Illicit Discharge Detection and Elimination

Appendix

City of Poquoson Annual Report

VAR# 040024

Fiscal Year 2021

Submitted to DEQ September 30, 2021

BMP 3	ILLICIT DISCHARGE DETECTION AND ELIMINATION
	Status of Compliance Spreadsheets
3.1	Service area & Outfall Map
3.1	MS4 Outfall Information Table (includes City-owned Water Quality BMPs)
3.2	Dry weather screening protocol with prioritization/scheduling; Dry weather screening standard operation procedures
3.2	Summary of screenings table; typical dry weather monthly screening form
3.3	IDDE Procedures
3.3	Hazardous Waste Spill Procedures
3.3	IDDE Summary Table
3.3	Supplemental information for spill responses. This includes communications, Public Works forms, and Fire Department reporting forms
3.3	Utility Department Report: Sanitary Sewer System Improvements
3.4	Sanitary Sewer Overflow Reports: No sanitary sewer system spills this year (therefore no forms provided)

3. Illicit Discharge Detection and Elimination							
BMP	**BMP Description**	**Measurable Goals**	**Metric**	**Responsible Party**	**Timeline**	**Associated Documents**	**PY 3 Status**
3.1	Storm Sewer System Map						
3.1a	MS4 service area map using the 2010 CUA	Maintain and update mapping	Updated Map	SW Program Administrator/ IT Dept. (GIS)	Annually	Service area map	Compliant. No new outfalls this year. Outfall map included in Appendix. In addition, the City Property Information System mapping shows the approximate location of all upstream City owned storm drainage piping. See https://parcelviewer.geodecisions.com/poquoson/Account/Logon
3.1b	MS4 outfall or point of discharge information table	Maintain and update table	Updated Table	SW Program Administrator/ IT Dept. (GIS)	Annually	Information Table	Compliant. No new outfalls this year. Table is located in Appendix.
3.1c	Provide to DEQ a GIS-compatible shapefile of the MS4 map	Provide file	Provide to DEQ	SW Program Administrator/ IT Dept. (GIS)	No later than 7/1/19	Shapefile	Compliant. Provided in PY1 prior to 7/1/19 in accordance with permit requirements.

3. Illicit Discharge Detection and Elimination							
BMP	**BMP Description**	**Measurable Goals**	**Metric**	**Responsible Party**	**Timeline**	**Associated Documents**	**PY 3 Status**
3.1d	New outfalls or recently approved TMDLs	Update map and table	Updated map and table	SW Program Administrator/ IT Dept. (GIS)	No later than October 1 each year, incorporate updates through June 30	Map and information table	Compliant. No new outfalls or recently approved TMDLs in PY3.
3.1e	Provide written notification to downstream MS4s	Identify and notify, in writing, any downstream adjacent MS4 of any known physical interconnection established or discovered after permit effective date.	Develop map, Regional Stormwater Workgroup Meetings, letters	SW Program Administrator	Annually	Letters; meeting attendance	Compliant. Poquoson is downstream of all other MS4s. VDOT owns the only upstream MS4. While the City has not been contacted by VDOT, we are aware of the system and contact information available for VDOT if needed.
3.1f	Prohibit illicit discharges through ordinance	Continue implementing and enforcing the illicit discharge/stormwater ordinance.	Current Ordinance	SW Program Administrator/ Fire Dept	As necessary	City Code Section 34-207, Phohibition on non-stormwater discharges	Compliant. Code can be viewed on the City website at https://library.municode.com/va/poquoson/codes/code_of_ordinances?nodeId=PTIICOOR_CH34EN_ARTVSTMA_S34-207PRNORDI
3.2	Dry Weather Screening (DWS)						

3. Illicit Discharge Detection and Elimination							
BMP	**BMP Description**	**Measurable Goals**	**Metric**	**Responsible Party**	**Timeline**	**Associated Documents**	**PY 3 Status**
3.2a	Maintain and implement dry weather screening protocol	Implement written dry weather field screening methodologies for IDDE. Track the outfall unique identifier, time since last precipitation event, estimated quantity of the last precipitation event, site description, whether a discharge was observed and if so, rate of discharge, and visual characteristics	Protocol	SW Program Administrator/ SW Inspector	Continuously	DWS Protocol	Compliant. See protocol found in Appendix.
3.2b	Develop a prioritized schedule for field screening and the rationale for the prioritization	Implement the schedule and document the rationale	Schedule	SW Program Administrator/ SW Inspector	Annually	DWS Protocol	Complaint. The Plan is in the Appendix.

3. Illicit Discharge Detection and Elimination

BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	PY 3 Status
3.2c	Field testing & outfall reconnaissance inventory (ORI)	Perform dry weather screening of a minimum of 50 outfalls (or all if < 50 outfalls in MS4)	Documentation of screening performed and results	SW Program Administrator/ SW Inspector	Annually	Summary Spreadsheet and typical form provided in Appendix. In past years DEQ reviewers asked that we include the summary and sample form rather than all forms in report. All forms available upon request.	Compliant. Summary spreadsheet and typical form provided in Appendix. City inspected 104 outfalls and over 129,550 linear feet of outfall ditching. Inspections included prioritized areas selected in PY2.
3.3	IDDE program implementation						
3.3a	Maintain and implement written procedures for IDDE	Implement written IDDE procedures	Procedures	SW Program Administrator	Continuously	Procedures	Compliant. See Appendix.
3.3b	Public IDDE Reporting	Promote & publicize IDDE reporting	Presence of contact information on website	SW Program Administrator	Continuously	Locality website	Compliant. Information provided on Poquoson Stormwater Quality website: https://www.ci.poquoson.va.us/278/Stormwater-Quality

3. Illicit Discharge Detection and Elimination							
BMP	**BMP Description**	**Measurable Goals**	**Metric**	**Responsible Party**	**Timeline**	**Associated Documents**	**PY 3 Status**
3.3c	Prevent or minimize the discharge of hazardous substances and oil in the MS4 stormwater discharge.	Yard inspections; Develop/enhance reporting relationship with FD/Haz Mat Team; targeted education	Number of responses/ number of inspections	SW Program Administrator/ Fire Dept	Continuously	Fire Department and Inspection forms	Compliant. See appendix for example forms from responses this year and information on how FD deals with illicit discharge.
3.3d	IDDE activity tracking	Track illicit discharge detection and elimination activities.	Number of investigations and actions taken	SW Program Administrator/ Fire Dept	Ongoing	Illicit Discharge Response Summary	Compliant. See appendix for summary spreadsheet.
3.3e	Continue Sanitary Sewer System improvements in coordination with SSO consent order	Continue to diagnose and correct deficiencies	Number of improvements	SW Program Administrator/ Public Utilities	Continuously	List of Improvements	Compliant. Improvements provided in Appendix.
3.4	Spill reporting						
3.4a	Report non sewer spills and releases from small MS4 operated properties that reach State waters to DEQ.	Report spills to the DEQ's Pollution Response Program (PREP), if applicable	Number of internal reports. If applicable, obtain PREP number.	SW Program Administrator/ Fire Dept	Continuously	Fire Department and Inspection forms	Compliant. See summary sheet and FD forms in Appendix.
3.4b	Report Sanitary Sewer Overflows through SSORS database.	Continue to utilize SSORS to report Sanitary Sewer Overflows	Number of overflows	Public Utilities Superintendent.	Continuously	List from SSORS	Compliant. No sanitary sewer overflows occurred in PY3.

3. Illicit Discharge Detection and Elimination							
BMP	**BMP Description**	**Measurable Goals**	**Metric**	**Responsible Party**	**Timeline**	**Associated Documents**	**PY 3 Status**
3.5	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.		SW Program Administrator/ Fire Dept	Annually	Annual report	Compliant. The City exceeded dry weather screening requirements. As the summary sheet shows, the vast majority of illicit discharges this PY were from car accidents. Poquoson staff from numerous departments coordinate to respond to issues quickly.

N
Legend
MS4 Outfall
Catch Basin
Curb Drop Inlet
BMP Outfall Riser
Storm Manhole
Headwall
Flared End Section
Grass Channel
Concrete Ditch
Ditch
Stormwater Pipe
MS4 Service Area Boundary
VAHU6 CB24
VAHU6 CB22
VAHU6 CB21
Receiving Waters
Note: The estimated acres draining to the MS4 outfalls listed in the associated data table are approximate. The number of acres draining to a given outfall will vary based on tidal flooding conditions due to equalizing culverts between ditches.
0 400 800 1,600 Feet
City of Poquoson Storm Sewer Map - Sheet 1

City of Poquoson Storm Sewer Map - Sheet 2

N
Legend
MS4 Outfall
Catch Basin
Curb Drop Inlet
BMP Outfall Riser
Storm Manhole
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VAHU6 CB21
Receiving Waters
Note: The estimated acres draining to the MS4 outfalls listed in the associated data table are approximate. The number of acres draining to a given outfall will vary based on tidal flooding conditions due to equalizing culverts between ditches.
0 400 800 1,600
Feet
City of Poquoson Storm Sewer Map - Sheet 3

