STATE OF WEST VIRGINIA **DEPARTMENT OF
ENVIRONMENTAL PROTECTION DIVISION OF
WATER AND WASTE MANAGEMENT**

MS4 ANNUAL REPORT FORM

For Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

Please see instructions before completing this form. If you need more space than allowed, please attach a document.

Abbreviations

BMP = Best Management Practice
IDDE = Illicit Discharge Detection and Elimination
MCM = Minimum Control Measure

SWMP = Storm Water Management Program
TMDL = Total Maximum Daily Load
WV = West Virginia

I. Small MS4 Operator Information			
1. Annual report reporting period: April 12, 2019 to April 12, 2020			
2. Name of MS4: WV Parkways Authority		3. Registration number: WV0116025	
4. Primary contact: David White		5. Title: Highway Program Manager	
6. Mailing address: P.O. Box 1469			
7. City: Charleston	8. Zip code: 25325	9. County: Kanawha	
10. Telephone number: 304-256-6680			
11. Email: dwhite@hntb.com dwhite@wvturnpike.com			

II. Impaired Waters Information				
12. Does the MS4 discharge into impaired water bodies?	Yes	✔	No	
13. Please provide a description of specific BMPs that were implemented to reduce pollutants of concern in impaired receiving waters and waters in which a TMDL has been developed. (WV MS4 2014 General Permit-p. 46, #12) See attached document.				
14. Has a TMDL been developed since your plan was approved?	Yes	✔	No	

III. Fiscal Reporting	
15. Include or attach a fiscal analysis of capital and operating expenditures to implement the MCMs. The fiscal analysis shall include only those expenditures by the locality seeking coverage under the WV MS4 2014 General Permit and not those for MCMs implemented by other entities. (WV MS4 2014 General Permit, p. 46, #13)	
16. Please provide total capital expenditures for this reporting period.	$ 0
17. Please provide total operating expenditures for this reporting period.	$ 16,500

IV. Coordination Efforts and Organization

18. Please provide a description of the coordination efforts with other MS4s, county governments, transportation agencies, colleges, universities, correctional facilities, prisons, and any other entities regarding the implementation of the MCMs, including the status of any memoranda of understanding or other agreements executed between the permittee(s) and any other entity. (WV MS4 2014 General Permit, p. 46, #9)

Coordination consists of working with groups such as the Piney Creek Watershed and Paint Creek watershed groups regarding cleanup efforts.

19. Please provide name and contact information for individual with overall program management and implementation responsibility, and if different, name and contact information of individuals responsible for each minimum control measure. Please attach a table of organization.

David White
WV Parkways Authority
374 George Street
Beckley, WV 25801
304-256-6680
dwhite@wvturnpike.com

V. Changes to SWMP

	Yes	No
20. Did any of your activities, BMPs, or measurable goals as outlined in your SWMP change during the reporting period?	☐	✔
21. Do you anticipate any planned activities, BMPs, or goals as outlined in your SWMP to change in the upcoming reporting period?	☐	✔

22. If anything has changed, please indicate the MCM and performance measure and provide a brief description below, and attach detailed documentation of the changes, schedule of implementation, measurable goals, and overall effect on your program. (WV MS4 2014 General Permit, p. 24, #6 and #7)

N/A

	Yes	No
23. Is additional documentation attached?		✔

VI. MCM 1: Public Education and Outreach (WV MS4 2014 General Permit,)

24. Did you complete all the proposed activities and performance measures for this MCM for this reporting period?	Yes ✔	No ☐

25. Contact: David White	26. Phone: 304-256-6680

Performance Measure 1a: Program implementation

27. Were the proposed activities for developing a public education and outreach program implemented?	Yes ✔	Partially ☐	No ☐

28. List and briefly describe each of the public education and outreach program development activities undertaken during this reporting period. (WV MS4 2014 General Permit, p. 46, #1)

See attached document.

29. Did you achieve all the goals that you identified in your SWMP related to developing the education and outreach program for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No ☐

30. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 2014 General Permit, p. 46, #4)

N/A

Performance Measure 1b: Evaluation of effectiveness of public education and outreach efforts

31. Did you evaluate the effectiveness of the public education and outreach program?	Yes ☐	Partially ✔	No ☐

32. How did you evaluate the effectiveness of the public education and outreach program in this reporting period? (WV MS4 2014 General Permit, p. 46, #2)

The effectiveness of the program is tracked via the number of visits to the website and calls to the 911 phone line.

