

'Responses'

to

**City of Riviera Beach Year 1 Audit Report
Request for Additional Information**

Prepared by
City of Riviera Beach
Public Works Department

March 27, 2020

The following *City Responses* are provided to the items identified in the Florida Department of Environmental Protection (FDEP) in letter dated February 14, 2020. The subject of the letter was identified as:

Subject: Palm Beach County Municipal Separate Storm Sewer System (MS4)
NPDES permit ID Number FL S000018-004
City of Riviera Beach Year 1 Audit Report
Request for Additional Information

The items identified in the FDEP letter are listed below with the *City Responses* following each item:

Structural Control Inventory: The number of structures has changed between year 1 and Year 3. **Submit an explanation for the change in reported inventory for each structure, including major outfalls.**

City Response:

- Some structures were listed in the Cycle 4, Year 1 that never existed and have subsequently been deleted from the list of structures in the Year 2 and 3 annual reports (e.g. underdrain filter systems, detention with filter systems, alum injection system and pump station).
- The Ditches/Conveyance Swales nomenclature reported in Year 1 has been deleted in Years 2 and 3 and revised to Grass Swales in those same reporting years. There are 11 miles of grass swales in the MS4 area. Swales are required to be inspected once every three (3) years; so, 3.7 miles of grass swales have been reported in Year 3.
- The Dry Retention and Dry Detention systems reported in Year 1 are privately-owned and are not part of the MS4, so they have been deleted in subsequent Year 2 and 3 annual reports.
- Three (3) Wet Detention Systems were reported in the Cycle 4, Year 1 annual report, however, two (2) of those systems are privately-owned and not part of the MS4. Therefore, the number of Wet Detention Systems has been revised to one (1) that is part of the MS4.
- The total 150 linear feet of Exfiltration Trench remained consistent in the annual reports for Years 1 through 3 and are recorded appropriately.
- The 14 Major Outfalls reported in the Year 1 annual report has been revised down to five (5) outfalls in Years 2 and 3 because only these 5 outfalls met the definition of a major outfall and are part of the City's MS4. The City's Major Outfalls are identified on Figure 3-3, Stormwater Master Plan provided herein.

- There were two (2) Pollution Control Boxes and 3 Weirs reported in the Cycle 4, Year 1 annual report which was revised to 1 Pollution Control Box and 1 weir in Year 2. The categorization was further revised in Year 3 to one (1) combined Pollution Control Box/Weir structure because the box is within the weir structure.
- The 40 total miles of Pipes/Culverts was reported in the Cycle 4, Year 1 annual report when only 10% of the total is required to be inspected each year. In the Year 2 and 3 reporting periods, the mileage of pipes has been revised down to four (4) miles consistent with the 10% annual requirement.
- There are 33 miles of Conveyance Ditches and Canals in the MS4 of which only 10% of the total is required to be reviewed annually. Four (4) miles of conveyance ditches/canals were inspected during the Year 2 and 3 annual reporting periods.
- The 407 Inlets/Catch/Basins reported in the Year 1 report represented the total number in the MS4, however, only 10% of that total is required by SOP to be reported annually. Therefore, the Year 2 and Year 3 annual report has been adjusted to this reporting number.

Structural Control SOPs: Each SOP contains procedures to conduct maintenance and procedures to document and track inspections and maintenance (checklists and work orders). There are maps and inspection checklists for most structures. **Revise and submit the SOPs to correct the following deficiencies:**

- No inventories were submitted for any structures. **Submit an inventory (list with location, size, material, receiving waterbody, etc.) for each type of structure, including major outfalls.**

City Response

See attached City of Riviera Beach 'Structural Controls' file which contains completed Inspection Forms for all structural controls identified in the Cycle 4, Year 1 Annual Report. The information requested is identified on these forms. Proactive Inspections will be performed at the time control structures are inspected. The '**Structural Control Proactive Illicit Discharge/Illegal Connection**' Inspection Form is presented on the last page of the City of Riviera Beach Structural Controls file for reference and use when necessary.

- Detention, retention and exfiltration maps appear to include a service area, not a specific structure. **Submit a revised map to show these structures.**

City Response:

See revised Map/Figure.

- Procedures to schedule and conduct inspections do not include specific information such as the department doing the work and how inspections are scheduled. Many SOPs do not specify an inspection frequency. **Revise and submit the SOPs to include who performs the work, and how inspections are scheduled.**

City Response

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file which contains the information requested.

- Pipes/Catch basins: no maintenance activity was included for pipe cleaning. A visual inspection list was included. The SOP stated that recording of inspections was done by marking on a paper map which sections of pipes were inspected. **Revise and submit the SOP to include how pipes will be cleaned (vacuuming, etc.) and a sample of how inspections are tracked/documented.**

City Response:

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** and **City of Riviera Beach 'Structural Controls'** files for Pipes/Culverts.

- Control structures were not distinguishable on the map, no inventory (noted above). **Submit a revised map of control structures (weir, etc.).**

City Response:

See revised Figure 3-3, Stormwater Master Plan.

Litter Control SOP:

- Includes map and schedule for sweeping, not litter control. **Submit a map and schedule for litter control.**

City Response:

See revised Map and **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** attached for Street Sweeping schedule and other items.

- Does not include procedures for litter control. **Revise and submit the SOP to include staff/department that perform work and how work is scheduled (before mowing, etc.).**

City Response

See revised SOP for Litter Control contained in the attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file.

Street Sweeping SOP:

- Does not include where sweeping is stored. Maintenance Shop/Equipment Yard SOP also does not mention the sweeping debris roll off. **Revise and submit the SOP to include where/how debris is stored and disposed of.**

City Response:

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file for the Maintenance /Equipment Yard information requested. Street sweeping is stored at a city-owned facility located at 4357 Easley Road. Material is stored in a drying bed for containment. When full, the material is transported to the County landfill.

- The FSA load reduction calculator has been updated. **Revise and submit the SOP to reference the updated FSA tool.**

City Response:

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file, Maintenance Equipment Yard SOP for this information.

Maintenance Shop/Equipment Yard SOP:

- Does not include a list of equipment yards and maintenance shop. **Revise and submit the SOP to include Public Works facility and other relevant facilities.**

City Response:

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file, Maintenance/Equipment Yard SOP for this information.

- SOP includes multiple activities but does not specify which activities take place at the Public Works facility. **Revise and submit the SOP to include relevant activities at City facilities.**

City Response:

See attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file, Maintenance Operational/Maintenance/Documentation Protocol' for this information.

The revised Maintenance /Equipment Yard Practices SOP addresses the activities.

- There was no inspection checklist or inspection schedule. Sites are required to be inspected annually. **Submit an inspection checklist and revised SOP with schedule and staff/department that perform inspections.**

City Response:

See attached **Maintenance/Equipment Yard Inspection Form** for the inspection checklist and **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file, Maintenance/Equipment Operational/Maintenance/Documentation Protocol for this information.

Pesticide Application Minimization SOP: Includes licensing and training of staff but does not include application minimization procedures. **Revise and submit the SOP to include the requirements on page 43 of the permit for application of pesticides and fertilizers.**

City Response:

See revised Pesticide, Herbicide & Fertilization Minimization Procedures in the **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file to note inclusions cited above.

Proactive Illicit Discharge Inspection SOP: Includes a checklist and priority areas but does not include procedures for tracing and eliminating discharges, documentation, enforcement, staff/department responsible, and resources. **Revise and submit the SOP to include a list of priority areas/facilities and the requirements on pages 47-48 of the permit, bullets 5-10.**

City Response:

See **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file for revised Proactive Illicit Discharge/Illegal Connection SOP. The SOP addresses the activities listed on pages 47 and 48 of the permit. Proactive inspections are done as part of the structural controls inspections, if deemed necessary. See the **City of Riviera Beach 'Structural Controls'** file, Proactive Illicit Discharge/Illegal Connection Inspection Form (last page of file).

Spill Response SOP: Not submitted. **Submit a spill response SOP.**

City Response:

The 'Spill Prevention and Response Procedures Operational/Maintenance/Documentation Protocol' is the procedural guide, or SOP, regarding spills, illicit or illegal dumping activities. This SOP is in the attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file.

Limitation of Sanitary Sewer SOP: Not submitted. **Submit a sanitary sewer overflow (SSO) response SOP.**

City Response:

See the 'Plan to Eliminate Wastewater Contamination in Stormwater Standard Operational/Maintenance/Documentation Protocol' SOP in the attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file.

High Risk Facility Inventory: Not submitted. **Submit the current inventory of high-risk facilities.**

City Response:

See attached **City of Riviera Beach 'High Risk Facilities' Inspection** file for this information. When accumulating this list, EPA's Envirosearch webpage was referenced for a list of high risk facilities. The list included all high risk facilities within the corporate limits of Riviera Beach and areas outside of the corporate limits which have a Riviera Beach address. Some facilities/businesses listed, it was found, no longer exist or are not in business. A final listing of high risk facilities was developed by eliminating those facilities/business outside of the City's MS4. As a result of this process, it was determined that there are currently 26 high risk facilities within the MS4 and are reported in the referenced file.

High Risk Facility SOP: Did not include procedures for addressing illicit discharges or resources. **Revise and submit SOP to include procedures for addressing illicit discharges to the MS4 and a description of resource allocated to implement the program.**

City Response:

See the High Risk Facility Inspection, Standard Operational/Maintenance/Documentation Protocol contained in the attached **City of Riviera Beach 'Standard Operating Procedures (SOPs)'** file. The previous City Response above explains how the

Envirosearch webpage was utilized to prioritize the high risk facilities for inspection and documentation purposes. See the **City of Riviera Beach 'High Risk Facilities Inspections'** file for the inventory of current high risk facilities.

Illicit discharges from high risk facilities, when reported, will be documented on the **'High Risk Facilities Proactive Illicit Discharge/Illegal Connection Inspection'** Forms. The program will be administered by the Department of Public Works, Stormwater Manager. Inspections will be performed by the Stormwater Manager or his designee. These resource allocations have been approved in the City budget to implement the program.

City of Riviera Beach, Florida

NPDES Stormwater Permitting Program
FY 18/19

*'Structural Controls'
Inspections*

Exfiltration Trench – Structural Control Inspection

Address and/or Zone/Inspector(s): 578 W. 4th St. & 601 W. 6th St.; approx. 150 linear feet of exfiltration trench/ Sedrick Clark, Stormwater Manager and Jack Horniman, JLH Associates

Date: 2/8/19

Inspection conducted 3 days/hours after significant rainfall event.

