidents discovered	12	Web Q&A Service Request Reports	Public Works – Operations Division	
	Inflow / infiltration incidents resolved	12			
	Name of owner of the sanitary sewer system	Miami-Dade County WASD			
Part III.A.8.a	**Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections**				
	Continue to maintain an up-to-date inventory of all existing high risk facilities discharging into the permittee's MS4. The inventory shall identify the outfall and surface water body into which each high risk facility discharges. For the purposes of this permit, high risk facilities include: • Operating municipal landfills; • Hazardous waste treatment, storage, disposal and recovery facilities;				

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- Facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and
- Any other industrial or commercial discharge that the permittee determines is contributing a substantial pollutant loading to the permittee's MS4. This could include facilities identified through the proactive inspection program as per Part III.A.7.c of the permit.

Report on the high risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.

DEP Note: The TRI is updated every spring / summer by the U.S. EPA at www.epa.gov/triexplorer. Select "Facility" on the left, chose your Geographic Location, and then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.

DEP Note: The total number of high risk facilities reported needs to equal the sum of the numbers of the four types of applicable facilities.

During Year 1 of the permit, develop and implement a written plan for conducting inspections of high risk facilities to determine compliance with all appropriate aspects of the stormwater program. While the permittee may determine the order and frequency of the inspections, the permittee shall inspect each identified facility at least once during the permit term; however, facilities identified as high risk due to the findings of the proactive inspection program as per Part III.A.7.c of the permit shall be inspected annually. Report on the high risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County.

DEP Note: If "0" is reported for the number of inspections conducted and the permittee has one or more high risk facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.

DEP Note: Miami-Dade County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Miami-Dade County – the inventory of high risk facilities located in the co-permittees' jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the unincorporated areas of Miami-Dade County – any high risk facility inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Miami-Dade County that pertains to its jurisdiction.

	Number of Facilities	Number of Inspections	For violations discovered during a high risk inspection				
			Fines issued	Notices of Violation (NOVs) / warning letters / citations issued			
Total high risk facilities	**0**					Miami-Dade County RER	There are no high risk facilities in the City of Miami Beach as of December 2012.
New high risk facilities added to the inventory during the current reporting period	**0**						
Operating municipal landfills	**0**						
Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	**0**						
EPCRA Title III, Section 313 facilities (that are	**0**						

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	not landfills or HWTSDR facilities)				
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c — **0**				
	Other facilities determined as high risk by the permittee (that are not facilities identified through the proactive inspections) — **0**				
Part III.A.8.b	**Industrial and High-Risk Runoff — Monitoring for High Risk Industries**				
	Sampling of the discharge to the stormwater system may be required on an as-needed basis in the event that inspections of high-risk facilities disclose suspected illicit discharges to the MS4. New high-risk industrial facilities as defined in 40 CFR 122.26(d)(2)(iv)(C) must be evaluated to determine if the new discharge is contributing a substantial pollutant load to the MS4. The evaluation may include site-specific monitoring. Report the number of high risk facilities sampled. If a permittee relies on Miami-Dade County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Miami-Dade County shall make available) the necessary annual report information from the County. *DEP Note: Miami-Dade County is to report ONLY the number of high risk facilities in the unincorporated areas of Miami-Dade County that were sampled – the high risk facilities located in the co-permittees' jurisdictions that were sampled by the County are to be reported by the co-permittees.*				
	High risk facilities sampled	N/A		Miami-Dade County RER	There are no high risk facilities in the City of Miami Beach as of December 2012.
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**				
	Continue to implement the local codes or land development regulations and the written pre-construction site plan review procedures that require the use and maintenance of appropriate structural and non-structural erosion and sedimentation controls during construction to reduce the discharge of pollutants to the MS4. Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.*				
	PERMITTEE SITES: Construction site plans reviewed	167	NPDES Tracker – Plan Review	Public Works – Engineering Division	
	PERMITTEE SITES: Construction site plans approved	82			
	PRIVATE SITES: Construction site plans reviewed	9,718	Completed Review Time Report for Public Works by Reviewer from Building Department		Tracking does not distinguish between reviewed and approved.
	PRIVATE SITES: Construction site plans approved	9,718			
	Annually review (and revise, as needed) and implement the permittee's written procedures to notify all new development / redevelopment permit applicants of the need to obtain all required stormwater permits. Report the number of new development/redevelopment permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. If the number of applicants notified of ERP or CGP coverage is less than the*				

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	number of construction site plans reviewed, please provide an explanation for the discrepancy in Column F.				
	Notified of ERP stormwater permit requirements				The Public Works – Engineering Division staff notifies all applicable projects of ERP and CGP requirements. However, implementation of notification and coverage confirmation and tracking are still in development.
	Confirmed ERP coverage				
	Notified of CGP stormwater permit requirements				
	Confirmed CGP coverage				
Part III.A.9.b	**Construction Site Runoff — Inspection and Enforcement**				
	As an attachment to the Year 1 Annual Report, the permittee shall submit a written plan that details the standard operating procedures for implementation of the stormwater, erosion and sedimentation inspection program for construction sites discharging stormwater to the MS4. The permittee shall implement the plan for inspecting construction sites immediately upon written approval by the Department. Prior to Department approval, the permittee shall continue to perform inspections in accordance with its previously developed construction site inspection procedures. Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken. *DEP Note: If "0" is reported in Column C for the number of inspections conducted, please provide an explanation in Column F of why no inspections were conducted. If the number of inspections reported is equal to or less than the number of active construction sites, or the percentage inspected is less than 100%, please provide an explanation in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	PERMITTEE SITES: Active construction sites	15	NPDES Tracker – Construction Sites	Public Works – Right-of-Way Division / CIP Department	
	PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	Daily	Public Works – Engineering Division Standard Operating Procedure		
	PERMITTEE SITES: Percentage of active construction sites inspected	100%			
	PRIVATE SITES: Active construction sites	Unknown		Public Works – Right-of-Way	The City is in the process of

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
				Division	developing a new SOP to accurately track active construction sites.
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	17	Private Run-off Activities / Projects / Developments Records		The Public Works – Engineering Division staff conducts private site inspections only on a reactive basis.
	PRIVATE SITES: Percentage of active construction sites inspected	Unknown			The City is in the process of developing a new SOP to accurately track active construction sites.
	Notices of Violation (NOVs) / warning letters / citations issued	27	Private Run-off Activities / Projects / Developments Records & NPDES Tracker – Construction Sites		10 for permittee sites and 17 for reactive inspections of private sites
	Stop Work Orders issued	0		Building Department / Code Compliance	
	Fines issued	0			
	Year 1 ONLY: Attach the written construction site inspection program plan		Public Works Accreditation File – Construction Inspection	Public Works – Engineering Division	
Part III.A.9.c	**Construction Site Runoff — Site Operator Training**				
	During Year 1 of the permit, develop and implement a written plan for stormwater training / outreach for construction site plan reviewers, site inspectors and site operators. Provide training for permittee personnel (employed by or under contract with the permittee) involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. Also provide training for private construction site operators. All permittee inspectors (employed by or under contract with the permittee) of construction sites shall be certified through the Florida Stormwater, Erosion and Sedimentation Control Inspector Training program, or an equivalent program approved by the Department. Refresher training shall be provided annually. Report the type of training activities, the number of inspectors, site plan reviewers				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	and site operators trained (both in-house and outside training), and the number of private construction site operators trained by the permittee. *DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private construction site operators during the applicable reporting year.* *DEP Note: The permittee should report only the number of staff and private construction site operators trained / certified during the applicable reporting year, and then note in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.*				
	Certification Training / **Initial Training (non-certification)** / **Refresher Training**				
	Permittee construction site inspectors: 0 / 1 / 0		NPDES Tracker – Training	Miami-Dade County RER	
	Permittee construction site plan reviewers: 0 / 7 / 0		NPDES Tracker – Training	Miami-Dade County RER and CDM University	The Public Works – Engineering Division staff that was trained are both plan reviewers and project managers.
	Permittee construction site operators: 0 / 7 / 0		NPDES Tracker – Training	Miami-Dade County RER and CDM University	
	Private construction site operators: 0 / 0				The City did not provide a training program for contractors this reporting year.