Outfall Type	VAHU6	HUC 12	Receiving Water	Impaired	Zone	Outfall ID	Impaired	Estimated Service Area (Ac)	Latitude	Longitude	Bay TMDL	Other TMDL	Predominant Land Use
Ditch	CB21	20801080101	Poquoson River - Mouth	Yes	A	A001	Yes	7.60	37° 9' 33.541" N	76° 24' 3.124" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A002	Yes	1.64	37° 9' 28.286" N	76° 23' 53.346" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A003	Yes	3.53	37° 9' 27.547" N	76° 23' 51.928" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A004	Yes	3.84	37° 9' 26.055" N	76° 23' 49.998" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A005	Yes	5.64	37° 9' 24.588" N	76° 24' 5.329" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A006	Yes	8.12	37° 9' 22.303" N	76° 24' 7.024" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Lower	Yes	A	A007	Yes	2.43	37° 9' 21.321" N	76° 23' 27.070" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A008	Yes	4.59	37° 9' 21.206" N	76° 23' 57.651" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Poquoson River - Mouth	Yes	A	A009	Yes	2.78	37° 9' 20.528" N	76° 23' 8.322" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A010	Yes	2.07	37° 9' 20.029" N	76° 23' 51.188" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Unsegmented estuaries in Back River	Yes	A	A011	Yes	6.97	37° 9' 18.799" N	76° 23' 17.168" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Unsegmented Estuaries in Back River	Yes	A	A012	Yes	2.78	37° 9' 18.005" N	76° 23' 17.698" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A013	Yes	2.45	37° 9' 16.387" N	76° 24' 20.259" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A014	Yes	8.00	37° 9' 16.187" N	76° 24' 21.429" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Poquoson River - Mouth	Yes	A	A015	Yes	3.50	37° 9' 16.071" N	76° 23' 4.646" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A016	Yes	5.67	37° 9' 15.993" N	76° 23' 30.667" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A017	Yes	0.96	37° 9' 15.844" N	76° 23' 22.469" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A018	Yes	2.58	37° 9' 13.935" N	76° 23' 22.882" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unsegmented estuaries in Back River	Yes	A	A019	Yes	0.78	37° 9' 12.784" N	76° 23' 0.339" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A020	Yes	1.58	37° 9' 12.211" N	76° 23' 17.612" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A021	Yes	3.15	37° 9' 10.372" N	76° 24' 19.151" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A022	Yes	1.45	37° 9' 10.176" N	76° 23' 15.024" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A023	Yes	4.43	37° 9' 8.952" N	76° 23' 59.545" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A024	Yes	1.21	37° 9' 7.995" N	76° 24' 14.327" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lyons Creek - Upper Middle	Yes	A	A025	Yes	16.33	37° 9' 7.536" N	76° 23' 7.314" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A026	Yes	5.94	37° 9' 6.729" N	76° 23' 44.248" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A027	Yes	2.35	37° 9' 4.464" N	76° 23' 41.368" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A028	Yes	11.22	37° 9' 3.878" N	76° 23' 55.305" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Poquoson River - Lower [DSS-OPEN]	Yes	A	A029	Yes	1.90	37° 9' 3.582" N	76° 24' 25.246" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	A	A030	Yes	7.05	37° 8' 59.122" N	76° 23' 15.224" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A031	Yes	7.96	37° 8' 58.235" N	76° 23' 36.584" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	A	A032	Yes	5.95	37° 8' 57.332" N	76° 22' 58.309" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A033	Yes	4.97	37° 8' 57.154" N	76° 23' 47.497" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A034	Yes	35.25	37° 8' 54.054" N	76° 23' 52.238" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A035	Yes	1.80	37° 8' 54.024" N	76° 23' 52.197" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Roberts Creek - Upper	Yes	A	A036	Yes	6.47	37° 8' 51.139" N	76° 23' 35.796" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A037	Yes	5.26	37° 8' 50.504" N	76° 23' 27.345" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lyons Creek - Upper Middle	Yes	A	A038	Yes	2.97	37° 8' 47.851" N	76° 23' 27.003" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A039	Yes	5.57	37° 8' 47.839" N	76° 23' 32.148" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Roberts Creek - Upper	Yes	A	A040	Yes	26.21	37° 8' 46.421" N	76° 23' 37.738" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Lower	Yes	B	B001	Yes	1.84	37° 8' 59.405" N	76° 22' 33.410" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
BMP	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B002	Yes	16.51	37° 8' 59.025" N	76° 24' 13.158" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B003	Yes	2.16	37° 8' 56.320" N	76° 24' 33.488" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B004	Yes	6.63	37° 8' 54.907" N	76° 24' 23.850" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B005	Yes	34.27	37° 8' 53.902" N	76° 24' 14.990" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Lower Middle	Yes	B	B006	Yes	8.06	37° 8' 51.758" N	76° 22' 31.678" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B007	Yes	9.32	37° 8' 48.535" N	76° 24' 30.981" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B008	Yes	0.53	37° 8' 48.500" N	76° 22' 56.941" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B009	Yes	4.31	37° 8' 48.230" N	76° 24' 33.086" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B010	Yes	1.13	37° 8' 46.829" N	76° 22' 58.987" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B011	Yes	7.31	37° 8' 46.592" N	76° 22' 53.086" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B012	Yes	1.20	37° 8' 46.169" N	76° 24' 39.048" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B013	Yes	1.74	37° 8' 45.142" N	76° 22' 32.294" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B014	Yes	6.08	37° 8' 44.730" N	76° 22' 46.784" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B015	Yes	20.08	37° 8' 44.013" N	76° 24' 30.506" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B016	Yes	1.74	37° 8' 43.532" N	76° 22' 51.259" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B017	Yes	2.23	37° 8' 42.873" N	76° 23' 2.111" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B018	Yes	5.23	37° 8' 41.356" N	76° 23' 16.940" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B019	Yes	2.51	37° 8' 40.369" N	76° 24' 26.801" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B020	Yes	4.48	37° 8' 40.210" N	76° 23' 19.520" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B021	Yes	1.91	37° 8' 39.861" N	76° 23' 0.056" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B022	Yes	8.21	37° 8' 39.117" N	76° 24' 39.828" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B023	Yes	5.82	37° 8' 38.301" N	76° 23' 8.328" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B024	Yes	7.22	37° 8' 37.794" N	76° 23' 23.120" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B025	Yes	11.12	37° 8' 35.552" N	76° 24' 27.275" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B026	Yes	3.87	37° 8' 34.084" N	76° 23' 27.978" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B027	Yes	2.79	37° 8' 33.849" N	76° 23' 27.573" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B028	Yes	115.50	37° 8' 33.352" N	76° 23' 30.063" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lyons Creek - Upper Middle	Yes	B	B029	Yes	48.68	37° 8' 32.930" N	76° 23' 30.310" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B030	Yes	5.89	37° 8' 30.122" N	76° 23' 9.649" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B031	Yes	3.52	37° 8' 27.898" N	76° 23' 7.689" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B032	Yes	3.33	37° 8' 27.614" N	76° 23' 11.733" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B033	Yes	3.26	37° 8' 24.910" N	76° 23' 16.781" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B034	Yes	0.39	37° 8' 24.195" N	76° 22' 52.650" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential

BMP	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B035	Yes	15.73	37° 8' 22.238" N	76° 24' 25.487" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B036	Yes	1.82	37° 8' 22.172" N	76° 22' 57.982" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B037	Yes	3.17	37° 8' 21.695" N	76° 23' 23.090" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B038	Yes	2.26	37° 8' 20.770" N	76° 24' 34.889" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B039	Yes	11.11	37° 8' 20.606" N	76° 23' 4.009" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B040	Yes	3.49	37° 8' 19.775" N	76° 23' 10.390" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B041	Yes	39.38	37° 8' 19.040" N	76° 23' 28.899" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B042	Yes	3.89	37° 8' 16.953" N	76° 24' 43.886" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B043	Yes	56.66	37° 8' 12.896" N	76° 24' 30.057" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B044	Yes	1.06	37° 8' 12.677" N	76° 23' 11.999" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	B	B045	Yes	0.85	37° 8' 12.601" N	76° 23' 12.062" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B046	Yes	4.86	37° 8' 12.252" N	76° 24' 29.073" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B047	Yes	1.92	37° 8' 11.683" N	76° 24' 39.295" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B048	Yes	2.19	37° 8' 4.804" N	76° 24' 35.283" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B048A	Yes	5.90	37 08'24048"N	76 24'35.90"W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B049	Yes	4.54	37° 8' 2.997" N	76° 24' 33.298" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B050	Yes	50.91	37° 8' 2.965" N	76° 24' 32.829" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B051	Yes	3.70	37° 7' 56.688" N	76° 24' 38.534" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B052	Yes	3.32	37° 7' 53.041" N	76° 24' 38.633" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Lambs Creek - Poquoson River	Yes	B	B053	Yes	104.80	37° 7' 48.219" N	76° 24' 38.737" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C001	Yes	1.90	37° 8' 14.947" N	76° 22' 58.650" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C002	Yes	6.31	37° 8' 14.478" N	76° 23' 0.182" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C003	Yes	111.27	37° 8' 10.506" N	76° 23' 28.383" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C004	Yes	4.84	37° 8' 9.954" N	76° 23' 26.730" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C005	Yes	125.05	37° 8' 9.585" N	76° 23' 25.534" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C006	Yes	1.72	37° 8' 7.758" N	76° 23' 15.497" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	C	C007	Yes	25.00	37° 8' 3.260" N	76° 23' 9.359" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	C	C008	Yes	24.76	37° 7' 13.428" N	76° 23' 19.470" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	C	C009	Yes	15.04	37° 7' 11.642" N	76° 23' 11.472" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	C	C010	Yes	360.46	37° 7' 8.452" N	76° 23' 31.934" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	C	C011	Yes	24.58	37° 6' 59.227" N	76° 23' 9.809" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Brick Kiln Creek	Yes	C	C012	Yes	22.90	37° 6' 47.382" N	76° 23' 23.948" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Brick Kiln Creek	Yes	C	C013	Yes	5.24	37° 6' 46.985" N	76° 23' 40.498" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Brick Kiln Creek	Yes	C	C014	Yes	70.96	37° 6' 43.313" N	76° 23' 49.548" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Brick Kiln Creek	Yes	C	C015	Yes	2.23	37° 6' 39.787" N	76° 23' 40.998" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Brick Kiln Creek	Yes	C	C016	Yes	1.91	37° 6' 35.389" N	76° 23' 41.034" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Brick Kiln Creek	Yes	C	C017	Yes	15.85	37° 6' 30.203" N	76° 23' 35.502" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Lower Middle	Yes	D	D001	Yes	5.96	37° 8' 39.347" N	76° 22' 20.994" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Lower Middle	Yes	D	D002	Yes	1.33	37° 8' 30.981" N	76° 22' 14.128" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	D	D003	Yes	3.30	37° 8' 30.579" N	76° 22' 29.527" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	D	D004	Yes	1.87	37° 8' 30.490" N	76° 22' 32.703" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D005	Yes	5.06	37° 8' 25.709" N	76° 22' 20.941" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D006	Yes	18.75	37° 8' 22.760" N	76° 22' 33.952" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D007	Yes	0.78	37° 8' 19.063" N	76° 22' 32.573" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D008	Yes	0.74	37° 8' 18.962" N	76° 22' 29.938" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D009	Yes	1.31	37° 8' 17.978" N	76° 22' 34.368" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D010	Yes	0.85	37° 8' 16.902" N	76° 22' 27.900" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D011	Yes	1.18	37° 8' 16.247" N	76° 22' 22.718" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D012	Yes	3.21	37° 8' 15.378" N	76° 22' 13.632" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D013	Yes	0.99	37° 8' 15.258" N	76° 22' 33.152" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D014	Yes	1.25	37° 8' 15.021" N	76° 22' 28.309" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	D	D015	Yes	11.78	37° 8' 13.177" N	76° 22' 50.809" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	D	D016	Yes	15.82	37° 8' 9.783" N	76° 21' 59.704" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D017	Yes	1.59	37° 8' 8.383" N	76° 22' 13.782" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D018	Yes	3.82	37° 8' 8.066" N	76° 22' 40.340" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
BMP	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	D	D019	Yes	5.70	37° 8' 4.755" N	76° 21' 52.888" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
BMP	CB21	20801080101	Floyds Bay	Yes	D	D020	Yes	9.39	37° 8' 4.408" N	76° 22' 17.638" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D021	Yes	1.28	37° 8' 2.526" N	76° 22' 31.977" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D022	Yes	18.39	37° 8' 0.996" N	76° 22' 29.210" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D023	Yes	8.79	37° 8' 0.677" N	76° 22' 38.843" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	White House Cove - Bennett Cr. Area	Yes	D	D024	Yes	38.41	37° 7' 59.138" N	76° 22' 55.527" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D025	Yes	6.29	37° 7' 59.086" N	76° 22' 13.257" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D026	Yes	21.15	37° 7' 57.530" N	76° 22' 8.716" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D027	Yes	14.09	37° 7' 57.397" N	76° 22' 17.311" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Floyds Bay	Yes	D	D028	Yes	33.09	37° 7' 56.406" N	76° 22' 9.419" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Floyds Bay	Yes	D	D029	Yes	6.98	37° 7' 56.355" N	76° 22' 12.543" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E001	Yes	129.16	37° 7' 30.396" N	76° 22' 34.274" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E002	Yes	6.11	37° 7' 27.721" N	76° 22' 30.106" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E003	Yes	143.69	37° 7' 26.318" N	76° 22' 47.773" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E004	Yes	16.71	37° 7' 24.095" N	76° 22' 47.060" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E005	Yes	5.02	37° 7' 23.942" N	76° 22' 39.923" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E006	Yes	1.67	37° 7' 23.809" N	76° 22' 40.284" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E007	Yes	2.10	37° 7' 21.285" N	76° 22' 34.038" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E008	Yes	5.37	37° 7' 20.434" N	76° 22' 46.422" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E009	Yes	1.96	37° 7' 20.136" N	76° 22' 38.800" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E010	Yes	0.92	37° 7' 20.121" N	76° 22' 39.373" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E011	Yes	1.17	37° 7' 19.679" N	76° 22' 43.810" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential

Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E012	Yes	7.77	37° 7' 17.574" N	76° 22' 45.205" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E013	Yes	16.97	37° 7' 16.825" N	76° 22' 27.900" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E014	Yes	4.32	37° 7' 14.180" N	76° 22' 0.246" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E015	Yes	0.54	37° 7' 13.781" N	76° 22' 2.807" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E016	Yes	96.01	37° 7' 13.612" N	76° 22' 11.451" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E017	Yes	7.95	37° 7' 13.288" N	76° 22' 41.868" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E018	Yes	18.28	37° 7' 9.803" N	76° 22' 59.693" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E019	Yes	3.75	37° 7' 9.027" N	76° 22' 7.073" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E020	Yes	2.22	37° 7' 6.349" N	76° 22' 1.848" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E021	Yes	1.47	37° 7' 3.447" N	76° 22' 6.676" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E022	Yes	5.07	37° 7' 2.543" N	76° 22' 1.346" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E023	Yes	4.74	37° 7' 1.676" N	76° 22' 50.865" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	E	E024	Yes	5.46	37° 7' 0.894" N	76° 22' 55.551" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Curb and Gutter	CB22	20801080102	Northwest Br. Back River - Upper [TMDL not CD]	Yes	E	E025	Yes	2.28	37° 6' 58.362" N	76° 22' 3.815" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F001	Yes	0.38	37° 8' 3.610" N	76° 21' 50.189" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
BMP	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F002	Yes	5.60	37° 8' 3.077" N	76° 21' 45.182" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F003	Yes	3.17	37° 7' 54.992" N	76° 21' 46.638" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F004	Yes	11.29	37° 7' 54.253" N	76° 21' 45.502" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F005	Yes	1.23	37° 7' 53.643" N	76° 21' 34.760" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F006	Yes	0.38	37° 7' 53.199" N	76° 21' 33.717" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F007	Yes	27.32	37° 7' 52.880" N	76° 21' 41.655" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F008	Yes	14.60	37° 7' 46.809" N	76° 21' 10.356" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F009	Yes	5.19	37° 7' 46.450" N	76° 21' 32.845" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F010	Yes	1.50	37° 7' 44.436" N	76° 21' 32.614" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	F	F011	Yes	31.11	37° 7' 41.632" N	76° 21' 27.522" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F012	Yes	15.98	37° 7' 37.329" N	76° 21' 49.831" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F013	Yes	21.29	37° 7' 32.037" N	76° 21' 49.801" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F014	Yes	12.62	37° 7' 29.477" N	76° 21' 46.937" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F015	Yes	13.38	37° 7' 28.756" N	76° 21' 46.569" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F016	Yes	10.72	37° 7' 25.584" N	76° 21' 45.430" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F017	Yes	12.81	37° 7' 22.000" N	76° 21' 52.484" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Watts Creek - (NW Br. Back River)	Yes	F	F018	Yes	55.85	37° 7' 18.765" N	76° 21' 0.906" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F019	Yes	3.25	37° 7' 18.713" N	76° 21' 55.059" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F020	Yes	9.33	37° 7' 18.186" N	76° 21' 43.122" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Cedar & Topping Creeks	Yes	F	F021	Yes	3.44	37° 7' 17.764" N	76° 22' 3.063" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB22	20801080102	Watts Creek - (NW Br. Back River)	Yes	F	F022	Yes	0.34	37° 7' 13.784" N	76° 21' 2.418" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Watts Creek - (NW Br. Back River)	Yes	F	F023	Yes	2.44	37° 7' 13.412" N	76° 20' 54.641" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	orthwest Br. Back River - Upper [TMDL not C	Yes	F	F024	Yes	28.15	37° 7' 12.619" N	76° 21' 31.527" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Watts Creek - (NW Br. Back River)	Yes	F	F025	Yes	2.06	37° 7' 11.763" N	76° 21' 11.713" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB22	20801080102	Watts Creek - (NW Br. Back River)	Yes	F	F026	Yes	0.73	37° 7' 7.229" N	76° 21' 15.552" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Easton Cove	Yes	G	G001	Yes	0.49	37° 8' 25.541" N	76° 21' 51.585" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Lower Middle	Yes	G	G002	Yes	0.10	37° 8' 24.231" N	76° 21' 50.751" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Easton Cove	Yes	G	G003	Yes	2.38	37° 8' 23.060" N	76° 21' 45.368" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Easton Cove	Yes	G	G004	Yes	1.00	37° 8' 19.116" N	76° 21' 37.609" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Easton Cove	Yes	G	G005	Yes	2.45	37° 8' 17.283" N	76° 21' 34.800" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Easton Cove	Yes	G	G006	Yes	3.51	37° 8' 10.772" N	76° 21' 26.933" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Easton Cove	Yes	G	G007	Yes	2.77	37° 8' 6.926" N	76° 21' 23.323" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	G	G008	Yes	0.68	37° 7' 57.718" N	76° 21' 18.627" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	G	G009	Yes	2.04	37° 7' 54.977" N	76° 21' 15.698" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	G	G010	Yes	2.11	37° 7' 50.074" N	76° 21' 8.507" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unsegmented estuaries in Back River	Yes	G	G011	Yes	0.36	37° 7' 48.084" N	76° 20' 28.426" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	G	G012	Yes	4.38	37° 7' 46.900" N	76° 21' 6.502" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unsegmented estuaries in Back River	Yes	G	G013	Yes	1.88	37° 7' 46.775" N	76° 20' 27.086" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Easton Cove	Yes	G	G014	Yes	78.43	37° 7' 44.381" N	76° 20' 58.808" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unsegmented estuaries in Back River	Yes	G	G015	Yes	5.93	37° 7' 40.111" N	76° 20' 17.492" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unnamed Tributary to Easton Cove	Yes	G	G016	Yes	16.30	37° 7' 39.226" N	76° 20' 32.982" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB21	20801080101	Unsegmented estuaries in Back River	Yes	G	G017	Yes	1.51	37° 7' 37.252" N	76° 20' 12.299" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Easton Cove	Yes	G	G018	Yes	2.48	37° 7' 35.288" N	76° 20' 50.799" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Unsegmented estuaries in Back River	Yes	G	G019	Yes	2.05	37° 7' 34.471" N	76° 20' 5.864" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB21	20801080101	Easton Cove	Yes	G	G020	Yes	100.00	37° 7' 32.724" N	76° 20' 42.957" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Front Cove - Upper	Yes	G	G021	Yes	0.74	37° 7' 26.489" N	76° 19' 59.887" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Front Cove - Upper	Yes	G	G022	Yes	6.01	37° 7' 25.272" N	76° 19' 59.632" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G023	Yes	3.56	37° 7' 16.693" N	76° 20' 23.063" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Mainstem Back River	Yes	G	G024	Yes	61.93	37° 7' 15.605" N	76° 20' 6.409" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Mainstem Back River	Yes	G	G025	Yes	1.59	37° 7' 15.233" N	76° 19' 52.068" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G026	Yes	2.59	37° 7' 15.180" N	76° 20' 28.970" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G027	Yes	0.26	37° 7' 15.106" N	76° 20' 35.648" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G028	Yes	2.30	37° 7' 14.882" N	76° 20' 37.455" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Mainstem Back River	Yes	G	G029	Yes	1.34	37° 7' 13.173" N	76° 19' 50.002" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G030	Yes	1.55	37° 7' 10.318" N	76° 20' 41.575" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G031	Yes	2.27	37° 7' 7.295" N	76° 20' 40.329" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Front Cove - Upper	Yes	G	G032	Yes	3.53	37° 7' 5.647" N	76° 19' 40.313" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Front Cove - Upper	Yes	G	G033	Yes	0.41	37° 7' 5.625" N	76° 19' 40.252" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G034	Yes	1.90	37° 7' 0.841" N	76° 20' 36.965" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G035	Yes	1.50	37° 6' 58.114" N	76° 20' 35.442" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G036	Yes	1.71	37° 6' 53.574" N	76° 20' 34.814" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential

Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G037	Yes	0.94	37° 6' 48.485" N	76° 20' 33.789" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G038	Yes	0.19	37° 6' 46.386" N	76° 20' 32.739" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G039	Yes	0.86	37° 6' 44.571" N	76° 20' 31.004" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G040	Yes	0.40	37° 6' 41.691" N	76° 20' 29.100" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Front Cove - Upper	Yes	G	G041	Yes	4.45	37° 6' 39.547" N	76° 19' 14.512" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Unsegmented estuaries in Back River	Yes	G	G042	Yes	0.99	37° 6' 39.082" N	76° 20' 27.657" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Ditch	CB24	20801080104	Mainstem Back River	Yes	G	G043	Yes	0.65	37° 6' 36.029" N	76° 19' 19.456" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Mainstem Back River	Yes	G	G044	Yes	2.31	37° 6' 33.352" N	76° 19' 10.627" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Pipe	CB24	20801080104	Mainstem Back River	Yes	G	G045	Yes	1.08	37° 6' 30.568" N	76° 20' 23.358" W	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential

CITY OWNED BMPs

City-owned BMP Type	VAHU6	HUC 12	Receiving Water	Impaired	Zone	NAME	Estimated Service Area (Ac)	Estimated Impervious Area (Ac)	Latitude	Longitude	Bay TMDL	Other TMDL	Predominant Land Use
Wet Pond	CB21	20801080101	Bennett Creek - Upper (DSS_06-IR)	Yes	G	South Lawson Park Pond	16	2.29700000000	37.1249499	-76.35315853	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Constructed Wetland	CB22	20801080102	Northwest Br. Back River - Upper	Yes	G	City Hall Wetland	20	8.88000000000	37.12441521	-76.39738932	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential
Wet Pond	CB22	20801080102	Northwest Br. Back River - Upper	Yes	G	Library Pond	7	3.41000000000	37.12170898	-76.39790271	Yes	Fecal Coliform; approved by the SWCB Dec. 2017; by EPA FEB 2018	Urbanized; no industrial; predominantly residential

DRY WEATHER/ILLICIT DISCHARGE SCREENING PROTOCOL

Purpose

In accordance with its MS4 permit, Poquoson must develop a dry weather screening protocal to find and eliminate to the maximum extent practicable illicit discharges into its storwmater system. These SOP's are intended to accomplish this goal.

Scope

Dry weather screening is primarily conducted by Public Works and City Engineering employees. However, detecting and eliminating illicit discharges is the joint responsibility of all employees. City departments will incorporate good housekeeping measures and will notify the proper authority of suspected illicit discharges in a timely manner.

Training

In order to ensure all employees understand their responsibilities and requried courses of action in the event of seeing or being informed of a possible illicit discharge, all department heads will be briefed on standard operating procedures at least once a permit cycle. Personnel charged with screening for, investigating or handling illicit discharges will be trained in accordance with MS4 permit requirements.

Fire Department

The Fire Department will respond to all reports of discharges of hazardous substances in accordance with DEQ requirements. Other City personnel shall notify the Fire Department if a hazardous discharge is suspected.

Public Works Employees

Public works employees serve as the front line of defense against and the primary screeners for illicit discharges. Poquoson is a low lying coastal community that routinely experiences flooding. Maintenance of the City's drainage sytem is a year-round, constant activity. All Public Works employees will be trained to identify, investigate and report illicit discharges. Those employees working in or near the drainage system will perform an initial screening of the entire length of the MS4 segment in which they are working prior to beginning work. The crew chief will fill out screening forms and report to the drainage supervisor. The drainage supervisor will keep all records and provide updates to the City Engineer. If a potential discharge is suspected, the crew chief will immediately follow the potential discharge to determine its source. If a source cannot be identified or if there are indicators that standing water in a ditch or pipe could be something other than groundwater or tidal water, the crew chief will notify the City Inspector and the City Engineer. The drainage supervisor will receive additional training on teh importance of screening for and identifying illicit discharges, and will ensure his crews are properly trained.

City Inspector

The City Inspector will respond to all complaints of illicit discharges and follow up on any discharges identified by fellow employees. The City Inspector will initiate enforcement actions as needed; take samples of suspected discharges; and consult with the City Engineer and Environmental Compliance Officer.

Planned FY 2022 Inspections and Rationale

	Priorities and Rationale
General: Configuration of the City	Poquoson's primary land use is single family residential. There is a limited amount of commercial land uses supporting suburban living, such as restaurants and grocery stores. Most commercial land uses are located along Wythe Creek Road. There are a few marinas located outside the City's MS4 service area. There are no industrial land uses in the City. Over 99% of all homes are connected to public sewer. The City itself is configured into one concentrated, developed area surrounded on three sides by water and tidal wetlands.
History of Detecting Discharges	Adequate drainage and water flow is a key concern due to the community's low laying nature. In addition, the City has a strong focus on environmental issues. Due to these factors, as well as highly visible drainage systems, result in illicit discharges often being reported to the City as they are happening. Historically, that is how most large illicit discharges are detected and reported. Discharges that are discovered during inspections often tend to be discharges caused by common residential uses, such as yard waste, pet waste, motor oil, or cooking waste.
Areas of the City Where Illicit Discharges are most often found	Yard wastes, pool filter discharge lines, motor oil are typically found in the City's residential areas. Discharges tend to occur in open ditches as opposed to closed pipe systems. Commercial dumpsters are another source of possible illicit discharges. Prioritized areas are those portions of the system located downstream of dense residential development and outfalls of commercial areas. Outfalls located further downstream outside of the area easily accessed by residents are a lower priority. In addition to the MS4, the City should continue to monitor the Messick Point area, as this is an isolated area that has a history of chemical drop offs and frequent refuse.
FY 2022 Priorities	Public Works will continue to inspect outfalls in sub areas C, D, and F. F001 is located downstream of an ongoing Middle School renovation project and should be inspected this year. C010 is downstream of a large ongoing construction project and should be inspected. E017 is also downstream of a large new construction site and should be inspected. Inspections will continue in the most populated areas of the City, with isolated and smaller outfall inspections occurring after the ones listed herein.
Additional Concerns	The 2021 Poquoson Seafood Festival is currently planned for October 2021. After the event is completed, the site will be inspected to make sure that proper cleanup has taken place. Note that this list of planned inspections is subject to change based on new construction, staffing, citizen input, pandemic related issues, and flooding concerns. If enough warning is given, be aware that staff members walk the entire drainage system prior to a hurricane.

CITY OF POQUOSON, VA
Department of Public Works

DRY WEATHER SCREENING
ILLICIT DISCHARGE DETECTION DATA SHEET

- Check all of City drainage areas, clean leaves and debris, as part of annual preventative maintenance and rain/snow events.

Month: August
Year: 2020

DATE:	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
TIME:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PUBLIC WORKS I.D. NO.:																															
SECTION CODE & No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	B8C	B8C	B8C	N/A	B8C	N/A	N/A	N/A	N/A	B8B	B8B	C8	N/A	N/A	C8	C8	B2B B2A/C	B2B B2A/C	B2B B2A/C	N/A	N/A	B2B B2A/C
WEATHER:																															
CALM	N/A	N/A	YES	N/A	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES
CLOUDY	N/A	N/A	YES	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	YES	N/A	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DRY	N/A	N/A	NO	NO	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	NO	N/A	N/A	NO	NO	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES
RAIN	N/A	N/A	YES	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SNOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SUNNY	N/A	N/A	N/A	N/A	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	N/A	N/A	N/A	YES	YES	YES	N/A	YES	N/A	N/A	N/A	YES	YES	YES	YES	N/A	N/A	YES
WET	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	YES
WIND	N/A	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TYPE OF DRAINAGE STRUCTURE:																															
PIPE Include size & length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNPAVED DITCH Include length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3000'	3000'	3000'	N/A	3000'	N/A	N/A	N/A	N/A	7315'	7315'	2200'	N/A	N/A	2200'	2200'	3890'	3890'	3890'	N/A	N/A	3890'
PAVED Include length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TOTAL FOOTAGE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3000'	3000'	3000'	N/A	3000'	N/A	N/A	N/A	N/A	7315'	7315'	2200'	N/A	N/A	2200'	2200'	3890'	3890'	3890'	N/A	N/A	3890'
CONDITION OF DRAINAGE AREA:																															
HEAVY SEDIMENT AND/OR EROSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
PIPES DAMAGED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PAVED SECTIONS DAMAGED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ILLICIT DISCHARGE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
OTHER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
PHYSICAL INDICATORS:																															
DID YOU NOTICE ANY UNUSUAL SMELLS?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
SEWAGE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
PETROLEUM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
RANCIS/SOUR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
SULFUR (Rotten Eggs)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
DID THE WATER HAVE UNUSUAL COLOR OR OILY SHEEN?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
INDICATIONS OF FLOWABLES (Toilet paper, feces, suds, etc.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	NO	NO	N/A	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO	NO	NO	NO	NO	N/A	N/A	NO
CONDITION OF VEGATATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER UNUSUAL CONDITIONS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES: _____

Attach any additional information, such as approximate address/location, photos, etc.

Summary of Illicit Discharge and Dry Weather Screening Fiscal Year 2020

Month	outfalls	length ditches, l.f.	# outfalls
Jul-20	B: 11, 12, 13, 17; C: 4, 5, 6, 6a; D: 3, 3d; F: 2a, 2b, 7a, 7b	9,270	14
Aug-20	B: 2a, 2b, 2c, 8b, 8c; C: 8	16,405	6
Sep-20	C: 1a, 1d, 1e; D: 8, 8a, 8b; E: 2f, 2g	4,930	8
Oct-20	C: 26; E: 7; F: 1ba, 4a, 4b, 4c	4,680	6
Nov-20	E: 20	1,200	1
Dec-20	B: 4, 8b, 11, 12, 13; C: 1a, 1b, 1d, 1e, 9	20,235	10
Jan-21	C: 2b, 7a, 8, 9; E: 2g	12,810	5
Feb-21	A: 2, 5a, 6b, 6d, 11, 11a; B: 3; C: 3; D: 8; F: 6, 6a; G: 5g	12,725	12
Mar-21	B: 8c; D: 2; E: 2; F: 2a, 5a, 5b; G: 1a, 2l	11,485	8
Apr-21	A: 1, 16; E: 1a; F: 4d, 5c, 5d, 6, 7, 7a, 7b	10,590	10
May-21	A: 1d, 2, 5a, 5b, 6a, 6b, 6c, 9; C: 15, 17, 18, 19; E: 2d, 8	18,220	14
Jun-21	A: 7, 11, 11a; C: 2, 2a, 2b; D: 4, 4a, 4b; G: 5	7,000	10
total		**129,550**	**104**

Fiscal Year 2021

City of Poquoson
Fire and Rescue

830 Poquoson Ave.
Poquoson, VA 23662
757-868-3510
F757-868-3514

SPECIAL OPERATIONS

SOP#: SO 2.00

Title: Hazardous Materials Incident

Effective Date: 06/06/2008

Revised Date: 06/06/2008

Fire Chief's Signature

City Manager's Signature

HAZARDOUS MATERIALS INCIDENTS

I. PURPOSE

This is to provide guidelines for engine company response to possible hazardous material incidents. Areas addressed within this guideline cover five general areas.