FUNCTION:

Standing water in observation well, inspection port, or inlet YES NO

Standing water above inlet grates? YES NO

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Sediment amount less than one foot below pipe invert in up or downstream structure? YES NO

Sediment visible in pip YES NO

Debris accumulation at weir? YES NO

If YES, describe and schedule for maintenance:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, use the Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper response: N/A

Grass Swale -Structural Control Inspection

Address and/or Zone/Inspector(s): Dr. Martin Luther King Jr. Blvd from Pres. Barack Obama Blvd. to SR 708 (Military Trail); approximately 3.7 miles of grass swales /Sedrick Clarke Stormwater Manager & Jack Horniman, JLH Associates

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Wet bottom?	Yes	<u>No</u>
Aquatic vegetation present?	Yes	<u>No</u>
Dead or dying grass on bottom?	Yes	<u>No</u>
Sediment accumulation?	Yes	<u>No</u>
Grading issue?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

EROSION:

Vegetation on bottom or side slopes failing?	Yes	<u>No</u>
Any signs of erosion?	Yes	<u>No</u>

If YES, describe and schedule for maintenance. N/A

GENERAL:

Any signs of of damage from parking in swale	Yes	<u>No</u>
Any fences or objects that could obstruct flow into/through the swale?	Yes	<u>No</u>

If YES, schedule for maintenance. N/A

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Wet Detention System -Structural Control Inspection

Address and/or Zone/Inspector(s): Congress Lakes Subd./Sedrick Clarke Stormwater Manager & Jack Horniman, JLH Associates

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Pond/Lake level above control elevation longer than recovery time? Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

EROSION:

Vegetation on bottom or side slopes failing? Yes No

Any signs of erosion? Yes No

If YES, describe and schedule for maintenance. N/A

INFLOW STRUCTURE:

Any signs of erosion? Yes No

Any signs of structure settling? Yes No

Any signs of physical damage? Yes No

Any signs of accumulated sediments?

If YES, remove debris or schedule for maintenance. Not necessary

OUTFLOW STRUCTURE:

Any signs of erosion? Yes No

Any signs of structure settling? Yes No

Any signs of physical damage? Yes No

Any signs of sediment accumulation? Yes No

If YES to any of the above, schedule structure for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Major Stormwater Outfall RC-1D -Structural Control Inspection

Address and/or Zone/Inspector(s): 2/60 " CMP; located an east side of C-17 Canal, south of Blue Hewron Boulevard (the centrally located outfall discharging into C-17)/Sedrick Clarke Stormwater Manager and Jack Horniman, JLH Associates.

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or sediment accumulation in pipe? Yes No

Barnacle accumulation in pipe? Yes No

Sediment accumulation in receiving water Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Signs of erosion on bank near outfall?. Yes No

Rip-rap in need of maintenance? Yes No

Headwall in need of repair/replacement? Yes No

If YES, schedule for maintenance. Not necessary

Major Stormwater Outfall RC-2C-Structural Control Inspection

Address and/or Zone/Inspector(s): 2/52" CMP; located on east side of C-17 Canal, south of Blue Heron Boulevard (southerly most outfall discharging into C-17)/Sedrick Clarke Stormwater Manager and Jack Horniman, JLH Associates.

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or sediment accumulation in pipe? Yes No

Barnacle accumulation in pipe? Yes No

Sediment accumulation in receiving water Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Signs of erosion on bank near outfall?. Yes No

Rip-rap in need of maintenance? Yes No

Headwall in need of repair/replacement? Yes No

If YES, schedule for maintenance. Not necessary

Major Stormwater Outfall RC-4-Structural Control Inspection

Address and/or Zone/Inspector(s): 60" CMP; located on west side of Intracoastal Waterway (ICWW), south of Blue Heron bridge at marina/Sedrick Clarke Stormwater Manager and Jack Horniman, JLH Associates.

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or sediment accumulation in pipe? Yes No

Barnacle accumulation in pipe? Yes No

Sediment accumulation in receiving water Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Signs of erosion on bank near outfall?. Yes No

Rip-rap in need of maintenance? Yes No

Headwall in need of repair/replacement? Yes No

If YES, schedule for maintenance. Not necessary

Major Stormwater Outfall RC-5 -Structural Control Inspection

Address and/or Zone/Inspector(s): 72" Concrete Metal Pipe (CMP); located on east side of C-17 Canal, south of Blue Heron Boulevard (most northerly of outfalls discharging into C-17)/Sedrick Clarke Stormwater Manager and Jack Horniman, JLH Associates.

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or sediment accumulation in pipe? Yes No

Barnacle accumulation in pipe? Yes No

Sediment accumulation in receiving water Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Signs of erosion on bank near outfall?. Yes No

Rip-rap in need of maintenance? Yes No

Headwall in need of repair/replacement? Yes No

If YES schedule for maintenance. Not necessary

Major Stormwater Outfall Singer Island System-Structural Control Inspection

Address and/or Zone/Inspector(s): 60" CMP; located on east side ICWW, south of Blue Heron bridge/Sedrick Clarke Stormwater Manager and Jack Horniman, JLH Associates.

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or sediment accumulation in pipe? Yes No

Barnacle accumulation in pipe? Yes No

Sediment accumulation in receiving water Yes No

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Signs of erosion on bank near outfall?. Yes No

Rip-rap in need of maintenance? Yes No

Headwall in need of repair/replacement? Yes No

If YES, schedule for maintenance. Not necessary

Pipes/Culverts-Structural Control Inspection

Address and/or Zone/Inspector(s): Ave. S (between Silver Beach Road and 15th Street); Ave. R (between Silver Beach Road and Blue Heron Blvd.); Ave. J (between north side of City to south side of City); approximately 10% of total pipes; or, 4 miles/Sedrick Clarke Stormwater Manager

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Evidence of settling above the pipe alignment? Yes No

Sediment accumulation in pipe (viewed from inlets, manholes, etc.)? Yes No

Sediment accumulation in pipe (viewed from inlets, manholes, outfalls, etc.)? Yes No

If YES, report to supervisor for further investigation. N/A

GENERAL:

Any indications of illicit discharges? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and report to supervisor for proper maintenance. N/A

Conveyance (Ditch & Canal) System -Structural Control Inspection

Address and/or Zone/Inspector(s): RC-4; 4 miles, or approximately 10% of conveyance system mileage/Sedrick Clarke Stormwater Manager & Jack Horniman, JLH Associates

Date: 2/8/19

Inspection conducted 3 days after significant rainfall event

FUNCTION:

Debris or trash present	Yes	<u>No</u>
Sediment accumulation?	Yes	<u>No</u>
Grading issue?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

EROSION:

Vegetation on bottom or side slopes failing?	Yes	<u>No</u>
Any signs of erosion?	Yes	<u>No</u>

If YES, describe and schedule for maintenance. N/A

GENERAL:

Any indications of illicit discharge or illegal dumping? Yes No

If YES, use Proactive Illicit Discharge/Illegal Connection Inspection Form and describe and report to supervisor for proper maintenance. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W.15th Street and Ave. R/Sedrick Clarke, Stormwater Manager

Date: 2/8/19

Inspection conducted 3 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of W.15th Street and E. of Ave.R/& RR tracks/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 2000 Ave. P/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	<u>Yes</u>	No
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. No action necessary; flow was not restricted.

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: SW intersection of Australian Ave. & W. 10th St./Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of W. 10th St. & Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of W. 10th St. & Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of W. 9th St. & Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of W. 9th St. & Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 9th St. @ Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 9th St. @ Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of 13th St. and Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of 13th St. and Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W. of 13th St. between Pres. Barack Obama Blvd.& 13th Ct. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W. of 13th St. between Pres. Barack Obama Blvd.& 13th Ct. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W. of 13th St. just W. of 13th Ct. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W. of 13th St. just W. of 13th Ct. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 837 W. 13th St. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 837 W. 13th St. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 891 W. 13th St. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 891 W. 13th St. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 900 W. 13th St. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 900 W. 13th St. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 951 W. 13th St. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 951 W. 13th St. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge Inspection/Illegal Connection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 951 W.13th St. just E. of 13th Ct. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: 951 W.13th St. just E. of 13th Ct. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W.13th St. just E. of Australian Ave. (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W.13th St. just E. of Australian Ave. (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W.13th St. @ RGF Environmental (N. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: W.13th St. @ RGF Environmental (S. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of W.13th St. and Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of W.13th St. and Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of RR tracks N. of W.13th St. and Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: N. of RR tracks N. of W.13th St. and Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of W.17th St. and Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of Blue Heron Blvd. and Australian Ave. (E. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
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If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: S. of Blue Heron Blvd.and Australian Ave. (W. side)/Sedrick Clarke, Stormwater Manager

Date: 5/3/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
--	-----	-----------

If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: E. side of Broadway just S. of E.14th Street /Sedrick Clarke, Stormwater Manager

Date: 2/8/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
--	-----	-----------

If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: E. side of Broadway just N. of E.14th Street /Sedrick Clarke, Stormwater Manager

Date: 2/8/19

Inspection conducted 2 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
--	-----	-----------

If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: E. side of Broadway just S. of E.15th Street /Sedrick Clarke, Stormwater Manager

Date: 2/8/19

Inspection conducted 3 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
--	-----	-----------

If YES, complete Proactive Illicit Discharge Inspection/Illegal Connection Form and submit to supervisor for proper response. N/A

Inlets/Catch Basins/Grates – Structural Control Inspection

Address and/or Zone/Inspector: E. side of Broadway just N. of E.15th Street /Sedrick Clarke, Stormwater Manager

Date: 2/8/19

Inspection conducted 3 days after significant rain event.