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

A.	Permit Citation/ SWMP Element	**Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
		A written plan did not previously exist for proactive illicit discharge / connections / dumping inspections. As such, a new written plan was developed
		within this reporting year and is attached for your review and approval. No changes are proposed to the plan for inspections of construction sites.

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)		
B.	**Permit Citation/ SWMP Element**	**Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*

CHECKLIST A: ATTACHMENTS TO BE SUBMITTED WITH THE ANNUAL REPORTS

Below is a list of items required by the permit that may need to be attached to the annual report. Please check the appropriate box to indicate whether the item is attached or is not applicable for the current reporting period. Please provide the number and the title of the attachments in the blanks provided.

Attached	N/A	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
☐	☒	Part II.F	**EACH ANNUAL REPORT:** If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.		
☐	☒	Part III.A.1	**EACH ANNUAL REPORT:** An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.		
☐	☒	Part III.A.4	**EACH ANNUAL REPORT:** A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not, if applicable.		
☐	☒	Part III.A.7.a	**EACH ANNUAL REPORT:** A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		
☐	☒	Part V.B.9	**EACH ANNUAL REPORT:** Reporting and assessment of monitoring results. **[Also addressed in Section III of the Annual Report Form]**	1	Surface Water Quality Discussion and Analysis
☒	☐	Part VI.B.2	**EACH ANNUAL REPORT:** An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, at a minimum, must include responses to the questions listed in the permit.	2	Evaluation of the SWMP
☐	☒	Part VIII.B.3.e	**EACH ANNUAL REPORT:** A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern.		
☐	☒	Part VIII.B.4.f	**EACH ANNUAL REPORT after approval of the BPCP:** The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
☒	☐	Part III.A.1	**YEAR 1:** An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).	3	City of Miami Beach: Major Outfall Map and City of Miami Beach: Major Outfall Inventory
☐	☒	Part III.A.3	**YEAR 1:** If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned.		
☐	☒	Part III.A.6	**YEAR 1 or YEAR 2:** A copy of the adopted Florida-friendly Ordinance, if applicable.		
☒	☐	Part III.A.7.c	**YEAR 1:** A proactive illicit discharge / connection / dumping inspection program plan.	4	City of Miami Beach Illicit Discharge and Improper Disposal Proactive Inspections SOP
☒	☐	Part III.A.9.b	**YEAR 1:** A construction site inspection program plan. **[For approval by DEP]**	5	Public Works Accreditation File – Construction Inspection
☐	☒	Part III.A.2	**YEAR 2:** A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.		
☐	☒	Part V.A.2	**YEAR 3:** Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.		
☐	☒	Part III.A.2	**YEAR 4:** A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment.		
☐	☒	Part V.A.3	**YEAR 4:** If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.		
☐	☒	Part V.B.3	**YEAR 4:** The monitoring plan (with revisions, if applicable).		
☐	☒	Part VII.C	**YEAR 4:** An application to renew the permit.		

☐	☒	Part VIII.B.3.d	**YEAR 4:** A TMDL Implementation Plan / Supplemental SWMP.		

CHECKLIST B: THE REQUIRED ANNUAL REVIEWS OF WRITTEN STANDARD OPERATING PROCEDURES (SOPs) & PLANS

The permit requires annual review, and revision if needed, of written Standard Operating Procedures (SOPs) and plans (e.g., public education and outreach, training, inspections). Please indicate your review status below. **If you have made revisions that need DEP approval, you must complete Section VIII.A of the annual report.**

Did not complete review of existing SOP / Plan	Developed new written SOP / Plan	Reviewed & no revision needed to existing SOP / Plan	Reviewed & revised existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
☐	☐	☒	☐	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
☐	☐	☒	☐	Part III.A.2	SOP for development project review and permitting procedures and/or local codes and regulations for new development / areas of significant development.
☐	☐	☒	☐	Part III.A.3	SOP for the litter control program.
☐	☐	☐	☒	Part III.A.3	SOP for the street sweeping program.
☐	☐	☒	☐	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
☐	☐	☒	☐	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
☐	☐	☒	☐	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
☐	☐	☒	☐	Part III.A.6	SOP for reducing the use of pesticides, herbicides and fertilizer, and for the proper application, storage and mixing of these products.
☐	☒	☐	☐	**Part III.A.7.c**	**Plan for proactive illicit discharge / connections / dumping inspections.***
☐	☐	☒	☐	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
☐	☐	☒	☐	Part III.A.7.c	Plan for illicit discharge training.
☐	☐	☒	☐	Part III.A.7.d	SOP for spill prevention and response efforts.
☐	☐	☒	☐	Part III.A.7.d	Plan for spill prevention and response training.
☐	☐	☒	☐	Part III.A.7.e	Plan for public education and outreach on how to identify and report the illicit discharges and improper disposal to the MS4.
☐	☐	☒	☐	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
☐	☐	☒	☐	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
☐	☐	☒	☐	Part III.A.8	SOP for inspections of high risk industrial facilities.
☐	☐	☒	☐	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
☐	☐	☒	☐	**Part III.A.9.b**	**Plan for inspections of construction sites.***
☐	☐	☒	☐	Part III.A.9.c	Plan for stormwater, erosion and sedimentation BMPs training.

*** Revisions to these plans require DEP approval – please complete Section VIII.A of the annual report.**

REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED SEPARATELY FROM AN ANNUAL REPORT		
Rule / Permit Citation	**Report Title**	**Due Date**
Part VIII.B.3.a	**6 MONTHS from effective date of permit:** TMDL Prioritization Report.	12/21/11
Part VIII.B.3.b	**12 MONTHS from effective date of permit:** TMDL Monitoring and Assessment Plan.	6/21/12
Part VIII.B.3.c	**6 MONTHS from receiving analyses from the lab:** TMDL Monitoring Report.	TBD
Part VIII.B.4	**30 MONTHS from effective date of permit:** A Bacterial Pollution Control Plan (BPCP).	12/21/13

END OF REVISED TAILORED MS4 AR FORM
CYCLE 3 PERMIT

Surface Water Quality Discussion and Analysis
June 21, 2011 to June 20, 2012
Part V. B. of the NPDES MS4 permit #FLS000003- 003, issued to Miami-Dade County and the associated Co-Permittees

INTRODUCTION

The monitoring described herein is a specific condition of the above cited permit, and, is presented on behalf of the County and the thirty (33) co-permittees.

Financing for the program is provided by the thirty-four (34) co-permittees. An Interlocal Agreement was executed in 1994 and amended in 1998 to implement the cost sharing of the monitoring program. This agreement was renewed in 2000, and more recently in September 2007. A new inter-local agreement is in the process of renewal, awaiting the Mayor's Signature, to be finalized, as of December 19, 2012.

WATER QUALITY SAMPLING ACTIVITIES

The sampling activities follow the provisions of the monitoring program described in the supplement to the Part 2 Application, submitted to EPA Region IV on April 28, 1995 by the Water Management Division of RER (formerly DERM). Additionally, sampling activities also follow the provisions of the Memorandum of Understanding (MOU) issued by the EPA Region 4, subsequent to a meeting on January 29, 1997, held at DERM (See Attachment A from 1996-97 NPDES Report).

Surface water quality sampling for the 20011/12 permit year, was conducted on monthly basis between July 6, 2010 and June 4, 2012.

The program was updated and optimized in December 2009. The purpose of this optimization process was to evaluate the spatial distribution and parameterization of the Biscayne Bay related stations of the BBSWQ, and associated NPDES sampling networks. The density, spatial arrangement and parameterization of the Biscayne Bay stations were reviewed to optimize the temporal and spatial resolution of the surface water monitoring network. The revisions were approved By FDEP in January 2010, and the current version of the monitoring network has implemented since this date.

