



National Pollutant Discharge Elimination System (NPDES)

**Storm Water Management Program
Site Registration Form
for
West Virginia**

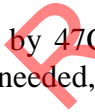


**Municipal Separate Storm Sewer Systems (MS4s)
General Permit WV0116025**



The site registration application (SRA) is for local governments or other regulated entities to submit the required information necessary for their Stormwater Management Program (SWMP) for compliance under the National Pollutant Discharge Elimination System (NPDES) MS4 General Permit to discharge stormwater runoff from a small municipal separate storm sewer system (MS4).

An authorized signature as required by 47CSR10 is needed to complete the application. All information should be included on this form or if needed, additional information can be attached at the end of the SRA.



Two (2) copies of the site registration application form shall be mailed to the address below.

**West Virginia Department of Environmental Protection
Division of Water and Waste Management – MS4 Program
601 57th Street, SE
Charleston, WV 25304**



Section I. General Information

MS4 Operator

Part II A.

1.a. Name of City, County or other public entity that operates a small MS4:

Town of Fayetteville

1.b. Mailing Address:

P.O.Box 298, 125 North Court Street, Fayetteville, WV 25840

Local staff contact, person responsible for overall program implementation and coordination.
(This is the person DEP will contact as the need arises for more information and/or details about your stormwater management program or general questions concerning stormwater in your community.)

1.c. Name *William D. Lanham, II*
1.d. Title *Town Superintendent*
1.e. Phone *304-574-0101*
1.f. E-mail address *townoffayetteville@suddenlinkmail.com*

Certification

47CSR10

By completing and submitting this application, I have reviewed and understand and agree to the terms and conditions of #WV0116025 small MS4 General Permit issued on June 22, 2009. I understand that provisions of the MS4 general permit are enforceable by law. Violations of any term and condition of the general permit and/or other applicable law or regulations can lead to enforcement action.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2.a. Authorized signature *Dennis R. Hanson*
(Mayor or Principal Executive Officer)

2.b. Print name DENNIS R. HANSON

2.c. Title City Mayor

2.d. Date March 8, 2017

Co-permittees (Complete this section if co-permitting with another MS4 entity) N/A

Part III. A.

- 3.a. Name of MS4 Operator
- 3.b. Contact person
- 3.c. Telephone
- 3.d. Address
- 3.e. Email address
- 3.f. Have legal agreements been finalized between co-permittees?
- 3.g. If yes, provide agreement with this application. (With signatures)

Section II. Storm Sewer System

Description of storm sewer system

- 4.a. Area (in acres) that drains into the MS4 from outside the corporate or jurisdictional boundaries: *3,300 Acres*
- 4.b. Area (in acres) within current corporate or jurisdictional boundaries: *3,555 acres*
- 4.c. For all MS4s, population (using the most recent U.S. Census data) for area served: *6,651*
(Universities: give current enrollment plus staff and faculty. Transportation agencies: give population of your MS4 in urbanized areas. Prisons; give current inmate plus staff population.)

Part IV.B.

- 4.d. Latitude and Longitude of representative outfall:
Longitude 38 Degrees 03 Minutes 1.35 Seconds
Latitude 81 Degrees 06 Minutes 25.12 Seconds

Tip: The MS4 general permit requires that you sample from one representative outfall twice a year. The location of this outfall will be in your most densely populated area.

Part IV.B.

- 4.e. The representative outfall is the drainage ditch located at the intersection of W Maple Avenue and Allen Street. The sample should be obtained on the north side of W Maple Avenue, just upstream from the Division of Highways bridge.

Part IV.B.

- 4.f. Describe your monitoring plan to include the frequency and parameters.

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Stormwater samples shall be collected twice a year from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previous measurable storm event (greater than 0.1 in rainfall). The grab sample shall be taken during the first 30-minutes of the discharge. If it is impractical during the first 30-minutes, a sample will be taken during the first hour of the discharge, with a monitoring report describing why it was impractical to grab the sample during the first 30 minutes. The samples will be collected during routine work hours and on routine work days of the staff responsible for collection.

The Town will develop a system to meet the required Discharge Monitoring Reports (DMRs) for Total Kneldahl Nitrogen, Nitrate Nitrogen, Nitrite Nitrogen, and Total Phosphorous. If all three constituents of total nitrogen are not detected at its method detection limit (MDL), the Town shall sum the actual MDLs for each constituent and report the result as less than the calculation. When calculating the sum of the constituents for total nitrogen, the permittee shall use actual analytical results when these results are greater than or equal to the MDL for a particular constituent. The permittee should use zero (0) for a constituent if one or two of the constituents are less than the MDL.

Storm Sewer Infrastructure

Provide the most accurate number possible.

The Town of Fayetteville has assembled watershed maps, however, is in the process of developing accurate base mapping for the items below. The mapping and inventory of these items will be part of the ongoing development and maintenance of this stormwater management program.

5.a. Storm sewers, in feet	TBD
5.b. Open ditches, in feet	TBD
5.c. Outfalls	TBD
5.d. Catch basins	TBD
5.e. Detention* facilities	TBD
5.f. Retention** facilities	TBD
5.g. Treatment facilities	0
5.h. Regional stormwater facilities	0

What’s the difference between Detention and Retention?

***DETENTION-** short-term storage of stormwater.

The objective of a detention facility is to regulate the runoff from a given rainfall event and to control discharge rates to reduce the impact on downstream stormwater systems.

****RETENTION–** permanent storing of stormwater indefinitely.

Water is stored until it is lost through percolation, taken in by plants, or through evaporation. Retention systems do not have any discharge of stormwater and associated pollutants.

6.a. Does your MS4 receive stormwater discharges from WVDOT storm sewer system, roads or right-of-ways?

Yes

6.b. Does your MS4 discharge into WVDOT storm sewer systems or right-of-ways? *Yes*

7. Is your MS4 interconnected with another MS4? (Does stormwater flow into or out of your storm sewer system to or from another MS4?) If yes, describe. *Yes, WVDOH.*

Fayetteville is part of the census-designated urbanized area along the US Route 19 road corridor.

8. Does your municipality contain combined sewer systems? *Yes*

9.a. What percentage is drained by Combined Sewer System? *Approximately 20%*

9.b. What percentage is drained by separate storm sewer system? *Approximately 80%*

Industrial Facilities owned by the MS4 entity

Part II.C.b.6.d.

10.a. Does your MS4 own and/or operate an industrial facility that discharges stormwater into the MS4?

Yes

Tip: These types of facilities include vehicle maintenance garages, vehicle washing or fueling areas, parks and recreational facilities that may store chemicals, pesticides and/or fertilizers, salt storage facility, waste transfer facility, wastewater treatment plants and any other industrial facility. Please note, additional information about your facilities must be provided under Minimum Control Measure #6.

10.b. If yes, how many?

6

(Item 11 is intentionally empty)

Map Requirements

Please provide a legible map that identifies the following information:

12.a. City, County or jurisdiction boundaries

12.b. State or Federal operated vocational/college/university campuses and military institutions

12.c. Urban area as defined by the 2000 Census, use 2010 Census data if available

12.d. Municipal, County, or State wastewater treatment plants and their associated outfalls

12.e. Landfills

12.f. Municipal, County or State operated vehicle or fleet maintenance garages

12.g. Any other Municipal, County or State operated industrial activities, these could include; salt storage areas, parks and recreational areas, chemical storage areas, etc.

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- 12.h. Arterial, Municipal, or State roads
 - 12.i. Stormwater discharge points and receiving streams
 - 12.j. Streams and waterways within the MS4
 - 12.k. Delineation of watershed area that drains into your MS4
- Part.II.C.b.3.a.iv.
- 12.l. Submit paper maps folded to 8.5" x 11".

Part.II.C.b.3.a.iv.

- 12.m. Multiple maps must be of the same scale, 1:1000 or 1:2000. *Maps Provided*

Receiving Streams and Impaired Waterbodies/TMDLs

Part III.D.1

List all named receiving waters within your MS4 jurisdiction. Indicate those identified as impaired pursuant to Clean Water Act Section 303(d). For a listing of West Virginia's impaired water bodies and the source of impairment please use WVDEP's most recent 303d list found at this website: http://www.dep.wv.gov/WWE/watershed/IR/Pages/303d_305b.aspx

Part III.D.1.a.

13. Locations & Pollutants of Concern

13. Locations & Pollutants of Concern Name of receiving stream	Stream Master Code	Stream Overall Category	Impaired? Yes or No	Parameters of impairment	Has a TMDL been established? Yes or No
New River (Blue Stone Outlet mouth)	WVKN-10	4a	Yes	Fecal Coliform	Yes, 2008
Laurel Creek	WVKN-5	4a	Yes	Fecal Coliform	Yes, 2008
Marr Branch	WVKN-9	4a	Yes	Fecal Coliform, Iron, CNA-Biological	Yes, 2008 Yes, 2008 Yes, 2008
Wolf Creek	WVKN-10-	4a	Yes	Fecal Coliform, Iron, Aluminum,	Yes, 2008 Yes, 2008 Yes, 2008
House Branch	WVKN-10-A	4a	Yes	Fecal Coliform	Yes, 2008
Crooked Run	WVKN-10-B	4a	Yes	Fecal Coliform	Yes, 2008

Please add additional pages if needed to list your Receiving Waterbodies and any impairments.

****IMPORTANT****

MS4s that discharge into a receiving water which has been listed on the West Virginia Section 303(d) list of impaired waters, and with discharges that contain the pollutant(s) for which the water body is impaired, **must document in the SWMP how the BMPs will control the discharge of the pollutant(s) of concern.** They must demonstrate that there will be no increase of the pollutants of concern. As you work your way through, describing the various practices, consider how that BMP will address or control the pollutant of concern.

If your MS4 discharges into a water body with an approved TMDL, and that TMDL contains requirements for control of pollutants from the MS4 stormwater discharges, then your SWMP must include BMPs **specifically targeted to achieve the wasteload allocations prescribed by the TMDL.** A monitoring component to assess the effectiveness of the BMPs in achieving the wasteload allocations must also be included in the SWMP. Monitoring shall be specific for the pollutants of concern and be of sufficient frequency to determine if the stormwater BMPs are adequate to meet wasteload allocations. Monitoring can entail a number of activities including but not limited to: outfall monitoring, in-stream monitoring, and/or modeling.

14.a. List and quantify the BMPs you plan to implement to address each impairment. For each BMP describe how it is expected to control the pollutant of concern.

The Town of Fayetteville's BMPs are as follows:

Fecal Coliform: The best management practices for reduction of Fecal Coliform will include separation of the combined system, and "Public Education" on the effects of animal waste.