- Actions taken by the engine company upon receipt of and while en route to a possible hazardous materials incident.
- Actions to be taken by the engine company upon arrival at and while on the scene of a possible hazardous materials incident in transportation at fixed facilities.
- Proper response to roadway spills.
- The notification and possible response of the local Hazardous Materials Team.
- Emergency Decontamination of contaminated personnel.

This SOP is not all-inclusive and cannot encompass all situations that may be encountered.

II. APPLICATION

All Career and Volunteer Personnel

III. POLICY

Upon receipt of a call identifying a possible hazardous materials incident, the first responding officer should use the following guidelines to assist in the initial size-up of the incident.

1. Request all available information from the dispatcher.
   - Nature of the call
   - Who requested the Fire Department / number of calls
   - Type of facility or vehicle(s) involved
   - Number of injured persons, and any outward signs and symptoms.
   - Any specific chemicals, if known

2. Obtain wind speed and direction from the dispatcher.

3. Upon arrival
   - Determine that there is a problem
   - Look for signs of an intentional act; WMD
   - Isolate area of incident, deny entry.
   - **Refer to Emergency Response Guidebook for initial actions and isolation distances.**
   - Make notifications as soon as possible, example: Police, Haz-Mat team, Hospitals etc.

Fixed Site Incidents

SAFETY OF THE RESPONDING FIREFIGHTERS IS TO BE GIVEN FIRST CONSIDERATION BEFORE ANY ACTION IS UNDERTAKEN. (It is strongly suggested that the Incident Commander, advise all responding units to stage while an initial assessment is conducted.)

Apparatus should stage **UP-HILL-AND-UP-WIND** at a safe distance from the incident.

Establish Command and gather the following information:

- Locate the person who requested the Fire Department and verify the reason for requesting assistance.
- Attempt to determine the chemicals involved.
- Obtain all available information on the health hazards of the chemicals involved.
- Determine the quantity of chemicals involved.
- Gather all available information on the physical and chemical properties of the chemicals involved. Including if the chemicals react to other products/chemicals.
- Try to obtain MSDS sheets, Bill of Laden, Cargo Manifest or Shipping Papers on the chemicals involved.

Based upon the information gathered, determine if the Engine Company is capable of providing the actions required to **MITIGATE** the hazard.

Request the Hazardous Materials Team for specialized assistance if required.

Determine if evacuation is necessary.

Transportation Incidents

Establish command and gather information.

Attempt to locate the driver of the vehicle and ascertain what products are in the shipment.

Observe the vehicle from a safe distance noting trailer style and construction.

- Box trailer
- Tank trailer and shape of the tank

LOOK FOR PLACARDS, LABELS, U.N. / N.A. ID NUMBERS ON THE TANK AND RECORD THEM.

Look for leaks or spills.

- Amount of product that has spilled or leaked.
- Potential danger of entering waterways, storm sewers, or domestic systems

Determine the type and location of damage to vehicle.

Observe vapor production and direction of the vapor plume.

Attempt to obtain the Bill of Lading if it can be done SAFELY.

- Normally located in the pouch on the driver's door or on the driver's seat when the driver is away from the vehicle.
- If two trailers are being drawn in tandem (PIGGY-BACK) the Bill of Lading of the rear trailer may be locked in that trailer and unavailable.
- Intermodal tanks will have a tube secured to the tank with papers inside.

If the vehicle is involved in fire and has liquid or vapor products burning;

- DO NOT EXTINGUISH VALVE FIRES IF CONTAINER IS PRESSURIZED UNLESS THE LEAK CAN BE STOPPED IMMEDIATELY AFTER EXTINGUISHMENT. (Consider tank cooling to prevent B.L.E.V.E.)
- DO NOT ATTEMPT TO EXTINGUISH FIRES USING FOAM UNLESS ENOUGH FOAM IS AT THE INCIDENT TO SUCCESSFULLY EXTINGUISH THE FIRE.

Roadway Spills

For a small quantity fuel spill on the highways (defined as fuels in storage tanks designed for vehicle operation), spread control should be initiated as necessary to prevent contamination of surrounding waterways. City agencies may be requested as needed for

containment supplies. Because spill quantities should be limited (review above definition), debris can be removed from the scene and transported to the proper facility.

The department of Public Works can be called to the scene with a street sweeper and clean the roadway of any remnants.

Hazardous Materials Team

The Hazardous Materials Team shall be dispatched, by dispatch, during any of the following incidents:

- Any time an Incident Commander requires technical assistance concerning hazardous materials.
- When a hazardous materials incident requires evacuation of the general public or when the incident exposes a hospital, nursing home, school, and/or day care center.
- When personnel encounter products in excess of the following amounts:
    - Poisons - any amount
    - Radioactive - any amount
    - Organic Peroxides - any amount
    - Etiologic Agents (Biomedical materials) - any amount
    - Irritants - any amount
    - Explosives or Blasting Agents - any amount except set explosive devices g) Flammable solids - any amount
    - Flammable Liquids - in excess of 50 gallons
    - Flammable Gases - any amount
    - Corrosives - any amount
    - Oxidizers - any amount
    - Chlorine/Ammonia - any amount
    - Combustible Liquids - in excess of 50 gallons
    - All confirmed Haz-Mat incidents
    - Petroleum spills - in excess of 50 gallons
    - Flammable spills which enter a storm drain or sewer system

Emergency Decontamination

The guidelines below are to be followed in those instances where the appropriate decontamination procedures cannot be followed for reasons of lack of manpower, lack of equipment, lack of time, etc. This technique to be used by the initial engine company, without the resources of the Hazardous Materials Team.

To facilitate this work, it is recommended that a pre-assembled Emergency DECON kit be carried having at least one brush, one bucket and some soap. Failing this, water should be used in copious amounts. A pumper or other water source is required.

The steps to be followed are:

- DECON area is identified.
- Brush off dry product.
- Remove all clothing.
- Thoroughly wash and rinse the victim with soap and water using a brush and not contacting the victim.

These steps should only take a few minutes. They may be altered as necessary.

Remember that speed is of the essence and that if time or equipment deficiency requires it, thorough washing with water is considered emergency decontamination.

Emergency decontamination is to be done rapidly, but effectively. This is very important to insure that there is no product migration from the incident site, so as not to contaminate the transport ambulance or receiving hospital.

If there is a question as to whether DECON is thorough, isolate decontaminated personnel until all doubts are answered.

Standard Operating Procedures for Responding to Spill Reports and Environmental Concerns

	Standard Operating Procedure
Purpose	In accordance with its MS4 permit, Poquoson must develop a standard operating procedure to react to reports of and mitigate to the maximum extent practicable illicit discharges into its storwmater system. These SOP's are intended to accomplish this goal.
Scope	Reacting to reports of and eliminating illicit discharges is the joint responsibility of all employees. All City departments will respond to reports of illicit discharges by notifying the proper authority in a timely manner.
Notification and Tracking	While several departments (listed below) are equipped to and routinely respond to reports of illicit discharges, City employees receiving reports of illicit discharges are to report all potential spills to the Environmental Compliance Officer (ECO) at 868-3040. Spills occurring within the City's drainage system can also be reported to the Public Works Department. The Environmental Compliance Officer will coordinate the response, first contacting the Public Works and Engineering Departments. In the event the Environmental Compliance Officer is not available, the Engineering Department will take the lead on coordinating the response. The ECO will keep records of and track the spill response and resolution.
Investigation	Upon receiving a report of a spill, the ECO will coordiate the City response, ensure the issue is addressed and arrange for a staff member to investigate the site within a business day. The Fire Department will be notified and take the lead on all spills 5 gallons or larger in size. The ECO will take the lead on E&SC, stormwater and CBPA violations. Public Works will take the lead on other issues impacting the flow, maintenance or condition of the City's drainage system. As spills often involve more than one department's area, Public Works, the ECO and Engineering will be copied on correspondance for all reports.
Fire Department	Will respond to hazardous waste spills and spills of 5 gallons and larger. The FD will notify and file reports with the state EOC, which in turn will notify DEQ if warranted. The FD will follow its SOPs to place booms or other absorbent devices about the spill and to dispose of clean up materials properly. The status of clean up will be communicated to the ECO and the Engineering Department.
Public Works Employees	Will respond to reports of spills, obstructions, and other discharges impacting the City's streets or drainage system. In the event the spill is potentially hazardous or is more than 5 gallons, PW will notify and coordinate with the FD. Public works employees will deploy their spill kit materials as needed to ensure the spill is contained and will dispose of all materials used in the appropriate container at the Public Works yard so that the items are properly disposed of. Public works will restore or will coordinate the repair and restoration of all damaged City infrastructure if work is performed by the party responsible for the spill. Public Works will track all expenses related to spill response. Public Works will communicate with and provide updates to the ECO and the Engineering Department.
City Inspector	The City Inspector or the designee of the City Inspector is a Public Works Employee and will take the lead in coordinating the Public Works response.
Engineering Department	The Engineering Department will assist by inspecting, notifying property owners or coordinating the response in the event the ECO is not available. The Department will consolidate spill information for inclusion in the annual MS4 permit report.

NFIRS-1 Basic

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	03	16	2021	Station 1 (PFDSta1)	PF-2021-0000380	0

B Location Type

Census tract: 3402.00

- [x] Street Address
- [ ] Intersection
- [ ] In Front Of
- [ ] Rear Of
- [ ] Adjacent To
- [ ] Directions
- [ ] US National Grid

Number	Prefix	Street or Highway	Street Type	Suffix
105		RENS	RD-Road	

Apt./Suite/Room	City	State	Zip Code
B	POQUOSON	VA	23662

Cross Street

C Incident Type

413-Oil or other combustible liquid spill

D Aid Given Or Received

- [ ] 1 Mutual Aid Received
- [ ] 2 Auto. Aid Received
- [ ] 3 Mutual Aid Given
- [ ] 4 Auto. Aid Given
- [x] 5 Other Aid Given
- [ ] None

Their FDID | Their State

Their Incident Number

E1 Dates and Times

Alarm	03	16	2021	14:20
Arrival	03	16	2021	14:26
Controlled				
Last Unit Cleared	03	16	2021	15:08

E2 Shifts and Alarms

Shift or Platoon	Alarms	District
B		2

E3 Special Studies

ID#	Value

F Actions Taken

44-Hazardous materials leak control & containment

Primary Action Taken

G1 Resources

- [x] Apparatus or Personnel Module is used.