The NPDES monitoring program is a component of the County-wide integrated surface-water monitoring program. A total of one-hundred-and-five (105) stations were identified County-wide to meet the requirements of the NPDES monitoring program (Figure 1).

Figure 1.


Biscayne Bay Water Quality Stations
within Water Body ID
3226J
3226L
3226G3
8093E
8093D
3226H1
3284
3283
3226K
8093C
8093
3226HB
3286A
3285
3226M2
8093B
3226H2
8093A
3286
3287
3226M1
8092D
3290
3226H
8092C
8092
3288
3288A
8092B
3286B
3286C
8092A
3226H3
3292
3292A
3291
6001B
3293
3288B
8091D
3226H4
8091C
8091
3295A
3294
6001A
8091B
8091A
3295
3293B
3297
3296
3300
3298
8090
3301
3298A
6001
3302
3298B1
3304
3303A
3305
3298B2
3306
8089
3307
3303
6001C
8088
3303B
3303B1
6002A
Legend
GROUP_4
bbwqsta
Shoreline
Highways
canals_2011
0 2 4 8
Miles
N
W
E
S

These stations include both fresh water canal and estuarine sites within Biscayne Bay and its tributaries. Thirty-one (31) of the stations are located in internal fresh water canals, across eighteen (18) drainage basins. The remaining twenty-two (22) stations are estuarine sites located at discharge points of the canals into Biscayne Bay, and within the bay itself. The matrix showing the sample collection and frequency at each site is presented in Attachment 1.

SAMPLE COLLECTION

All surface water were "grab" samples using either the sample container (bacteriological samples), a 'Niskin' bottle grab sampler (fresh water canal samples), or a peristaltic pump (estuarine/bay water samples). Samples were collected one-half (0.5) meter below the water surface except bacteriological samples which were collected at the surface. Samples were collected in (direct sample container) or transferred to (Niksin and peristaltic pump collections) pre-labeled containers for transport to the laboratory. Physical parameters (i.e., temperature, salinity, specific conductance, pH and dissolved oxygen were measured with YSI multi-parameter meter. All readings were 'stored' on YSI data loggers, as well as recorded on field sheets. Physical parameters were measured at three depths (bottom, one-half meter below the surface, and at the surface) at stations with greater than 1 meter water depth, and at two depths (surface and bottom) at stations with water depth less than 1 meter. All meters were calibrated as per the requirements of the manufacture and the FDEP Standard Operating Procedures for Field Activities (FDEP SOP 001/01).

SAMPLE ANALYSIS

Sample results were analyzed for parameters of interest as specified in the Table 2 of the Guidance for Preparing Monitoring Plans as Required for Phase I Municipal Separate Storm Sewer Systems (MS4) Permits (Attachment 2). The samples were analyzed by one of the following laboratories: Miami-Dade Department of Regulatory and Economic Resources - Environmental Resources Management (DERM), Xenco laboratories Inc, and/or Florida-Spectrum Environmental Services, Inc. All laboratories maintained NELAC certification for the specific parameters they analyzed.

ANALYSES AND REPORTING

For those sample results where the analyte (parameter) being assessed was not detected (i.e., concentration was less than the analytical Method Detection Limit (MDL), the samples were designated as being "Below Detection Limit" (BDL), and qualified with a "U" in the associated 'Laboratory Qualifier" column. It is not possible to know the actual concentration of such samples; however, it is desirable and necessary to account for these samples in statistical summaries and comparisons. Therefore, for statistical purposes, analytical results that were qualified with a "U" (i.e., "BDL"), were assigned a value equal to one-half (1/2) the analyte's MDL when included in statistical summaries and comparisons. This convention is similar to that noted in Chapter 62-302 of the Florida Administrative Code (FAC 62-302) for assigning numerical values to sample results that are BDL.

To determine if a compliance of a water body with the established criteria (excepting nutrient with numeric criteria and Chlorophyll-a), the sample results were evaluated according to the State's Impaired Waters Rule's (Chapter 62-303, F.A.C.) Support Documentation for Statistical Listing/Delisting Procedure, Table 3 (number of exceedances for placing WIBDs on the "Verified List" of impaired waters. http://www.dep.state.fl.us/water/watersheds/assessment/iwr.htm; thus, an assessment period of the past 7.5 years was used.

All sample results within a WBID meeting the spatial and temporal requirements for 'distinct' samples, were pooled, and the number of samples not meeting an applicable water quality criterion was calculated. With the total number of samples the parameter being evaluated, the number of exceedences was compared to the maximum allowable number in Table 2 below (from 62-303 FAC) to determine compliance of the WIBD with the water quality criteria. (Attachment 3).

For nutrients with numeric criteria (62-302.532 FAC), the evaluation followed the protocol as noted in the section of the FAC. At the present time, only estuarine and coastal waters have designated numeric nutrient criteria. The FAC provides a criterion as an 'Annual Geometric Mean (AGM) which will not be exceeded more than once in a 3-year period. Thus, the last three years of nutrient data were used to calculate the AGM. Each AGM was compared with the criteria to determine if it exceeded the criterion. If the criterion was not exceeded more than once in the most recent past 3-year period the WBID was deemed 'In compliance', and deemed 'Not in compliance if the criterion was exceeded more than once in the 3-year period.

The evaluation for this report employs the above protocol for parameters that have criteria established in the State's water quality Criteria (62-302.530, 62-302-531, and 62-302.532 FAC) and County Surface Water Quality Standards (Municipal Code of Miami-Dade County, Chapter 24-42(4)), Environmental Protection.

It should be noted that these evaluations are not meant to imply a designation of impairment on these water bodies, rather, only as a note of the present condition of the waterway, which can be used for management considerations within the WIBD and watershed in general. Complete assessment of possible WIBD impairment is conducted by the state as part of their Total Maximum Daily Load program. "Table 2" (62-303 FAC) provides for sample sizes from 20 to 500. For sample sizes larger than 500, the number of exceedances for the specific sample size was estimated based on a power regression (r_2=0.962) of the sample sizes versus the minimum number of exceedances required for 'listing'. Parameters with less than the minimum stated sample size (i.e., parameters sampled on an annual or semi-annual basis), were not evaluated with this method.

Estuary-specific numeric interpretations of State of Florida numeric nutrient criteria (62-302.530(47)(b), F.A.C.), are in Table 3 below. The criterion is given as an Annual Geometric Mean, and the rule states that the annual geometric mean can not be exceeded more than once in a give 3-year period.

Table 3.

Estuary	Total Phosphorus	Total Nitrogen	Chlorophyll *a*
(h) **Biscayne Bay**	Annual geometric means that shall not be exceeded more than once in a three year period		
1. Card Sound	0.008 mg/L	0.33 mg/L	0.5 µg/L
2. Manatee Bay – Barnes Sound	0.007 mg/L	0.58 mg/L	0.4 µg/L
3. North Central Inshore	0.007 mg/L	0.31 mg/L	0.5 µg/L
4. North Central Outer-Bay	0.008 mg/L	0.28 mg/L	0.7 µg/L
5. Northern North Bay	0.012 mg/L	0.30 mg/L	1.7 µg/L
6. South Central Inshore	0.007 mg/L	0.48 mg/L	0.4 µg/L
7. South Central Mid-Bay	0.007 mg/L	0.35 mg/L	0.2 µg/L
8. South Central Outer-Bay	0.006 mg/L	0.24 mg/L	0.2 µg/L
9. Southern North Bay	0.010 mg/L	0.29 mg/L	1.1 µg/L

For other parameters specific numeric criteria do not exist, but rather the state requires that the sample needs to be no more than a certain amount above "background", below background in the case of Dissolved Oxygen, or within a given range for pH. For these parameters the WBID median value over the period of record was used as the background value.