- 1. Collaboration with WVAW for the separation and extension of the sanitary system.*
- 2. Mapping to update the Sanitary System: Once this mapping is complete, the Town will have a much clearer picture of how their storm sewer is collected, where it discharges, and where possible contamination could be coming from. This information will make it much easier to identify problem areas and help the Town in planning improvements.*
- 3. "Public Education": Literature will be made available at Town Hall information distribution stand, and the Town website. The Town will install postings at park locations, and public locations.*
- 4. Testing: Implementation of fecal coliform TMDLs would remove untreated sewage and reduce agricultural runoff thereby reducing the organic and nutrient loading causing the biological impairment in these streams. Fecal coliform TMDLs will serve as a surrogate where organic enrichment was identified as a stressor"*

CNA Biological:

- 5. The area within the Town of Fayetteville showing the impairment is undeveloped, forested. The Town does not believe to be a stressor. Fecal coliform TMDLs will serve as a surrogate where organic enrichment was identified as a stressor". If levels decrease through implementation of the Storm Water Management Plan, the Town will know that fecal coliform and/or sediment were contributing to the impairment.*
- 6. The Town has recently adopted a new Erosion and Sediment control ordinance that requires new developments to submit E&S plans for review. This ordinance requires a "developers' agreement" to install and maintain BMPs and requires the Town staff to perform inspections to ensure BMPs are being maintained and used properly.*

Iron impairments:

- 7. The Town has recently adopted a new Erosion and Sediment control ordinance that requires new developments to submit E&S plans for review. This ordinance requires a "developers' agreement" to install and maintain BMPs and requires the Town staff to perform inspections to ensure BMPs are being maintained and used properly.*

Tip: BMPs for Fecal Coliform might include a robust pet waste program; sewer line inspections and repair; procedures for identifying and repairing failing septic tanks.

Your plan needs to be quantifiable. For example: how many sewer line inspections do you plan to conduct each year? How many and of what sort of outreach campaigns to the community about pet waste do you plan to conduct, etc.?

14.b. Describe your monitoring plan for impaired waterbodies and those with TMDLs. Give locations and frequencies.

*The Town will test streams with TMDL's twice (2) a year as follows:
The Town will prioritize-streams and sample that one until samples were consistently low, and then move to another streams to see if the BMPs were effective in another area of the municipality, or another impaired stream*

Fecal Coliform

After the baseline is established, the levels of fecal coliform are indicative whether or not the education efforts and the Sanitary Upgrades are helping to reduce the pollution levels.

Iron impairments

Since salt storage and sediment is commonly associated with Iron impairment, it is likely to be through sediment in runoff. The BMPs that the Town is implementing for this impairment are the update and review of Ordinances for both Construction Site runoff and for Permanent SWM. The Ordinances and Town Plan review process will enforce proper measures during construction and after stabilization of development site, thus reducing or eliminating sedimentation during construction and high velocities of storm water discharge after development that often lead to stream bank erosion

CNA Biological Impairment

It is commonly attributed to urban runoff and sedimentation. As noted on the Lower New River Watershed Final TMDL Report, "organic enrichment, metals and pH toxicity, and sedimentation have been identified as the causative stressors for the biologically impaired streams addressed in this effort. The area within Fayetteville Town limits that drains directly into the Lower New River is entirely undeveloped and consists of wooded area. As a result, the Town is not believed to be a contributor to that specific watershed and does not propose testing in this location. If levels decrease through implementation of the Storm Water Management Plan, the Town will know that sediment and/or fecal coliform was a key contributor. If the levels do not decrease, the plan will have to be adjusted in order to determine where the impairment is coming from.

Monitoring Points

1. *Wolf Creek* – Latitude 38 Degrees 01 Minute 03.55 Seconds
Longitude 81 Degrees 07 Minutes 06.15 Seconds



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Testing Location
South of Route 16



Route 16

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2. House Branch (Representative Outfall) –

Latitude	38 Degrees	03 Minutes	1.35 Seconds
Longitude	81 Degrees	06 Minutes	25.12 Seconds

The House Branch location is the representative outfall for the Town. This location is the drainage ditch located at the intersection of W Maple Avenue and Allen Street. The sample should be obtained on the north side of W Maple Avenue, just upstream from the Division of Highways bridge. ~~X~~



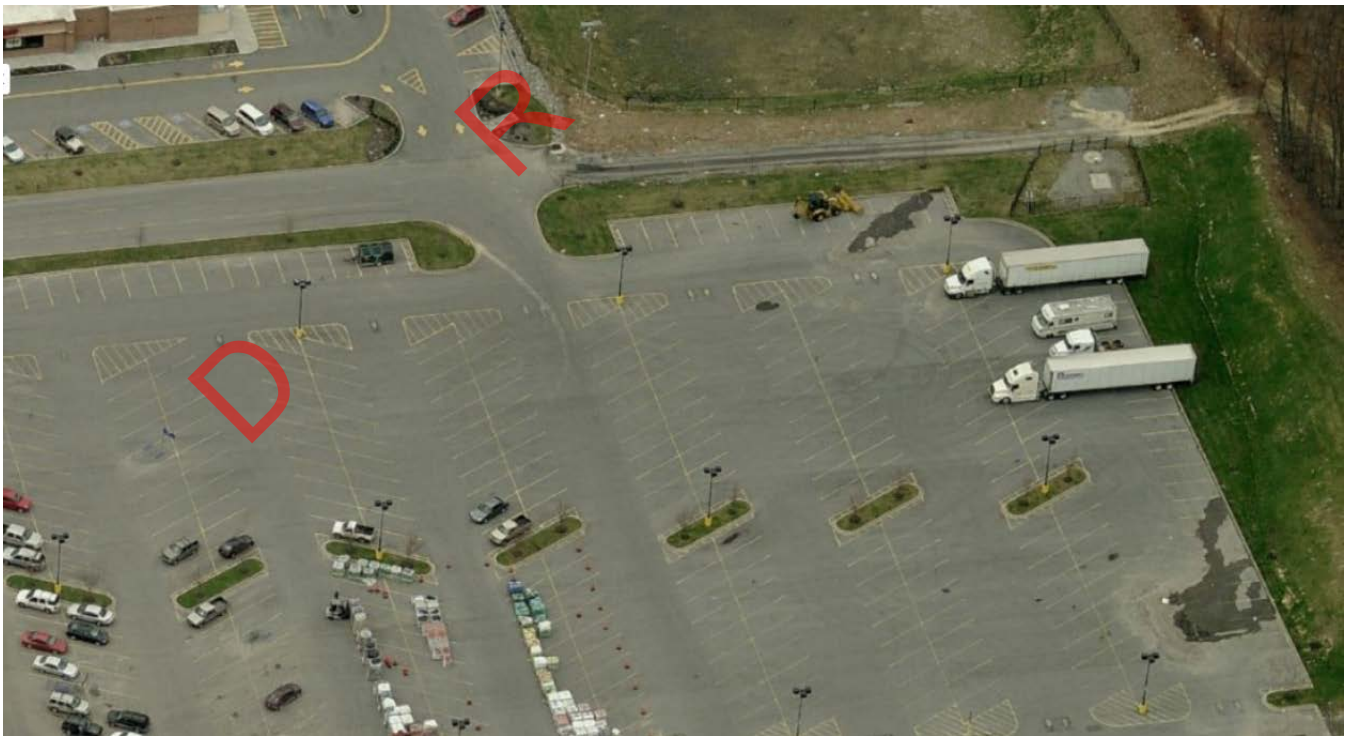
3. *Crooked Run*

Latitude	38 Degrees	02 Minutes	9.89 Seconds
Longitude	81 Degrees	06 Minutes	37.20 Seconds



4. Laurel Creek-

Latitude 38 Degrees 03 Minutes 1.35 Seconds
Longitude 81 Degrees 06 Minutes 25.12 Seconds

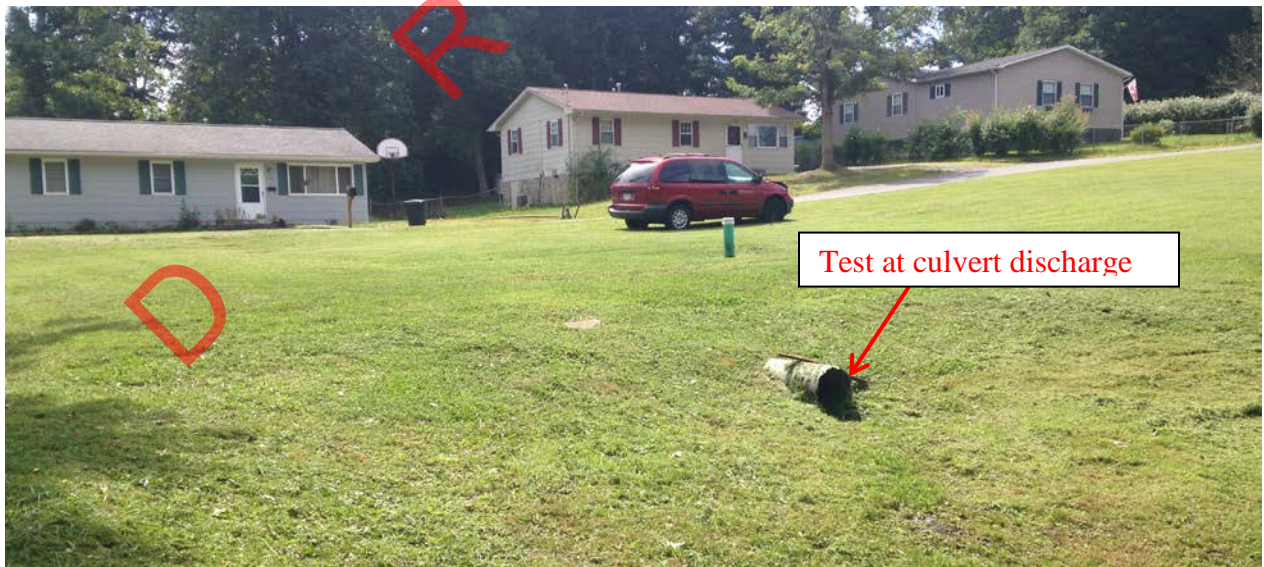


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5. Marr Branch—

Latitude 38 Degrees 03 Minutes 45.91 Seconds
Longitude 81 Degrees 06 Minutes 12.04 Seconds



The Town has chosen these points as testing points that are representative for the Town's runoff. It may be that such outfalls can be difficult to obtain flow from for a number of reasons. The Town will

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evaluate these outfalls further while this Program is under review and reserves the right to relocate testing points in order to obtain usable information. Though a testing point may be moved, there must remain one discharge/testing point in each of the above mentioned drainage areas.