FUNCTION:

Debris or sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Barnacle accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Sediment accumulation in inlet/catch basin/grate?	Yes	<u>No</u>
Evidence of settling of pipe – misalignment?	Yes	<u>No</u>
Inlet/catch basin/grate in need of repair/replacement?	Yes	<u>No</u>

If YES, report to supervisor for further investigation or schedule for maintenance. N/A

ILLICIT DISCHARGE INDICATIONS:

Any indications of illicit discharge or illegal dumping?	Yes	<u>No</u>
--	-----	-----------

If YES, complete Proactive Illicit Discharge/Illegal Connection Inspection Form and submit to supervisor for proper response. N/A

**Structural Control
Proactive Illicit Discharge/Illegal Connection Inspection Form**

Date of Inspection: _____ New Inspection ___ , OR
Follow-Up Inspection ___

Address of Facility OR General Description of Area Inspected/Inspector:

_____:

Identification of MS4 component that could receive discharge from this site/area:

If Facility inspection, does type of business require an MSGP? Yes ___ No ___

If yes, does this facility have one? Yes ___ No ___

Findings:

Evidence of illicit connections to storm sewer? Yes ___ No ___

Evidence of dumping/spills to storm sewer? Yes ___ No ___

Evidence of wash water going to storm sewer? Yes ___ No ___

Storage tanks leaking or improperly contained? Yes ___ No ___

Stockpiles/debris piles uncontained? Yes ___ No ___

If "yes," to any above, describe and schedule response:

Type of Enforcement Action Taken:

Date to verify elimination:

Date of Referral to FDEP of facility that may require MSGP:

Maintenance/Equipment Yard Inspection

Facility: _____

Date of Inspection: _____

Address/Inspector: _____

 If site discharges to MS4, provide: Latitude/Longitude of discharge point:
 _____ and receiving water body: _____

YES NO N/A

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Materials/chemicals are stored, handled, and discarded in a manner to protect from potential risk of spills entering the MS4 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A spill kit is on site |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Outfalls, inlets, and outlets of stormwater treatment systems are free of debris/pollutants |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Storage tanks are clearly marked, properly contained, and protected from potential damage |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Loading, unloading, and transfer areas are neat and free of spills/debris/pollutants |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Vehicle maintenance areas are properly maintained and draining to the treatment or sanitary sewer line |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Outdoor stockpile/material handling areas are properly maintained and the materials are properly contained (i.e., no potential to leak or leach pollutants) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Trash and debris areas are conspicuous and properly protected from stormwater runoff |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fueling stations are free of petroleum product spills/leaks |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Vehicle wash and rinse areas are draining to the treatment system or sanitary sewer line |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | The site was free of any visual indication of potential illicit connection/illicit discharge to the MS4. If no, note type of indication:
Odor <input type="checkbox"/> Color <input type="checkbox"/> Foam <input type="checkbox"/> Sheen <input type="checkbox"/> Surface Scum
<input type="checkbox"/> Solids <input type="checkbox"/> Turbidity |

INDUSTRIAL SITES ONLY

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | MSGP Notice of Intent (FDEP Form 62-621.300(5)(b)) was submitted to DEP |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Stormwater Pollution Prevention Plan was on site and implemented, per the MSGP |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Required SWPPP inspection and maintenance report forms completed, per the MSGP |

Use reverse side of form for comments.

City of Riviera Beach, Florida

NPDES Stormwater Permitting Program
FY 18/19

'High Risk Facilities Inspections'

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: A-1 American Metal

Address and/or Zone/Inspector: 935 W. 15th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
RC-1D

Findings:

- Evidence of illicit connection to storm sewer? Yes No
- Evidence of dumping/spills to storm sewer Yes No
- Evidence of wash water going into storm water? Yes No
- Storage tanks leaking or improperly contained? Yes No
- Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: Outdoor stockpiles of metal.

Type of Enforcement Action Taken: None required.

Date to verify elimination: Not Applicable (N/A)

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: Atlas Signs

Address and/or Zone/Inspector: 1107 Blue Heron Blvd. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Blue Heron Blvd.

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form /Proactive Inspection

Date of Inspection: 8/6/19

Name of Business or Owner: Artistry Masters of Woodcraft

Address and/or Zone/Inspector: 951 W. 13th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
13th St. grass swale system

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/6/19

Name of Business or Owner: Birdsell, Inc.

Address and/or Zone/Inspector: 1489 MLK Blvd. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
RC-2C

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/6/19

Name of Business or Owner: BK Automotive

Address and/or Zone/Inspector: 2101 Broadway /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: Core and Marine

Address and/or Zone/Inspector: 1101 W. 17th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

- | | | |
|--|---|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

If Yes, to any above, describe: Outdoor storage of pipes

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspections

Date of Inspection: 7/26/19

Name of Business or Owner: Crackerboy

Address and/or Zone/Inspector: 1124 Ave. L. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: E-Z Weld

Address and/or Zone/Inspector: 1611 Barack Obama Blvd. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Within MS4, but discharges directly into the PBC storm system (Barack Obama Blvd.)

Findings:

- Evidence of illicit connection to storm sewer? Yes No
- Evidence of dumping/spills to storm sewer Yes No
- Evidence of wash water going into storm water? Yes No
- Storage tanks leaking or improperly contained? Yes No
- Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive

Date of Inspection: 7/26/19

Name of Business or Owner: Envirolight

Address and/or Zone/Inspector: 1967 W. 9th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17 Canal

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: Envirowaste Services Group, Inc.

Address and/or Zone/Inspector: 1961 W. 9th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17 Canal

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 7/26/19

Name of Business or Owner: Estes Express Lines

Address and/or Zone/Inspector: 1301 W. 15th St. /S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
RC-1D

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/6/19

Name of Business or Owner: Farmer and Irwin Group

Address and/or Zone/Inspector: 3300 Ave. K/S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
(Fill-In)

Findings:

- Evidence of illicit connection to storm sewer? Yes No
- Evidence of dumping/spills to storm sewer Yes No
- Evidence of wash water going into storm water? Yes No
- Storage tanks leaking or improperly contained? Yes No
- Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: Outdoor storage of PVC piping, hoses, metals, etc.

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Mosley Auto Care Center, Inc.

Address and/or Zone/Inspector: 1900 Ave. L/S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:

Ave. L grass swale

Findings:

- | | | | | |
|--|-----|--------------------------|----|-------------------------------------|
| Evidence of illicit connection to storm sewer? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/14/19

Name of Business or Owner: Motor Cars of Distinction, Inc.

Address and/or Zone/Inspector: 1961-D W. 19th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

Evidence of illicit connection to storm sewer? Yes No

Evidence of dumping/spills to storm sewer Yes No

Evidence of wash water going into storm water? Yes No

Storage tanks leaking or improperly contained? Yes No

Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/9/19

Name of Business or Owner: Palm Beach Aircraft Propellor, Inc.

Address and/or Zone/Inspector: 835 W. 13th Ct./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
(Fill-In)

Findings:

- Evidence of illicit connection to storm sewer? Yes ___ No ___
- Evidence of dumping/spills to storm sewer Yes ___ No ___
- Evidence of wash water going into storm water? Yes ___ No ___
- Storage tanks leaking or improperly contained? Yes ___ No ___
- Stockpiles/debris piles uncontained? Yes ___ No ___

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/14/19

Name of Business or Owner: Palm Beach Marble

Address and/or Zone/Inspector: 1750 Australian Ave., Suite 5/S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Within MS4, but discharges directly into the PBC storm system

Findings:

- Evidence of illicit connection to storm sewer? Yes No
- Evidence of dumping/spills to storm sewer Yes No
- Evidence of wash water going into storm water? Yes No
- Storage tanks leaking or improperly contained? Yes No
- Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/9/19

Name of Business or Owner: Perma Tech, Inc.

Address and/or Zone/Inspector: 931 W. 15th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Barack Obama Blvd.

Findings:

Evidence of illicit connection to storm sewer? Yes No

Evidence of dumping/spills to storm sewer Yes No

Evidence of wash water going into storm water? Yes No

Storage tanks leaking or improperly contained? Yes No

Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: Outdoors storage, stockpiles and debris.

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/9/19

Name of Business or Owner: Reliable Tool and Machine, Inc.

Address and/or Zone/Inspector: 328 11th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- Evidence of illicit connection to storm sewer? Yes No
- Evidence of dumping/spills to storm sewer Yes No
- Evidence of wash water going into storm water? Yes No
- Storage tanks leaking or improperly contained? Yes No
- Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Riviera Beach Marina

Address and/or Zone/Inspector: 200 E. 13th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Riviera Beach Public Works

Address and/or Zone/Inspector: 2391 Ave. L/S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

Evidence of illicit connection to storm sewer? Yes No

Evidence of dumping/spills to storm sewer Yes No

Evidence of wash water going into storm water? Yes No

Storage tanks leaking or improperly contained? Yes No

Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Riviera Beach Utility

Address and/or Zone/Inspector: 600 W. Blue Heron Blvd./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Sun Art Painting, Corp.

Address and/or Zone/Inspector: 1966 W. 9th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Topline Printing and Graphics, Inc.

Address and/or Zone/Inspector: 1770 W. 10th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

Evidence of illicit connection to storm sewer? Yes No

Evidence of dumping/spills to storm sewer Yes No

Evidence of wash water going into storm water? Yes No

Storage tanks leaking or improperly contained? Yes No

Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Total Engine Concepts, Inc.

Address and/or Zone/Inspector: 2391 Old Dixie Hwy-Barack Obama Blvd./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Within MS4, but discharges directly into the PBC storm system (Barack Obama Blvd.)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/14/19

Name of Business or Owner: UPS-Ground Freight

Address and/or Zone/Inspector: 1311 W. 15th St./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
C-17

Findings:

Evidence of illicit connection to storm sewer? Yes No

Evidence of dumping/spills to storm sewer Yes No

Evidence of wash water going into storm water? Yes No

Storage tanks leaking or improperly contained? Yes No

Stockpiles/debris piles uncontained? Yes No

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

'High Risk Facility' Inspection Form/Proactive Inspection

Date of Inspection: 8/7/19

Name of Business or Owner: Viking Yacht Service Center

Address and/or Zone/Inspector: 2391 Old Dixie Hwy-Barack Obama Blvd./S. Clarke & J. Horniman

Identification of MS4 component that could receive discharge from the site:
Lake Worth Lagoon (ICWW)

Findings:

- | | | |
|--|------------------------------|--|
| Evidence of illicit connection to storm sewer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of dumping/spills to storm sewer | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Evidence of wash water going into storm water? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Storage tanks leaking or improperly contained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Stockpiles/debris piles uncontained? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If Yes, to any above, describe: N/A

Type of Enforcement Action Taken: None required.

Date to verify elimination: N/A

City of Riviera Beach, Florida

NPDES Stormwater Permitting Program
FY 18/19

'Standard Operating Procedures (SOPs)'

Exfiltration Trench - Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
-City of Riviera Beach-

There are 150 linear feet of exfiltration trench that are part of our MS4; the systems are located as shown on the following map.

Inspections:

Established exfiltration trench is inspected once every three years, using the Exfiltration Trench - Structural Control Inspection Form. The Stormwater Manager, and/or his designee, will perform the inspections.

New exfiltration trench is inspected annually for the first two years of operation.

If chronic problems are identified with a run of exfiltration trench, it is inspected annually until the problem is resolved (two consecutive annual inspections without an issue).

The inspection to check for proper function is conducted close to the recovery time of that exfiltration trench system (generally 72 hours after a significant rainfall event) to verify that the system still functions as intended. The inspection of sediment accumulation in the system is conducted in dry weather.

The anticipated inspection schedule is April, or at other appropriate times to get effective and accurate results. A record of inspections shall be kept/stored in the NPDES Log associated with the current year Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with exfiltration trench. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove sediment in pipe(s) and/or upstream and downstream structures. This may be done by flushing or vacuuming.
2. Remove trash and debris from the system and dispose of properly.
3. Total rehabilitation (removal and replacement) of the exfiltration trench system may be required when the system fails to function at the design capacity.

Documentation:

The documentation of the inspection activities related to exfiltration trench is the inspection form cited above and/or maintenance work orders.

**Grass Swale System – Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach -**

There are 11 miles of public roadway swales that are part of our MS4. The swale segments are located as shown on the following map.