For certain parameters (i.e. Silver and Beryllium), the MDL was higher than the State and or County Standard and thus, an absolute determination of compliance could was not possible.

The Impaired Waters Rule (62-303.320(9)(b) FAC) provides that when a parameter has a Method Detection Limit higher than the state's criterion, all analytical results reported as BDL are presumed to be compliant with the criterion.

IWR Based Assessment:

The Table 4 lists the water bodies that are candidates for not meeting their designated use, based on the statistical evaluation provided in the IWR (62-303 FAC). It should be noted that 'listing' of the WBID below does not equate to a future designation of 'impaired'.

Note that the Actual Table 4, "impairment" and listing on the State's 'Verified Impaired' list, is done through the State' Total Maximum Daily Load program, on a 5-year cycle of assessment. The listing of the WIBDs in the above table does, however, indicate that the WIBD is not meeting the state water quality criteria for the specified parameter, and requires additional investigation. It should be noted that some 'parameters' such as Dissolved Oxygen and Chlorophyll-a, are considered "response" parameters, wherein their non-compliance is a result of a causal factor (i.e., excessive nutrients for Chlorophyll-a; high BOD, or other oxygen depleting constituents for Dissolved Oxygen).

Table 4 - Water Bodies that are candidates for not meeting their designated use

WBID	SFWMD Canal Name	Local Name	Parameter	# of Samples not Meeting Criterion	Total Number of Samples	Percentage of Samples not Meeting Criterion
AC_3226H		**Arch Creek**	Dissolved Oxygen	211	558	37.81
AC_3226H		**Arch Creek**	Fecal Coliform	67	234	28.63
AR_3303B	**C111**	**Aerojet Canal**	Dissolved Oxygen	60	445	13.48
BL_3297	**C1**	**Black Creek**	Dissolved Oxygen	216	458	47.16
BS/C8_3285	**C8**	**Biscayne Canal**	Dissolved Oxygen	97	445	21.80
BS/C8_3285	**C8**	**Biscayne Canal**	Specific Conductivity	89	533	16.70
C4_3286	**C4**	**Tamiami Canal**	Dissolved Oxygen	370	881	42.00
C6_3286A	**C6**	**Miami River**	Dissolved Oxygen	149	207	71.98
C6_3288	**C6**	**Miami River**	Dissolved Oxygen	464	1226	37.85
C6_3288B	**C6**	**Miami River**	Dissolved Oxygen	40	308	12.99
C6_3290	**C6**	**Miami River**	Dissolved Oxygen	76	229	33.19
CD_C100	**C100**	**Cutler Drain**	Dissolved Oxygen	168	823	20.41
FC_3306		**Florida City Canal**	Dissolved Oxygen	106	444	23.87
Gables_C3	**C3**	**Coral Gables Canal**	Dissolved Oxygen	96	227	42.29
GL_3298A		**Goulds Canal**	Specific Conductivity	35	270	12.96
LR_3287	**C7**	**Little River**	Dissolved Oxygen	505	902	55.99
LR_3287	**C7**	**Little River**	Fecal Coliform	52	341	15.25
MI_3304		**Military Canal**	Specific Conductivity	121	540	22.41
MW_3302	**C103**	**Mowry Canal**	Dissolved Oxygen	141	694	20.32
MW_3302	**C103**	**Mowry Canal**	Specific Conductivity	89	814	10.93
NO_3305		**North Canal**	Dissolved Oxygen	70	238	29.41
OL_3226L		**Oleta River**	Dissolved Oxygen	66	137	48.18
OL_3226L		**Oleta River**	Fecal Coliform	22	90	24.44
PR_3300	**C102**	**Princeton Canal**	Dissolved Oxygen	266	683	38.95
SK/C9_3283	**C9**	**Snake Creek**	Dissolved Oxygen	131	233	56.22
SP_3293	**C2**	**Snapper Creek**	Dissolved Oxygen	235	455	51.65
WC_3288A		**Wagner Creek**	Copper	8	25	32
WC_3288A		**Wagner Creek**	Dissolved Oxygen	349	542	64.39
WC_3288A		**Wagner Creek**	Fecal Coliform	144	267	53.93

If a 'causal' factor cannot be identified, the WIBD will be listed on the "303-4D" list (303-4D list is for waterbodies that do not meet applicable criteria, but no causal pollutant can be identified; therefore a TMDL will not be developed at this time.).

Thirteen parameters with established State criteria are monitored within 32 WIBDs which yielded a total of 344 assessments of the parameters against established criteria (all 13 parameters are not collected in every water body). A total of 29 (8.4%) of the assessments were identified as not in compliance with their associated criteria. Dissolved Oxygen accounted for 20of the instances of non-compliance, while, 4 instances of Fecal Coliforms, 4 instances of Specific Conductance 4 (each), and 1 of Copper occurred. For each parameter presents maps of the WBID's that are impaired. The last map shows a color gradient map for each WBID where the shading represents the number of parameters that are impaired for a given WBID.

Nutrient-Chlorophyll Estuary Assessment:

Chlorophyll a failed to meet the criteria in 11 comparisons of the estuaries throughout Biscayne Bay (Table 5). In 2008 the geometric mean exceeded the Total Nitrogen criterion in 2 inshore estuaries in Southern Biscayne Bay and in 2006 the geometric mean exceeded the Total Phosphorus criterion in one estuary.

Table 5.

		Chlorophyll A (ug/l)* (As Annual Geometric Mean)			
Region ID	Region Name	Criterion (62-302.532 F.A.C)	2010	2011	2012
NNB	Northern North Bay	1.7	1.79	1.645	1.192
SNB	Southern North Bay	1.1	1.298	1.175	0.894
NCI	North Central Inshore	0.5	0.62	0.498	0.384
NCO	North Central Outer Bay	0.7	0.682	0.508	0.465
SCI	South Central Inshore	0.4	0.653	0.694	0.568
SCM	South Central Mid Bay	0.2	0.347	0.298	0.212
SCO	South Central Outer- Bay	0.2	0.313	0.226	0.163
CS	Card Sound	0.5	0.472	0.335	0.322
MBS	Manatee Bay – Barnes Sound	0.4	0.684	0.687	0.684

*Compliance= Geometric Mean does not exceed criterion more than once in a consecutive three year period.

The maps in figures 2, 3, and 4 show Estuarine Nutrient regions that meet or fail the criteria for Chlorophyll a, Total Nitrogen, and Total Phosphorus respectively.

Figure 2.

Numeric Nutrient Assessment for Regions of Biscayne Bay Chlorophyll a

Region ID	Region Name	Chlorophyll A (ug/l)* (As Annual Geometric Mean) Criterion (62-302.532 F.A.C)	2010	2011	2012
NNB	Northern North Bay	1.7	1.79	1.645	1.192
SNB	Southern North Bay	1.1	1.298	1.175	0.894
NCI	North Central Inshore	0.5	0.62	0.498	0.384
NCO	North Central Outer Bay	0.7	0.682	0.508	0.465
SCI	South Central Inshore	0.4	0.653	0.694	0.568
SCM	South Central Mid Bay	0.2	0.347	0.298	0.212
SCO	South Central Outer- Bay	0.2	0.313	0.226	0.163
CS	Card Sound	0.5	0.472	0.335	0.322
MBS	Manatee Bay – Barnes Sound	0.4	0.684	0.687	0.684

*Compliance= Geometric Mean does not exceed criterion more than once in a consecutive three year period.

