

**APPENDIX H**

**City of Radford Annual BMP Operation & Maintenance Inspection Form for  
Detention, Retention and Extended Detention Basins and Wet Ponds**

**MS4 SMF Tracking Database**

## City of Radford

### Annual BMP Operation & Maintenance Inspection form Detention, Retention and Extended Detention Basins and Wet Ponds

Owner Name:	Facility Name/Number (See Stormwater Facility Map):	
Property Address:		
Street		
City:		
Zip code:		
Date BMP placed in Service:	Latitude:	Longitude:
Site: plan/permit number:	As-built plans available:	
Date of Inspection:	Date of Last Inspection:	
Inspector:	Contact Information	

BMP Element	Problem	Yes	No	N/A	Corrective Action
<b>Contributing Drainage Area</b>	Excessive trash/debris				Remove trash/debris and properly dispose.
	Bare exposed soil				Stabilize with seed and mulch. E&S measures may be warranted until stabilized.
	Evidence of erosion				Backfill area, seed, mulch and consider matting. E&S measures may be warranted until stabilized.
	Excessive landscape waste/yard clippings				Remove landscape waste and yard clippings to prevent clogging and properly dispose of them.
<b>Pretreatment / Forebay / Inflow</b>	Excessive trash/debris/sediment or other blockage				Remove trash/debris/sediment or blockages and properly dispose of.
	Dead vegetation, exposed soil				Replace vegetation and stabilize according to plans. E&S measures may be warranted until stabilized.
	Evidence of erosion, undercutting, or bare soils				Backfill area, seed, mulch and consider matting, E&S measures may be warranted until stabilized.
	Structural deterioration of inlets, outfalls or pretreatment overflow weirs into the facility				Repair and restabilize area. Consult plans for approved configuration or an engineer. E&S measures may be warranted until stabilized.
	Animal burrows				Fill in immediately and stabilize.
<b>Aquatic Bench / Vegetation</b>	Plantings inconsistent with approved plans.				Consult approved plans and/or management to ensure no approved plant substitutions were used. Remove unapproved plants and replace any required plantings in kind.
	Dead vegetation/exposed soil				Replace vegetation and stabilize according to plans. E&S measures may be warranted until stabilized.
	Invasive plants, such as cattails and phragmites, exceeds 15% of the planted area.				Invasive plants should be removed immediately. Vegetation may require periodic harvesting for proper long term management.
<b>Berm/ Embankment</b>	Overgrown, including woody growth 5' beyond the outfall pipe and/or embankment.				Removal of woody species near or on the embankment is critical for proper function and long term stability. Remove all woody growth including stumps. Consult an engineer for backfill specifications. Mow thick growth.
	There is sparse vegetative cover and erosion channels are present.				Backfill area with structural fill and consult engineer for proper specifications. Stabilize with seed and mulch, consider matting. E&S measures may be warranted until stabilized.
	Cracking, bulging, sloughing and seepage				Consult an engineer immediately to prevent failure.
	Evidence of animal burrows.				Fill in immediately and stabilize.
<b>Riser</b>	Structural condition of the riser is deteriorating.				Consult an engineer to recommend a repair and review the approved plans.
	Adjustable control valve inaccessible and inoperable (if present).				Repair valve to be operational.
	Pieces of the riser are broken or missing.				Repair immediately in accordance with the approved plans. Consult an engineer as needed.
	Riser or low flow orifice is blocked.				Remove blockage and properly dispose of.
	Riser provides inadequate conveyance out of facility.				Repair to properly convey drainage to the outfall per the approved plan. Consult an engineer as needed.
	Evidence of erosion or undermining at/around riser.				Repair erosion. Consult engineer for structural repairs as needed.
	Structural deterioration				Consult engineer for proper repair procedures.
<b>Outlet / Outfall</b>	Exposed rebar, joint failure, loss of joint material, misalignment, leaking or corrosion				Repair concrete to cover rebar. Consult engineer for all other structural repairs.
	Excessive trash/debris/sediment or blockages.				Remove trash/debris/sediment/blockages and properly dispose of.
	Evidence of erosion and bare soil.				Backfill area, seed, mulch and consider matting, E&S measures may be warranted until stabilized.
	Valves, manholes or locks cannot be opened or operated (if present).				Repair/replace any broken fixtures.
	Erosion of outfall channel or riprap deterioration.				Repair and/or supplement riprap outlet protection in accordance with the approved plans.
	Outlets provide inadequate conveyance out of facility.				Repair to properly convey drainage to the outfall per the approved plan. Consult an engineer as needed.
<b>Overall</b>	Access to the facility is in need of repair.				Restore access for maintenance equipment per the approved plans.
	Encroachment on facility or easement by buildings or other structures.				Contact Operations and Maintenance or Plant Services Division
	Evidence of oil/chemical accumulation, odor, algae, color or pollution.				Report to management and consult IDDE manual.
	Fences and/or safety signage is inadequate.				Repair fences and signage for public safety.
	Trash in the pool				Remove immediately and observe safety procedures.
	Additional notes:				