Inspections:

Established swales are inspected at least once every three years, using the following 'Grass Swale - Structural Control Inspection' Forms. In addition, all swales are observed for problems that may impact their functionality whenever they are mowed/maintained. Inspections will be performed by the Stormwater Manager, and/or his designee.

The anticipated schedule for inspections April, or at other appropriate times to get effective and accurate results. A record of inspections shall be kept/stored in the NPDES Log associated with the current Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with swales. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Mow grass.
2. Remove trash and debris from system and dispose of properly.
3. Remove accumulated sediment from the inflow and/or outflow pipe and dispose of properly.
4. Eliminate any mosquito breeding habitats.
5. Repair any undercutting or piping around inflow and/or outflow structure.
6. Repair and re-establish any eroded areas on the bottom, side slopes, and/or near any structure.
7. Scrape, disc, or otherwise aerate the bottom of the swale to restore the infiltration capacity. Include soil testing, if needed, to verify that the infiltration capacity has been restored. Re-establish the surface to its final condition (seed, sod, etc...)

Documentation:

The documentation for the inspection and maintenance activities related to swales is Grass Swale - Structural Control Inspection Form and/or maintenance work orders.

**Wet Detention System – Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach-**

There is one (1) wet detention systems that is part of our MS4; it is shown on the following map.

Inspections:

Established wet detention systems are inspected once every three years, using the '**Wet Detention System - Structural Control Inspection**' Form. In addition, they are observed for problems that may impact the functionality whenever the side slopes are maintained (mowed, trimmed, etc.). Inspections will be performed by the Stormwater Manager and/or his designee.

New wet detention systems are inspected annually for the first two years of operation.

If chronic problems are identified with a wet detention system, it is inspected annually until the problem is resolved (two consecutive annual inspections without an issue).

Inspections are conducted close to the storage recovery time of the wet detention system (generally 72 hours after a significant rainfall event) to verify that the system still functions as intended.

The anticipated schedule is April, or at other appropriate times to get effective and accurate results. A record of the inspections shall be kept/stored in the NPDES Log for the current year Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with a wet detention system. The appropriate activity will be chosen to correspond to the reported condition. The following activities may be required:

1. Maintain and re-establish any eroded areas on side slopes.
2. Repair any undercutting or piping around inflow and/or outflow structure(s).
3. Remove trash and debris from system and dispose of properly.
4. Remove accumulated sediment from the inflow and/or outflow pipe and dispose of properly.
5. Remove any trees or shrubs that may have become established near the discharge structure/pipe.
6. Remove exotic vegetation from the littoral zone (if applicable) and replant as needed.
7. Remove accumulated sediments from basin to restore design storage volume.

Documentation:

The documentation for the inspection and maintenance activities to Wet Detention Systems is the inspection form cited above and/or maintenance work orders.

**Pollution Control Box/Weir-Structural Control Inspection
Standard Operation/Maintenance/Documentation Protocol
-City of Riviera Beach-**

There is 1 pollution control box device that serves a weir structure that is part of our MS4; it is located on the following map.

The purpose of a pollution control box at the weir is the removal of debris, sediments, oils and/or other materials from the stormwater stream before it discharges into a receiving body. Thus, the more material removed by these devices, the better. Frequent inspection and maintenance is the key to the proper function of these units.

Inspections:

The pollution control box and weir are inspected quarterly, unless historic operations indicate that a less or more frequent inspection schedule is needed for particular pollution control and weir. Inspections are conducted in accordance with the pollution control box recommendations. In general, inspections will include the items listed on the **Pollution Control Box/Weir Structural Control Inspection** Form. Inspections will be performed by the Stormwater Manager and/or his designee.

The anticipated inspection schedule follows: January, April, July, October, or other appropriate time and intervals, every year. A record of the inspections shall be kept/stored in the NPDES Log associated with the current Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with pollution control boxes. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris from system and dispose of properly.
2. Remove accumulated sediment and dispose of properly.
3. Remove accumulated vegetative matter and dispose of properly.
4. Replace absorbent materials as required.
5. Repair damage to structure, inflow or outflow pipes.

Documentation:

The documentation for the inspection and maintenance activities related to pollution control boxes and weir is the inspection form cited above, and maintenance work orders.

**Major Stormwater Outfalls – Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach-**

There are 5 major stormwater outfall (MSWOs) that is part of the City's MS4. A MSWO is defined as:

- an outfall pipe larger than 36-inch inside diameter (or its equivalent), OR
- discharge from a single conveyance other than a pipe that serves a drainage area of 50 acres or more, OR
- an outfall pipe larger than 12-inches inside diameter (or its equivalent) that serves a drainage area containing industrial land uses, OR
- discharge from a single conveyance other than a pipe that serves a drainage area of 2 acres or more than include industrial land uses.

The MSWOs within our MS4 are located on the map at the end of this section.

Inspections:

The MSWOs are inspected annually (soon after a rain storm when possible), or more frequently if historic operations indicate that it's needed for a particular MSWO. Inspections are conducted in accordance with the following Structural Control Inspection Form. Inspections will be performed by the Stormwater Manager and/or his designee

The anticipated inspection schedule follows:

April of every year and/or after a major storm. A record of the inspections shall be kept/stored in the NPDES Log associated with the current year Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with MSWOs. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Maintain earthen bank adjacent to the discharge pipe or headwall.
5. Maintain the headwall at the outfall, if applicable.
6. Repair/replace pipe if needed.

Documentation:

The documentation for the inspection and maintenance activities related to the major stormwater outfalls will be recorded on the 'Major Stormwater Outfall - Structural Control Inspection' Form and retained in the City NPDES Log for the appropriate permit year. If illicit discharges or illegal dumping of debris into the facility is detected, then it will be reported on a Proactive Illicit Discharge/Illegal Connection Inspection Form, attached to the 'Major Stormwater Outfall Inspection Form' and reported to the supervisor and maintenance will be scheduled.

Pipes/Culverts – Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach -

There are 40 miles of pipes/culverts that are part of the City's MS4. The locations are shown on the following map at the end of this section. The value and the location on the map do NOT include exfiltration trench, which is catalogued separately. Each pipe segment (between two structures or between a structure and an outfall) has a unique identification. This information is stored in a hardcopy maps of the system, as well as in electronic format.

Inspections:

At least 10% of the total number of linear feet of pipes/culverts is inspected each year. The inlets, catch basins, and grates associated with a pipe/culvert system shall be inspected concurrently with those pipes/culverts. Visual inspections are conducted during or immediately after a rain storm and in accordance with the inspection form/procedure that follows. If warranted, as a result of the visual inspection, a Proactive Illicit Discharge/Illegal Connection Inspection Form, or work order for maintenance, repair, or a more detailed pipe or structure investigation is generated. A more detailed investigation may include televising the pipe, or using mirrors or other devices, as appropriate, to determine the condition of the pipe/culvert. As a result of the more detailed investigation, a work order for maintenance or repair may be generated. Cleaning of pipes may be accomplished by vacuuming or other available current cleaning devices. Inspections will be performed by the Stormwater Manager and/or his designee.

Inspections will be performed in April, or at other appropriate times for effective and accurate results. A record of the inspections shall be kept/stored in the NPDES Log for the current year Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with stormwater networks . The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.
5. Repair/replace the headwall at the end of the pipe, if applicable.
6. Repair/replace pipe or structure, if needed.

Documentation:

The documentation for the inspection and maintenance activities related to the pipes/culverts will be reported on the 'Pipes/Culverts - Structural Control' Inspection Forms and retained in the City NPDES Log for the appropriate permit year. If illicit discharges or illegal dumping of debris into the facility is detected, then it will be reported on a Proactive Illicit Discharge/Illegal Connection Inspection Form, attached to the 'Pipes/Culverts Inspection Form' and reported to the supervisor and maintenance is scheduled.

**Conveyance (Ditch & Canal) System- Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
-City of Riviera Beach-**

there are 33 miles of ditches and/or canals that are part of our MS4; the segments are located on the following map.

Inspections:

At least 10% of the total length of conveyance system (ditches and/or canals) is inspected each year, using the **Conveyance (Ditch & Canal) System-Structural Control Inspection** Form. In addition, they are observed for problems that may impact their functionality whenever the banks are maintained. Inspections will be performed by the Stormwater Manager, or his designee.

The anticipated schedule is follows:

April of every year or after every major storm. A record of the inspections shall be kept/stored in the NPDES log associated with the current Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with ditches and canals. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Mow/cut vegetative cover above normal water line.
2. Remove trash and debris from system and dispose of properly.
3. Remove accumulated sediment from the bottom to restore design conveyance capacity and storage volume.
4. Repair and re-establish any eroded areas on the bottom, side slopes, and/or top of bank.

Documentation:

The documentation for the inspection and maintenance related to the Conveyance system is the inspection form cited above and/or work orders.

**Inlets/Catch Basins/Grates – Structural Control Inspection
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach -**

There are 407 inlets/catch basins/grates that are part of the City's MS4. The locations are shown on the map at the end of this section. These values and the locations do not include exfiltration trenches. Each inlet/catch basin/grate has a unique identification. This information is stored on hardcopy maps and in electronic format.

Inspections:

Inlets/ catch basins/grates are inspected concurrently with pipe inspections. Visual inspections are conducted in accordance with the 'Inlets/Catch Basins/Grates - Structural Control Inspection' Forms. If warranted, as a result of the visual inspection, a work order for maintenance, repair, or a more detailed pipe or structure investigation is generated. A more detailed investigation may include televising the pipe, or using mirrors or other devices, as appropriate, to determine the condition of the pipe/culvert. As a result of the more detailed investigation, a work order for maintenance or repair may be generated. Inspections shall be performed by the Stormwater Manager, or his designee,

Inspections will be performed in April, or at other appropriate times for effective and accurate results. A record of inspections shall be kept/stored in the NPDES Log associated with the current year Annual NPDES Report for reference in subsequent annual reports.

Maintenance:

There are several maintenance activities that may be associated with stormwater networks . The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.
5. Repair/replace the headwall at the end of the pipe, if applicable.
6. Repair/replace pipe or structure, if needed.

Documentation:

The documentation for the inspection and maintenance activities related to the inlets/culverts/grates will be reported on the 'Inlets/Catch Basins/Grates - Structural Control Inspection Forms' and retained in the Town Log for the appropriate permit year. If illicit discharges or illegal dumping of debris into the facility is detected, then it will be reported on a Proactive Illicit Discharge/Illegal Connection Inspection Form, attached to the 'Inlets/Catch Basins/Grates Inspection Form' and reported to the supervisor and maintenance is scheduled.

Litter Control Program
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach

The Litter Control Program for the City of Riviera Beach consists of 8.4 miles of public streets, roadways, and rights-of-way within our jurisdiction. Litter collection is performed concurrently with street sweeping activities and in accordance with the Street Sweeping Schedule. A map of litter collection areas maintained by the City of Riviera Beach is attached. (*See: Appendix A*).