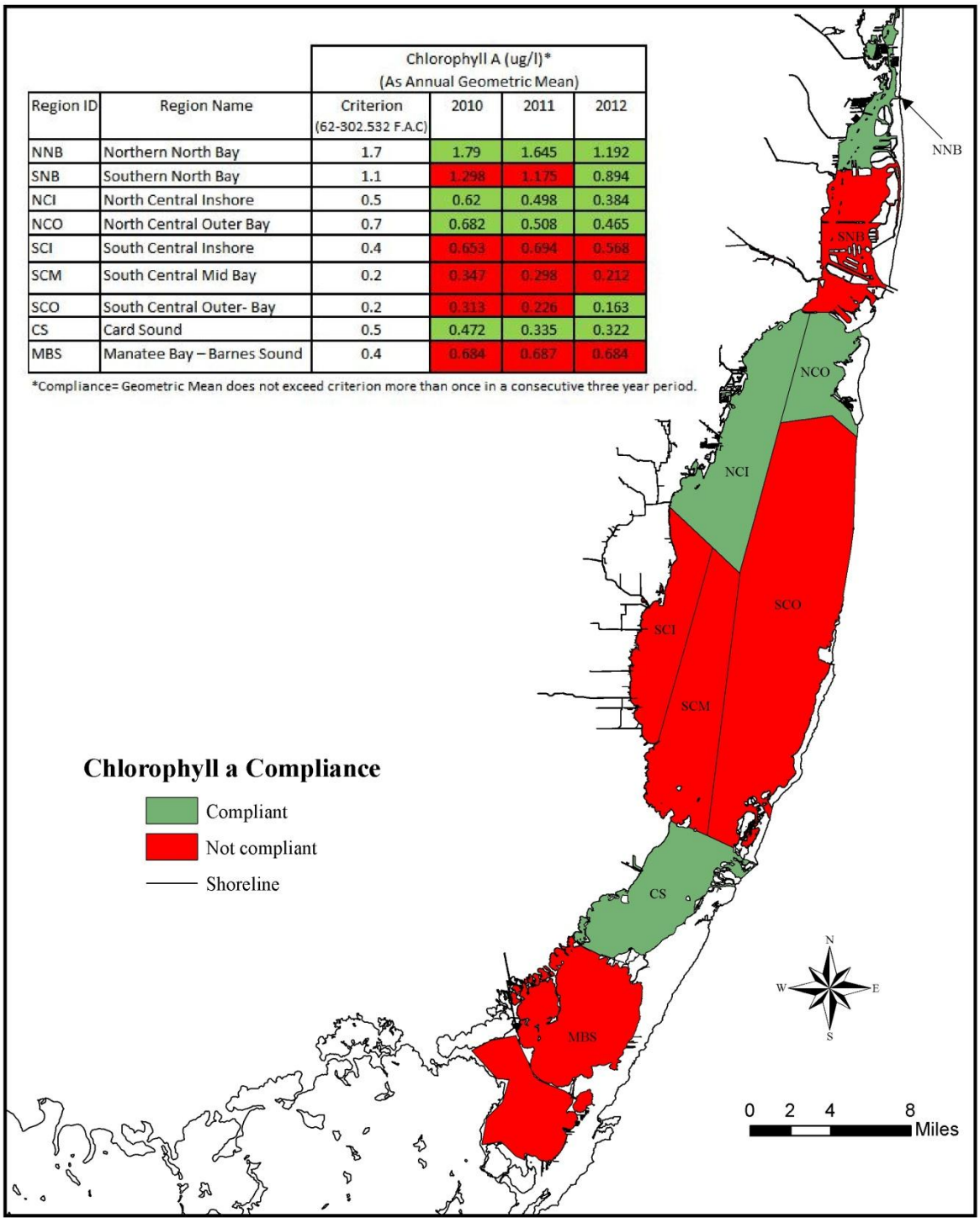


Figure 3.

Numeric Nutrient Assessment for Regions of Biscayne Bay
Total Nitrogen

Region ID	Region Name	Total Nitrogen (mg/l)* (As Annual Geometric Mean) Criterion (62-302.532 F.A.C)	2010	2011	2012
NNB	Northern North Bay	0.3	0.103	0.106	0.19
SNB	Southern North Bay	0.29	0.088	0.094	0.131
NCI	North Central Inshore	0.31	0.117	0.161	0.111
NCO	North Central Outer Bay	0.28	0.049	0.106	0.096
SCI	South Central Inshore	0.48	0.387	0.301	0.403
SCM	South Central Mid Bay	0.35	0.087	0.126	0.131
SCO	South Central Outer- Bay	0.24	0.057	0.097	0.1
CS	Card Sound	0.33	0.071	0.143	0.095
MBS	Manatee Bay – Barnes Sound	0.58	0.267	0.263	0.246

*Compliance= Geometric Mean does not exceed criterion more than once in a consecutive three year period.