14.c. If visual documentation of removal of pollutant sources, is a component of your plan please describe fully. For example, do you plan to use before and after photos?

The Town will document removal of pollutants as they occur. Before and after photos will be taken.

Evaluating the effectiveness of your SWMP for impaired waterbodies/TMDLs

14.d. Explain how your approach is expected to achieve wasteload allocations for waterbodies with established TMDLs. Discuss flow monitoring, outfall monitoring, in-stream monitoring, modeling, and/or other methodology to evaluate effectiveness.

Bmp's have been specifically chosen to reduce impairments and TMDL's:

- *Implementation of SWMP*
- *Education through the information desk and website*
- *Monitoring/testing the representative outfalls*
- *inspections*
- *gathering and analyzing data*
- *Plan review*
- *Separation of combined system in collaboration with West Virginia American Water (WVAW) operates the Town of Fayetteville's wastewater treatment system and facility and is working to eliminate CSOs, and extend the existing sanitary sewer in order to reduce the number of failing septic systems that are discharging into the waters.*

14.e. Explain how will you determine if your SWMP and mix of BMP's need to be modified to meet wasteload allocations?

The Town of Fayetteville will determine if SWMP and mix of BMP's need to be modified by:

1. *By LF separation of combined sewer and storm*
2. *By the amount of literature made available*
3. *Survey feedback*
4. *Visits to the website.*
5. *Updates to the Ordinance,*
6. *Participation at events*
7. *Inspections performed.*
8. *Water Quality Testing*

The Town will analyze the results within their annual report and can make adjustments to the Program and/or BMPs.

You are required to evaluate the effectiveness of your stormwater management program and your chosen BMP's. There are a variety of ways to do this. By identifying appropriate evaluation methods early, you then have a road map that will guide overall program implementation and BMP implementation. For example, you might analyze all your monitoring data, assess how aggressively your chosen BMPs were used, and describe any reductions in the pollutant of concern.



Section III. Minimum Control Measures

Instructions:

For each Minimum Control Measure (MCM), state your control objective and describe BMPs selected for implementation in your jurisdiction. For each BMP, include a brief description, measurable goals, and milestones as appropriate towards achieving each goal. Indicate if the BMP is part of an existing program and if another entity will share responsibility for implementing that BMP.

In cases where another entity will perform one or more BMPs or components thereof on behalf of the permittee, specifically describe the activities each entity will conduct and include reference to legal agreement where appropriate.

Describe as many BMPs as necessary to fulfill the requirements of the small MS4 General Permit. If you need more space attach additional pages.

Measurable Goals

Measurable goals are numeric or narrative standards used to gauge program effectiveness. These are design objectives or goals that quantify the progress of program implementation. For each BMP a measurable goal must be established. Describe what you expect to accomplish or achieve by certain dates or milestones, when you implement that particular BMP. Your expected outcome or accomplishment should be expressed as a measurable goal. You should have a variety of short and long term goals.

Milestones are a quantifiable target to measure progress toward achieving the activity or implementation of that BMP.

Additional guidance on selecting BMPs and developing measurable goals can be found at the following EPA website: www.epa.gov/npdes/stormwater/measurablegoals/index.htm

USEPA's measureable goal guidance can be found here:

<http://cfpub.epa.gov/npdes/stormwater/measurablegoals/index.cfm>

Your stormwater management program should specify:

- *What* needs to happen (Specific stormwater control measure)
- *Who* needs to do it (Which department of the MS4 will be implementing this stormwater control measure?)
- *How much* they need to do (milestones and measurable goals)
- *When* they need to get it done
- *Where* it is to be done

There must be specific performance measures. Without a goal, you will have a difficult time measuring progress.

Public Education and Outreach on Storm Water Impacts – MCM #1

Part II.C.b.1.

Responsible Person –

Identify the responsible person(s) for implementing this MCM. (There may be more than one person or different departments that provide outreach to various targeted groups. If so, discuss.)

- 15.a. Name: *William D. Lanham, II*
- 15.b. Title: *Town Superintendent*
- 15.c. Department: *Town Hall, Town of Fayetteville Administration*
- 15.d. Address: *P.O.Box 298, 125 N. Court Street*
- 15.e. Phone number: *304-574-0101*
- 15.f. Email address: *townoffayetteville@suddenlink.com*

Part II.C.b.1.

- 15.g. State your overall objective for this minimum control measure.
To eliminate public behaviors and practices of general public that cause or contribute to stormwater pollution.

- 15.h. State and describe your BMPs. Indicate if BMPs are part of your existing program.
 - *Make “Storm Water Management Program” (once approved), available for public review at Town Hall and on the Town website.*
 - *Update to the website created for the Town’s MS4 program. The Website is linked in from the Town webpage that identifies how the different groups contribute to storm water pollution and what changes they can make to help clean up the storm water discharge. It will also indicate the point of contact for reporting sanitary sewer related incidents.*
 - *The website will include a counter for websites visitors by July 2017*
 - *Survey feedback.*
 - *Fifty flyers are posted for pick up at the Town Hall information desk on stormwater management and urban nonpoint source runoff. Literature media is counted and restocked*
 - *All new grading design permits will be provided with a flyer attached to the permit at the time of issuance.*

- 15.i. Is another entity sharing responsibility for the BMP? If so, who?
No.

MCM Components

Part II.C.b.1.a.i

- 15.j. Describe your education and outreach strategy targeting the general public.
The Town literature and website’s education and outreach effort focuses on
 - *General impacts of stormwater flows into surface waters.*
 - *Impacts from impervious surfaces.*

- *Source control BMPs and environmental stewardship actions and opportunities in the areas of pet waste, vehicle maintenance, landscaping, and rain water reuse.*

Part II.C.a.ii

15.k. Describe your education and outreach strategy targeting businesses including home-based and mobile businesses.

The created literature and website has a link to fact sheets to inform businesses, including home-based and mobile businesses how they can be more environmentally cautious. It focuses on pollutants most likely associated with the particular business, as well as:

- *BMPs for use and storage of products used in vehicular operation, care, or repair, such as petroleum, cleaning supplies and wastes, carwash soaps, and related materials or wastes.*
- *Impacts of illicit discharges and spill reporting procedures.*

Part II.C.b.1.a.iii.

15.l. Describe your education and outreach strategy targeting homeowners, landscapers, and property managers.

The website has a created link targeting homeowners, landscapers, and property managers. It focuses on:

- *Yard care techniques that protect water quality.*
- *BMP's for use and storage of pesticides and fertilizers*
- *BMP's for carpet cleaning and auto repair and maintenance*
- *Runoff reduction techniques, including site design, pervious paving, and retention of forests and mature trees*
- *Stormwater pond maintenance.*

Part II.C.b.1.a.iv

15.m. Describe your education and outreach strategy targeting engineers, contractors, developers, review staff, and land use planners.

The Town has included the SWMP requirements in all future construction contracts.

Education and outreach efforts targeting engineers, contractors, developers, review staff and land use planners address:

- *Technical standards or construction site sediment and erosion control*
- *Runoff reduction techniques, including site design, pervious pavement, alternative parking lot design, retention of forests and mature trees*
- *Stormwater treatment and flow control BMP's*
- *Impacts of increased stormwater flows into receiving water bodies.*

Schedule

Part II.C.a.1

15.n. Provide a schedule for implementing each component, including dates for interim and full implementation.

1. *The website is maintained and updated annually-*

2. *The website counter is logged and reported annually*
3. *Survey feedback will be added annually.*
4. *The educational flyers on the Town Hall information station are counted and restocked monthly*

Measurable Goals

Part II.B.4

15.o. List and fully describe your Measurable goal(s) for this MCM.

1. *The website updates*
2. *The website visits*
3. *Website counter:*
4. *Flyers dispersed*
5. *Survey for feedback*

Tracking

Part II.C.b.1.c.

15.p. Describe your plan to track the activities associated with this MCM.

As described above, a count is kept on dispersal of the educational flyers, and the number of surveys returned. The website will contain a counter and survey for public response.

Evaluation

Part II.B.7 & Part II.C.b.1.b.

15.q. Explain how you plan to gauge the effectiveness of your public education and outreach efforts.

Effectiveness will be gauged by:

- *the amount website updates*
- *the amount of surveys returned*
- *the number of website visits*
- *the number of flyers dispersed*
- *the number of flyer-grading packets dispersed to designers*

TIP: Changes in awareness, knowledge, and attitudes can be measured effectively using statistically valid surveys or questionnaires. Other approaches include monitoring attendance at public meetings, tracking requests for information, and counting hits on web sites. Keep in mind that simply reporting the number of meetings held or the number of brochures printed is not an effective method to document changes in stormwater knowledge.

Assess behavior changes. Measurement of change in pollution-generating behavior in a watershed can be an important indicator of progress toward achieving SWMP goals. Examples include: A. Changes in lawn fertilizer sales in response to a publicity campaign, B. Pounds of hazardous waste turned in at collection events, participation in streambank clean-up events, and C. Sign-ups for environmental action pledges.

A

R

D

Public Involvement and Participation – MCM #2

Part II.C.b.2.

Responsible Person:

Identify the responsible person(s) for implementing this MCM. There may be more than one person or different departments responsible for various projects. If so, discuss.

- 16.a. Name: *William D. Lanham, II*
- 16.b. Title: *Town Superintendent*
- 16.c. Department: *Town Hall, Town of Fayetteville Administration*
- 16.d. Address: *P.O. Box 298, 125 N. Court Street*
- 16.e. Phone number: *304-574-0101*
- 16.f. Email address: *townoffayetteville@suddenlinkmail.com*
- 16.g. State your overall objective for this minimum control measure.
Create opportunities for the general public to become involved in the implementation and evolution of the Town's stormwater management plan. Support the plan through participation, education, and outreach, as well as continue the current activities in place. Make information accessible to the public through the Town website <http://visitfayettevillewv.com/community/> and www.townoffayetteville.org
- 16.h. State and describe your BMPs. Indicate if the BMP is part of the existing program.
- 1) *Work with Fayette County Commission and the Utility Board to hold a Household Hazardous Waste Collection Day (HHWCD) program by providing financial and administrative support.*
 - 2) *The Town participates on a program to Recycle Electronics on April 19th.*
 - 3) *Hold Earth Day Celebration in the Town.*
 - 4) *Maintain recycle drop-offs at four locations within the Town.*
 - 5) *Collaborate with Highway clean up by the Rotary and Lions Club.*
 - 6) *Public attendance and participation on the Storm Water Quality Board meetings.*
- 16.i. Is another entity sharing responsibility for the BMP? If so, who?
No

MCM Components

Part II.C.b.2.

