



Pollution Control Device – Structural Control Inspection Standard Operational/Maintenance/Documentation Protocol

There are currently no pollution control devices (PCDs) that are part of our MS4.

The purpose of PCDs is the removal of debris, sediment, oils, and/or other materials from the stormwater stream before it discharges into a receiving water body. Frequent inspection and maintenance is the key to the proper function of these units.

Inspections:

PCDs are inspected quarterly, unless historic operations indicate that a less or more frequent inspection schedule is needed for particular PCDs. Inspections are conducted in accordance with the PCD manufacturer's recommendations. In general, inspections will include the items listed on the following Structural Control Inspection Form.

Maintenance:

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

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

Documentation:

The documentation for the inspection and maintenance activities related to pollution control devices is by work orders completed and summarized in the PW SW Monthly Report.



PCD – Structural Control Inspection

Facility ID: _____

Date: _____

Inspected by: _____

FUNCTION:

Sediment accumulation? YES NO

Debris accumulation? YES NO

Absorbent materials need replacement? YES NO

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

GENERAL:

Any indications of illicit discharge or illegal dumping? YES NO

If YES, describe and report to supervisor for proper response:

Inlets/Outlets damaged or obstructed? YES NO

If YES, schedule for maintenance.



Pipes and Inlets – Structural Control Inspection Standard Operational/Maintenance/Documentation Protocol

There are currently 95,000 known linear feet of pipe that is part of our MS4. This value does not include exfiltration trenches, which are catalogued separately. Each pipe segment has a unique identification number (upstream to downstream) found on the City of Delray Beach Drainage Atlas.

There are currently 2,630 inlets that are part of our MS4. Each structure has a unique identification and the information is stored on the City of Delray Beach Drainage Atlas.

Inspections:

At least 10% of the total number of linear feet of pipe is inspected each year. The inlets associated with a pipe system are inspected concurrently. Visual inspections are conducted in accordance with the checklist/procedure that follows. Inspection forms are not used. 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. As a result of the more detailed investigation, a work order for maintenance or repair may be generated.

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:

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

Documentation:

The documentation for the inspection and maintenance activities related to the pipes, inlets and manholes are recorded as completed work orders, and summarized in the PW SW Monthly Report.



Pipes – Structural Control Inspection

VISUAL INSPECTION:

Evidence of settling above the pipe alignment? YES NO

Sediment accumulation in pipe (viewed from inlets, manholes, etc.)? YES NO

Barnacle accumulation in pipe (viewed from inlets, manholes, and/or outfall)? YES NO

If YES, schedule for maintenance and report to supervisor for further investigation.