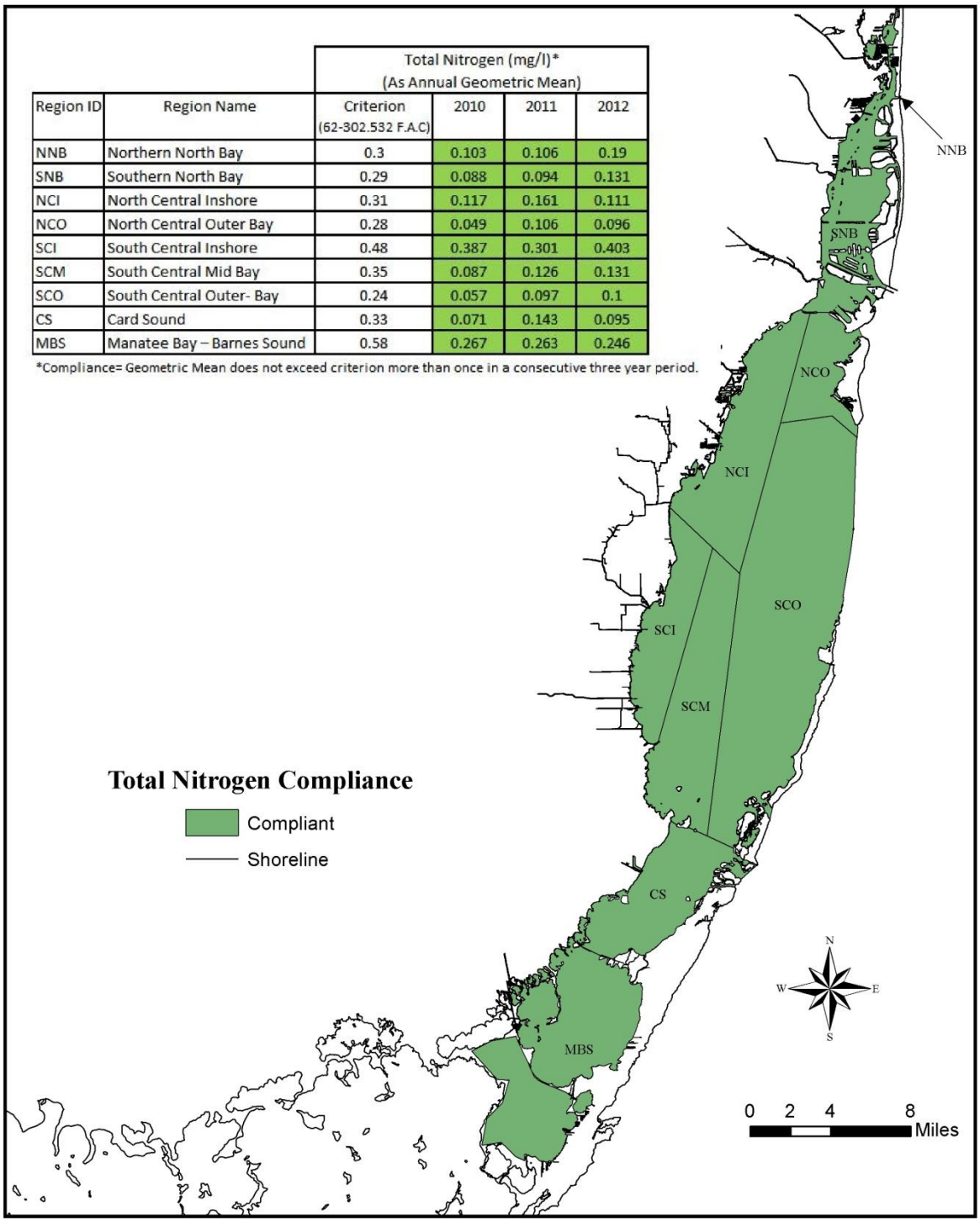
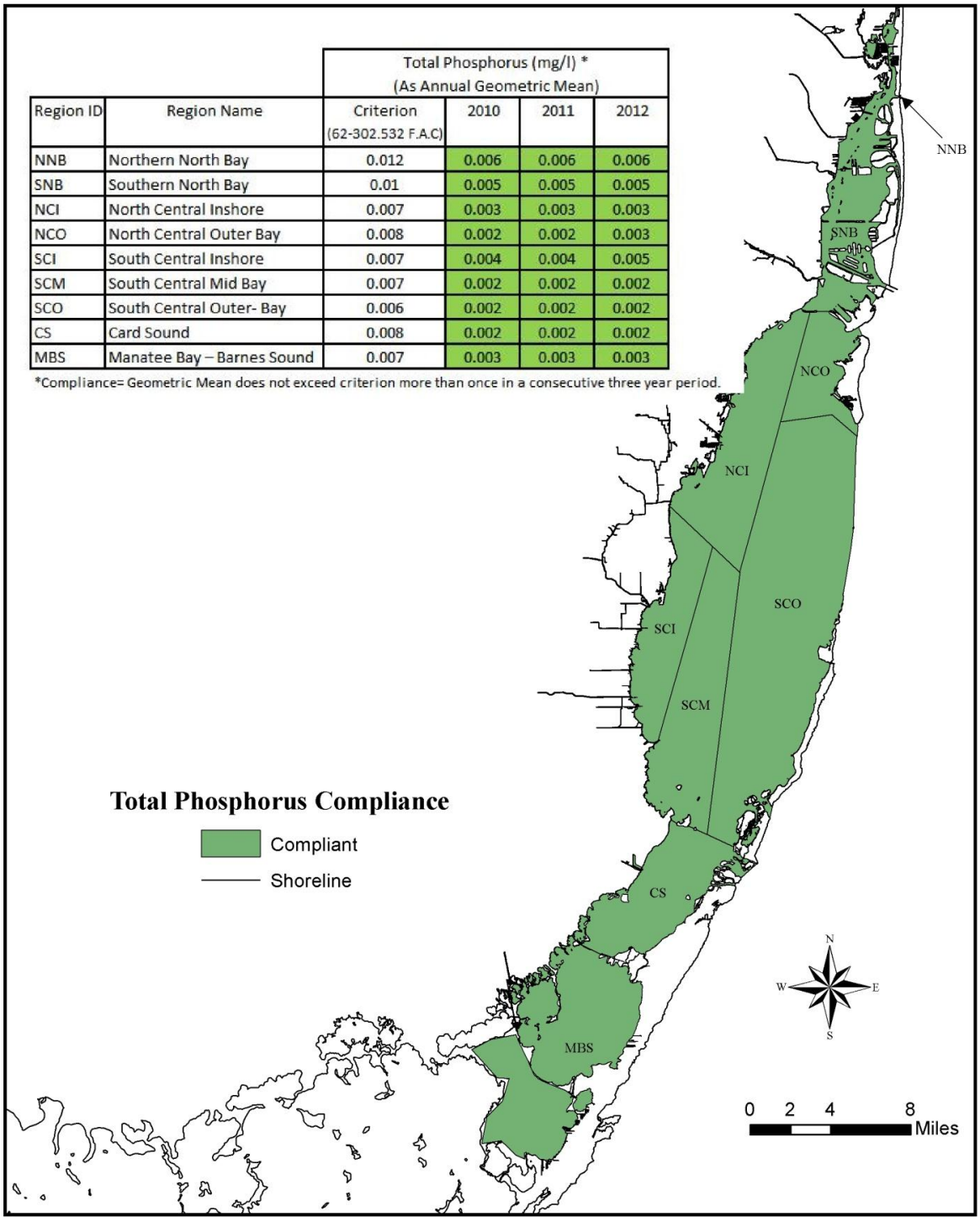


Figure 4.

Numeric Nutrient Assessment for Regions of Biscayne Bay
Total Phosphorus

Region ID	Region Name	Total Phosphorus (mg/l) * (As Annual Geometric Mean) Criterion (62-302.532 F.A.C)	2010	2011	2012
NNB	Northern North Bay	0.012	0.006	0.006	0.006
SNB	Southern North Bay	0.01	0.005	0.005	0.005
NCI	North Central Inshore	0.007	0.003	0.003	0.003
NCO	North Central Outer Bay	0.008	0.002	0.002	0.003
SCI	South Central Inshore	0.007	0.004	0.004	0.005
SCM	South Central Mid Bay	0.007	0.002	0.002	0.002
SCO	South Central Outer- Bay	0.006	0.002	0.002	0.002
CS	Card Sound	0.008	0.002	0.002	0.002
MBS	Manatee Bay – Barnes Sound	0.007	0.003	0.003	0.003

*Compliance= Geometric Mean does not exceed criterion more than once in a consecutive three year period.



ATTACHMENT 1

STATION	fcol	TP	NH3-N (filtered)	NOx-N (filtered)	Color	turb	chl-a	O-TPO4 (filtered)	TKN	Cu-FW	Pb-FW	Zn-FW	Cd-FW	HRDNES	Cu-SW	Pb-SW	Zn-SW	Cd-SW	TSS	TDS	BOD	COD	PHENOLS	As	Cr	Hg	Ni	VOC	SEMI-VOC	O-G
AC01	B						M	M											Q											
AC02	B																													
AC03	M							M	B										Q	Q	Q	Q	Q	A	A	A	A	A	A	A
AC06	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
AR01	B							M							A	A	A	A	Q											
AR03	B							M											Q	Q	Q	Q	Q	A	A	A	A	A	A	A
BB02	B														A	A	A	A	Q											
BB04	B														A	A	A	A	Q											
BB05A	B					M									A	A	A	A	Q											
BB06 (BISC134)	B																		Q											
BISC 133 (BB09)	B																		Q											
BB11	B	M	M	M			M								A	A	A	A	Q											
BB14	B														A	A	A	A	Q											
BB15																														
BB16																														
BISC 131 (BB17)	B																		Q											
BB19	B	M	M	M				M	B						A	A	A	A	Q											
BB22 (BISC 130)	B														A	A	A	A	Q											
BB24	B	M	M	M				M	B						A	A	A	A	Q											
BB26	B	M	M	M				M	B						A	A	A	A	Q											
BISC129 (BB27)	B																													
BB28																														
BB31															A	A	A	A												
BB32	B	M	M	M			M	M	B						A	A	A	A	Q											
BB34	B	M	M	M			M	M	B						A	A	A	A	Q											
BB35																														
BB36	B							M											Q											
BISC108 (BB37)	B																		Q											
BISC 111	B																		Q											

(BB38)																															
BB39A	B														A	A	A	A	Q												
BB41	B														A	A	A	A	Q												
BB44																															
BB45																															
BB47	B														A	A	A	A	Q												
BB48																															
BB50 (FLAB04)	B																		Q												
BB51 (FLAB03)	B																		Q												
BB52	B														A	A	A	A	Q												
BB53	B														A	A	A	A	Q												
BB54	B														A	A	A	A	Q												
BB56	B														A	A	A	A	Q												
BL01	B						M	M							A	A	A	A	Q												
BL02	B																														
BL03	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
BL12	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
BS01	M						M								A	A	A	A	Q												
BS04	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
BS10	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
CD01A	B							M							A	A	A	A	Q												
CD02	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
CD05	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
CD09	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A	
CG01	B						M	M							A	A	A	A	Q												
CG07	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
CM02	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
FC03	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
FC15	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
GL02	B																														
GL03	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
LR01	M						M	M							A	A	A	A	Q												
LR05	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A	
LR06	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A	
LR08	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A	
LR10	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
MI01	B							M							A	A	A	A	Q												
MI02	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
MI03	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
MR01	M						M	M							A	A	A	A	Q												
MR03	M							M							A	A	A	A													
MR05	M							M	B																						
MR06	M														A	A	A	A													
MR07	M							M	B										Q												
MR08	M																			Q	Q	Q	Q	A	A	A	A	A	A	A	
MR15	B																			Q	Q	Q	Q	A	A	A	A	A	A	A	
MW01	B						M	M							A	A	A	A	Q												