- 16.j. Describe at least two methods you plan to use to engage the public in your SWMP.
- 1) *Involvement in the meetings conducted by the MS4 Coordination members at the Sanitary Board through the use of an attendance sheet.*
 - 2) *Involvement in the Town clean-up, recycling events through the use of an attendance sheet.*
 - 2) *Public comment on the SWMP through the website hotline link*

Part II.C.b.2.a

- 16.k. Describe how you will accommodate public participation in the decision making process for your SWMP.

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The public has the opportunity to participate in meetings, events and activities, comment through the website link, and comment in open forum to address previously submitted comments. This allows the public to assist in the development, implementation, and update to the Town SWMP.

Part II.C.b.2.b

16.l. Describe your communication process for notifying groups of opportunities to become involved in stormwater activities in your watershed(s).

The Town advertises upcoming meetings and/or involvement opportunities primarily on the new website, and in the newspaper. Public posting, advertisements and mailers will be utilized to notify participation opportunities.

Part II.C.b.2.c

16.m. List the URL of your **Stormwater** website.

www.townoffayetteville.org

The developed website is under construction to provide Stormwater information. If the website is not functional within 1 year of the approval of the SWMP an annual report will be submitted to DEP in electronic format for electronic distribution when it is requested.

Schedule

Part II.C.a.1

16.n. Provide a timeline of implementation of each component of your program for this MCM, including dates for interim and full implementation.

- 1) *Household Hazardous Waste Collection Day (HHWCD) program – annual occurrence*
- 2) *Electronics Recycle - on April 19th – annual occurrence*
- 3) *Hold Earth Day Celebration in the Town – annual occurrence*
- 4) *Maintain recycle drop-offs at four locations within the Town – maintenance occurrence is as needed, and at a minimum semi-annually*
- 5) *Collaborate with Highway clean up by the Rotary and Lions Club – annual occurrence*
- 6) *Stormwater Quality Board Meetings – annual participation.*

Measurable Goals

Part IV.A. & Part II.B.4

16.o. List and fully describe your measurable goal(s) for this MCM.

1. *Household Hazardous Waste Collection Day (HHWCD) program – sign-up sheet/attendees, amount (tons) of trash collected*
2. *Electronics Recycle - amount (tons) of items collected*
3. *Hold Earth Day Celebration in the Town – sign-up sheet/attendees*
4. *Maintain recycle drop-offs at four locations within the Town – amount (tons) of items collected*

5. *Collaborate with Highway clean up by the Rotary and Lions Club – amount (tons) of trash collected*
6. *Annual participation at Stormwater Quality Board Meetings*

Tracking

Part II.B.7.

16.p. Describe your plan for tracking activities associated with this MCM.

1. *Household Hazardous Waste Collection Day (HHWCD) program – record the amount of trash collected, and record a participation attendance sheet.*
2. *Electronics Recycle - on April 19th – record the amount of trash collected, and record a participation attendance sheet.*
3. *Hold Earth Day Celebration in the Town – record the amount of trash collected, and record a participation attendance sheet.*
4. *Maintain recycle drop-offs at four locations within the Town – record the amount of trash collected*
5. *Collaborate with Highway clean up by the Rotary and Lions Club – record the amount of trash collected, and record a participation attendance sheet.*
6. *Attendance to Stormwater Quality Board Meetings is reported annually.*

Evaluation

Part II.B.7

16.q. Explain how you plan to gauge the effectiveness of your Public Involvement and Participation program.

Effectiveness will be gauged based on the number of participants in events and how many cleanup activities take place, as well as by the tonnage of collected trash and recyclables. The Town has logged in these numbers and will use them as a baseline for future collections.

Illicit Discharge Detection and Elimination – MCM #3

Part II.C.b.3.

Responsible Person

Identify the responsible person(s) for implementing this MCM. If there is more than one person or department responsible for implementation of this MCM, please discuss.

- 17.a. Name: *Jim Schoolcraft*
17.b. Title: *Mechanic*
17.c. Department: *Town Hall, Town of Fayetteville*
17.d. Address: *P.O. Box 298, 125 N. Court Street Fayetteville*
17.e. Phone number: *304-640-2628*
17.f. Email address: *fvilleshop@suddenlinkmail.com*

17.g. Is another entity sharing responsibility for the MCM? If so, who? *No*

Control Objective & BMPs

- 17.h. State your overall objective for this MCM.
Establish and carry out procedures to identify and remove illicit discharges, establish legal authority for enforcement actions, and encourage public education and involvement in eliminating illicit discharges. Update the existing Ordinance and draft an infrastructure map.
- 17.i. State and describe your BMPs. Indicate if any BMPs are part of your existing program.
- 1) *Develop map of existing storm sewer system and outfall locations.*
 - 2) *Update the Ordinance to include IDDE identification, prevention, enforcement procedures*
 - 3) *Field training of employees will be conducted to heighten awareness of employees that work in the community. This training helps employees understand what illicit discharges are and why it is important to eliminate this source of pollution.*
 - 4) *Inspections: Employees will be tasked with routine inspections throughout their normal daily activities in order to detect illicit discharges.*

MCM Components

Part II.C.b.3.a.

- 17.j. Do you have a current map of your municipal storm sewer system?
No, mapping is under construction and will be ongoing.

Do your map components include/do you plan to include:

Part II.C.b.3.ai

- 17.k. All known storm sewer outfalls? *No. The map is under construction, the outfalls will be added.*
17.l. Receiving waters? *Yes*
17.m. Structural BMP's owned, operated or maintained by the permittee? *No, will be added.*
17.n. The location and type of all other stormwater conveyances located within the boundaries of the permittees MS4 watershed? *No, will be added.*

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- 17.o. Updating the known connections to the municipal separate storm sewer authorized after July 22, 2009? *No, this is a BMP proposed for the SWMP.*
- 17.p. Geographic areas that discharge stormwater into the permittees MS4, which may not be located within the municipal boundary? *Yes*

Tip: Your map should show new outfalls, structural stormwater BMPs owned by the MS4, other stormwater conveyances, and other pertinent information. You must update your map on an annual basis.

Part II.C.b.3.b.

- 17.q. Do you have an IDDE Ordinance?
Yes.

Part II.C.b.3.b.

- 17.r. Describe your Ordinance review and update procedure, including milestones of IDDE Ordinance review.
The IDDE Ordinance will be reviewed annually by the Town's IDDE staff. Recommendations will be made to the Board on the IDDE Ordinance, along with the Annual Report. The Board will consider recommendations along with the Annual Report and will propose any necessary Stormwater Management Program changes to the Town Council for official approval.

Does your IDDE Ordinance prohibit the following:

Part II.C.b.3.ii

- 17.s. Discharges from hyperchlorinated water line flushing? Yes or No. If not, how are these discharges handled when they occur?
The Ordinance and Education and outreach literature will discuss the effects of hyperchlorinated water line flushing.

- 17.t. Lawn watering and other irrigation runoff? Yes or No. If not, have you addressed lawn watering in your public education and outreach activities?
The Ordinance and Education and outreach literature will discuss the effects of watering lawns.

- 17.u. Street, parking lot, and sidewalk wash water, and external building wash down? Yes or No. If not, have you addressed these types of runoff in your public education and outreach activities?
Education and outreach literature will discuss the effects of the above activities, urging the general public to abstain from or at least limit those activities.

Part II.C.b.3.b.v.

- 17.v. Does your IDDE Ordinance include escalating enforcement procedures and actions?
Yes. The ordinance will contain escalating enforcement procedures and actions.

Part II.C.b.3.b.v.

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17.w. Briefly describe your enforcement strategy.

The Town of Fayetteville's Ordinance Article 101.99 has implemented a general penalty that states the following " Whenever, in the Codified Ordinances or in any ordinance of the Municipality, any act is prohibited or is made or declared to be unlawful or an offense, or whenever the doing of any act is required or the failure to do any act is declared to be unlawful, where no specific penalty is otherwise provided, whoever violates any such provision shall be fined not more than five hundred dollars (\$500.00) or imprisoned not more than thirty days, or both. Each day any such violation continues shall constitute a separate offense."

In keeping with the enforcement of the Standards under the Construction Ordinance, the following is stated on Article 1721.01: "The order shall require the owner, occupant or person in charge of the premises to comply with the order for corrective measures by the time allotted, which shall be at the discretion of the Code Official, but shall, in no case, be less than ten days, or to file an appeal with the Board of Appeals within twenty (20) days; however, whenever the Code Official finds that any emergency exists which, in his opinion, may involve the potential loss of life or severe property damage, he may issue an order reciting the existence of such an emergency and requiring that such an action be taken as he deems necessary to meet the emergency. Notwithstanding the other provisions of this section, if such an emergency order is directed, the person being served shall be afforded a hearing before the appeals board upon petition to the Appeals Board; but if no such petition is filed within 24 hours of that person's being served with such an emergency order, the person to whom such an emergency order is directed shall comply with such order by the end of such 24-hour period."

The draft ordinance will utilize similar language with regard to illicit discharges.

Tip: The IDDE Ordinance shall be reviewed on an annual basis. The Ordinance shall be reviewed to ensure that it contains the necessary required information that the 2009 small MS4 general permit requires.

Your Ordinance is required to prohibit and eliminate non stormwater discharges, illegal discharges, and/or dumping into the storm sewer system, and any necessary procedures for evaluation, assessment, investigation and enforcement to prevent polluted stormwater discharges from entering local streams, lakes or rivers. Except for newly permitted entities, MS4's should already have this Ordinance in place.

Part II.C.b.3.c .

17.x. Describe your field assessment activities, including how many assessments you plan to conduct each year.

The Town of Fayetteville will conduct stream walk assessments within 1 year of the program approval, with the intention of locating all of the Town's stormwater outfalls.

- *Annual Outfall field assessment for Impaired Streams*
- *Dry weather field assessment: MS4 Program employees as well as all Public Works employees*

watch for illicit discharges during all weather periods with specific instruction to monitor discharges occurring in dry weather

- *During wet weather testing, employees shall detect Combined Sewer Overflows. As the Town's combined system separation is enacted, employees are expected to notice a reduction in these overflows.*
- *Training on detection of illicit discharges will continue to be coordinated. Field assessments are scheduled annually.*

Part II.C.b.3.c.i.

17.y. Describe how you will locate "priority areas".