	Apparatus	Personnel
Suppression	0	0
EMS	0	0
Other	2	4

- [ ] Resource counts include aid received resources.

G2 Estimated Dollar Losses and Values

Losses: Required for all fires if known. Optional for all non-fires. None

Property: $ [ ] None [x]

Contents: $ [ ] None [x]

Pre-Incident Values: Optional None

Property: $ [ ] None [x]

Contents: $ [ ] None [x]

Completed Modules

- [ ] 2 - Fire
- [ ] 3 - Structure Fire
- [ ] 4 - Civilian Fire Cas.
- [ ] 5 - Fire Service Cas.
- [ ] 6 - EMS
- [ ] 7 - HazMat
- [ ] 8 - Wildland Fire
- [ ] 9 - Apparatus
- [ ] 10 - Personnel
- [ ] 11 - Arson

H1 **Casualties** [x] None

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 **Detector**

Required for Confined Fires

- [ ] 1 - Detector Alerted Occupants
- [ ] 2 - Detector Did Not Alert Them
- [ ] 3 - Unknown

H3

Hazardous Materials Release

- [ ] 1 - Natural Gas
- [ ] 2 - Propane Gas
- [ ] 3 - Gasoline
- [ ] 4 - Kerosene
- [x] 5 - Diesel Fuel / Fuel Oil
- [ ] 6 - Household Solvents
- [ ] 7 - Motor Oil
- [ ] 8 - Paint
- [ ] 0 - Other
- [ ] None

I **Mixed Use Property**

- [x] Not Mixed
- [ ] 10 - Assembly Use
- [ ] 20 - Education Use
- [ ] 33 - Medical Use
- [ ] 40 - Residential Use
- [ ] 51 - Row Of Stores
- [ ] 53 - Enclosed Mall
- [ ] 58 - Business and Residential
- [ ] 59 - Office Use
- [ ] 60 - Industrial Use
- [ ] 63 - Military Use
- [ ] 65 - Farm Use
- [ ] 00 - Other Mixed Use

J **Property Use** [ ] None

Structures

- 131 [ ] Church, Place of Worship
- 161 [ ] Restaurant or Cafeteria
- 162 [ ] Bar/Tavern or Nightclub
- 213 [ ] Elementary School, Kindegarten
- 215 [ ] High School, Junior High
- 241 [ ] College, Adult Education
- 311 [ ] Nursing Home
- 331 [ ] Hospital
- 341 [ ] Clinic, Clinic-Type Infirmary
- 342 [ ] Doctor/Dentist Office
- 361 [ ] Prison or Jail, Not Juvenile
- 419 [ ] 1- or 2-Family Dwelling
- 429 [ ] MultiFamily Dwelling
- 439 [ ] Rooming/Boarding House
- 449 [ ] Commerical Hotel or Motel
- 459 [ ] Residential, Board and Care
- 464 [ ] Dormitory/Barracks
- 519 [ ] Food and Beverage Sales
- 539 [ ] Household Goods, Sales, Repairs
- 571 [ ] Gas or Service Station
- 579 [ ] Motor Vehicle/Boat Sales/Repairs
- 599 [ ] Business Office
- 615 [ ] Electric-Generating Plant
- 629 [ ] Laboratory/Science Laboratory
- 700 [ ] Manufacturing Plant
- 819 [ ] Livestock/Poultry Storage (Barn)
- 882 [ ] Non-Residential Parking Garage
- 891 [ ] Warehouse

Outside

- 124 [ ] Playground or Park
- 655 [ ] Crops or Orchard
- 669 [ ] Forest (Timberland)
- 807 [ ] Outdoor Storage Area
- 919 [ ] Dump or Sanitary Landfill
- 931 [ ] Open Land or Field
- 936 [ ] Vacant Lot
- 938 [ ] Graded/Cared for Plot of Land
- 946 [ ] Lake, River, Stream
- 951 [ ] Railroad Right-of-Way
- 960 [ ] Other Street
- 961 [ ] Highway/Divided Highway
- 962 [ ] Residential Street/Driveway
- 981 [ ] Construction Site
- 984 [ ] Industrial Plant Yard

Property Use:

940-Water area, other

Description

Look up and enter a Property Use code and description only if you have NOT checked a Property Use box.

K2

Owner

Local Option	Person/Entity Type	Business Name (if applicable)	Phone Number
	Owner	Owner of boat	7573427069

Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix
MR-Mr.	Greg		Casey	

Number	Prefix	Street or Highway	Street Type	Suffix
7		Whitehouse Cove	DR-Drive	

Post Office Box	Apt./Suite/Room	City
		City of Poquoson

State	Zip Code
VA	23662

L **Remarks:**

Btn-1, Engine 1 responded to a sheen of petroleum product on the water at Whitehouse Cove marina. Arrived to find a 40 foot vessel that was having the floor replaced and mechanical items fixed. It was apparent this was the source of the spill. Coast Guard, National response center, Virginia department of emergency management were all contacted. Poquoson Fire and rescue crew placed absorbent boom/sock around the vessel to contain the spill, which was determined to be hydraulic oil and diesel fuel that while working on the boat had inadvertently been spilled overboard. Boat owner was contacted and arrived. He was very cooperative and stated he was unaware of the spill. State Hazmat officer informed that since the spill did not require a state response or clean-up that the boom/sock could be pulled as long as there was no active leak. It could be dried and re-used. An email was sent with pictures to the coast guard pollution responder.

BC Cooper

M **Authorization**

617	Cooper, Clay	Battalion Chief/Intermediate	IC	03/17/2021
Officer In Charge ID	Signature	Position or Rank	Assignment	Date
617	Cooper, Clay	Battalion Chief/Intermediate	IC	03/17/2021
Member Making Report ID	Signature	Position or Rank	Assignment	Date

NFIRS-9 Apparatus or Resources

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	03	16	2021	Station 1 (PFDSta1)	PF-2021-0000380	0

B

Apparatus/Resource	Dates/Times			Sent	Number of People	Apparatus Use	Actions Taken
ID: PBAT1 Type: 92-Chief officer car	Dispatch:	03/16/2021	14:20	☑ Sent	1	☑ Suppression ☑ EMS ☑ Other	81-Incident command 44-Hazardous materials leak control & containment
	Arrival:	03/16/2021	14:34				
	Clear:	03/16/2021	15:08				
ID: PE1 Type: 11-Engine	Dispatch:	03/16/2021	14:20	☑ Sent	3	☑ Suppression ☑ EMS ☑ Other	44-Hazardous materials leak control & containment
	Arrival:	03/16/2021	14:26				
	Clear:	03/16/2021	15:08				

NFIRS-10 Personnel

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	03	16	2021	Station 1 (PFDSta1)	PF-2021-0000380	0

B

Apparatus/Resource	Dates/Times		Sent	Number of People	Apparatus Use	Actions Taken
ID: PBAT1 Type: 92-Chief officer car	Dispatch: 03/16/2021 Arrival: 03/16/2021 Clear: 03/16/2021	14:20 14:34 15:08	☑ Sent	1	☐ Suppression ☐ EMS ☑ Other	81-Incident command 44-Hazardous materials leak control & containment

Personnel ID	Name	Rank	Role	Attend	Actions Taken
617	Cooper, Clay	Battalion Chief/Intermediate	5588002-Officer	☐	☐

Apparatus/Resource	Dates/Times		Sent	Number of People	Apparatus Use	Actions Taken
ID: PE1 Type: 11-Engine	Dispatch: 03/16/2021 Arrival: 03/16/2021 Clear: 03/16/2021	14:20 14:26 15:08	☑ Sent	3	☐ Suppression ☐ EMS ☑ Other	44-Hazardous materials leak control & containment

Personnel ID	Name	Rank	Role	Attend	Actions Taken
670	Archer, Corey	Master Firefighter/Paramedic	5588001-Driver	☐	☐
1131	Cooke, Harold	Firefighter/Paramedic	5588003-Crew 3	☐	☐
100001	Torrence, Cody	Firefighter/Intermediate	5588004-Crew 4	☐	☐

NFIRS-1S Supplemental

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	03	16	2021	Station 1 (PFDSta1)	PF-2021-0000380	0

Apparatus Narrative for PBAT1:

see summary

Apparatus Narrative for PE1:

see summary

NFIRS-1 Basic

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	08	26	2020	Station 1 (PFDSta1)	PF-2020-0001154	0

B Location Type

Census tract: 3401.00

- [x] Street Address
- [ ] Intersection
- [ ] In Front Of
- [ ] Rear Of
- [ ] Adjacent To
- [ ] Directions
- [ ] US National Grid

Number	Prefix	Street or Highway	Street Type	Suffix
180		MESSICK	RD-Road	

Apt./Suite/Room	City	State	Zip Code
	POQUOSON	VA	23662

Cross Street:

C Incident Type

322-Motor vehicle accident with injuries

D Aid Given Or Received

- [ ] 1 Mutual Aid Received
- [ ] 2 Auto. Aid Received
- [ ] 3 Mutual Aid Given
- [ ] 4 Auto. Aid Given
- [ ] 5 Other Aid Given
- [x] None

Their FDID:
Their State:
Their Incident Number:

E1 Dates and Times

Alarm	08	26	2020	07:35
Arrival	08	26	2020	07:40
Controlled				
Last Unit Cleared	08	26	2020	10:16

E2 Shifts and Alarms

Shift or Platoon	Alarms	District
A		1

E3 Special Studies

ID#	Value

F Actions Taken

Primary Action Taken: 31-Provide first aid & check for injuries

Additional Action Taken: 43-Hazardous materials spill control and confinement

G1 Resources

- [x] Apparatus or Personnel Module is used.

	Apparatus	Personnel
Suppression	1	2
EMS	1	2
Other	1	1

- [ ] Resource counts include aid received resources.