MW04	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
MW05	B	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
MW13	B	M	M	M	M	M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
NO07A	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
OL03	M																			Q	Q	Q	Q	A	A	A	A	A	A	A
PR01	B						M	M							A	A	A	A	Q											
PR03	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
PR04A	B	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
PR08	M	M	M	M	M	M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
SK01	B						M	M							A	A	A	A	Q											
SK02	M																			Q	Q	Q	Q	A	A	A	A	A	A	A
SK09	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
SP01	B							M							A	A	A	A	Q											
SP04	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
SP08	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
TM02	B							M							A	A	A	A	Q											
TM03A	B																			Q	Q	Q	Q	A	A	A	A	A	A	A
TM05	M	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
TM08	B	M	M	M		M		M	B	SA	SA	SA	SA	SA					Q	Q	Q	Q	Q	A	A	A	A	A	A	A
WC02	M							M	B						A	A	A	A												
WC03	M																													
WC04	M							M	B										Q	Q	Q	Q	Q	A	A	A	A	A	A	A

M = MONTHLY: JAN - DEC; B = BIMONTHLY: JAN,MAR,MAY,JUL,SEP,NOV; Q = QUARTERLY: MAR,JUN,SEP,DEC; SA = SEMI-ANNUAL: MAR, SEP; A = ANNUALLY: MAR

ATTACHMENT 3

Table 2: Verified List

(Minimum number of measured exceedances needed to put on the Verified list with at least 90% confidence that the actual exceedance rate is greater than or equal to ten percent).

Sample sizes		Are listed if they have at least this # of exceedances	Sample sizes		Are listed if they have at least this # of exceedances
From	To		From	To	
20	25	5	254	262	33
26	32	6	263	270	34
33	40	7	271	279	35
41	47	8	280	288	36
48	55	9	289	297	37
56	63	10	298	306	38
64	71	11	307	315	39
72	79	12	316	324	40
80	88	13	325	333	41
89	96	14	334	343	42
97	104	15	344	352	43
105	113	16	353	361	44
114	121	17	362	370	45
122	130	18	371	379	46
131	138	19	380	388	47
139	147	20	389	397	48
148	156	21	398	406	49
157	164		407	415	50
165	173	23	416	424	51
174	182	24	425	434	52
183	191	25	435	443	53
192	199	26	444	452	54
200	208	27	453	461	55
209	217	28	462	470	56
218	226	29	471	479	57
227	235	30	480	489	58
236	244	31	490	498	59
245	253	32	499	500	60

Part VI.B.2 Evaluation of the SWMP

Have stormwater pollutant loadings discharged from the MS4 decreased? Why or why not?

As per the Surface Water Quality Discussion and Analysis report provided by Miami-Dade County for this reporting year, the Annual Geometric Mean of stormwater pollutant loadings for the Southern North Bay region, the area corresponding to the City of Miami Beach's stormwater discharges, were measured as follows:

- Chlorophyll-a – 0.894 ug/l. Chlorphyll-a levels decreased by 0.281 ug/l since 2011 and are now in compliance with the established sampling limits of 1.1 ug/l.
- Total nitrogen – 0.131 mg/l. Total nitrogen levels increased by 0.037 mg/l since 2011, but remain in compliance with the established sampling limits of 0.29 mg/l.
- Total phosphorous – 0.005 mg/l. Total phosphorous levels have remained constant since 2010 and are within the established sampling limits of 0.01 mg/l.

Which components of the SWMP are working well and are effective in reducing stormwater pollutant loadings? Why are they effective?

The components of the City of Miami Beach's Stormwater Management Program that are working well and are effective in reducing stormwater pollutant loadings include:

1. Structural Controls and Stormwater Collection System Operation
    a. The Public Works Department, Stormwater Operation Division is responsible for inspecting and maintaining the City's MS4. Properly maintained infrastructure reduces the discharge of pollutants and floatables and reduces flooding. The City has established a work order system in Cityworks, which allows the City to track in GIS these activities.
2. Roadways
    a. The Public Works Department, Sanitation Division is responsible for ensuring the cleanliness of our parks, streets, and ROW. Through their daily standard operating procedures the discharge of floatables and pollutants are reduced.
3. Flood Control Projects
    a. All flood management projects include stormwater treatment and meet current ERP rules of the SFWMD. Through these projects, the City's aging infrastructure is modernized with a system that controls water quantity and treats water quality.
4. Pesticide, Herbicide, and Fertilizer Application
    a. Parks and Recreation Department staff is properly trained in Best Management Practices (BMPs) for the storage and application of pesticides, herbicides, and fertilizers. In their application of these BMPs, the City effectively protects water quality.
5. Illicit Discharges and Improper Disposal

a. The Public Works Department, Right-of-Way and Environmental Divisions and the Code Compliance Division are responsible for conducting proactive and reactive inspections to detect, record, and address illicit discharges and improper disposal into the MS4. Through this inspection program, the City enforces and reduces these types of activities. Additionally, the Environmental Division conducts extensive public outreach and education to further reduce these types of activities.

6. Construction Site Runoff
    a. The Public Works Department, Engineering Division is responsible for reviewing and approving construction site plans. Through the plan review process, the City verifies that all construction projects within its limits are in compliance with all applicable local, state, and federal regulations, including the use and maintenance of appropriate structural and non-structural BMPs, as applicable. The Public Works Department, Right-of-Way Division conducts regular construction site inspections to ensure the stormwater runoff control measures are properly used and maintained and to enforce non-compliance with the stormwater runoff control measure requirements. By properly training the Engineering Division and Right-of-Way Division staff to follow these procedures, the City addresses and reduces the discharge of pollutants from construction sites.

Which components of the SWMP are not working well and need to be revised to make them more effective in reducing stormwater pollutant loadings?

The City is in the process of updating a number of our standard operating procedures. Through revisiting the City's current procedures and evaluating their effectiveness the City can better align our operations to track reduction of stormwater pollutant loadings. All elements of the City's SWMP work on some level to reduce stormwater pollutant loadings.

Which components of the SWMP do no contribute to reducing stormwater pollutant loads and could be revised or eliminated, and why?

1. Areas of New Development and Significant Redevelopment - At this current time, there are no areas available for new development and no areas are currently being significantly redevelopment or planned for significant redevelopment. However, if there were to be any new development and significant redevelopment projects, Public Works Engineering would review for post development stormwater considerations. This reporting requirement could be reduced to every four years.
2. Municipal Waste Treatment, Storage, or Disposal Facilities Not Covered by an NPDES Stormwater Permit - The City of Miami Beach does not have any municipal waste treatment sites. For this reporting year, the City included the Green Waste Facility (2800 Meridian Avenue). This facility is a transfer site for yard waste. There are no drainage structures within this facility thus; it has neither a positive or negative impact on the City's MS4. Please advise if it should be included as an existing facility.

3. Industrial and High-Risk Runoff. There are no existing high risk facilities in the City's jurisdiction. The City will continue to monitor; however, Part III.A.8.b could be reduced to every four years.

Is the monitoring program providing data that can be used to assess the effectiveness of the SWMP in reducing stormwater pollutant loadings, assess the effectiveness of specific BMPs, and determine whether stormwater retrofitting projects should be prioritized for implementation?