33. Regardless of your answer to the previous question, have you identified new or better ways to evaluate the public's understanding of your program and water quality issues?	Yes ☐	No ✔

34. If yes, please describe any changes you would like to consider to improve your evaluation of effectiveness of outreach.

N/A

Performance Measure 1c: Documentation and tracking of public education and outreach efforts			
35. Did you track and keep records of your outreach activities?	Yes	Partially	No
36. For print, radio, and television media activities, did you keep records that include i) a description of the content or theme; ii) the date of completion of the materials; iii) the date of release or distribution, and iv) the duration of air time or publication? (WV MS4 2014 General Permit, p. 46, #1)	Yes ✔	No ☐	NA ☐
37. Are your records available upon request?	Yes ✔	No ☐	NA ☐
38. For pamphlets, brochures, and other finite printed products, did you keep records that include: i) a description of the content or theme; ii) the date of completion of the materials; iii) the date of release or distribution; iv) the location or placement of the materials; and v) date of follow up visits to replenish or transition to the next outreach product? (WV MS4 2014 General Permit, p. 46, #1)	Yes ✔	No ☐	NA ☐
39. Please describe any additional or alternative documentation and tracking of public education and outreach activities you are implementing. N/A			

VII. MCM 2: Public Involvement and Participation (WV MS4 2014 General Permit)

40. Did you complete all the proposed activities and performance measures for this MCM for this reporting period?	Yes ✔	No ☐

41. Contact: David White	42. Phone: 304-256-6680

Performance Measure 2a: Opportunities for ongoing public involvement and participation in the SWMP

43. Did you create, or are you in the process of creating, ongoing opportunities for the public to participate in the development, implementation, and updating of your SWMP?	Yes ✔	No ☐
44. Did you achieve all the goals that you identified in your SWMP related to creating and maintaining ongoing opportunities for public involvement and participation for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ☐	No ✔

45. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 2014 General Permit, p. 46, #4)

Participation in the Annual Piney Creek Watershed celebration was intended for purposes of educating the public and disseminating information. This event did not occur. WVPA will track the status of this event and continue involvement if, and when, it occurs in the future.

46. List and briefly describe each of the activities undertaken during the reporting period to create ongoing opportunities for the public to participate in your SWMP. (WV MS4 2014 General Permit, p. 46, #1)

1. Information concerning the Turnpike SWMP was displayed on the WVPA website for public review and comment.

2. WVPA provided pamphlets at rest areas informing the public about the WVPA website and the contact information for the SWMP point of contact.

47. Describe how you evaluated the effectiveness of your public participation efforts (citizen attendance at public hearings, requests for information on your SWMP, hotline activity, etc.).
(WV MS4 2014 General Permit, p. 46, #2)

The effectiveness is determined by the number of participants in the stormwater activities and by the volume of calls and emails to the WVPA point of contact for the SWMP resulting from review of the documents made available on the WVPA website.

48. Describe the steps taken to ensure that public participation opportunities are ongoing and, if necessary, additional program maintenance activities in future reporting periods to ensure continued participation opportunities. (WV MS4 2014 General Permit, p. 46, #4)

WVPA personnel will continue to maintain and update the SWMP documents on the website as well as continuing to identify public events, such as the Piney Creek Watershed Celebration, where SWMP information may be discussed with the the public.

Performance Measure 2b: Communications with community, watershed, and environmental organizations					
49. Did you establish a program for routine communications with community based watershed groups or other organizations?	Yes	✔	Partially		No

50. Describe the steps taken to ensure that your programs for routine communications with community-based watershed groups or other organizations are ongoing, or any additional program activities that you believe may be required to ensure continued communications. (WV MS4 2014 General Permit, p. 46, #4)

Information concerning the Turnpike SWMP was displayed on the WVPA website for public review and comment. Additionally, WVPA provided pamphlets at rest areas informing the public about the WVPA website and the contact information for the SWMP point of contact.