G2 Estimated Dollar Losses and Values

Losses: Required for all fires if known. Optional for all non-fires. None

Property: $ [ ] None [x]

Contents: $ [ ] None [x]

Pre-Incident Values: Optional None

Property: $ [ ] None [x]

Contents: $ [ ] None [x]

Completed Modules

- [ ] 2 - Fire
- [ ] 3 - Structure Fire
- [ ] 4 - Civilian Fire Cas.
- [ ] 5 - Fire Service Cas.
- [ ] 6 - EMS
- [ ] 7 - HazMat
- [ ] 8 - Wildland Fire
- [ ] 9 - Apparatus
- [ ] 10 - Personnel
- [ ] 11 - Arson

H1 **Casualties** [x] None

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 **Detector**

Required for Confined Fires

- [ ] 1 - Detector Alerted Occupants
- [ ] 2 - Detector Did Not Alert Them
- [ ] 3 - Unknown

H3

Hazardous Materials Release

- [ ] 1 - Natural Gas
- [ ] 2 - Propane Gas
- [ ] 3 - Gasoline
- [ ] 4 - Kerosene
- [x] 5 - Diesel Fuel / Fuel Oil
- [ ] 6 - Household Solvents
- [ ] 7 - Motor Oil
- [ ] 8 - Paint
- [ ] 0 - Other
- [ ] None

I **Mixed Use Property**

- [x] Not Mixed
- [ ] 10 - Assembly Use
- [ ] 20 - Education Use
- [ ] 33 - Medical Use
- [ ] 40 - Residential Use
- [ ] 51 - Row Of Stores
- [ ] 53 - Enclosed Mall
- [ ] 58 - Business and Residential
- [ ] 59 - Office Use
- [ ] 60 - Industrial Use
- [ ] 63 - Military Use
- [ ] 65 - Farm Use
- [ ] 00 - Other Mixed Use

J **Property Use** [ ] None

Structures

- 131 [ ] Church, Place of Worship
- 161 [ ] Restaurant or Cafeteria
- 162 [ ] Bar/Tavern or Nightclub
- 213 [ ] Elementary School, Kindegarten
- 215 [ ] High School, Junior High
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- 331 [ ] Hospital
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- 342 [ ] Doctor/Dentist Office
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- 946 [ ] Lake, River, Stream
- 951 [ ] Railroad Right-of-Way
- 960 [ ] Other Street
- 961 [ ] Highway/Divided Highway
- 962 [x] Residential Street/Driveway
- 981 [ ] Construction Site
- 984 [ ] Industrial Plant Yard

Property Use:

Description

Look up and enter a Property Use code and description only if you have NOT checked a Property Use box.

K1

Person/Entity Involved

Local Option	Person/Entity Type	Business Name (if applicable)	Phone Number
		Squirrely Jack tree service	

Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix

Number	Prefix	Street or Highway	Street Type	Suffix

Post Office Box	Apt./Suite/Room	City

State	Zip Code

K2

Owner

Local Option	Person/Entity Type	Business Name (if applicable)	Phone Number

Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix

Number	Prefix	Street or Highway	Street Type	Suffix

Post Office Box	Apt./Suite/Room	City

State	Zip Code

L **Remarks:**

E-1, Btn-1, M-1, YC Rescue 1, dispatched to listed address for overturned truck with possible victims inside. Arrive on scene to find all occupants out of vehicle. Btn-1 in command. Cancelled York County rescue truck. Medic crew assessed patients and obtained refusals. Truck was a tree truck with articulating boom on top. Driver forgot to lower boom after emptying chipper mulch from rear. Drove out of driveway and snagged the communications lines and flipped truck on its' side. Hydraulic fluid and some diesel leaked onto ground , but was contained with absorbent boom and a five gallon bucket to catch leaking fluid. Tow trucks arrived 2 hours later and winched the truck upright and towed away. hazards removed and roadway was reopened.

Lieutenant C.B. Cooper

M **Authorization**

Officer In Charge ID	Signature	Position or Rank	Assignment	Date
617	Cooper, Clay	Lieutenant/Intermediate	command	08/28/2020

Member Making Report ID	Signature	Position or Rank	Assignment	Date
617	Cooper, Clay	Lieutenant/Intermediate		08/28/2020

NFIRS-9 Apparatus or Resources

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	08	26	2020	Station 1 (PFDSta1)	PF-2020-0001154	0

B Apparatus/Resource	Dates/Times			Sent	Number of People	Apparatus Use	Actions Taken
ID: PBAT1 Type: 92-Chief officer car	Dispatch: Arrival: Clear:	08/26/2020 08/26/2020 08/26/2020	07:35 07:40 08:20	☑ Sent	1	☐ Suppression ☐ EMS ☑ Other	81-Incident command
ID: PE1 Type: 11-Engine	Dispatch: Arrival: Clear:	08/26/2020 08/26/2020 08/26/2020	07:35 07:42 10:16	☑ Sent	2	☑ Suppression ☐ EMS ☐ Other	44-Hazardous materials leak control & containment 74-Provide apparatus
ID: PM1 Type: 76-ALS unit	Dispatch: Arrival: Clear:	08/26/2020 08/26/2020 08/26/2020	07:35 07:40 07:54	☑ Sent	2	☐ Suppression ☑ EMS ☐ Other	31-Provide first aid & check for injuries

NFIRS-10 Personnel

A

FDID	State	Month	Day	Year	Station	Number	Exposure
73500	VA	08	26	2020	Station 1 (PFDSta1)	PF-2020-0001154	0

B Apparatus/Resource	Dates/Times	Sent	Number of People	Apparatus Use	Actions Taken
ID: PBAT1 Type: 92-Chief officer car	Dispatch: 08/26/2020 07:35 Arrival: 08/26/2020 07:40 Clear: 08/26/2020 08:20	☑ Sent	1	☐ Suppression ☐ EMS ☑ Other	81-Incident command

Personnel ID	Name	Rank	Role	Attend	Actions Taken
617	Cooper, Clay	Lieutenant/Intermediate		☐	☐

ID: PE1 Type: 11-Engine	Dispatch: 08/26/2020 07:35 Arrival: 08/26/2020 07:42 Clear: 08/26/2020 10:16	☑ Sent	2	☑ Suppression ☐ EMS ☐ Other	44-Hazardous materials leak control & containment 74-Provide apparatus

Personnel ID	Name	Rank	Role	Attend	Actions Taken
10000	Diggs, Thomas	Firefighter/Intermediate	5588002-Officer	☐	☐
376	Griffiths, Darryll	Firefighter/Paramedic	5588001-Driver	☐	☐

ID: PM1 Type: 76-ALS unit	Dispatch: 08/26/2020 07:35 Arrival: 08/26/2020 07:40 Clear: 08/26/2020 07:54	☑ Sent	2	☐ Suppression ☑ EMS ☐ Other	31-Provide first aid & check for injuries

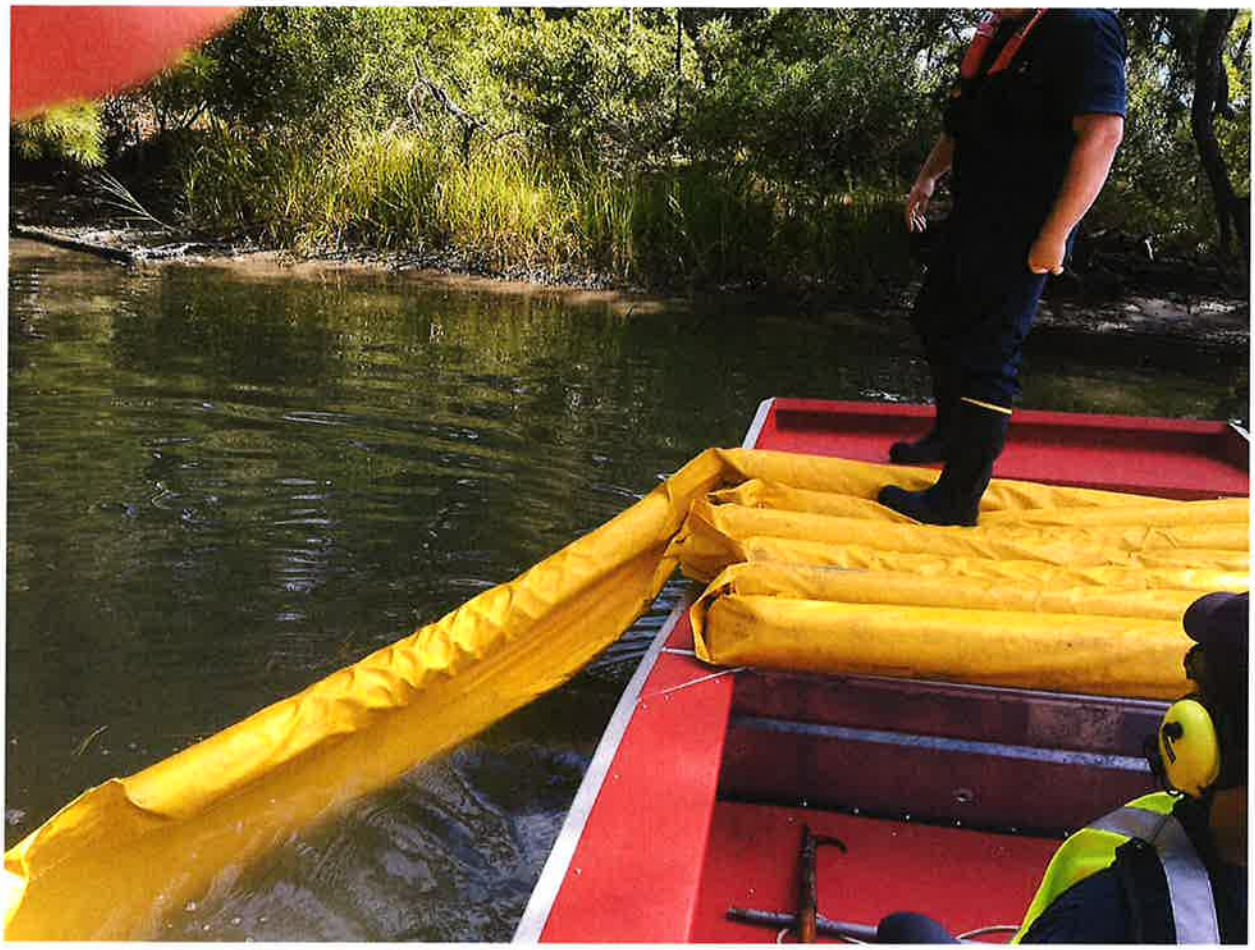
Personnel ID	Name	Rank	Role	Attend	Actions Taken
17	Fisher, Stuart	Firefighter/Intermediate		☐	☐
1089	O'Connor, Tavish	Firefighter/Intermediate		☐	☐

FIRE DEPARTMENT MARINE SPILL RESPONSE

Poquoson Fire Department Air Boat: Used in regional training and used to respond and contain marine spills throughout the region. Poquoson was the first and may still be the only fire department with an air boat. This provides access to marshy areas throughout the area for emergency responses and spill containment.