The City of Miami Beach has signed an Interlocal Agreement with Miami-Dade County providing for Miami-Dade County to conduct surface water quality monitoring on behalf of the City. Miami-Dade County produces on an annual basis a Surface Water Quality Discussion and Analysis Report, which summarizes the data generated for the reporting year by the monitoring program. Miami-Dade County subdivides the County into different monitoring regions that do not necessarily coincide with municipal boundaries. The City's MS4 discharges into the Southern North Bay region of Biscayne Bay. An increase or decrease in the pollutant loadings within the region could result from the successes or failures of one or more of the region's co-permittees.

Attachment 3

City of Miami Beach: Major Outfall Map

City of Miami Beach: Major Outfall Inventory

ASSETID	STREETSEGMENTID	CROSSSECT	HEIGHT	WIDTH	MATERIAL	Atlas	DRAINAGEBASIN	STRUCTUREID	LASTCLEANDATE
STM14438	ST1098	Circular	30"	Not Applicable	Unknown	UNK	HU-16ST-OUTF	Unknown	<null>
STM14484	ST1082	Circular	Unknown	Not Applicable	Unknown	UNK	HU-16ST-OUTF	Unknown	<null>
STM6955	ST1916	Circular	36"	Not Applicable	Concrete	044	HU-33ST-CHAS	082OFS000	<null>
STM6956	ST1917	Circular	54"	Not Applicable	Concrete	044	HU-195-SWINT	091OFS000	<null>
STM6957	ST901	Circular	36"	Unknown	Concrete	044	HU-34ST-CHAS	080OFS000	<null>
STM6958	ST2189	Circular	24"	Not Applicable	Concrete	047	HU-44ST-OUTF	087OFS000	<null>
STM6959	ST1447	Circular	30"	Not Applicable	Concrete	047	HU-41ST-OUTF	087OFS000	<null>
STM6960	ST1441	Circular	36"	Not Applicable	Concrete	048	HU-41ST-CHAS	086OFS000	<null>
STM6961	ST1658	Circular	48"	Not Applicable	Concrete	055	HU-43ST-BAY	095OFS000	<null>
STM6962	ST2204	Circular	42"	Not Applicable	Concrete	078E	HU-BAY-NORM	129OFS000	<null>
STM6963	ST2202	Circular	48"	Not Applicable	Concrete	080B	HU-CALA-ESPL	123OFS000	<null>
STM6964	ST1304	Circular	42"	Not Applicable	Concrete	080A	HU-MARS-NOTR	123OFS000	<null>
STM6965	ST75	Circular	36"	Not Applicable	Concrete	082	HU-75ST-DICK	056OFS000	10/18/2011
STM6966	ST1616	Circular	42"	Not Applicable	Concrete	082	HU-73ST-DICK	053OFS000	10/18/2011
STM6967	ST1321	Circular	36"	Not Applicable	Concrete	079	HU-69ST-INDN	050OFS000	<null>
STM7158	ST1196	Circular	36"	Not Applicable	Concrete	032	HU-24ST-FLAM	078OFS000	<null>
STM7159	ST1391	Box	36"	60"	Concrete	008	HU-6ST-OUTF	07AOFS000	<null>
STM7160	ST1691	Circular	48"	Not Applicable	Concrete	008	HU-5ST-ALTN	005OFS000	<null>
STM7161	ST1391	Circular	36"	Not Applicable	Concrete	011	HU-6ST-OUTF	08AOFS000	<null>
STM7162	ST1367	Box	36"	78"	Concrete	011	HU-10ST-WEST	009OFS000	<null>

MIAMIBEACH

Illicit Discharge and Improper Disposal Proactive Inspection Standard Operating Procedures

1. An illicit discharge is identified by City staff from the Public Works Right-of-Way and Environmental Divisions during regular daily inspections.

2. If discharge is identified by the Environmental Division staff, the incident is reported to Right-of-Way Division staff via email.

3. Right-of-Way Division staff conducts an on-site investigation to document the reported incident, assess the situation, and identify the next steps.

4. During or upon completion of the inspection, Right-of-Way Division staff will contact the responsible party and request that the situation be rectified within 48 hours.

5. If a violation of City Code exists, Right-of-Way Division staff will contact the City's Code Compliance Dispatch. Code Compliance staff will issue a Courtesy Notice Warning with a requirement for corrective action within 24 hours.

6. If the illicit discharge originates from a private property, Right-of-Way Division staff will also contact the City's Building Department who will issue a Stop Work Order, as applicable.

7. Right-of-Way Division staff will follow up with the responsible party 48 hours after the incident to verify that all violations have been corrected.

8. Code Compliance staff will follow up with the responsible party 24 hours after the Courtesy Notice Warning is issued to verify that all violations have been corrected.

9. If the violation has not been corrected by the follow-up inspection, Code Compliance staff will issue Notices of Violation (NOVs), warning letters, and/or citations, as applicable. Similarly, Right-of-Way Division staff will notify Miami-Dade County of the violation for additional investigation and/or enforcement.

10. If the responsible party is identified to be a repeat offender, their operation will be closely monitored by Code Compliance staff, as required.

APWA Self Assessment

Welcome Diana, Sign Out

City of Miami Beach

Home Tasks Reports Manage

13 Project Management > 13 . 7 Inspection

A procedure is established for inspection of all construction projects in progress to ensure that construction work is completed in accordance with project plans and specifications.

The purpose of inspection is to verify that work meets the intent and requirements of the plans and specifications.

Full Compliance

Documentation / Directives Edit

1. Daily Construction Report
2. FDOT Standard Specifications for Road and Bridge Construction - See Practice 13.5

Agency Compliance Edit

Project inspection involves various field and office tasks that include the following activities: constructability review of documents (e.g. document review of project plans and estimate), preliminary field visit of project, attending pre-construction meeting, review of construction schedule submitted by the Contractor , attending initial site meeting with Contractor, monitoring and inspecting day to day construction activities to ensure that the project is constructed within plan specifications, keeping project records, informing Project Manager of field activities and monitoring project for the duration of warranty.

For each visit to a construction site, inspectors prepare daily inspection reports that list date, time, weather, equipment on-site (in use or idle), personnel on-site, and activities occurring.

13.7 Daily Construction Report.pdf

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14 Right-of-Way Management > 14 . 5 Permit Inspection

A policy is established for inspection of permitted work.

Permit inspection should verify compliance with adopted specifications A program should be established by the permitting agency to ensure that permit provisions and specifications included as part of the permit are met This program should also provide for inspection of work in the public right-of-way before the end of a warranty period, or prior to releasing a performance bond related to the specified work.

Full Compliance

Documentation / Directives Edit

1. City of Miami Beach Public Works Manual (CMBPWM)
2. City of Miami Beach Right-of-Way Special Provisions Permit - See practice 14.1
3. City of Miami Beach Right-of-Way Permit - See practice 14.1

Agency Compliance Edit

The Inspection Policy for the Right-of-Way Management Section of the Public Works Department is in the City of Miami Beach Public Works Manual (CMBPWM) and provides inspection criteria for permitted Right-of-Way activities. The Public Works inspectors observe and document the work for conformance to the approved plans and conditions of the Right-of-Way Permit. The City of Miami Beach Public Works Manual (CMBPWM) specifies the approved procedures for finalizing Right-of-Way work. Construction projects performed by the City's contractors must complete an approved final inspection process that includes a project final walk thru and satisfying all As-Built documentation. A punch-list is generated for those items that must be corrected prior to release of contractor's performance bonds as specified in the construction permit documents for the project.

General construction projects are inspected daily and again at the completion of the work, to ensure that the completed work was constructed in accordance to the Right-of-Way Permit requirements and approved plans. As-Built plans and the owner's letter of "Substantial Completion" are reviewed at this time against the completed work. A maintenance bond is required for one (1) year warranty period to guarantee against latent defects in material or workmanship if the completed permit work is deemed satisfactory. Prior to end of the guarantee period the work is re-inspected by the Public Works Department to ensure that the work has no final observed defects.

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