Priority areas will be tagged as suspicious activities are noted through inspection and community complaints/reporting. In addition, Priority Areas will be determined based on the potential for pollutant discharge. If there are multiple occurrences at any one location, the location will also be tagged as a "priority area".

Priority areas are determined based on:

- *current land use*
- *prior land use*
- *business/industrial activity*
- *prior complaints*

Part II.C.b.3.c .iii

17.z. Describe your procedures for characterization of illicit discharges.

The characterization of an illicit discharge will be in compliance to Town of Fayetteville's Storm Water Ordinance currently under review to include the procedure to follow:

Discharges not composed entirely of storm water; having discoloration or sheen, odor, staining, fish kills, and overgrowth, hyper-chlorinated waterline flushing, pipeline hydrostatic test water and chlorinated non drinking water discharges.

Public works facility staff shall investigate and report any discharge that is questionable. Basically, if there is anything that indicates that discharge is not 100% water. Staff is required to classify the incident in their reporting. They shall identify if a discharge was present, if it was small or large, if there was an odor, if the incident was an emergency, if authorities had to be called in, and how it was found. Staff will also take the same actions if there is no discharge present but staining, odor, or overgrowth is present.

Part II.C.b.3.c .iv

17.aa. Describe your procedures for tracing the source of the discharge.

Once an illicit discharge or problem area is detected, as determined by the IDDE Guidance Manual, multiple activities may be used to trace the source. Methods may be as simple as following the "sheen" upstream until it takes you to the source or may be comprised of more intense activities such as dye-testing, smoke testing, or camera work within the storm sewer system.

Part II.C.b.3.c.v

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17.bb. Describe your procedures for removing the source of the discharge.

- *Contact the property owner to eliminate and clean the discharge*
- *Contact personnel and authority*
- *Contact the DEP hotline*

Once the source is determined, the offending discharger will be notified and directed to correct the problem. The offender will be given a number of days to contact the Mayor with respect to the recipient's position, as it will be stated in the Ordinance for the Town of Fayetteville currently under development. Within the number of permitted days, the Final Order will be issued. The offender will have a grace period to appeal the Final Order. If the offender does not comply within the allotted time, the proper procedure will be followed as outlined in the "Stormwater Management and Surface Water Discharge Control Ordinance".

Tip: Each permittee shall continue to assess, update and implement an ongoing program to detect and address non-stormwater discharges, spills, illicit connections and illegal dumping into the MS4.



C.b.3.d.

17.cc. Describe how you will inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.

Information will be provided in literature throughout town, mailings, and occasionally within public advertisements. Immediate notices information will be provided through the local news, television, and radio.

Part II.C.b.3.f.

17.dd. Describe your plan to training your staff on the identification and reporting of illicit discharges. Include the number of training sessions planned for each year.

The Town will be making contact with West Virginia American Water, the Metropolitan Planning Organization, and the WVDEP in an effort to take part in joint training. The Town of Fayetteville will train field staff, public works staff, engineers and additional staff, i.e. Contractors annually on IDDE.

Schedule

Part II.C.a.1

17.ee. Describe how and when you will implement each component of program, including dates for interim and full implementation.

- 1) *Map: will be reviewed/updated annually.*
- 2) *Ordinance: will be reviewed/updated annually.*
- 3) *Training sessions: The Town will conduct training annually. As well as within 3 months for newly hired employees directly responsible for tasks within the storm water management for the Town. The Town will use all available DEP material to provide training. The training program will be fully established by October 2018.*
- 4) *Inspections: The Town will conduct inspections annually.*

Measurable Goals

Part II.B.4

17.ff. List and fully describe your Measurable goal(s) for this MCM:

- *Mapping: Annual update to mapping*
- *Ordinance: Annual review of the ordinance by IDDE staff, Sanitary Board and Town Council.*
- *Training: Annual training to personnel*
- *Inspections: Annual inspections conducted*

Tracking:

Part II.C.b.3.d.ii & Part II.C.b.3.e.

17.gg. Describe your procedures for tracking activities related to each component of this MCM.

Town employees charged with detection are required to fill out “logs”, keeping record of the discharges. The Town will track, summarize, and report on an annual basis:

- a) *The number and type of spills or illicit discharges identified during the reporting year*
- b) *Inspections to spills and discharges within 15 days*
- c) *Feedback received from IDDE public education efforts such as 303d/TMDL pollutants of concern*
- d) *Program evaluation results*
- e) *Municipal staff training*

Evaluation

Part II.B.7

17.hh. Fully explain how you plan to gauge the effectiveness of your IDDE program.

The program has several ways to gauge its effectiveness ranging from keeping track of the number training sessions, mapping updates, reported discharges from the public, from the Town employees, number of actual illicit discharges detected, and number of illicit discharges corrected. Public is being educated on the hazards of improper disposal of trash as outlined in the public involvement section of this report.

Tip: The IDDE program evaluation can consist of a data base that contains the information including tracking the number and type of spills, illicit discharges identified, inspections conducted, illicit connections removed, and any feedback received from public education efforts. If you have a hotline, you may also be able to determine trends of awareness to your IDDE program.

Construction Site Run-off Control – MCM #4

Part II.C.b.4.

Responsible Person:

Identify the responsible person(s) for implementing this MCM. There may be more than one person or different departments responsible for various projects. If so, discuss.

- 18.a. Name: *Sonya Wood*
18.b. Title: *Town Clerk/permits*
18.c. Department: *Town Hall, Town of Fayetteville*
17.d. Address: *P.O. Box 298, 125 N. Court Street Fayetteville*
18.e. Phone number: *304-574-3760*
18.f. Email address: *h.3760@frontier.com*

18.g. Is another entity sharing responsibility for this MCM? If so, who? *No*

Control Objective & BMPs

- 18.h. State your overall objective for this minimum control measure.
The existing program's objective is to minimize pollution created by runoff from construction site activities.
- 18.i. State and describe your BMPs. Indicate which BMPs are part of your existing program.
- *Ordinance: Development of the Ordinance within one year of program approval, and annual review /update to the "Erosion and Sediment Control Ordinance thereafter."*
 - *Inspections: On-site inspections for construction sites make certain proposed BMP devices are working properly and are maintained.*
 - *Plan reviews: To ensure the design supports erosion and sediment control.*

MCM Components

Part II.C.b.4.a.

- 18.j. Do you have an Ordinance to control construction site run-off?
No. The ordinance will be in place within a year of program approval.

Part II.C.b.4

- 18.k. Does your program regulate disturbance of one acre or more and also less than one acre if part of a larger common plan? Does your Ordinance regulate disturbances of less than one acre? If so, what is the size threshold?
The draft ordinance will regulate disturbance of one acre or more and also less than one acre if part of a larger common plan. The ordinance will not regulate disturbances of less than one acre.

Part II.C.b.4.a.i-ix.

- 18.l. Does your Ordinance contain the nine required components?

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No. The draft Ordinance will ensure it addresses the nine required components and/or gives the Town the authority to provide for them.

Tip: The nine required components your ordinance must address include: Sediment & erosion control BMPs; requirements for construction site operators to actually implement these BMPs and to control waste; demonstration of appropriate NPDES registration; authority for site plan review; authority for public input; authority for site inspections & enforcement; adequate funding for inspections & enforcement; and training for construction site operators.

Part II.C.b.4.b.

18.m. Describe the plan review process for your construction site run off program. *Any construction activity that results in impervious area of greater than one acre will be required to submit stormwater management and comprehensive drainage plans, including erosion and sediment control plans.*

The plan review process shall consist of an initial review of concept between the Town and the designer. Incorporated in the planning and grading permit process.

1. Preliminary design meeting – Town, designer and review consultant are present
2. Plans are submitted to the Town
3. Review for compliance is done.
4. Designer addresses comments, review and update to the plans and resubmittal to Town
5. Further review
6. The Town recommends approval to the Council if design complies with the MS4 Program
7. MS4 Program Director recommends approval
8. Approval of permit by the Water Board, Town Council, Planning and Zoning

The Ordinance will be reviewed and updated to ensure it abides by the new permit requirement that application for construction-site disturbances must contain a listing of all water bodies into which the construction site will discharge and whether or not those water bodies are on the 303(d) list for impaired waters or have established TMDL's.

18.n. Describe the inspection process of your construction site run off program. *The Town will inspect construction sites for compliance with the MS4 requirements:*

- After installation
- During/after qualified rain events
- Prior to termination

The Town will maintain a record of inspections and checklist forms used during inspections in a log book/database.

18.o. Describe the enforcement process of your construction site run off program.

The enforcement process will be developed in the draft ordinance as follows:

- *Notify the property owner with a warning notification*
- *Implement enforcement:*
 - *Award a "Notice to Clean"*
 - *Award "Cease and Desist" orders*

Part II.C.b.4.b.

18.p. Discuss how your program will address the regulation of both private and public sector construction site run-off.

Same standard is used for both sectors. If the public sector is cited, and intermediate enforcement may be required, which would require employees to be retrained.

Schedule

Part II.C.b.4.a.

18.q. The Ordinance shall be reviewed on an annual basis. Describe your Ordinance review and update procedures.

The ordinance will be reviewed annually by the Town staff, the Board, and the Town Council.

18.r. If your Ordinance does not contain the standards required by the permit, provide a schedule for implementation and measureable goals for getting these components into your Ordinance. Include a mid-point and full implementation date.

The draft Erosion and Sediment Control ordinance will contain the standards as required by the permit.

Tip: The components of your construction site runoff control program must include:

- Plan review and approval process for new development and redevelopment projects
- Inspection protocol
- Development of enforcement strategy
- Education and training for construction site operators
- Development of an application process.
- Record keeping for approved projects, inspections, and enforcement.

Measurable Goals

Part IV.A. & Part II.B.4

18.s. List and fully describe your measurable goal(s) for this minimum control measure.

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Measurable goals will include:

- *Ordinance: adoption, annual review and update as necessary*
- *Site Inspection: the number of regulated construction projects*
- *Plan review: implementation of the grading permit review process, the number of construction plans submitted to the Town for review, and the log created to track project name, description and acreage.*

Tracking

Part II.B.7.

18.t. Describe your plan for tracking activities associated with this minimum control measure.

Tracking activities consist of:

- *the development and annual number of ordinance updates*
- *the number of construction projects that have implemented of erosion & sediment controls*
- *warning and notice of violations awarded*
- *logs for enforcement-actions taken, recorded and included in the Annual Report*
- *the number of plan reviews*
- *training sessions for site operators to develop/follow O&M procedures and PPP that abide by the Town MS4*

Evaluation

Part II.B.7

18.u. Explain how you plan to gauge the effectiveness of your Construction Site Run-off Control program.