Boat Fire Response: Deploying boom from Fire Department boat to contain discharges

Regional Haz Mat Training: Partnering with VDEM and DEQ, Poquoson provided its Air Boat for regional marine spill training.



Illicit Discharge Response Summary Table

Source of Illicit Discharge	Data observed, reported, or both	Was Discharge Discovered by Staff through Dry Weather Screening (DWS), Reported by the Public (RP), or by Other Means (OM)?	Investigation Resolution	Follow Up Activities	Date Investigation Was Closed	Did Spill Occur Within or Outfall Into MS4?
Single truck accident where hydraulic fluid and some diesel oil leaked onto ground.	8/26/2020	RP. The Fire department responded to a report of a car accident.	The Fire Department responded to the call and the spill was contained with absorbent boom and a five gallon bucket to catch leaking fluid	Tow trucks arrived 2 hours later and winched the truck upright and towed away. Hazards removed and roadway was reopened.	8/28/2020	No discharge reached City roads, property or the MS4 system.
Single Car accident which resulted in leaked motor oil onto grass.	10/30/2020	RP. The Fire department responded to a report of a car accident.	The Fire Department responded to the call and placed pig rags over area where oil had leaked and turned scene over to PD.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	10/30/2020	Discharge did not reach the MS4 but occurred within the MS4 service area.
Single Car vs. deer accident which resulted in a radiator leak.	11/29/2020	RP. The Fire department responded to a report of a car accident.	The Fire Department responded to the call and put down small amount of oil dry.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	11/30/2020	Discharge did not reach the MS4 but occurred within the MS4 service area.
Sheen of petroleum product on the water at Whitehouse Cove marina.	3/16/2021	RP. Sheen of petroleum product was reported to the Fire Department.	Arrived to find a 40 foot vessel that was having the floor replaced and mechanical items fixed. It was apparent this was the source of the spill. Coast Guard, National response center, Virginia department of emergency management were all contacted. Poquoson Fire and rescue crew placed absorbent boom/sock around the vessel to contain the spill, which was determined to be hydraulic oil and diesel fuel that while working on the boat had inadvertently been spilled overboard. Boat owner was contacted and arrived. He was very cooperative and stated he was unaware of the spill. State Hazmat officer informed that since the spill did not require a state response or clean-up that the boom/sock could be pulled as long as there was no active leak. It could be dried and re-used.	An email was sent with pictures to the coast guard pollution responder.	3/17/2021	Spill occurred in state waters and the relevant authoritites were contacted.
Motor vehicle accident caused fluids to be leaked on to a public road.	4/18/2021	RP. The accident was reported to the police and fire departments. City staff observed leaking fluids.	Motor fluids leaked onto the roadway during a motor vehicle accident.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	4/18/2021	Discharge did not reach the MS4 but occurred within the MS4 service area.
Motor vehicle accident caused fluids to be leaked on to a public road.	4/22/2021	RP. The accident was reported to the police and fire departments. City staff observed leaking fluids.	Motor fluids leaked onto the roadway during a motor vehicle accident.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	4/22/2021	Discharge did not reach the MS4 but occurred within the MS4 service area.
Motor vehicle accident caused fluids to be leaked on to a public road.	4/30/2021	RP. The accident was reported to the police and fire departments. City staff observed leaking fluids.	Motor fluids leaked onto the roadway during a motor vehicle accident.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	4/30/2021	Discharge did not reach the MS4 but occurred within the MS4 service area.
Motor vehicle accident caused oil and antifreeze to be leaked on to a public road.	5/20/2021	RP. The accident was reported to the police and fire departments. City staff observed leaking fluids.	Motor fluids leaked onto the roadway during a motor vehicle accident.	The Fire Department applied absorbents to the spill and properly disposed of the materials.	5/21/2021	Discharge did not reach the MS4 but occurred within the MS4 service area.

City of Poquoson Sanitary Sewer System Overflow prevention, Training and Enhancements (FY-21)

SSO reports – None this year

Work that prevents overflows:

Back-up Generators- Quarterly maintenance and general repairs allowing the Station to have back-up power during outages on 26 pump stations throughout the City.

Sewer Line Flushing – cleans the line helping the flow, we have a Quarterly list (15 places in the City) and an Annual list (22 places in the City).

System Upgrades – safety, increase capacity, system reliability, reduction of maintenance, reduction in run times, replacement of older equipment

Sewer Main line & Sewer Lateral repairs

Sewer Line Flushing at:	Quarterly flush list (Jul 20) Quarterly flush list (Oct 20) Quarterly flush list (Jan 21) Annual flush list (Oct 20)
Transducer upgrade from Bubbler system:	Pump Station 3 (Jul 20)
SCADA Antenna Upgrade:	Pump Station 5 (Aug 20) Pump Station 10 (Aug 20) Pump Station 10B (Sep 20)
Control Panel work at:	Pump Station 12, replaced starter motors on both pumps (Jul 20) Pump Station 12, replaced control panel wiring (Aug 20) 224 N. Lawson, new control box installed (May 21) 52 N. Lawson, new control box installed (May 21)
New Pumps at:	Pump Station 2A, Pump #2 (Feb 20) Pump Station 17, Pump #1 (Aug 20) Pump Station 17, Pump #1 (Dec 20) Pump Station 16, Pump #2 (Apr 21) Pump Station 2C2, Pump #2 (Jun 21)
Major repairs at:	Pump Station 2D, Replaced check valve on pump #2 (Aug 20) Pump Station 12, Installed new drive motors (Aug 20) Pump Station 12, Installed new Impeller and wear plates (Sep 20) Pump Station 10, Installed new drive motor pump #2 (Oct 20) Pump Station 7, Installed new drive motor pump #1 (Nov 20) Pump Station 7, Installed new drive motor pump #2 (Dec 20) Pump Station 13, Installed new drive motor pump #2 (Dec 20) Pump Station 13, Installed new drive motor pump #1 (Dec 20) Pump Station 2G, New rotating assembly pump #1 (Jan 21) Pump Station 3, New rotating assembly pump #3 (Jan 21) Pump Station 5, New impeller and wear plate pump #1 (Jan 21) Pump Station 10B, New wear plates on both pumps (Jan 21) Pump Station 13, New impeller and wear plate pump #1 (Feb 21) Pump Station 13, New check valve install on pump #1 (Feb 21)

Pump Station 13, New rotating assembly pump #1 (Feb 21)
Pump Station 13, New wear plate pump #2 (Feb 21)
Pump Station 13, New rotating assembly pump #2 (Feb 21)
Pump Station 6, Rebuild of Pump #2 and re-installed (Apr 21)
Pump Station 11, New rotating assembly pump #2 (May 21)
Pump Station 2G, New check valve install on pump #2 (Jun 21)

Replacement of Grinder pumps:

224 N. Lawson (Aug 20)
28 N. Lawson (Sep 19)
147 N. Lawson Pump #1 (22 Oct 19)
113 N. Lawson (Aug 20)
98 N. Lawson Pump #1 (Oct 20)
218 N. Lawson (Jun 21)

Pump Station Wet Well cleaning

Pump Station 1 (Oct 20)
Pump Station 1A (Oct 20)
Pump Station 2 (Oct 20)
Pump Station 2G (Oct 20)
Pump Station 4 (Oct 20)
Pump Station 1 (Feb 21)
Pump Station 2C2 (Apr 21)
Pump Station 2D (Apr 21)
Pump Station 2H (Apr 21)
Pump Station 13 (Apr 21)
Pump Station 6 (May 21)

Cleanout cap repairs or relocation of cap so they are not hit or damaged, adding Cleanout boxes

13 Carriage Hill (Jul 20)
11 Hopkins St (Sep 20)
251 Cedar Rd (Sep 20)
2 Woodhaven (Sep 20)
8 Glenmoore Rd (Sep 20)
1358 Poquoson Ave (Oct 20)
24 Magnolia (Oct 20)
21 Jean Mar Rd (Oct 20)
60 Bunting Rd (Oct 20)
7 Gay Lynn (Oct 20)
270 Little Florida (Oct 20)
25 Canal Rd (Oct 20)
23 Jean Mar Rd (Oct 20)
14 Hunts Neck (Oct 20)
16 Laydon way (Nov 20)
26 Odd Rd (Dec 20)
172 Odd Rd (Dec 20)
174 Odd Rd (Dec 20)
17 Lessies Dr (Dec 20)

479 Hunts Neck (Dec 20)
29 Terrace (Jan 21)
1027 Poquoson Ave (Jan 21)
22 Westover (Jan 21)
121 Ridge Rd (Jan 21)
26 Ferguson St (Jan 21)
6 Ridge Rd (Feb 21)
Emmaus Church (Feb 21)
141 Cedar Rd (Feb 21)
2 Glenmoore (Feb 21)
105 Little Florida (Feb 21)
1 Roceambeau (Feb 21)
15 Rens Rd (Feb 21)
94 Messick Rd (Mar 21)
71 Lodge Rd (Mar 21)
1 Heron Ct (Mar 21)
83 Church St (Apr 21)
17 Evan Grove (Apr 21)
107 Cedar Rd (May 21)
109 Cedar Rd (May 21)
18 Langley St (May 21)
175 Ridge Rd (May 21)
864 Poquoson Ave (May 21)
20 Hudgins Rd (May 21)
3 Heather Ct (May 21)
74 Forrest Rd (May 21)
250 Cedar Rd (Jun 21)
211 Little Florida (Jun 21)
5 Evan Cir (Jun 21)
185 Cedar Rd (Jun 21)

Lateral Install at:

Church St & Jump Point Ln (Mar 21)
Poquoson Ave & Tignor Ln (Apr 21)

Lateral Repair at:

1 Heron Ct, repair lateral (Jul 20)
313 Odd Rd, repair lateral (Jul 20)
100 N. Lawson, repair damage from vehicle (Aug 20)
226 Ridge Rd (Aug 20)
120 Odd Rd (Oct 20)
313 Odd Rd, Repair lateral (Apr 21)
104 Sir Ralph (Jun 21)
9 Berwick (Jun 21)
47 Rens Rd (Jun 21)

Main Line Repairs at:

791 Poquoson Ave, new tap (Nov 20)
Pump Station 17, point repair (Mar 21)
Pump Station 17, point repair second section (Mar 21)