51. Did you achieve all the goals that you identified in your SWMP related to creating and maintaining ongoing communications with community based watershed groups or other organizations for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes	✔	Partially		No

52. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above. (WV MS4 2014 General Permit, p. 46, #4)

   N/A

Performance Measure 2c: Public availability of SWMP and annual report				
53. Did you make your SWMP and annual report available to the public?	Yes	✔	No	

54. If yes, please indicate the web address, or if a physical location, please indicate where it is and the process, if any, required for the public to access it.

 https://transportation.wv.gov/Turnpike/Business/stormwater_mgmt/Pages/Stormwater-Pollution-Prevention-Plans.aspx

VIII. MCM 3: Illicit Discharge Detection and Elimination (WV MS4 2014 General Permit)

55. Did you complete all the proposed activities and performance measures for this MCM for this reporting period?	Yes ☐	No ☐

56. Contact: David White	57. Phone: 304-256-6680

Performance Measure 3a: MS4 map

58. Were your proposed activities for creating and annually updating your MS4 map for the reporting period implemented?	Yes ✔	Partially ☐	No ☐

59. List and briefly describe the activities undertaken to either develop or update your MS4 map.
   (WV MS4 2014 General Permit, p. 46, #1)

WVPA currently maintains an MS4 map showing all storm sewer outfalls, receiving waters, structural MPs, the location of all stormwater conveyances within the watershed, known connections to municipal separate storm sewer, etc. This map is updated to reflect any changes due to construction activities or ownership changes.

Performance Measure 3b: Illicit Discharge Detection and Elimination (IDDE) ordinance development		
60. Has your municipality adopted an IDDE ordinance in accordance with the requirements of the WV MS4 2014 General Permit (Part II Section C.7.c.10 &11)?	Yes ☐	No ✔

61. If not, please describe the activities or progress made in adopting or updating an existing ordinance and provide an estimated date for adoption. (WV MS4 2014 General Permit, p. 46, #1)

WVPA does not have authorization to create laws or ordinances.

Performance Measures 3c and 3e: IDDE program implementation and assessment, and program tracking		
62. Is your IDDE program fully implemented, including visual inspections based on a system of prioritizing outfalls and procedures for characterizing discharges?	Yes ✔	No ☐

63. If no, please describe obstacles, if any, to implementation, and an estimate of when your program will be fully implemented.

N/A

64. Were all your measurable goals met for implementing and evaluating an IDDE program during this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No ☐
65. How many field assessments were conducted during the reporting period?		Two annual assessments
66. How many illicit discharges were identified during the reporting period?		None

67. How would you characterize the type of illicit discharges found (sewer cross connections, spills, illegal dumping, unaware residents, etc.)?

Visual confirmation of illicit discharges by WVPA personnel identify the type of illicit discharge and report the finding up through the reporting process to notify WVDEP of findings.

68. How would you characterize the type of pollutants discovered in illicit discharges (oil and grease, fecal coliform, chlorine, paints, etc.)? Name the top five pollutants discovered or uncovered by your IDDE program.

Visual indicators, odor and laboratory testing is used to assist in characterizing illicit discharges. Where visual indicators such as floatables, soap suds or discoloration are present, WVPA treats as an illicit discharge and follows WVPA's procedure for tracing the discharge to its source.

69. How many corrective actions were taken to remove illicit discharges?	None required
70. How many enforcement actions were initiated to eliminate illicit discharges into the storm sewer system?	None required

71. Have you attached additional documentation to better identify the nature and extent of the program activities and accomplishments?	Yes ☐	No ✔

Performance Measure 3d: Public education on hazards of illegal discharges and improper disposal of waste

72. Did you conduct any activities for educating the public on hazards of illegal discharges for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	Partially ☐	No ☐

73. List and briefly describe each of the education and outreach activities undertaken during this reporting period.
(WV MS4 2014 General Permit, p. 46, #1)

General and emergency responses are filtered to WVPA from the state emergency response system. The state emergency response system has a website and the information is generally broadcasted on news stations.

Pamphlets and posters are made available for the public at the travel plazas.

There are signs posted at the travel plazas to discourage improper disposal at the travel plazas.

74. Were any of these activities included in the public education and outreach efforts described in MCM 1?	Yes ☐	No ✔

75. How did you evaluate the effectiveness of the activities described in the list above?
(WV MS4 2014 General Permit, p. 46, #2)

Tracking of number of pamphlets and posters made available at travel plazas, count of number of occurrences broadcast on local media outreaches.

