

Part IIIA.1.(d)

Town of Palm Beach MS4 NPDES Program Standard Operating Procedures Structural Control Inspection – Exfiltration Trench

The exfiltration trench that is part of our MS4 is depicted on the following map and listed in the following inventory.

Inspections:

Established exfiltration trench is inspected once every three years, using the following Exfiltration Trench – Structural Control Inspection Form.

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 for sediment accumulation in the system is conducted in dry weather.

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 for the inspection and maintenance activities related to exfiltration trench is prepared by field inspection staff and provided to the MS4 NPDES Records Manager/Program Coordinator for annual reporting. These records are scanned and maintained in an electronic file format

Town of Palm Beach MS4 NPDES Program
Structural Control Inspection Form
Exfiltration Trench

Address: _____

Inspector Name: _____

Date: _____

Inspection conducted _____ 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.

GENERAL:

Sediment amount < 1 foot below pipe invert in up or downstream structure? **YES NO**

Sediment visible in pipe? **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*, describe and report to supervisor for proper response