

STREETS & STORMWATER

TELEPHONE (239) 213-5000 • FACSIMILE (239) 213-5010

295 RIVERSIDE CIRCLE • NAPLES, FLORIDA 34102

July 20, 2021

Sent via email

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

Subject: Year 2 Annual Report

City of Naples Phase II Municipal Separate Storm Sewer System (MS4)

NPDES Permit ID Number FLR04E080

Dear Mr. Maron:

Please find attached the completed City of Naples Year 2 Annual report which covers February 5, 2020 through February 4, 2021. The City of Naples conducts independent monitoring and the report summarizing those results is also attached for reference.

Please let me know if you have any questions.

Sincerely,

Katie Laakkonen

**Environmental Specialist** 

City of Naples

(239) 213-7122

Cc: Gregg Strakaluse, Director, Streets & Stormwater Department

Ethics above all else ... Service to others before self... Quality in all that we do.

PHA	SE II MS4 ANNUAL REPORT for Permit	:Year:	5 Other:				
Instru	uctions for completing this form:						
•			the annual reporting requirement under the Separate Storm Sewer Systems, Rule 62-				
•	• The numbering and references to Best Management Practices (BMPs) on the Annual Report Form should reflect the information given in the MS4's Notice of Intent (NOI) form previously submitted to the Department. PLEASE REFER TO ORIGINAL AND APPROVED PHASE II MS4 NOI SUBMITTAL WHILE COMPLETING SECTION II OF THIS FORM. Proposed changes to the approved SWMP shall be indicated in Section III of this form.						
•	When complete, submit this Annual Re	eport form to the following addres	ss:				
	NPDES Stormwater Section						
	Florida Department of Enviror	nmental Protection					
	2600 Blair Stone Road						
	M.S. 2500						
	Tallahassee, FL 32399-2400.						
•	Do <b>NOT</b> include any attachments <b>EX</b>	CEPT for Monitoring Data in Sec	ction IV, ifapplicable.				
SECT	TION I. PHASE II MS4 OPERATOR IN	NFORMATION					
A.	Name of the Phase II MS4 Operator: Cit	ty of Naples					
B.	Name of the Phase II MS4 Responsible	Authority: Gregg R. Strakaluse	P.E.				
	Title: Director, Streets & Stormwater D	Department					
	Mailing Address: 295 Riverside Circle	<del>,</del>					
	City: Naples, Florida	Zip Code: <b>34102</b>	County: Collier				
	Telephone Number: 239-213-5000						
C.	Name of the Designated Phase II MS4 S	Stormwater Management Progra	m Contact: Gregg Strakaluse, P.E.				
	Title: Director						
	Department: City of Naples Streets & S	Stormwater Department					

	Mailing Address: 295 Riverside Circle					
	City: Naples, Florida	Zip Code: <b>34102</b>	County: Collier			
	Telephone Number: 239-213-5003					
	E-mail Address: gstrakaluse@naplesgov.com					
D.	Location of the Phase II MS4 (if different than the mailing address in Section I.C. above): Same as above.					
	Street Address: Same as above.					
	City: Same as above.	Zip Code: Same as above.	County: Same as above.			

#### SECTION II. MINIMUM CONTROL MEASURE (check only one)

1. Public Education and Outreach

3. Illicit Discharge Detection/Elimination

2. Public Involvement/Participation

- 4. Construction Site Stormwater Runoff Control
- 5. Post-construction Stormwater Management (optional)
- 6. Pollution Prevention/Good Housekeeping

#### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Elem		A	В	С	D
ID/B #		BMP Description	Measurable Goals	Schedule for Implementation/Completion	Summary of Results
1a	01	Fertilizer and Irrigation Education and Outreach: Develop and conduct education and outreach efforts pertaining to proper fertilizer and irrigation practices	Develop education & outreach efforts pertaining to proper fertilizer & irrigation practices     Implement program. Document & report the number of outreach activities conducted     Document and report the number of outreach materials distributed	1. Year 1 2. Years 2-5 3. Years 2-5	1. Education brochures were created for proper Fertilizer/Irrigation practices and for Illicit Discharges. A fertilizer calculator was also developed that incorporates reclaimed water usage. All were made available on City website  2. Two classes were taught (Rookery Bay) with 181 participants total, 5 classes were taught (UF IFAS) with 67 attending (16 classes via zoom open to Collier County residents)  3. Educational materials were distributed to all 248 participants in addition to outreach materials accessed via the City's website
1a	02	Maintain and update the City's web page on Stormwater Management and Natural Resources: Provide a stormwater program information page with links to state and other relevant existing City websites	Document and report the number of stormwater-related web page hits per year	1. Annually	720 page views were documented for the Stormwater Management Page