76. Did you achieve all the goals that you identified in your SWMP related to educating the public on hazards of illegal discharges for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No ☐

77. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 2014 General Permit, p. 46, #4)

N/A

Performance Measure 3f: Training for municipal staff on identification, reporting, and elimination of illicit discharges						
78. Have you developed a program to train municipal employees on illicit discharges?	Yes	✔	Partially		No	
79. Did you conduct any municipal employee training during this reporting period?			Yes	✔	No	

80. List and briefly describe the training activities conducted during the reporting period.
   (WV MS4 2014 General Permit, p. 46, #1)

The WVPA staff is trained annually on pollution prevention. The maintenance crews are trained on identification of illicit discharges and the procedure of reporting the issue. This training typically occurs in the early fall of each year in conjunction with other annual training sessions, though the schedule may be adjusted as needed based on need.

81. How did you evaluate the effectiveness of the training activities? (WV MS4 2014 General Permit, p. 46, #2)

Tracking of training completion to ensure all appropriate maintenance crew personnel have been appropriately trained. Make-up training (on-on-one) may be provided as needed to satisfy training needs.

82. How many municipal employees were trained to identify and report illicit discharges?
   (WV MS4 2014 General Permit, p. 46, #2)

WVPA has a written IDDE Policy that requires all maintenance personnel to be trained annually on policy and procedures.

83. Did you achieve all the goals that you identified in your SWMP related to training municipal employees on IDDE procedures for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No

84. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
   (WV MS4 2014 General Permit, p. 46 #4)

   N/A

IX. MCM 4: Construction Site Runoff Control (WV MS4 2014 General Permit , p. 19-22)

85. Did you complete all proposed activities and performance measures for this MCM for this reporting period?	Yes ✔	No ☐

86. Contact: David White	87. Phone: 304-256-6680

Performance Measures 4a and 4b: Develop and implement an ordinance to address stormwater runoff from construction sites one acre or greater

88. Has your municipality adopted a construction site runoff control ordinance in accordance with the requirements of the WV MS4 2014 General Permit (Part II Section C.7.d.2 and 4)	Yes ☐	Partially ☐	No ✔
89. If a program ordinance has not been adopted, have the proposed activities for developing and implementing an ordinance to address stormwater runoff from construction sites been implemented?	Yes ✔	Partially ☐	No ☐

90. Please indicate the anticipated ordinance adoption schedule. (WV MS4 2014 General Permit, p. 46, 4.a)1)

WVPA does not have the authority to establish laws or ordinances. Processes and requirements are in place to address construction activity through contracts, but no ordinance is in place.

91. Has your construction site ordinance been reviewed and/or updated to include any new criteria during the reporting period?	Yes ✔	Partially ☐	No ☐
92. Is your construction site program being fully implemented to include provisions for: i) plan review, ii) routine site inspections, iii) enforcement, and iv) record keeping and reporting?	Yes ✔	Partially ☐	No ☐

93. Please indicate the number of plan approvals during the reporting period.	12
94. Please indicate the number of construction site inspections during the reporting period.	Weekly per project
95. Please indicate the number of enforcement actions during the reporting period (can attach document).	None required

96. Are enforcement records maintained and available upon request?	Yes ✔	Partially ☐	No ☐
97. Is there adequate funding to fulfill the program implementation requirements required by the WV MS4 2014 General Permit?	Yes ✔	Partially ☐	No ☐

98. Briefly list and describe any activities outlined in your SWMP completed during the past permit year related to construction site operator and/or permittee site inspector training. (WV MS4 2014 General Permit, p. 46, 4.a)1)

   All construction inspection staff members are trained in the principles of the West Virginia Division of Highways Erosion and Sediment Control Manual.

99. Did you achieve all the goals that you identified in your SWMP related to developing or implementation and assessment of a construction site runoff control program for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No ☐

100. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 2014 General Permit, p. 46, #4)

   N/A

X. MCM 5: Controlling Runoff from New Development and Redevelopment (WV MS4 2014 General Permit, p. 22-33)

101. Did you complete all proposed activities and performance measures for this MCM for this reporting period?	Yes ✔	No ☐

102. Contact: David White	103. Phone: 304-256-6680

Performance Measure 5a: Develop, implement, and enforce a program to protect water resources by addressing stormwater discharges from regulated new and redevelopment projects

104. Has your municipality adopted a stormwater management ordinance in accordance with WV MS4 2014 General Permit (Part II Section C.7.e.8, 11(a))	Yes ☐	Partially ☐	No ✔

105. If your ordinance has not been adopted, please describe the progress made towards final ordinance adoption during this reporting period, and expected date of final adoption. (WV MS4 2014 General Permit, p. 46, 4.a)1)

WVPA does not have authority it establish laws or ordinances. WVPA does enforce policies per WVDOH site design standards.