Inspections:

The City of Riviera Beach Department of Public Works, Department of Parks & Recreation, and Utilities District conduct inspections for litter prior to mowing and daily maintenance.

The frequency of collection is:

Daily pick-up as shown on the Daily Litter Collection Map by Department of Public Works, Streets and Grounds personnel; and is then delivered to the City of Riviera Beach Transfer Facility at 1117 Ave. L until picked up by the Solid Waste Authority; monitored at site away from the stormwater system; inspected every week and put (stored) in dumpster.

Maintenance:

There are several maintenance activities that may be associated with litter control. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove and replace trash bags in City receptacles.

Documentation:

1. Documentation of volume of litter collected will be kept in a log book by date and is summarized for reporting each year.
2. All collected litter is properly disposed of at the Solid Waste Authority facility.
3. The City of Riviera Beach participates in the Great American Cleanup and the International Coastal Cleanup. There is not an "Adopt-a-Road" program in place.

Street Sweeping Program
Standard Operational/Maintenance/Documentation Protocol
-City of Riviera Beach-

The Street Sweeping Program for the City of Riviera Beach consists of 8.4 miles of public streets and roadways within our jurisdiction. Street sweeping is performed in accordance with the Street Sweeping Schedule. A map of the street sweeping routes is attached. *(See: Appendix B).*

Inspections:

In reference to street sweeping, the City of Riviera Beach Department of Public Works; Stormwater Division, conducts field inspections through visually assessing streets and roadways for debris. The City has a set daily street sweeping schedule, in addition to, specific work orders being issued that require street sweeping.

Maintenance:

The frequency of street sweeping is “daily,” as shown on the Street Sweeping Schedule Map (because it varies by location).

The areas swept most frequently are the priority areas. Street sweeping is performed by a trained staff person from the Department of Public Works.

Street sweepings are stored at East Central Regional Water Reclamation Facility, 4357 Easley Drive, West Palm Beach, Florida 33417. The sweepings are stored in a drying bed for containment. When full, the material is took to the County landfill.

Documentation:

Documentation of volume of street sweeping collection will be kept in a log book by date.

An estimate of total phosphorus and total nitrogen collected by street sweeping is performed based on the FSA Spreadsheet tool's determination of street sweeping removal rates.

All street sweeping collection is properly disposed of in accordance with DEP's "Guidance For The Management of Street Sweepings, Catch Basin Sediments and Stormwater System Sediments.”

Maintenance/Equipment Yard Practices
Standard Operational/Maintenance/Documentation Protocol
-City of Riviera Beach-

Below are the standard practices in place at those facilities. Street sweeping material is stored in a drying bed for containment at East Central Regional Water Reclamation Facility, 4357 Easley Drive, West Palm Beach, Florida 33417, while litter is stored at the City of Riviera Beach Transfer Facility, 1117 Avenue L, Riviera Beach, Florida 33404, until transferred by and to Solid Waste Authority.

General Housekeeping:

Keep your Spill Prevention Control and Countermeasure (SPCC) Plan up-to-date, and implement accordingly.

Place adequate stockpiles of spill cleanup materials where they are readily accessible.

Keep work sites clean and orderly. Remove debris in a timely fashion.

Spot clean leaks and drips routinely. Leaks are not cleaned up until the absorbent is picked up and disposed of properly.

Clean leaks, drips, and other spills with as little water as possible. Use rags for small spills, a damp mop for general cleanup, and dry absorbent material for larger spills. Use the following three-step method for cleaning floors:

1. Clean spills with rags or other absorbent materials
2. Sweep floor using dry absorbent material
3. Mop the floor. Mop water may be discharged to the sanitary sewer via a toilet or sink.

Sweep the maintenance area weekly, if it is paved, to collect loose particles. Do not hose down the area to a storm drain.

Report leaking vehicles to fleet maintenance.

Vehicle/Equipment Fueling:

Design fueling area to prevent stormwater runoff and spills.

Apply a suitable sealant that protects the asphalt from spilled fuels in areas where covering is infeasible and the fuel island is surrounded by pavement.

Use secondary containment when transferring fuel from the tank truck to the fuel tank. Cover storm drains in the vicinity during transfer.

Maintain clean fuel-dispensing areas using dry cleanup methods such as sweeping for

removal of litter and debris, or use of rags and absorbents for leaks and spills. Do not wash down areas with water.

Post signs at the fuel dispenser or fuel island warning vehicle owners/operators against "topping off" of vehicle fuel tanks.

Vehicle/Equipment Washing:

If possible, use properly maintained off-site commercial washing and steam cleaning businesses whenever possible. These businesses are better equipped to handle and properly dispose of the wash waters.

Consider washing vehicles and equipment inside the building if washing/cleaning must occur on-site. This will help to control the targeted constituents by directing them to the sanitary sewer.

Design wash areas to properly collect and dispose of wash water when engine cleaning is conducted and when chemical additives, solvents, or degreasers are used. This may include installation of sumps or drain lines to collect wash water or construction of a berm around the designated area and grading of the area to collect wash water as well as prevent stormwater run-on.

Post signs stating that only washing is allowed in wash area and that discharges to the storm drain are prohibited.

Use biodegradable, phosphate-free detergents for washing vehicles as appropriate.

Use hoses with nozzles that automatically turn off when left unattended.

Discharge equipment wash water to the sanitary sewer, a holding tank, or a process treatment system, regardless of the washing method used. Discharge vehicle wash water to (1) the sanitary sewer, a holding tank, or process treatment system or (2) an enclosed recycling system.

Vehicle/Equipment Repair:

Move maintenance and repair activities indoors whenever feasible.

If outside, use a vehicle maintenance area designed to prevent stormwater pollution; minimize contact of stormwater with outside operations through berming and appropriate drainage routing.

If temporary work is being conducted outside, use a tarp, ground cloth, or drip pans beneath the vehicle or equipment to capture all spills and drips.

Designate a special area to drain and replace motor oil, coolant, and other fluids. This area should not have any connections to the storm drain or the sanitary sewer and should allow for easy cleanup of drips and spills.

Drain all fluids from wrecked vehicles immediately. Ensure that the drain pan or drip pan is large enough to contain drained fluids (e.g. larger pans are needed to contain antifreeze, which may gush from some vehicles).

Do not pour liquid waste to floor drains, sinks, outdoor storm drain inlets, or other storm

drains or sewer connections.

Dispose of all waste materials according to applicable laws and regulations.

Collect leaking or dripping fluids in drip pans or containers. Fluids are easier to recycle if kept separate. Promptly transfer used fluids to the proper waste or recycling drums and store in an appropriately designed area that can contain spills. Don't leave drip pans or other open containers lying around.

Do not dispose of oil filters in trash cans or dumpsters, which may leak oil and contaminate stormwater. Place the oil filter in a funnel over a waste oil recycling drum to drain excess oil before disposal. Most municipalities prohibit or discourage disposal of these items in solid waste facilities. Oil filters can also be recycled. Ask your oil supplier or recycler about recycling oil filters.

Avoid hosing down your work areas. If work areas are washed, collect and direct wash water to sanitary sewer.

Storage:

If possible, store materials and wastes under cover whenever possible.

Minimize stormwater run-off by enclosing the area or building a berm around it.

Cover the containers where they are stored.

Raise the containers off the ground by use of pallet or similar method, with provisions for spill control and secondary containment.

Use covered dumpsters for waste product containers.

Contain the material in such a manner that if the container leaks or spills, the contents will not discharge, flow, or be washed into the storm drainage system, surface waters or groundwater.

Store cracked and/or dead batteries in a non-leaking covered secondary container and dispose of properly at recycling or household hazardous waste facilities. If equipment (e.g., radiators, axles) is to be stored outdoors, oil and other fluids should be drained first. This is also applicable to vehicles being stored and not used on a regular basis.

Try to keep chemicals in their original containers, and keep them well labeled.

Store idle equipment containing fluids under cover.

Inspections:

The attached form is used for the inspection of each site on an annual/monthly/weekly/ daily basis. (See: Appendix C).

**Pesticide, Herbicide, and Fertilizer (PHF)
Minimization Procedures
- City of Riviera Beach-**

In accordance with our MS4 permit, the City of Riviera Beach continues to endeavor to minimize its use of pesticides, herbicides, and fertilizers (PHFs) on public property. These procedures are established to apply to all PHF applications. The procedures used to achieve this are as follows:

Pesticides & Herbicides Procedures:

Only personnel and contractors, who have proof of certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for the application of pesticides and herbicides, are allowed to apply these products.

Continue to require all City and contract personnel involved in the chemical weed and grass program to be competent, able, and knowledgeable to implement a safe and effective program and have the necessary training and certifications regarding the proper use of equipment and disposal of equipment.

Require proper certification and licensing from the Florida Department of Agriculture and Consumer services (FDACS) for all personnel and contractors applying pesticides and herbicides on City property or right-of-ways.

The City of Riviera Beach currently has two employees who are licensed pesticide applicators through the Florida Department of Agriculture and Consumer Services (FDACS). Oswald Newbold II (License# CM23739; expires July 31, 2023) and Rashod Wiggins (License# CM24740; expires March 31, 2021). Both applicators hold aquatic, right-of-way, and ornamental and turf pest control categories on their licenses. Both licensed applicators attend monthly training for continuing education units (CEU's).

The City follows procedures outlined in the City's Integrated Pest Management (IPM) guidelines, which seek to reduce use of pesticides, herbicides, and fertilizer. To minimize the application of pesticides, herbicides, and fertilizers, the City utilizes mechanical control (i.e. cutting, weed-eating, edging), cultural control (i.e. mulching, changing irrigation practices, hand-pulling weeds, tilling), and biological control (i.e. release of natural enemies or competitors such as parasitic organisms to combat pest). The use of chemical control (i.e. pesticides, herbicides, and algacides) are a last resort measure.

Fertilizers

The City of Riviera Beach shall only contract commercial applicators of fertilizer who are trained through the Green Industry Best Management Practices (GI BMP) Program and Florida Department of Agriculture and Consumer Services (FDACS).

As of January 1, 2014, all personnel and contractors who apply fertilizers must demonstrate proof of training through the Green Industry BMP Program. In addition, contracted applicators are required to prove certification for "urban landscape commercial fertilizer application."

Personnel will continue to receive training on the proper application practices for fertilizers, as needed.

Annually, or more often, training on the proper storage and handling of these products is provided to all relevant personnel. Typically, relevant personnel are required to attend training at the Palm Beach County and UF//IFAS Cooperative Extension Office, 559 North Military Trail, West Palm Beach, Florida 33415.

A list is maintained of all personnel and contractors who have received training, licensing, certification, and annual refresher training.