Effectiveness is gauged by:

- *the ordinance development and annual review*
- *the number of plan reviews abiding by the ordinance*
- *the number of site inspections performed to construction projects that have implemented erosion & sediment controls*

Controlling Run-off from New Development and Redevelopment – MCM #5

Part II.C.b.5

Responsible Person(s):

Identify the responsible person(s) for implementing this MCM. There may be more than one person or department responsible for various portions of this control measure, If so, discuss.

- 19.a. Name: *Allan Ballard (Fayette County)*
- 19.b. Title: *Fayette County Building Inspector*
- 19.c. Department: *Building Inspection and Code Enforcement*
- 19.d. Address: *Fayette County Commission, PO Box 307, Fayetteville WV, 25840*
- 19.e. Phone number: *304-574-4346*
- 19.f. Email address: *mathewballard13@yahoo.com*
- 19.g. Is another entity sharing responsibility for this MCM? If so, who?
No

Tip: This MCM will likely have more than one department responsible for implementation. Often planning, zoning, building, public works; sewer boards, and stormwater managers are involved in the new development and re-development program. Explain who deals with each component of this MCM.

Control Objectives & BMPs

- 19.h. State your overall objective for this MCM.
Minimize impact of post construction site runoff by controlling the quantity and quality of stormwater that leaves a site.

MCM Components

Watershed Protection Elements

Part II.C.b.5.ai.

19.i. Have you incorporated the six watershed protection elements into your subdivision ordinance or equivalent document? Name the document(s) where each element is found & give the review date for the document. * If there is no review, describe how you will incorporate the element into your document(s).

No. The Ordinance is under development to include the watershed protection elements are regulated through the building permitting process

Watershed Protection Elements	Name of document that contains the element	*Review Date
1. Minimizing impervious surfaces	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>
2. Preserving ecologically sensitive areas	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>
3. Reducing thermal impacts	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>
4. Reducing or avoiding hydromodification	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>
5. Tree protection	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>
6. Protection of native soils, prevention of compaction of soils	<i>Part 13 – Planning and Zoning Code will include the element</i>	<i>Annually</i>

Part II.C.b.5.a.i.B

19.j. List your quantifiable objectives for each watershed protection element, including time frames to achieve them.

The ordinance under development will be reviewed annually.

Review staff will verify that developers/engineers utilize as many of the watershed protection elements as possible in new construction and re-development projects:

- *The design standards will request minimizing impervious area, preserving ecologically sensitive areas, protecting existing vegetation, and protection native soils.*
- *The requirements to improve water quality reduce thermal impacts and hydro-modification.*
- *The number of completed checklist on the watershed protection elements as they appear on the permit applications.*

19.k. State and describe your BMPs. Indicate if any BMPs are part of your existing program.

BMPs for the Town are:

- *Ordinance: The Town will develop the ordinance within one year of program approval, and review and update the Ordinance annually.*
- *Implementation and record keeping of the number of plans reviewed and number of site inspections*
- *Implementation of a tracking system via map and list for the number of structural stormwater*

- control systems within one year of program approval, and review/update annually thereafter.*
- *Inventory of structural stormwater controls within one year and include them in the map database*
 - *Inspection of structural BMPs once per permit cycle, and annual tracking.*

Site Design Standards

Part II.C.b.5a.ii.A.1.

19.1. Do you have an ordinance or other enforcement mechanism for the required site design standards? If not, what is your schedule of implementation? Include mid-term and full implementation dates for Ordinance review and enactment.

No. A draft ordinance is planned for within one year of the program approval that will include the site design standards required, once implemented it will undergo annual review/update.

Tip: The site design standards should include managing the 1st 1-inch of rainfall in a 24-hr storm following 48 hrs. without rain.

There are several practices that manage rainfall on site including: canopy interception, soil amendments, evaporation, rainfall harvesting, engineered infiltration, extended infiltration, and evapotranspiration and any combination of these practices.

Part II.C.b.5.ii.A.2.i,ii

19.m. Does your Ordinance have provisions for reducing pollutant loadings for stormwater discharges from Hot Spots? If the project is a potential hot spot and cannot meet water quality treatment with on-site controls, are there provisions for proper disposal of stormwater discharges at a treatment/disposal facility?

The draft ordinance will contain provisions for reducing pollutant loadings from hot spots and there will be provisions for proper disposal of stormwater from sites that cannot meet water quality treatment with on-site controls. The site design standards required will be included within the Ordinance.

Part II.C.b.5.ii.A.2.iii

19.n. Do you know where drinking water source protection areas are located within your MS4 watershed? Describe how this information will be kept confidential, and made available to WVDEP only when requested.

No, the Town of Fayetteville is not aware of any drinking water source protection areas within the Town's MS4 Watershed. The Fayette County Health Department may be contacted for further information regarding these areas, if they exist.

Tip: You may need to coordinate with your local Health Department about where additional discharge protections may be needed to comply with source water protection. Document any obstacles that you encounter in regards to this component.

19.o. Describe your program for reducing impervious surfaces.

The draft ordinance will require the use of 6 watershed protection elements, one of which calls for minimizing impervious surfaces. The others will indirectly support it. The Planning and zoning code will provide alternatives for site design that minimize impervious surfaces.

19.p. If you choose mitigation/payment in lieu for those projects that cannot implement the one inch runoff reduction requirements, please provide a time frame for creating an inventory of appropriate mitigation projects, and your process to develop standards to value, evaluate, and track transactions.

Yes, the Town ordinance will include the Fee in Lieu of Stormwater Management Practices. The Town will develop an inventory of projects within one year of program approval. The program will proceed as developed by the DEP to value, evaluate and track.

Part II.C.b.5.ii.B. (1)

19.q. Describe the planning process for new development and redevelopment projects in your MS4.

The plan review process consists of an initial review of concept between the Town and the designer to discuss the design concept, Ordinance and MS4 design standards. After the initial conceptual review, the designer will complete full plans, including Erosion and Sediment Control Plans, Storm Water Management, etc. The designer (professional engineer) must sign and seal plans, verifying that they meet all policy requirements and submit plans to the Town's for further review, changes and updates as needed to comply with the MS4 Permit.

The Town of Fayetteville has a zoning ordinance in place. This ordinance controls the type of development that is allowed in different areas within the corporate limits of Fayetteville. All new or re-developments are required apply for building permits to the Town. New ordinances for Erosion and Sediment Control, Illicit Discharge, and Permanent Storm Water will be drafted as a result of the Storm Water Management Program.

Part II.C.b.5.ii.B(2)&(3)

19.r. Describe your plan review and approval process for new development and redevelopment projects.

All new developments resulting in one acre of disturbance or more will be required to submit stormwater management and comprehensive drainage plans. The plan submission and review process shall be coordinated with and integrated into the Town's planning and permitting process.

In addition, the stormwater management ordinance will require that as-built drawings depicting all impervious areas are submitted to the Town within three (3) months of substantial project completion, which will be reviewed to verify whether the constructed storm water measures are

sufficient. Staff and/or the Town's third party reviewer will be educated on the new stormwater management procedures and applications prior to full implementation.

The plan review process shall consist of an initial review of concept between the Town and the designer. Incorporated in the planning and grading permit process.

1. Preliminary design meeting – designer and Town review consultant are present
2. Plans are submitted to the Town Permitting
3. Review for compliance is done
4. Designer addresses comments, review and update to the plans and resubmits to Town
5. Further review by Town
6. Town recommends approval if design complies with the MS4 Program
7. MS4 Program Director recommends approval
8. Approval of permit by the Town Planning and Zoning

Tip: Plan review, approval and enforcement processes include:

- a. Procedures for review and approval of a pre-application concept plan
- b. Procedures for site plan review and approval
- c. Submittal of as-built drawings
- d. Post construction verification
- e. An educational program targeting internal staff and external project proponents about the stormwater management requirements.

Part II.C.b.5.ii.C

19.s. Describe your maintenance procedures for structural stormwater control practices including a detailed discussion about maintenance agreements & your ability to enforce them.

Within the stormwater and drainage plans, the developer will be required to submit an "Operation and Maintenance Manual" for private stormwater controls. Maintenance on private storm water controls are bound by signed maintenance agreement and schedule. The ordinance will reflect the requirements on private stormwater controls and maintenance agreements. In the event that maintenance is not performed on the private stormwater controls and they become dysfunctional, the private system will be considered an illicit discharge and the Town will have full ability to enforce corrective action.

Part II.C.b.5.ii.D

19.t. Describe your method of inventory and tracking of stormwater control practices for this MCM.

As development plans are reviewed and approved, the stormwater management practices will be entered into the Town's database. The type of practice, location, photographs, maintenance requirements, and inspection logs will all be kept within the Town's MS4 documentation and included in the annual report

Tip: The tracking system should accommodate: Source control practices, treatment practices, GIS locations, digital photographs, maintenance requirements, and inspection data.

Part II.C.b.5.ii.E

19.u. Describe your inspection protocol for ensuring stormwater control BMPs/practices function as designed and constructed: How many per year? How often?

At a minimum, the Town will inspect each stormwater control BMP facility once per permit cycle.

Part II.C.b.5.b.

19.v. Does your MS4 have requirements for street design, parking, and parking lots? If so, which departments regulate this?

Yes, the Building Official, with the cooperation of the Fire Chief and the Chief of Police. (1973 Code §5-1)."

Schedule

Part II.C.b.5

19.w. Describe how and when you will implement each component of this minimum control measure. Include mid-point and full implementation dates for Ordinance revisions, implementation of plan review and approval, inspection and enforcement procedures, and for developing/acquiring and using a tracking system.

- *Ordinance: The ordinance is reviewed annually by the MS4 Program Coordinator and Council*
- *Plan Review: annually and as they are submitted.*
- *Tracking controls: addition of controls to the tracking system as they are submitted.*
- *Inventory of structural stormwater controls within one year and include them in the map database*
- *Inspection of structural BMPs once per permit cycle, and annual tracking.*

Measurable Goals

Part IV.A

19.x. List and describe your measurable goals for this MCM.

- *Number of the ordinance review*
- *Number of plans reviewed*
- *Number of tracked stormwater control BMPs:*

- *Number of inventoried structural stormwater controls included in the map database*
- *Number of inspections to structural BMPs*

Evaluation

Part II.B.7

19.y. Describe how you plan to gauge the effectiveness of your program for this MCM.