106. Does your (proposed) ordinance include language incorporating the development incentives described in the WV MS4 2014 General Permit (Part II Section C.7.e.13)?	Yes ✔	No ☐

107. Does your (proposed) ordinance include language incorporating the off-site mitigation or fee-in lieu alternatives to on-site BMP implementation as described in the WV MS4 2014 General Permit (Part II Section C.7.e.16)	Yes ✔	No ☐

108. Have you developed a process for reviewing and updating your ordinance and program implementation to address the adequacy of provisions for: i) requiring runoff volume reduction on new and redevelopment sites, ii) plan review, iii) BMP construction and maintenance inspections, iv) enforcement, v) inventory and tracking, and vi) record keeping and reporting?	Yes ✔	No ☐

109. How many projects were reviewed during the reporting period?	One (1)

110. What types of projects were reviewed (residential, commercial, industrial, etc.)? (WV MS4 2014 General Permit, p. 32, (u)(ii))

The only new development or redevelopment that takes place is pavement renovation/replacement projects. WVPA only maintains the existing impervious area. Therefore, only one commercial project took place during the review period and was reviewed.

111. Provide a summary of the number and types of stormwater BMPs approved in new and redevelopment projects during the reporting period. Please list the BMPs according to the BMP specification number from the WV Stormwater Management Manual (2012). (WV MS4 2014 General Permit, p. 32, (u)(iii)

The new Customer Service facility in Beckley was constructed and had only minor impacted area (50' x 75' disturbed). he following BMP was included:

- 4.2.2 Impervious Area Disconnection - Silt Fence

112. Provide a summary of the number and type of projects that qualified for each of the development incentives described in the WV MS4 2014 General Permit (Part II Section C.7.e.16.(u)(iii)) during the reporting period. Please indicate if you have attached additional documentation.

N/A

113. Provide a summary of the number of projects that qualified for any offsite mitigation or payment in lieu options described in the WV MS4 2014 General Permit (Part II, Section C.7.e.16(u)(iii)) during the reporting period. Please indicate if you attach additional documentation.

N/A

114. How many maintenance agreements were approved during the reporting period? (WV MS4 2014 General Permit, p. 32, (u)(iv))	0			
115. Were any maintenance agreements recorded at the county courthouse?	Yes		No	✔

116. Provide a summary of the number and type of stormwater BMP inspections conducted by MS4 personnel or contracted agents (construction as-built, ongoing operation and maintenance audits, complaint driven, etc.). Include (or attach) a summary of: i) the type and number of BMPs requiring maintenance or repair, ii) the number brought into compliance, and iii) the number of enforcement actions taken. (WV MS4 2014 General Permit, p. 32, (u)(v))

   WVPA inspected approximately 80% of the stormwater system within urbanized areas during this reporting period. All WVPA storm drains and catchment structures are inspected a minimum of once every three (3) years.

117. Did you achieve all the goals that you identified in your SWMP related to developing and/or implementing and assessing a stormwater management program for this reporting period? (WV MS4 2014 General Permit, p. 46, #3)	Yes ✔	No ☐

118. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above. (WV MS4 2014 General Permit, p. 46, #4)

N/A

Performance Measure 5b: Long-term watershed protection elements						
119. Does a local ordinance or equivalent document incorporate the watershed protection elements described in WV MS4 2014 General Permit (Part II Section C.7.e.8))			Yes ✔	Partially ☐		No ☐
120. If yes, please describe how the permittee's legal authority addresses the following watershed protection elements: (WV MS4 2014 General Permit, p. 32,(u)(i))						
121. Minimize impervious cover.	Existing roadway and parking lot areas are being maintained. Any reductions would be contract specific.					
122. Preserve, protect, create, and restore ecologically sensitive areas.	Any effort would be handled via site specific contract rather than general ordinance establishment.					
123. Implement practices that prevent or reduce thermal impacts to streams.	Any effort would be handled via site specific contract rather than general ordinance establishment.					
124. Seek to avoid or prevent hydromodification of water bodies caused by development.	Any effort would be handled via site specific contract rather than general ordinance establishment.					
125. Minimize impacts to existing vegetation (especially trees).	Any effort would be handled via site specific contract rather than general ordinance establishment.					
126. Minimize impacts to native undisturbed soils.	Any effort would be handled via site specific contract rather than general ordinance establishment.					
127. If the watershed protection elements have not yet been incorporated into a planning document or ordinance, please describe the actions to be taken to incorporate these elements. (WV MS4 2014 General Permit, p. 23, # 10) N/A						