PHF Application

Implement a pesticide, herbicide and fertilizer application program to minimize the use of pesticides, herbicides and fertilizers on public property and to public properly apply, store and mix these products.

The **Standard Operating Procedures (SOPs) for PHFs** shall be consistent with the Palm Beach Countywide Permit and shall be reviewed annually to include items such as:

- incorporating Florida-Friendly landscaping and fertilization on all landscape projects;
- maintaining an inventory of pesticides, herbicides and fertilizers;
- properly storing products;
- eliminating spraying programs with minimal effectiveness;
- using non-toxic pesticides where practical;
- timing applications for maximum effectiveness by considering growth cycles; and,
- using efficient chemical management practices such as drift-retardants and applying during appropriate weather conditions.

**Proactive Illicit Discharge/Illegal Connection
Inspection Standard
Operational/Maintenance/Documentation
Protocol
-City of Riviera Beach-**

1. Procedure and Criteria for identifying priority areas/facilities

According to the MS4 NPDES permit, priority areas for inspection should include:

- Areas with older infrastructure
- Industrial, commercial, or mixed use areas
- Areas with history of past illicit discharges and/or illegal dumping
- Areas with on-site sewage disposal systems
- Areas upstream of sensitive or impaired water bodies

To the extent of our MS4 contributing area; areas zoned as industrial and commercial; areas with on-site septic systems; and, currently identified impaired water body segments. “Older infrastructure” is not indicative of an increased potential to contain incidences of illicit discharges/connections/dumping.

2. List of identified priority areas

The following areas are the priority proactive inspection areas/facilities of industrial and commercial businesses adjacent to the following roads:

- Port West Boulevard
- Seabird Way
- W. 15th Street
- W. 10th Street
- Industrial Park Avenue (bounded on the north by Prospect Avenue, south by Blue Heron Boulevard, west by West Industrial Way and Byron Drive and east by Garden Road).

3. Annual schedule for inspections

All areas/facilities will be inspected at least once within the current permit term. If a facility or area is discovered to have illicit discharges/connections/dumping, it will be placed on the schedule for re-inspection the following year.

4. Procedure for conducting site inspections

Priority Area inspections: For general areas that have been designated to have a reasonable potential of containing illicit discharges/connections/dumping, a drive-around procedure is followed. The trained inspector(s) patrols the prioritized area searching for indications of illicit discharges/connections/dumping. If any are identified, the inspector either stops to do a Facility Inspection, a reactive investigation, or completes a work order form for the appropriate personnel to complete the investigation.

Pro-active inspections take place during the inspection of structural controls and other MS4 components by the stormwater personnel or consultant that are trained in illicit identification and reporting.

5. Procedure for tracing source of discovered illicit discharge/connection

- The inspector will look to see if there is a connection to the drainage inlet structure. If a foreign substance is observed, they will try to identify which type of activity may use the material seen.
- Businesses or facilities that use the substance found will be inspected for signs of dumping or possible spill.

6. Procedure for eliminating the discharge/connection

- The business will be informed that they have an illegal connection.
- The business will be given thirty (30) days to correct the problem or provide a plan for taking corrective action.
- The business will be re-inspected at the end of the thirty days or be given additional time to correct the problem if a plan has been provided.
- Final inspection will be done to verify that corrective action has been done if the business does not take corrective action the City has the right to make corrections and charge the business for all costs.

7. Procedure for documenting the inspections and enforcement activities

The MSGP coverage research and reporting is documented by the copies of the lists generated during each step (list of facilities within MS4 that are commercial/industrial), list of facilities in the City with MSGP coverage, list of facilities that appear to need MSGP coverage but appear not to have it). These lists will be maintained with other back-up documentation to support the annual permit activities conducted by the City. The list of facilities that appear to need MSGP coverage will be sent to FDEP for follow-up.

See the **City of Riviera Beach 'Structural Controls'** file, Proactive Illicit Discharge/Illegal Connection Inspection Form for pro-active inspections and the subsequent follow-up.

8. Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)

- Notification to business that they are in violation of City Codes.
- Contact City Code enforcement to take actions necessary
- Violation notice sent.
- If the violation has not been resolved they are fined.
- Business may have to cease operation if they refuse to take corrective action.

9. Identification of staff /department/outside entity responsible for inspections and for enforcement

- Stormwater Manager, Department of Public Works, or his designee
- Code Enforcement

10. Description of resources allocated to implement this permit element

- Public Works Personnel
- Code Enforcement Personnel

Spill Prevention & Response Procedures **-City of Riviera Beach-**

Following is the City of Riviera Beach procedures for preventing and responding to spills within our jurisdictional area.

Procedure:

Preventing Chemical Spills

1. To avoid accidental chemical spills and help protect the environment from hazardous leaks and spills, the City ensures that all relevant employees and personnel are trained in the proper handling, storage, disposal, transporting, and clean-up of hazardous chemicals.
2. Chemicals are not stored directly on the floor, ground, in aisles, stairwells, or in hallways.
3. Secondary containment equipment and absorbent material is used to help contain chemicals when stored or mixed.
4. Where possible, use two-inch lips on chemical storage shelves to avoid roll offs.
5. Check chemical containers periodically for rust, corrosion, and leakage.

Response to Chemical Spills

1. Based on training received, identify whether or not the spill requires that a call be made to a supervisor or the Fire Department. If it does, do so immediately and follow any instructions given.
2. Take appropriate steps to correct the spill, which result in a stoppage or slowing down of the spilled substance.
3. Take appropriate steps to contain the spill in order to eliminate or minimize the possibility of the spilled substance entering the storm sewer system.
4. If within City authority, clean up the spill. To determine the appropriate method for spill clean-up, proper training should be relied upon
5. Follow up with documentation on any spill incident.
6. Ensure that all agencies required to be notified of the spill are contacted, along with any necessary reports being filed.

Note: City emergency response and spill procedures are implemented through local police, fire and rescue response teams. Personnel and their associated spill response team, test, collect dispose and report all spills larger than 25 gallons to FDEP.

Documentation:

Spills and the follow-up responses are documented in the Annual NPDES Log.

**Plan to Eliminate Wastewater Contamination in Stormwater
Standard Operational/Maintenance/Documentation Protocol
*-City of Riviera Beach-***

The City of Riviera Beach owns and operates the wastewater collection and transmission system serving its residents and businesses.

The City of Riviera Beach Utilities Department has a program to eliminate wastewater spills and leaks within their jurisdiction.

Identified indications of wastewater contamination are documented with FDEP and FDOH.

Note: City sanitary sewer overflow response plan and procedures are implemented and filed with FDEP. (*See: Appendix D*).

High Risk Facilities Inspection
Standard Operational/Maintenance/Documentation Protocol
-City of Riviera Beach-

Section III.A.8.a - Industrial and High Risk Runoff- Identification of Priorities and Procedures for inspection.

This permit element requires a written plan for conducting inspections of high risk facilities to determine compliance with all appropriate aspects of the stormwater program.

High Risk Facilities have been defined as:

- Operating municipal landfills
- Hazardous waste treatment, storage, disposal and recovery facilities
- Facilities subject to EPCRS Title III, Section 313 (Toxics Release Inventory)
- 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.

High Risk Facility Written Program Components

1. An up-to-date inventory that includes the outfall location of each high risk facility and the surface water body into which the facility discharges
2. Procedure for prioritizing the inventory for inspection
3. Procedure for conducting site inspections (include checking for MSGP)
4. Procedure for addressing non-compliant discharges
5. Procedure for documenting the inspections and enforcement activities
6. Identification of staff/department/outside entity responsible for inspections and for enforcement
7. Schedule for the training of inspectors
8. Description of resources allocated to implement this permit element.

High Risk Facility Inspection Form/Proactive Inspections are attached. (*See: Appendix E*).

Reactive Inspection Program
Standard Operational/Maintenance/Documentation Protocol
- City of Riviera Beach -

Section III.A.7.c – Illicit Discharges and Improper Disposal – Inspection and Investigation of Suspected Illicit Discharges and/or Improper Disposal

This permit element requires a written **reactive investigation program** for suspected illicit discharges that are reported by others.

Reactive Investigation Written Program Components

Anytime a complaint is received, or discovered, by the City, City personnel shall take pertinent information regarding location, source, type of discharge and shall initiate a site inspection through the Stormwater Manager, Department of Public Works and/or the Riviera Beach Fire Department based on their training received. Then take appropriate steps to contain the spill in order to eliminate or minimize the possibility of the spilled substance from entering the storm sewer system; the Fire Department personnel shall clean up the spill relying on training to determine appropriate method for spill clean-up; then, follow up with documentation on the 'Reactive Illicit Discharge/Illegal Connection Inspection' Form.

Procedure for tracing source of discovered or suspected illicit discharge

If needed, laboratory testing will follow visual observation if the visual observation cannot specifically identify the source and illicit discharge.

Procedure for eliminating the discharge

The City shall notify the individual or business through Code Enforcement procedures and will be given direction for elimination of the problem along with pertinent timing and information regarding fines.

Procedure for documenting the inspections and enforcement activities

The attached '**Reactive Investigation of Reported Illicit Discharge/Illegal Connecting/Illegal Dumping**' Inspection Form shall be used for documentation purposes..

Procedures for enforcement actions (or referrals to appropriate jurisdictional authority)

Enforcement actions shall be taken in accordance with City Code Enforcement procedures. If an outside agency or co-permittee be involved, a written notification shall be forwarded to the applicable agency and obtain from City files any report and documentation that the outside agency develops.

Identification of staff /department/outside entity responsible for inspections and for enforcement

All complaints shall be brought to the City's Fire Department personnel who, in turn, shall notify the Code Enforcement Officer for inspection and enforcement of procedures.