SEC	SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES							
	nent	А	В	С	D			
ID/BMP #		BMP Description	Measurable Goals	Schedule for Implementation/Completion	Summary of Results			
1a		Stormwater Drain Decals: Install/replace stormwater drain decals that were placed throughout the City	Document and report the number of new/replaced decals     Document and report the total number of decals installed	Years 1-5 on an as needed basis				

#### **SECTION II. MINIMUM CONTROL MEASURE (check only one)**

- 1. Public Education and Outreach
- 3. Illicit Discharge Detection/Elimination 2. Public Involvement/Participation
  - 4. Construction Site Stormwater Runoff Control
- 5. Post-construction Stormwater Management
- 6. Pollution Prevention/Good Housekeeping

### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Element		А	В	С	D
ID/BMP#		BMP Description	Measurable Goals	Schedule for Implementation/ Completion	Summary of Results
2a	01	Public Involvement in Policy, SWMP, and Ordinances: The City will involve the public in policy decisions related to SWMP, such as revisions to the SWMP and relevant ordinances. Public input meetings are noticed via email and posting flyers in public places	1. Document and report the number meetings where SWMP-related policy decisions are on the agenda 2. Document and report the number of publicly noticed comment opportunities 3. Document and report the number of meeting attendees	1. Annually	Stormwater code was updated and over 20 public meetings were held to gather input. Code now requires increased stormwater treatment/retention and an increased stormwater permit fee.     8 meetings were publicly noticed, 5 being City Council meetings     There were approx.180 attendees total
2a	02	Public Workshops & Presentations: Inform the general public including business groups, neighborhood associations, clubs and elected officials about stormwater management rules, regulations, management practices, permitting and projects. Input through public comment opportunities are heard and considered during the meetings. Council meetings are publicly noticed on the City's website 1 week in advance	1. Document and report the number of Council Workshops conducted (all are broadcasted on local TV government channel) 2. Number of City Council meetings addressing stormwater issues 3. Document and report the number of neighborhood association meetings and their attendees	1. Annually	1. There were 49 publicly noticed City Council meetings held 2. 24 items that were on City Council agendas were relating to Stormwater 3. Neighborhood association meetings were limited due to COVID-19 restrictions, however, 6 Presidents Councils comprising multiple associations were held and 2 of those covered stormwater topics. Many one-on-one interactions took place with residents with 33 occurring for one stormwater project on 3 <sup>rd</sup> St.

Element		A	В	С	D	
ID/BMP #	BMP Description		Measurable Goals	Schedule for Implementation /Completion	Summary of Results	
2a	03	Coastal Clean-Up Program: The City of Naples coordinates coastal cleanups with volunteers. This local program is scheduled with the International Coastal clean-up event held in over 900 Florida locations. It is publicly noticed through Keep Collier Beautiful email blasts, website, & TV commercials	Document and report the number of volunteers and the amount of trash collected	Annually in September	Events were canceled due to COVID-19 restrictions. It is anticipated that events will resume this coming September.	
2a	04	Bay Days /Great American Cleanup: City of Naples coordinates volunteers to participate in the annual event to pick-up trash and debris. The program is similar to the Coastal Clean-up event. It is publicly noticed through Keep Collier Beautiful email blasts, website, & TV commercials	Document and report the number of volunteers and the amount of trash collected	Annually in April	Events were canceled due to COVID- 19 restrictions. It is anticipated that events will resume this coming April. An additional coastal cleanup was scheduled for July 5 <sup>th</sup> , 2021	

### SECTION II. MINIMUM CONTROL MEASURE (check only one)

1. Public Education and Outreach

3. Illicit Discharge Detection/Elimination

2. Public Involvement/Participation

- 4. Construction Site Stormwater Runoff Control
- 5. Post-construction Stormwater Management
- 6. Pollution Prevention/Good Housekeeping

### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Eleme		А	В	С	D	
ID/BMP #		BMP Description	Measurable Goals	Schedule for Implementation/ Completion	Summary of Results	
3a	01	Outfall Map: Continue improvement of the Geographic Information System that contains detailed information on the City's existing stormwater drainage collection & conveyance system. Map shows locations of known outfalls along with the receiving surface waters. Collect field information about each of the 12 City drainage basins to improve and refine map	Document and report the percentage of the entire stormwater collection and conveyance systems mapped in the GIS database     Document and report through mapping, the number of new, consolidated & net total outfalls	Annually	Approximately 24% of the entire stormwater collection and conveyance system were verified and mapped in the GIS database     7 new outfalls were verified and mapped, net total outfalls = 349.	
3b	01	Illicit Discharge Ordinance: Enforcement of existing City of Naples Article VII, Chapter 52; Article III, Section 16-115; Article VIII, Section 16-291; Article I, Section 42-5; regarding illicit discharges into the storm sewer system and illegal dumping. Ordinance pertaining to discharge of pollutants will be evaluated and clarified regarding illicit discharge	Evaluate and clarify pollutant discharge ordinance     Document and report any changes or amendments to the applicable codes		1. & 2. The process of creating a new Illicit Discharge Ordinance was started within the reporting period and is based on the EPA's model ordinance. It has since undergone first and second readings and was added as a new section of the City's Code of Ordinances (Ch. 30, Article VIII).	

#### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES Α В Element C ID/BMP# Summary of Results **BMP Description** Schedule for Measurable Goals Implementation/ Completion Illicit Discharge Inspections: 1. Document and report the Monthly 1. 143 inspections found erosion and Inspect public discharges and number of proactive illicit sediment violations which contributed to illegal dumping. Incidences will discharges discovered. 3с 01 illicit discharges. be documented through daily reported and confirmed 2. 9 NOVs were issued, 1 resulted in fines 2. Document and report the proactive stormwater staff 3. 100% of illicit discharges were inspections and in response to number of illegal discharges corrected. where fines were levied reports from residents. If fines are issued, those will be recorded 3. Document and report in the computer system as well the number of illicit discharges corrected Water Quality Monitoring: 1. Document and report any Sampling program of stormwater Years 1-5 Collect water quality samples ponds and pump stations continues. A trends in target pollutant monthly and evaluate pollutant comprehensive data analysis effort levels loading in an effort to identify showed statistically significant trends target pollutants for reduction and in individual stormwater lakes for a monitor existing efforts in pollution range of parameters. The full report is Зс 02 reduction attached.

#### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES Α В Element C D ID/BMP# **BMP Description** Schedule for **Summary of Results** Measurable Goals Implementation/ Completion Illicit Discharge Education and 1. An illicit discharge brochure 1. Develop education & 1. Year 1 was developed and public Outreach: outreach plan. 2. Years 2-5 Develop education & outreach meetings held for a new illicit 2. Document and report the type 3. Years 2-5 discharge ordinance 3dmaterials. Provide public and number of public awareness 4. Years 2-5 2. The brochure was posted on awareness to employees, activities for employees residents, and businesses the intranet so that all City 3. Document and report the type regarding the hazards of illegal employees would be notified how and number of public awareness discharges and dumping of wastes they could help report illicit activities for residents discharges. It was also 4. Document and report the type and distributed to code enforcement number of public awareness activities staff and posted on the City's for businesses Facebook page for public, staff, and business to view and download 3. The brochure and ordinance were made available to the public by posting it on the City's website. Over 20 public meetings were held about the new illicit discharge ordinance. 4. In addition to posting materials on the website and Facebook, educational materials were also distributed to 5 new food service establishments regarding proper maintenance, BMPs, and proper disposal of grease.

### SECTION II. MINIMUM CONTROL MEASURE (check only one)

1. Public Education and Outreach

- Illicit Discharge Detection/Elimination
   Construction Site Stormwater Runoff Control
- 2. Public Involvement/Participation 4. Construction Site Stormwater Runoff Control
- 5. Post-construction Stormwater Management
- 6. Pollution Prevention/Good Housekeeping

SECT	ION II	. SUMMARY OF STORMWATER MA	ANAGEMENT PROGRAM ACTIVITIES			
Element ID/BMP #		А	В	С	D	
		BMP Description	Measurable Goals	Schedule for Implementation/ Completion	Summary of Results	
4a	01	Construction Compliance: Maintain the City's existing City Code Article VIII, Section 16-291; applying Appendix A-Fees and Charges; pertaining to the requirement for construction contractors to maintain SWP3's on construction site ordinance requiring erosion and sediment controls to reduce pollutants associated with stormwater discharge and prevents direct runoff to abutting properties	Document and report any changes to amendments to the ordinance(s)/code(s)	Annually	1. On November 18, 2020, a presentation was given to City Council to facilitate a discussion regarding this section of the code and Construction Site Management requirements. The outcome of the discussion did not result in any proposed code changes.	
4b	01	Sediment and Erosion Control Requirements: Monitor the City's existing City Code Article VIII, Section 16-291; applying Appendix A-Fees and Charges; pertaining to maintenance of BMP's on site that reduce pollutants associated with stormwater discharge	Document and report the number of construction site violations pertaining to erosion and sediment controls	Annually	1. 143 construction sites required erosion control	

### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Elem		А	В	С	D	
ID/BN	IP#	BMP Description	Measurable Goals	Schedule for Implementation/ Completion	Summary of Results  1. A total of 34 construction sites operated with waste control requirements	
4c	01	Waste Control Requirements: Monitor existing City Code Chapter 32 requiring construction site operators to control all waste on sites, and review the code language for potential enhancement	Document and report the number of construction site violations pertaining to waste controls	Annually		
4d	01	Site Plan Review: Continue to implement City Code Article VIII, Section 16-291; applying Appendix A-Fees and Charges; pertaining to the review of site development plans and the requirement for a SWP3 & BMP's. Provide applicants with information regarding potential need for CGP or ERPs	Document and report the number of building permits issued     Document and report the number of site plans reviewed and approved requiring stormwater control     Document and report the number of applicants that were informed of the potential need for CGP/ERP	Annually	1. 1309 building permits issued     2. 158 permits required     stormwater control     3. 410 permittees were     informed of the potential     need for additional state     permits	
4e	01	Construction Complaints: Continue to implement the City's current policy to receive public complaints, questions, and comments regarding construction site stormwater management concerns	Document and report the number of public inquires received     Document and report the number of follow-up actions to calls received	Annually	Over 100 complaints were received regarding construction site management.     100% of public inquiries are followed up on and it is ensured all issues are corrected	

Element ID/BMP #	BMP Description Measurable Goals		C Schedule for Implementation/	D Summary of Results
4f 01	Construction Inspections: Inspect active construction sites for proper installation and maintenance of Stormwater BMP's and construction waste control requirements. Continue to implement Section 30-340 requiring inspections of permitted Water Management Systems on private property to ensure compliance and performance with original design. A minimum of 3 inspections—1 pre, 1 during, and 1 post constructionare conducted	1. Document and report the number of stormwater inspections performed per year 2. Document and report the number of stormwater inspections that were not in compliance and required follow-up action 3. Document and report the number of erosion and sediment control inspections documented in the City's tracking software.	Annually	812 stormwater site inspections were performed by Streets & Stormwater staff     2. 222 inspections were not in compliance and required subsequent inspections     3. 143 inspections for erosion and sediment controls

SECTION A.I. N	MINIMUM CO	ONTROL MEASURE (check only one)			
Public Education and Outreach     Public Involvement/Participation				nstruction Stormwater Management (optional name) n Prevention/Good Housekeeping	
SECTION A.II. BEST MANAGEMENT PRACTICES (BMPs) For The Minimu			CES (BMPs) For The Minimum Control Mea	sure Identified In Section A	I. Of This Form
Element ID	ВМР	A	В	С	D
Element ib	Number	Description of BMP	Measurable Goal(s)	Schedule for Implementation/Com pletion	Responsible Entity
5a-c	01	Utilize qualifying alternative program; Naples relies on the current SFWMD and FDEP regulatory criteria by providing stormwater treatment for ERP Permitted projects	Continue to maintain compliance with DEP and WMD criteria	Effective upon permit issuance.	DEP and WMD

#### SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES Α В Element C D ID/BMP# **BMP Description** Schedule for **Summary of Results** Measurable Goals Implementation/Completi on DEP adopted TMDL: The Gordon 1. Upon review of the stormwater 1. This has already started 1. Years 4-5 River Extension WBID does not have management program, inventory despite it being for years 4-5. The a BMAP to address the causative BMPs that are currently in place City is looking at increasing street 2. Years 1-2 pollutant (TN) for the low dissolved and identify any additional BMPs sweeping BMPs and has oxygen impairment. The City will that could address reduction of proposed the purchase of an 03 review its stormwater management 6а pollutant loads with respect to the additional street sweeper and the program with respect to the TMDL TMDL goals. addition of a heavy equipment goals for the reduction of pollutant 2. Update WBID boundary loads within the City's MS4 drainage operator. 3278K in collaboration with basin discharging to the TMDL DEP to refelct current 2. Upon further review of the waterbody as delineated by the stormwater flow-ways within WBID boundary, changing the revised 3278K WBID boundary the City. boundary would not actually affect which excludes the marine portion of the way in which the WBID is the Gordon River. The City will assessed, therefore, it was initiate additional revisions to this determined a boundary change WBID boundary in collaboration with DEP to reflect current stormwater was unnecessary. flow-wavs Annual Employee Training: 1. Document and report the Annually 3. 14 Utilities staff completed spill Used Oil and Hazardous number of employees prevention, 14 Fire staff attended receiving training Materials Handling, Storage and HazMat courses, all 3 code Disposal, and BMP's for reducing 2. Document and report the enforcement officers completed 6b 01 and preventing stomwater number of training sessions illicit discharge detection & pollution from municipal activities held elimination training, 6 Equipment Services staff completed Work Space Housekeeping SOP-101 4. 10 training sessions were held Stormwater Staff Training: 1. Document and report the Annually 1. 2 Streets & Stormwater staff Provide training/certification of number of staff members completed Certified Stormwater appropriate stormwater staff, such trained/certified Operator I and 1 completed 6b 02 as stormwater inspectors and site Certified Stormwater Operator 2 plan reviewers, on stormwater erosion and sedimentation controls

#### SECTION II. MINIMUM CONTROL MEASURE (check only one)

- 1. Public Education and Outreach
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Element ID/BMP #		Α	В	В С	
		BMP Description	Measurable Goals	Schedule for Implementation/Completi on	Summary of Results
6a	01	Street Sweeping: Reduce trash and pollutant runoff from City streets by continuing to implement the City's street sweeping program	Document and report the number of lane-miles of streets swept     Document and report the amount of debris collected and disposed of	Annually	1. 6046.5.5 miles of road was swept 2. 209.72 tons of debris was collected and disposed of
6a	02	City Stormwater System Operations and Maintenance Program: Inspect and maintain City stormwater structural controls including swales, treatment ponds, filter marshes, inlet/catch basins, conveyance system, and pump stations	1. Document and report the number of pond inspections and pond maintenance activities 2. Document and report the total linear feet of pipe maintained 3. Document and report the amount of material removed during maintenance activities (ponds, filter marsh, catch basins, pump stations, and pipes) 4. Document and report the man-hours spent in operations and maintenance of the City's permitted stormwater management systems	Annually	1. 33 pond inspections and maintenance activities were completed 2. Over 10,498 LF of pipe was maintained 3. Total of 103 tons of debris removed 4. 6240 man-hours were spent inspecting, cleaning, and videoing the stormwater system

#### SECTION III. CHANGES TO STORMWATER MANAGEMENT PROGRAM

Assess the appropriateness of each BMP that has been implemented and provide a list of changes in the space below. Include proposed changes to BMPs, Measurable Goals, or Implementation Schedules, and justification for changes. Also report new BMPs that have been added to the Stormwater Management Program in this section. Add pages if more room is needed. Include the Element ID as it is listed on the submitted NOI. BMP Number should be indicated as listed on the NOI, unless a new BMP is being proposed. Include Element ID on all extra pages, include BMP number for all changes to BMPs previously listed on NOI.

Element ID	BMP Number (where applicable)	Proposed Change or New BMP Description and Justification

SECTION	SECTION IV. INDEPENDENT MONITORING AND RELIANCE ON ANOTHER ENTITY								
A.	Please indicate whether the Phase II MS4 performed independent monitoring. If yes, please attach monitoring data collected during reperting period.								
	<ul><li>☐ The MS4 performed independent monitoring during the reporting period, (Attach monitoring results to this Annual Report form).</li><li>☐ The MS4 did <b>NOT</b> perform independent monitoring during the reporting period.</li></ul>								
	*Full summary analysis and report is attached. Please let the City know if you would like the raw data.								
В.	Please indicate which elements of the Stormwater Management Plan the Phase II MS4 is relying on another entity to satisfy. Include New or revised BMP activities that met this criteria. NOTE: These elements should also be listed in Sections II or III of this form.								
	Element #	BMP #	Name of Responsible Entity						

SECTION V. CERTIFICATION STATEMENT AND SIGNATURE								
The Responsible Authority listed in Section I.B. of the Annual Report form must sign the following certification statement:								
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 Pha	se II MS4 Responsible Authority (type or print):	Gregg R. Strakaluse, Director						
Title:	Director, Streets & Stormwater Department							
Signature:	20thal		Date:	7/19/2/				