Performance Measure 5c: Street and parking design assessments			
128. Were the proposed activities for assessing the current street design guidelines and parking requirements implemented (WV MS4 2014 General Permit, page 33 (v)?		Yes ✔	No ☐
129. If this is your third-year report, please attach your report assessing the current street and parking design requirements, and recommendations and proposed schedules for incorporating policies and standards to maximize vegetation and minimize impervious cover where possible. (WV MS4 2014 General Permit, p. 46, #8)			

Due to the nature of projects encountered by WVPA (maintenance and rehabilitation, there is currently no plan in place to remove any existing pavement and/or plant vegetation.

XI. MCM 6: Pollution Prevention & Good Housekeeping for Municipal Operations (WV MS4 2014 General Permit, p. 33-38)

130. Did you complete all the required performance measures for this MCM for this reporting period?	Yes ✔	No ☐

131. Contact: David White	132. Phone: 304-256-6680

Performance Measures 6a and 6b: Develop and implement an operation and maintenance program for all municipal facilities that includes prevents or reduces the discharge of polluted runoff

133. Were the proposed activities for developing a pollution prevention and good housekeeping program for municipal operations implemented?	Yes ✔	Partially ☐	No ☐

134. List and briefly describe the activities outlined in your SWMP for the development of a pollution prevention and good housekeeping program for municipal operations undertaken during this reporting period.
- Annual trash pickup from MM9 to MM95 along the Turnpike.
- Daily trash collecting at Travel Plazas and Rest Areas.
- WVPA conducted pollution prevention training with all maintenance employees in October 2019. This training included pollution prevention measures, proper material and equipment storage and proper methods for spillage clean up.
- WVPA swept the parking lots of all facilities.
- WVPA swept mainline travel lanes from MP 60 to MP95, both Northbound and Southbound.
- WVPA scrubbed the lanes of the three (3) mainline toll plazas.
- WVPA cleaned storm drains and catch basins on an as-needed basis during the reporting period.

135. Do you have a pollution prevention plan for each of your municipal facilities as required by the WV MS4 2014 General Permit (Part II Section C.7.f)1)?	Yes ✔	No ☐

136. Do you have an inspection schedule for conducting inspections at your municipal facilities as required by the WV MS4 2014 General Permit (Part II Section C.7.f)5)?	Yes ✔	No ☐

137. Are you tracking and maintaining records of inspection and maintenance activities for each municipal facility as required by the WV MS4 2014 General Permit (Part II Section C.7.f)6))?	Yes ✔	No ☐

138. If you answered no to any of the previous three questions, please indicate your proposed schedule for implementing the requirements of the WV MS4 2014 General Permit (page 46, 4.a)1).

N/A

139. How many inspections were conducted at each municipal facility during the reporting period?	Varies per site - max annually

140. List the top three problems that you have found while conducting inspections at municipal facilities.

1. Trash and litter debris on facility and roadway properties
2. Washouts after heavy storm events
3. General housekeeping - storage of equipment and materials

141. Were these problems corrected? (WV MS4 2014 General Permit, p. 46, 4.a)1)?	Yes ✔	No ☐

142. Did you achieve all the goals that you identified in your SWMP related to developing a pollution prevention and good housekeeping program for municipal operations for this reporting period? (WV MS4 2014 General Permit, p. 46, 4.a)3)?	Yes ✔	No ☐

143. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 2014 General Permit, p. 46, 4.a)4)

N/A

Performance Measure 6c: Municipal employee good housekeeping training			
144. Were the proposed activities for developing a pollution prevention and good housekeeping training program for municipal employees implemented as described in the WV MS4 2014 General Permit (Part II, Section C.7.f.8)10)?	Yes ✔	Partially ☐	No ☐
145. Were the proposed activities for implementing a pollution prevention and good housekeeping training program for municipal employees implemented as described in the WV MS4 2014 General Permit (Part II, Section C.7.f.8)9)10)?	Yes ✔	Partially ☐	No ☐
146. Did municipal employees receive training in accordance with the guidelines described in the WV MS4 2014 General Permit (Part II, Section C.7.f)8)?	Yes ✔	Partially ☐	No ☐
147. How many employees received training during the reporting period? (WV MS4 2014 General Permit, p. 46, 4.a)1)?	All maintenance personnel		
148. Are you maintaining records of all municipal training activities (including training agendas, learning objectives, instructor qualifications, sign in sheets, etc.)?	Yes ✔	No ☐	