Description of resources allocated to implement this permit element

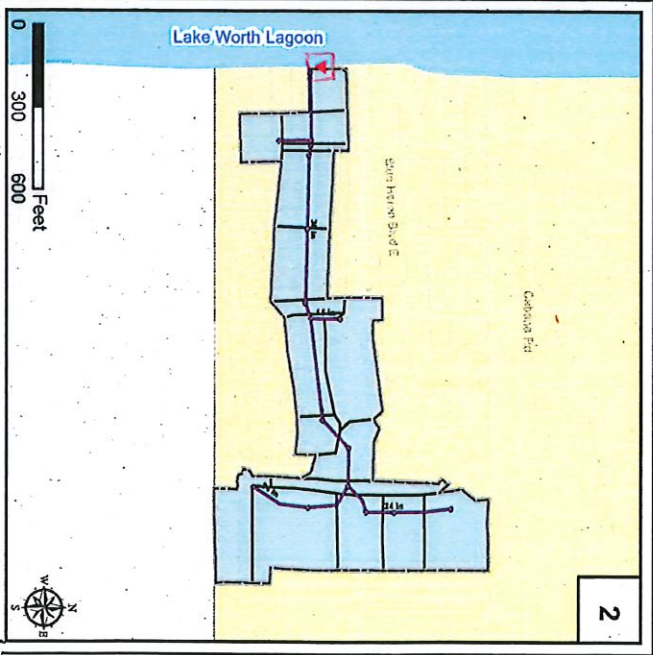
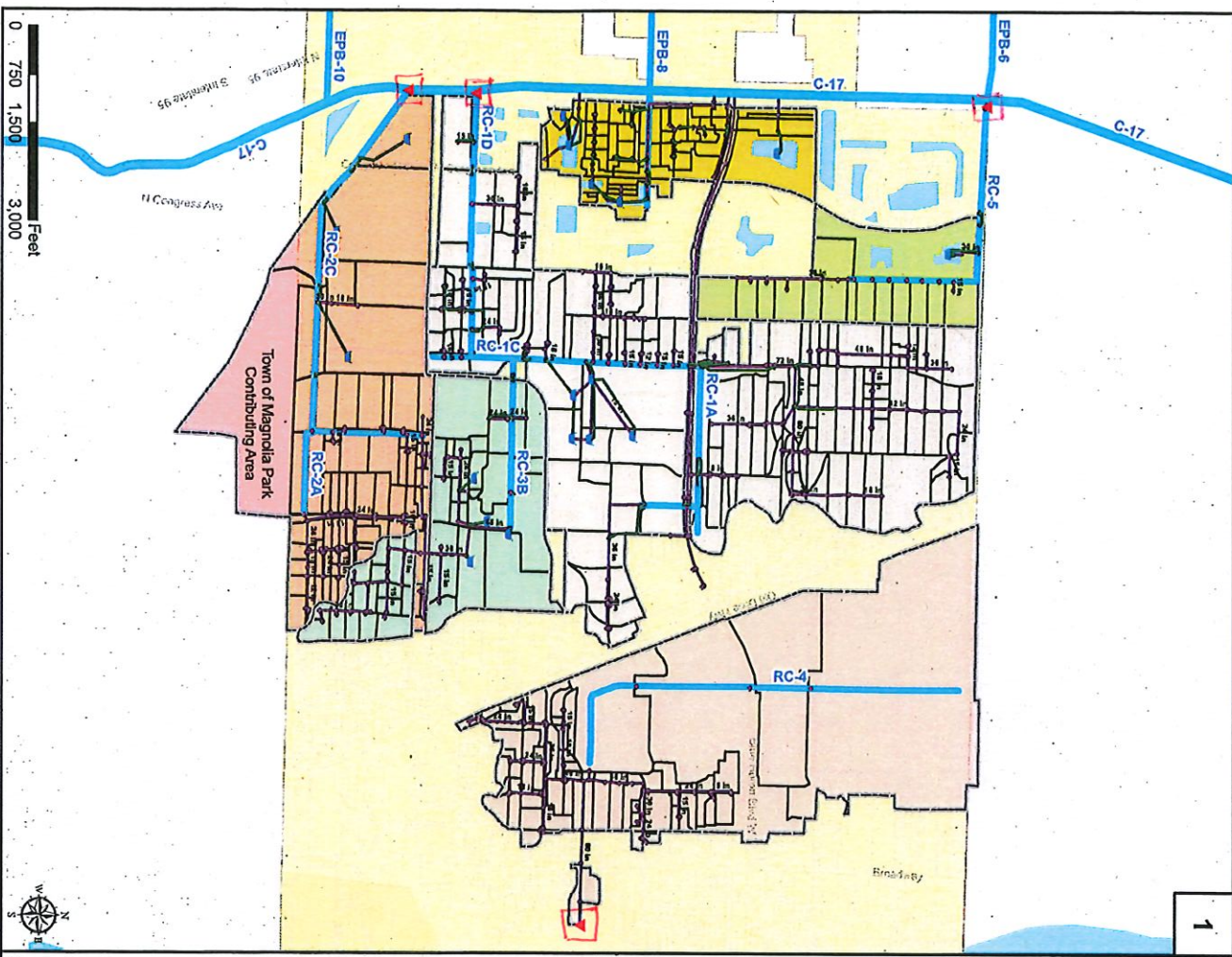
City budget - the cost of problem resolution shall be the Owner of the site producing the contamination. Cost recovery shall be subject to applicable laws and statutes and, if necessary, the City shall pursue the cost recovery through the Courts.



City of Riviera Beach, Florida
Stormwater Master Plan

Figure 3.3
InfoSWMM Model Schematics
Existing Condition

- Legend**
- System Outfall
 - Storage
 - Canal
 - Weir/Orifice
 - Nodes
 - Corporate Limit
 - Surface Water Body
 - Modeled Subbasin
 - Subcatchment
 - RC-1
 - RC-2
 - RC-3
 - RC-4
 - RC-5
 - C-17
 - C-17
 - C-17
 - Lone Pine
 - Singer Island



JIG Project No.:
02450.008
March 2009

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Sanitary Sewer Overflow Response Plan



System Name: City of Riviera Beach Utility District

GMS ID: FLA041360

Address: 800 W Blue Heron Boulevard

City/State/Zip: Riviera Beach /Florida/ 33404

Phone Number: (561) 845 – 4185

Fax: (561) 840 - 7292

Email: lbrown@rivierabch.com; jjackson@rivierabch.com; sjohnson@rivierabch.com, lcwalker@rivierabch.com

Date: March 21, 2019



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- D. Overflow Report
- E. Customer Satisfaction

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Appendix A – Contacts

Appendix B – Spill/SSO Reporting Form



I. Purpose

This Sanitary Sewer Overflow Response Plan (SSORP) has been prepared in accordance with FDEP regulation 62-604.550. The purpose of this SSORP is to ensure proper sanitary sewer overflow (SSO) reporting to the appropriate local, state and federal authorities and to minimize the adverse effects that a SSO may cause to public health and on the beneficial uses and water quality of surface waters.

This plan is effective beginning on the Twenty-first of March, Twenty Nineteen
03 / 20 / 2019

This plan will be reviewed and/or updated at least annually to incorporate any changes in contact information; system components; regulations; and/or personnel.

II. Specific Objectives

The primary objectives of the City of Riviera Beach Utility District's (CRBUD) SSORP are as follows:

- To protect the public health and the environment
- Protect wastewater treatment plant and collection system personnel
- To meet regulatory and permit requirements
- To develop and implement procedures to mitigate the effects of an SSO
- To ensure the longevity of the CRBUD wastewater collection system and all appurtenances
- To protect both public and private property beyond the collection and treatment facilities
- To minimize regulatory enforcement against the CRBUD and/or penalties, resulting from a spill/SSO
- To provide appropriate customer service



III. Procedures

A. Receipt of Information Regarding a Sanitary Sewer Overflow (SSO)

Sanitary Sewer Overflows may be recognized and reported by CRBUD personnel or by others. The CRBUD is responsible to act, in a timely manner, to all reports of a possible SSO. Reports may be received via telephone, email, or by other means.

1. Typically, reports received from the public will be received at the CRBUD front desk or at the Water Treatment Plant. The CRBUD Water Treatment Division is primarily responsible for receiving phone calls from the public of possible sewer overflows from the wastewater collection system, and for forwarding work orders to the CRBUD Sewer Division. Personnel collecting information regarding a possible SSO, should obtain the following information:
 - a. Time and date call was received
 - b. Specific location
 - c. Description of problem
 - d. Time possible overflow was noticed
 - e. Reporter's name and phone number
 - f. Observations of the reporter
 - g. Relevant information that will enable system personnel to quickly locate, assess and stop the overflow
2. Appropriate system personnel will be notified when a possible spill is reported. CRBUD sewer personnel will investigate and confirm the spill. Only after confirmation by system, personnel will consider a spill an SSO.
3. Within 24 hours of the confirmation of a Sanitary Sewer Overflow, FDEP shall be notified according to FDEP Rule 62-604.550. The rule is provided below:

62-604.550 Abnormal Events.

(1) The provisions of Rule 62-604.550, F.A.C., are applicable to both new and existing domestic wastewater collection/transmission systems.

(2) The owner/operator of the collection/transmission system shall report to the Department all unauthorized releases or spills of wastewater to surface or ground waters from its collection/transmission system or any other abnormal events as described below:

*(a) Unauthorized releases or spills in excess of 1,000 gallons per incident, or other abnormal events where information indicates that public health or the environment will be endangered, shall be reported orally to the **STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519 as soon as practical, but no later than 24 hours** from the time that the owner/operator becomes aware of the circumstances. The owner/operator, to the extent known, shall provide the following information to the State Warning Point:*



1. Name, address, and telephone number of person reporting,
2. Name, address, and telephone number of owner/operator of the collection/transmission system or responsible person for the discharge,
3. Date and time of the discharge and status of discharge (ongoing or ceased),
4. Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater),
5. Estimated amount of the discharge,
6. Location or address of the discharge,
7. Source and cause of the discharge,
8. Whether the discharge was contained on-site, and cleanup actions taken to date,
9. Description of area affected by the discharge, including name of water body affected, if any; and,
10. Other persons or agencies contacted.

(b) **Unauthorized releases or spills of 1,000 gallons per incident or less shall be reported orally to the FDEP and FDOH within 24 hours** from the time that the owner/operator of the collection/transmission system becomes aware of the circumstances. **FDEP (561) 681-6701 FDOH (FL Department of Health): 561-837-5900 (x6), Off-hours, weekends, holidays- 561-881-1888**

(c) The oral notification shall be followed by a written submission, which shall be provided within five days of the time that the owner/operator becomes aware of the circumstances. The written submission shall contain: a description of the spill, release or abnormal event and its cause; the duration including exact dates and time, and if it has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence. The Department shall require the written report even if the oral report has been received within 24 hours from the time that the owner/operator of the collection/transmission system becomes aware of the circumstances, and the release, spill or abnormal event has been corrected and did not endanger health or the environment.

Rule Highlights

- Spills / Sanitary Sewer Overflows greater than 1,000 gallons must be reported to the **STATE WATCH OFFICE** formerly known as STATE WARNING POINT **(800-320-0519)** within 24 hours of learning of the spill/SSO.
- Spills / Sanitary Sewer Overflows that endanger public health or the environment must be reported to the **STATE WATCH OFFICE** formerly known as STATE WARNING POINT **(800-320-0519)** within 24 hours of learning of the spill/SSO.
- Spills / Sanitary Sewer Overflows less than 1,000 gallons must be verbally reported to the **FDOH (561-837-5900 x6) AND the FDEP, Denise Watts - (561) 681-6701** within 24 hours of learning of the spill/SSO.
 - Written report describing the spill/SSO must be provided to the FDEP and FL DOH within five days.
 - A written report is required even if the FDOH and FDEP were notified within 24 hours and the spill/SSO has been corrected and did not endanger public health or the environment.