- *Reviewing the Ordinance*
- *Review of the plans*
- *Tracking the number of swm control BMPs entered in the system.*
- *Inventoried the structural stormwater controls and include them in the map database*
- *Inspecting the structural BMP.*

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Pollution Prevention/Good Housekeeping for Municipal Operations- MCM #6

Part II.C.b.6

Responsible Person(s):

Identify the responsible person(s) for implementing this MCM. There may be more than one person or different departments responsible for various projects. If so, discuss.

- 20.a. Name: *Mark Reed*
- 20.b. Title: *Street Department Foreman*
- 20.c. Department: *Street Department*
- 20.d. Address: *151 Lively Street*
- 20.e. Phone number: *304-640-2550*
- 20.f. Email address: *fvilleshop@suddenlinkmail.com*

- 20.g. Is another entity sharing responsibility for this MCM? If so, who? *No.*

Control Objectives & BMPs

- 20.h. State your overall objective for this MCM.
Prevent or reduce pollution form municipal operations.

- 20.i. State and describe your BMPs. Indicate if any BMPs are part of your existing program.
 - 1) *Training: The Town will conduct annual staff training on proper pollution prevention, spill procedures, and good housekeeping for municipal operations.*
 - 2) *Pollution Prevention Plan: The Town will develop a comprehensive pollution prevention plan for use in daily municipal operations.*
 - 3) *Inspections: The Town will inspect their facilities following the O&M procedure the Town is developing, log the inspections and train staff on inspection procedures. Inspections will take place bi-annually.*

MCM Components

Part II.C.b.6

- 20.j. List the municipal facilities and their locations owned by your MS4.

*Public Works Garage-
Recycle Center- Recycling Way*

Tip: List municipally owned or operated facilities that would reasonably be expected to discharge contaminated runoff and are not covered under a NPDES permit. For example; vehicle maintenance garages, vehicle fueling centers, waste transfer operations, golf courses, recreation areas with fertilizer or herbicide storage, salt or other materials storage, municipal construction activities, waste water treatment plant, potable drinking water treatment plant or open landfills.

Part II.C.b.6.a

20.k. Briefly describe your operation and maintenance program for each municipal facility.

- *The Public works facility houses and maintains:*
 - *Vehicles, salt storage and applications stores equipment and materials*
- *Recycle Center- Recycling Way – houses and maintains recycling applications*

Operation and Maintenance Program:

- *The facilities listed have typical O&M practices that are widely known and utilized however; these practices are not currently documented. The facilities are currently in the process of formalizing the O&M procedures. This documentation will be completed as a part of the ongoing maintenance of this stormwater management program.*

Part II.C.b.6.a

20.l. Does each site have a pollution prevention plan? Is there a spill response plan included in the pollution prevention plan? If not, provide a time frame for developing pollution prevention plans at all MS4 owned municipal facilities, including mid-point and full completion dates.

No.

- *The pollution prevention plan will be formally drafted in conjunction with the O&M document that is currently under development. The facilities do have standard procedures for spill response and general operations and maintenance procedures for pollution prevention. All documents will be implemented by July 2017.*
- *The spill response can be found on the site.*

Part II.C.b.6.b

20.m. Have you identified all the lands owned or operated by your MS4? (Such as parks, road right-of-ways, maintenance yards, and water/sewer/stormwater infrastructure.)

Yes

Part II.C.b.6.b

20.n. Describe your overall pollution control approach policy and procedures for these lands.

For parks, procedures are followed for:

1. *Application of fertilizers, pesticides, and herbicides; including nutrient management and*

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- integrated pest management*
2. *sediment and erosion control*
 3. *landscape maintenance and vegetation disposal*
 4. *trash management*
 5. *cleaning and maintenance of building exteriors*
 6. *chemical and material storage*
 7. *street sweeping*

For right of ways, procedures are followed for:

1. *sediment and erosion control*
2. *landscape maintenance and vegetation disposal*
3. *trash management*

For water/sewer/stormwater infrastructures, procedures are followed for:

1. *cleaning of inlets/catch basins*
2. *nutrient management and integrated pest management*
3. *sediment and erosion control*
4. *landscape maintenance and vegetation disposal*
5. *trash management*
6. *cleaning and maintenance of building exteriors*
7. *chemical and material storage*

Tip: Your policy and procedures plan should address fertilizers, pesticides, and herbicides; sediment and erosion control; landscape maintenance and vegetation disposal; trash management; cleaning and maintenance of building exteriors; chemical and material storage; street sweeping & cleaning of inlets/catch basins.

Part II.C.b.6.c

20.o. Describe your training program including your target employees, and how often training occurs.

- *Target employees: The training program is targeted for “public works” employees as well as other municipal staff (employees responsible for program coordination, reporting, and outdoor maintenance such as but not limited to landscaping, road maintenance, etc.).*
- *Training Schedule: will occur once annually and may be combined with training for illicit discharges and erosion and sediment controls. The Town will use information available from the DEP and EPA websites to conduct training. Training Aids may consist of literature, video, demonstration, etc.*

20.p. For any industrial facilities owned or operated by your MS4, list each facilities registration number under the WV NPDES General Permit for Storm Water Discharges Associated with Industrial Activities or the individual WV NPDES permit number. If your industrial facilities are not covered under another NPDES permit, you will be prompted to provide additional information below.

The following permits will be transferred into the City MS4:

The Town of Fayetteville Salt Storage Area is covered under a separate permit – WVG611451

The Town of Fayetteville Recycling Center is covered under a separate permit – WVG611477

The Fayetteville Mausoleum is covered under a separate permit – WVR102661.

Schedule

Part II.C.b.6

20.q. Describe how and when you will implement each component of your program for this minimum control measure. Include mid-point and full implementation dates.

- 1) *Training: Town employees will be trained annually in proper pollution prevention, spill procedures, record keeping, and good housekeeping for municipal operations.*
- 2) *Pollution Prevention Plan: The Town will develop a comprehensive pollution prevention plan for use in daily municipal operations. The Town will approve the SWPPP, develop an O&M procedure and spill procedure plan for use in daily municipal operations. The O&M document will be completed by July 2017.*
- 3) *Inspections: The Town will inspect their facilities following the O&M procedure the Town is developing, log the inspections and train staff on inspection procedures. Inspections will take place bi-annually.*

Part II.C.b.6

20.r. Describe the inspection schedule for ensuring municipal facilities are in compliance with pollution prevention plans.

The Public Works Garage/Salt Storage, and Recycling Center will conduct an annual walk through inspection of the site to make sure the facility is in compliance with the plan. Anything found not in compliance shall be repaired as soon as possible. The town will review the O&M Document annually.

Measurable Goals

Part IV.A

20.s. List and fully describe your measurable goals for this MCM.

- *SWPPP: Development of a SWPPP Operations and Maintenance document, and review/update annually thereafter.*
- *Training: annual spill procedure training for the staff*
- *Inspections: annual performance of maintenance inspections*

Tracking

Part II.B.7 & Part II.C.b.6.a.iii

20.t. Describe your plan for record keeping and tracking of facilities, employee training, pollution prevention plans, and inspections for this MCM.

- *Through the annual revision of the “SWPPPs,” the O&M documents and spill procedures.*
- *Training: An attendance form will be developed to be used with each training session conducted. Minutes of training sessions will be maintained.*
- *Inspections: Logs will be kept for annual inspections, and all maintenance activities that take place.*

Evaluation

Part II.B.7

20.u. Explain how you plan to gauge the effectiveness of your good housekeeping/ municipal operations program efforts?

- *Through the adoption of “SWPPPs” for each facility, the development of the O&M documents and spill procedures.*
- *The number of training sessions and trained staff.*
- *Inspections: number of inspections, recording of maintenance activities and the implementation of other BMP’s for public works facilities maintenance areas, and the number of actions taken throughout the year for spill events.*

Industrial Stormwater Coverage for Municipal Operations

If your facility/s discharges stormwater from any industrial operation that is not covered under another NPDES permit, you must now obtain coverage for those discharges.

20.v. For each facility, provide the name and contact information of the operator if applicable.
Public Works (garage and salt storage) Mark Reed (Street Dept. Foreman) (304) 640-2550
Recycle Center Sherman Smith (304)-574-0917


20.w. For each outlet, list the latitude and longitude to the nearest second and the River Mile Point (if known).

Outlet Number	Longitude			Latitude			River Mile
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
<i>Public works/Salt Storage (Coordinates listed from prior NPDES # WVG611451)</i>	81	6	39.4	38	3	14.7	
<i>Recycling Center (Coordinates listed from prior NPDES # WVG611477)</i>	81	5	13.8	38	2	41	




Public Works

The existing public works facilities include the public works building, the garage, salt storage, recycling center, and a separate storage area at the location of the Huse cemetery.

The public works is a re-purposed water treatment plant. It is used for storage of equipment. No fuel or chemicals are stored inside and there are no floor drains inside. 

The recycling center has a storm drain in the driveway that discharges on the ground as well. This outfall, WVG61147 is tested under the current permit. The testing location for the current permit will be transferred to the Town MS4.

The two facilities contain gated access off of Tank Hill Road, which also serves as access to a public residence that is located between the two municipal facilities. There are no storm drains located inside the public works building, however, there is one storm drain located next to the new salt storage building. The outfall from this drain is tested at the discharge location behind the new salt storage building. 





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Salt Storage Building

The salt storage is kept under roof, enclosed on all sides with access from a rollup garage door.

Enclosed salt storage building.