149. Explain how the effectiveness of the training activities was evaluated (number of employees trained and/or certified in specific good housekeeping skills, measurable improvements in cost or performance of facility maintenance activities, or as outlined in your SWMP). (WV MS4 2014 General Permit, p. 46, 4.a)4)

All maintenance employees have pollution prevention training annually. The training encompasses ways to prevent pollution, proper material storage, and spillage clean-up. The training also provides guidance on how to spot illicit discharges, and other sources of pollution within the Turnpike right-of-way. Training records are maintained via sign-in sheets.

150. Did you achieve all the goals that you identified in your SWMP related to training municipal employees on pollution prevention and good housekeeping for this reporting period? (WV MS4 2014 General Permit, p. 46, 4.a)3)?	Yes ✔	No ☐

151. If not, please describe the progress you did make towards achieving your goal(s), and any obstacles and possible solutions such as revised implementation schedules or revised measurable goals. If you are proposing any changes to your SWMP goals or schedule, please include them in Section V above.
(WV MS4 20149 General Permit, p. 46, 4.a)4)

N/A

II. Impaired Waters Information
13.

Of the impairments documented for the receiving streams within the WV Turnpike MS-4, it is determined that the pollutants possibly originating, at least partially, within the Turnpike right-of-way are the following:

- Fecal Coliform
- Iron (Fe)
- Bio-impairment (from stream siltation and hydromodification)

To reduce Fecal Coliform (FC), the WVPA has increased public awareness of the issue and causes of contamination. This is done through pamphlets, posters, and public forums. The illicit discharge detection measures will reduce the FC content caused by illegal individual sewer outfalls. Grass swales, catch basin inserts, and vegetative filter strips, along with regular parking lot cleaning also help eliminate FC pollutants caused by pet waste.

To further reduce FC, The Parkways Authority stocks pet waste pickup bags at the rest areas and travel plazas. Also, the hose connections at the travel plaza sewage package plants have been upgraded to reduce spillage during pump-out.

Earth disturbing activities that can increase Iron (Fe) pollutants are done by a Contractor. The Contractor is required to provide Sediment and Erosion Control Plans that are reviewed by an Engineer and enforced by an inspector.

To reduce future bio-impairment, strict erosion and sedimentation control standards will be followed and hydromodification will be avoided, if practical, for all new construction. Stormdrains will be inspected and cleaned periodically to reduce additional sediment flowing into receiving streams. The frequency of inspection depends on the latest assigned condition rating with the lowest rated (Rated 1) drains having annual inspections, the next highest rating (Rated 2) being inspected every two years, and the highest rated (Rated 3) drains undergoing inspection every three years. Also, existing trees will be protected and new trees added adjacent to streams to reduce erosion.

VI. MCM#1: Public Outreach and Education
28.

The WVPA strategy of the public education consists of handing out stormwater educational materials to the general public and the patrons traveling the Turnpike. The general public will be addressed at public events to inform them about the importance of providing proper stormwater management and pollution prevention practices. The traveling patrons of the Turnpike will be informed by posters and pamphlets located along the Turnpike. The outreach message will focus on impacts from impervious surfaces and source control BMPs and environmental stewardship.

The consultants and contractors will be educated with pamphlets that have an outreach message that focuses on impacts from impervious surfaces and source control BMPs and environmental stewardship. The information is also available on the website.

WVPA maintenance employees handle the landscaping on the Turnpike Right of Way. The employees are educated by posters and safety meetings where the use and storage of pesticides and fertilizers and auto maintenance are addressed. There are checklists provided for the meetings and each bullet point is discussed. A safety meeting sign-in sheet will be provided for each employee in attendance to sign.

All construction activities within the Turnpike Right of Way will be required to satisfy the Erosion and Sediment Control Manual provided by the WVDOH. WVPA will educate with handouts on runoff reduction techniques, stormwater treatment and flow control BMPs and the impacts of increased stormwater flows into receiving water bodies.

Informational material will be provided on the WVPA website. Educational material will outline what the public can do to reduce stormwater pollution and recent MS4 Annual Reports.