B. Dispatch of Sewer Maintenance Personnel to Site of Sewer Overflow

Confirmation of a Spills/Sanitary Sewer Overflows will activate an immediate response to isolate and correct the problem. Personnel and equipment shall be available to respond to any and all SSO locations.

1. Dispatching Personnel Instructions

- When a spill/SSO is received by the system, the necessary response personnel and equipment shall be dispatched to isolate and correct the problem in a timely manner
- Maintenance personnel will be dispatched by telephone or radio
- Dispatching personnel must verify that all notified maintenance personnel have received the message

2. Maintenance Personnel Instructions

- All dispatched maintenance personnel should proceed immediately to the site of the spill/SSO. Any delays and/or conflicts should be promptly reported to the supervisor
- Upon arrival at the site of the spill/SSO, maintenance personnel will immediately report any and all findings to the Water/Sewer Systems Superintendent. These findings should include damage to both public and private property

3. Water/Sewer Systems Superintendent Instructions

- The Water/Sewer Systems Superintendent should contact response personnel to assess the spill/SSO, if findings have not been reported within one hour
- The Water/Sewer Systems Superintendent will dispatch additional personnel, supplies, and equipment as needed or requested by dispatched maintenance personnel

4. Initial Damage Assessment

- All dispatched personnel must use discretionary action when responding to a spill/SSO. Dispatched personnel must be aware that the System may be responsible and/or liable for further damage to private property
- Dispatched personnel should not enter private property without authorization from the Water/Sewer System Superintendent



- In order to thoroughly document the affected area, the dispatched personnel will take appropriate photos and/or video. Any photos and/or video will be retained and filed with the spill/SSO report

5. Field Supervision and Inspection

- The Water/Sewer Systems Superintendent will ensure that the guidelines outlined in this SSO Response Plan are properly implemented
- **The Water/Sewer Systems Superintendent is responsible for properly notifying FL DOH and FDEP, according to FDEP Rule 62-604.550, within the amount of time specified within the rule (24 hours).**

6. Hazardous Material Response

- Upon arrival at a spill/SSO, should dispatched personnel confront a suspicious substance (oil sheen, foam, etc.) or odor (gasoline, etc.), the dispatched personnel should contact the Water/Sewer Systems Superintendent prior to taking further action
- The Water/Sewer Systems Superintendent will contact the Compliance & Safety Specialist, and HAZMAT team, should it be deemed necessary. Dispatch personnel will await the arrival of the Safety Specialist and/or HAZMAT team
- The Water/Sewer Systems Superintendent will remain in contact with the HAZMAT team. Once the HAZMAT team determines it is safe, the system will continue appropriate response, in accordance with the SSO response plan

C. Spill/SSO Correction, Containment, and Clean-up

The objectives of the actions taken by system personnel are:

- To protect public health, the environment, and property from a spill/SSO
- To restore the surrounding area/property back to normal as quickly as possible
- To establish an appropriate perimeter to protect themselves and contain the spill/SSO, using equipment (traffic cones, barricades), existing infrastructure (fencing, etc.), and/or natural boundaries (berm, ditch, stream, etc.)
- To notify the appropriate regulatory agencies within permitted timeframe
- To protect surface water from contamination
- To minimize regulatory enforcement and/or penalties resulting from a spill/SSO



1. Upon arrival at a spill/SSO, the dispatched system personnel will perform the following:
 - Determine the cause of the spill/SSO (collection line blockage, lift station malfunction, line break, etc.).
 - Report findings to Water/Sewer Systems Superintendent and identify or request additional personnel and equipment to minimize the affects of the spill/SSO.
 - Should it be determined the cause of the spill/SSO is not the responsibility of the system, dispatched personnel will;
 - Don the appropriate Personal Protective Equipment (PPE); and
 - Take appropriate action to protect public health, property (public and private), and surface water bodies from immediate danger.
2. Containment of a spill/SSO will be of utmost priority and will include, but are not limited to, the following measures:
 - Determine the immediate destination of the spill/SSO (storm drain, water body, ditch, etc.)
 - Identify and request the necessary personnel and equipment to contain and minimize the affects of the spill/SSO
 - Don the appropriate PPE and take the appropriate, immediate action to contain the spill/SSO
3. Additional measures may be necessary to contain a prolonged spill/SSO. These measures will be determined and implemented by the Water/Sewer Systems Superintendent.
4. Clean up of a spill/SSO will be prompt and thorough. The necessary measures will be taken to eliminate any identifiable evidence of the spill/SSO.
 - If possible, photos will be taken before and after clean up. Photos will be filed with the spill/SSO report
 - The affected area will be cleaned of any sewage and debris. All materials collected will be properly disposed of
 - The area will be secured to prevent public contact, until the affected area has been thoroughly cleaned
 - The spill/SSO site should be disinfected and deodorized, if appropriate



- Contact the Water Treatment Plant to arrange for Laboratory to come out and collect samples if spill has gone to Surface Water
- Put up signs notifying the public to “Stay out of Water”
- If spill/SSO has affected a surface water body, the FDEP (Denise Watts 561-681-6701) and the FL DOH will be contacted for specific instructions

D. Overflow Reporting

The Water/Sewer Systems Superintendent or Compliance & Safety Specialist will complete the required reports and submit them to the FDEP and FL DOH as well as post to the FDEP “Public Notice of Pollution” site (<https://floridadep.gov/pollutionnotice>). All spills/SSO will be reported according to FDEP Rule 62-604.550. This information should include, but is not limited to, the following:

- *Name, address, and phone number of person reporting the spill*
- *Name, address, and phone number of the responsible party*
- *Date and time of the discharge; Status of the discharge (ongoing or stopped)*
- *Characteristics of the discharge (untreated, treated, industrial, or domestic wastewater)*
- *Estimated amount of the discharge*
- *Location or address of the discharge*
- *Source and cause of the discharge*
- *Whether the discharge was contained on-site, and any cleanup actions taken to date.*
- *Description of area affected by the discharge, including name of water body affected, if any.*
- *Other persons or agencies contacted*
- *Additional information*

For accurate reporting purposes, system personnel should gather the following information:

- Determine if the spill/SSO has affected any surface water bodies
- Estimate the start time of the of the spill/SSO:
 - Date/time reported and confirmed by system personnel
 - Visual observations



- Estimate the stop time of the spill/SSO:
 - Date/time the blockage or equipment malfunction has been corrected
 - Date/time system personnel arrived onsite, if spill/SSO stopped before system personnel arrived
- Visual Observations
 - Estimate the flow rate of the spill/SSO
 - Estimate the volume of the spill/SSO
 - Take photos for documentation
 - Assess damage to public and private property (System personnel will not enter private property to assess damage, unless authorized by the Water/Sewer Systems Superintendent)

E. Customer Satisfaction

To ensure good public relations and customer satisfaction, the appropriate system personnel will follow up with the reporting party. This follow up will include either a personal visit or telephone call. The Water/Sewer Systems Superintendent will determine the information to be disclosed to the reporting party.

IV. SSORP Maintenance

This Sanitary Sewer Overflow Response Plan will be reviewed at least annually. Amendments may include:

- Changes in procedure
- Changes in contact personnel
- Changes due to regulatory requirements

V. Appendices

Attached



Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



Ron DeSantis
Governor
Jeanette Nuñez
Lt. Governor
Noah Valenstein
Secretary

Vision: To be the Healthiest State in the Nation

WASTEWATER SPILLAGE REPORT

PHONE #561-837-5947/837-5900(Ext. 6) Fax#561-837-5476
CONTACT: Pamela Lape Off-hours, weekends, holidays- 561-881-1888
(Medical VIP Answering Service) Email- FDOHPB-Spills@flhealth.gov

Name of Utility/Facility ID#: _____
Contact person: _____ Phone #: _____
Date and time of Incident: _____
Description of Incident: _____

Cause of Incident: _____

Location of Spill (Lat & Longs) _____
Total amount spilled: _____
(Attach a separate sheet explaining how you arrived at this amount if needed)

Estimated affected area: _____
Corrective Actions: _____

Bodies of water affected: _____ (Immediate Sampling Required)
Storm Drains affected: _____
Signs/Notification and Actions: _____
Clean Up Actions: _____

Disinfected With: _____
Back to Normal: Date: _____ Time: _____
Comments: _____

The Health Department and FDEP/SED - Denise Watts at (561) 681-6701, via e-mail – Denise.Watts@floridadep.gov & SED.Wastewater@FloridaDEP.gov must be notified within 24-hours for any amount of spillage and this report e-mailed. Spills greater than 1,000 gallons or any discharge to surface waters must also be called to the State Watch Office at **1-800-320-0519** and updated in the DEP Pollution Notification Database.

Florida Department of Health, Palm Beach County
Division of Environmental Public Health
P.O. Box 29, 800 Clematis Street West Palm Beach, FL 33402
PHONE: 561-837-5900 • FAX: 561-837-5476
FloridaHealth.gov, palmbeach.floridahealth.gov



Appendix A

CONTACTS

State Warning Point – 800-320-0519

“Spills which are of 1,000 gallons or greater, or which may threaten the environment or public health are required to be immediately reported by a utility to the Florida Department of Environmental Protection (FDEP) through a **toll-free, 24-hour hotline** known as the State Warning Point.” ¹

Contact / Affiliation	Phone	Email
Florida Rural Water Association	(850) 668-2746	FRWA@frwa.net
FDEP Inspector(s) Denise Watts	(561) 681-6701	Denise.Watts@floridadep.gov
FDOH Inspector (s) Pamela Lape	(561) 837-5947 or (561) 837-5900 ext. 6	FDOHPB-Spills@flhealth.gov Nights & Weekends 561-881-1888
Assistant Executive Director		
Water/Sewer Systems Superintendent Larry Brown	(561) 876-2188	lbrown@rivierabeach.org
Water Plant Superintendent David Danford	(561) 723-9973	ddanford@rivierabeach.org
Lead Plant Operator David Salas	(561) 723-2741	dsalas@rivierabeach.org
Chief Water/Sewer Maintenance Mechanic(s) Joseph Jackson and Sylvester Johnson	(561) 543-5409 (561) 202-4191	jjackson@rivierabeach.org sjohnson@rivierabeach.org
Utility District Administration Office	(561) 845-4185	ldent@rivierabeach.org
Compliance & Safety Specialist		
Water Treatment Plant (Emergency after hours)	(561) 845-4187	
City of Riviera Beach Fire Department Police Department	(561) 845-4104 (561) 845-4123	icurd@rbpublicsafety.org police@rbpublicsafety.org

¹ FDEP. 12/21/2010 <<http://www.dep.state.fl.us/water/wastewater/wce/spills.htm>>.