City of Radford MS4  
SMF Tracking Database

Facility ID	Owner	Latitude	Longitude	Type of Facility	Total Acres Treated	Pervious Acres	Impervious Acres	Date Facility Brought Online	Date of Last Inspection	# Inspections Completed During 2016-2017 Reporting Year	Hydrologic Unit Code (HUC12)	Impaired Water Segment	Impairment	VAHU6	Maintenance Agreement Status
(1) INDUSTRIAL PARK	City of Radford	37° 5'38.99"N	80°34'28.60"W	Detention	31.800	17.550	14.250	12/31/1990	6/1/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(2) ROCK ROAD WEST & WEST MAIN ST. INTERSECTION "VDOT Rock Road Improvements"	City of Radford	37° 6'13.98"N	80°34'48.22"W	Detention	12.460	0.000	12.460	3/10/2003	6/1/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(3) NORTH SIDE OF ROCK ROAD WEST BETWEEN FOREST AVE. AND STAPLES ST. "Sundell Drive -Staples Drainage Improvements 1979"	City of Radford	37° 6'50.61"N	80°34'10.25"W	Detention	18.992	1.260	17.732	8/1/1977	6/1/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(4) SECOND AVE./PARK ROAD IMPROVEMENT PROJECT	City of Radford	37° 7'48.85"N	80°33'47.48"W	Detention Extended	8.190	0.190	8.000	7/21/2015	6/2/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(5) EAST MAIN ST. BEHIND ALLEN BUILDING "Jefferson Street Improvements"	City of Radford	37° 8'21.36"N	80°32'50.47"W	Detention	6.330	0.000	6.330	2/1/1997	6/2/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(6) SUNSET PARK* "Sunset Park & Fairgrounds Basins Drainage Improvements Project"	City of Radford	37° 7'20.48"N	80°34'40.63"W	Detention	9.690	1.010	8.680	8/6/2004	6/2/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(25) SEVENTH STREET* "Sunset Park & Fairgrounds Basins Drainage Improvements Project"	City of Radford	37° 7'29.05"N	80°34'34.44"W	Detention	10.810	8.600	2.210	8/6/2004	6/7/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	N/A City Owned
(26) SUMMIT RIDGE (PRIVATE)*	Seventh Street Subdivision	37° 6'51.99"N	80°34'47.77"W	Detention	3.520	2.750	0.770	3/4/2011	6/7/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	Not Applicable**
(27) HEATHER GLEN (PRIVATE)*	Heather Glen, LP	37° 7'7.02"N	80°33'48.07"W	Detention	4.293	1.937	2.356	12/9/2003	6/7/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	Not Applicable**
(28) WEST SIDE CROSSING (PRIVATE)*	Westside 1205 LLC	37° 8'8.40"N	80°33'24.62"W	Detention Extended	9.043	5.183	3.860	3/3/2014	6/8/2017	2	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	Not Applicable**
(29) FAMILY DOLLAR (PRIVATE) <sup>1</sup>	LFD Radford VA LLC	37° 7'44.36"N	80°34'57.10"W	Detention	1.020	0.685	0.335	1/19/2016	6/8/2017	3	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	Not Applicable**
(30) TALL OAKS (PRIVATE)*	Summit Development Co LLC	37° 7'10.35"N	80°31'53.53"W	Detention	16.960	16.960	0.000	N/A		0	50500011801	New River	PCB in Fish Tissue / E. Coli	NE57	Not Applicable**

\*INADVERTANTLY LEFT OFF OF MS4 SUBMITTAL MAP

<sup>1</sup> New Private Facility 1/19/2016

(#) Refers to Number on Storm Water Management Facility Map

\*\*Private facilities where approved prior to the city being granted coverage under the MS4 General Permit Number VAR040135 August 19, 2014