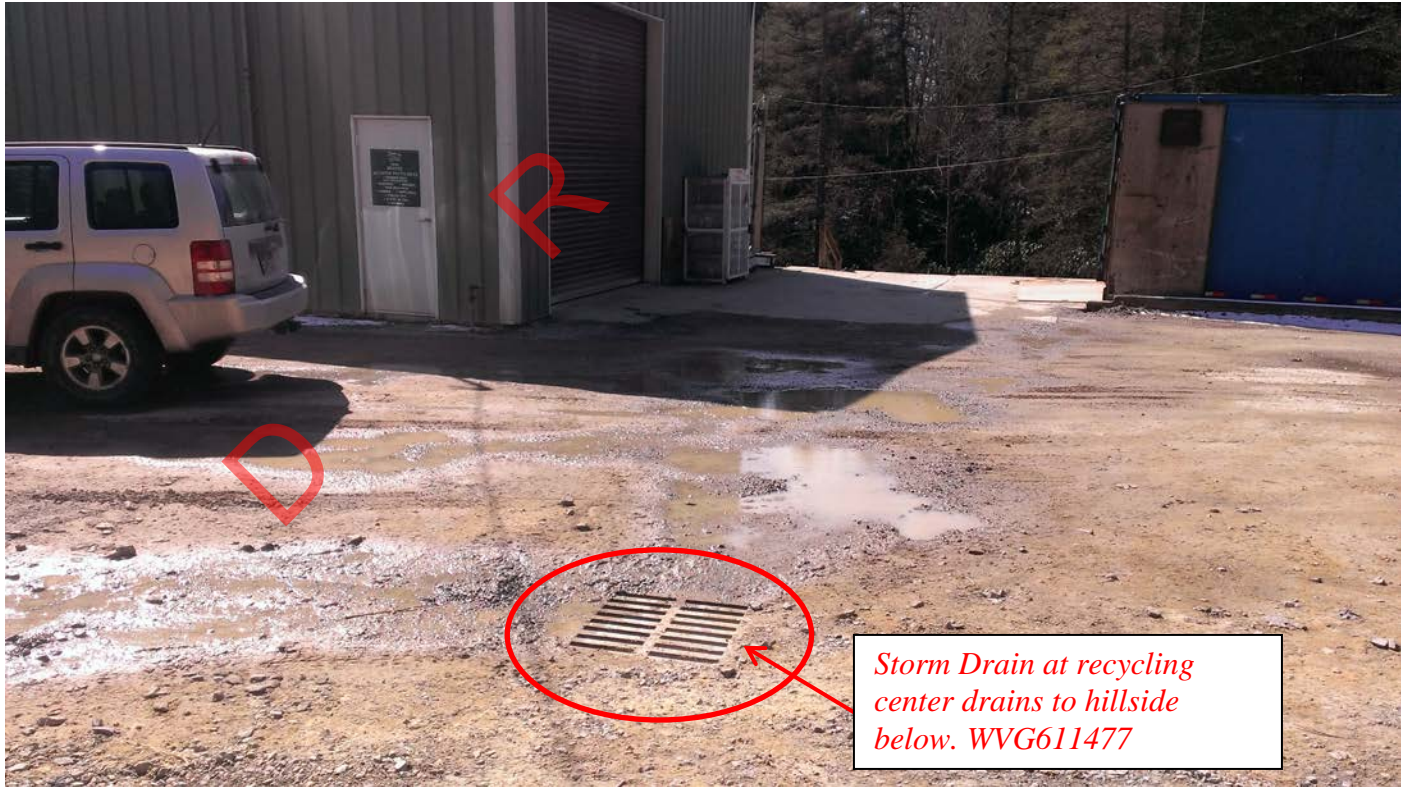


Enclosed salt storage building - Inside



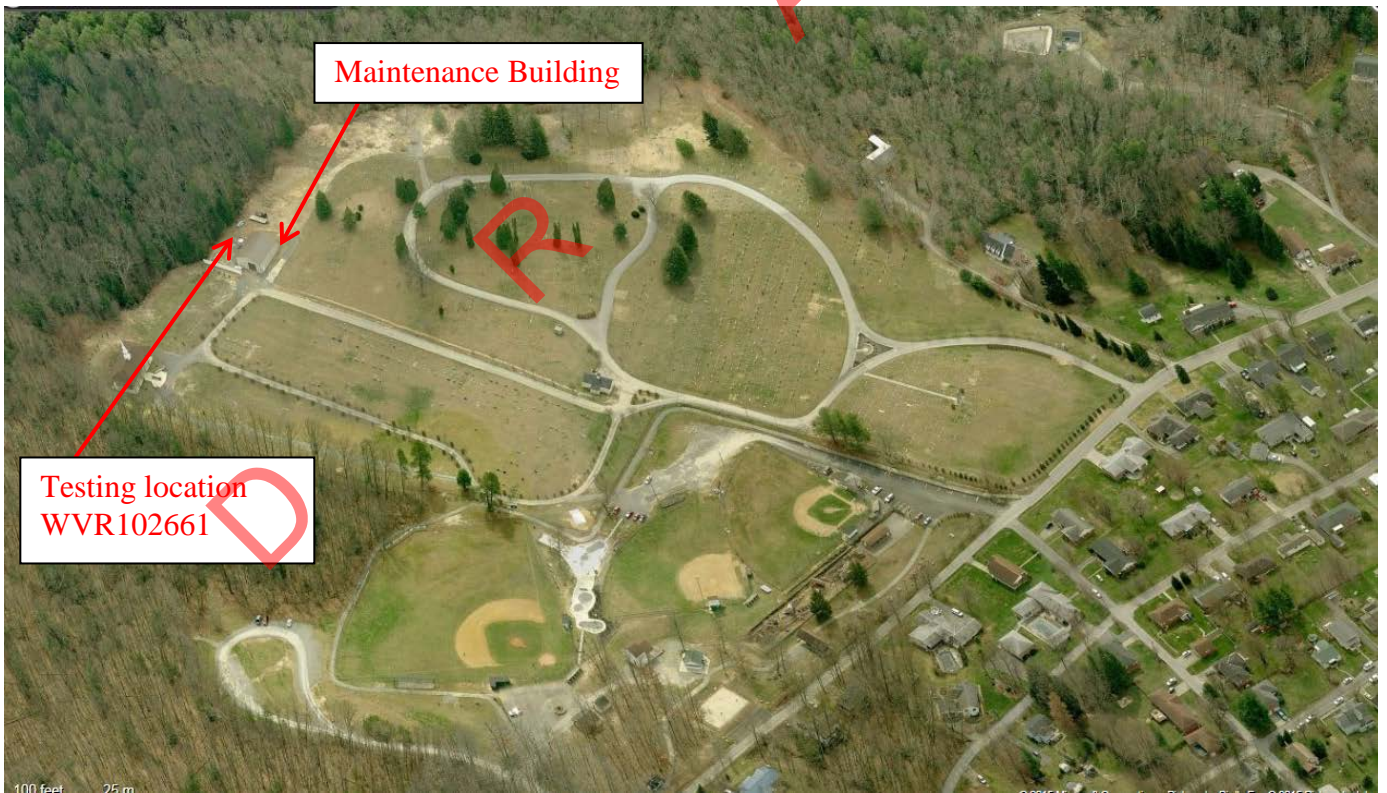


Recycling Center



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Vehicle shop, storage area.



The public works/salt storage facility also keeps a small amount of gravel stored outside.



Miscellaneous equipment is stored under roof.



R

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Public Works – Huse Cemetery location

*Outdoor storage at Cemetery Maintenance Building:
Headstones, block, and other hardscape are stored outside as wells as hardwood mulch.*



Block and pipe stored at the Cemetery site.



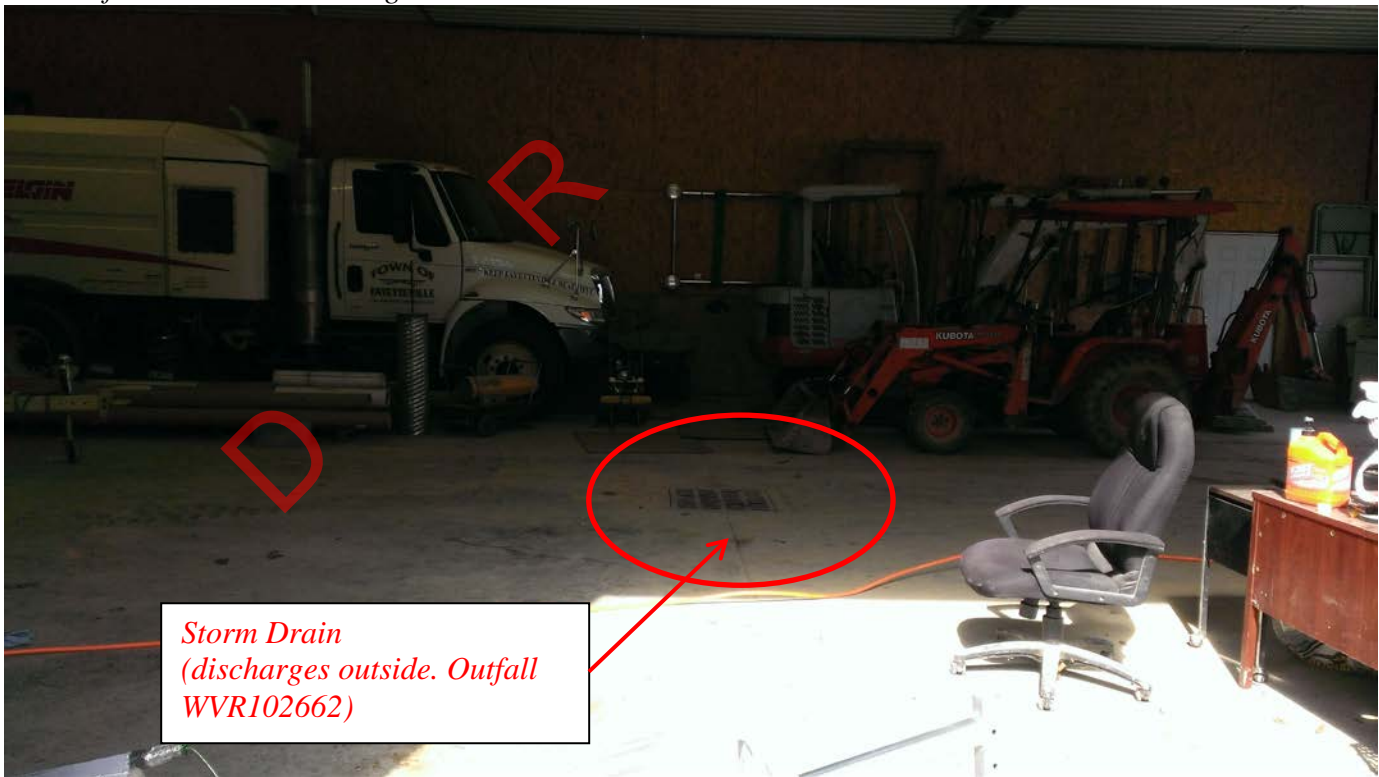
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Cemetery Maintenance Building



Inside of maintenance building.



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- 20.x. List the Standard Industrial Classification (SIC) Code designated for your facility/s.
Public Works – 417
- 20.y. List the nature of activity at the industrial facility.
Recycle Center – recycled items storage.
Public Works/Salt Storage – town vehicle maintenance, storage, and salt storage.
- 20.z. Is there a wet pond at your facility that collects runoff from areas on which industrial activities occur? If so, how many acres drain into it?
No
- 20.aa. Is there a dry pond at your facility that collects runoff from areas on which industrial activities occur? If so, how many acres drain into it?
No
- 20.bb. Do any of your storm water outlets discharge through an oil water separator? If yes, provide the outlet numbers.
No

Based on your responses to this section, a Discharge Monitoring Report may be issued.

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