State of Maryland MS4 Annual Report

July 1, 2020 - June 30, 2021

Prepared for

Town of Emmitsburg, Frederick County



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Town of Emmitsburg

Town Responses to MDE MS4 General Permit Progress Report Dated March 19, 2021

Re: Permit Term July 1, 2019 through June 30, 2020

- 1. The Town of Emmitsburg submitted a completed Progress Report Form and included a signature for the appropriate responsible personnel and contact information. This information is required to be updated annually.
 - Town Response: Acknowledged.
- 2. The next Progress Report is due on October 31, 2021 and must include updates to the impervious area restoration program and responses to comments outlined below.
 - Town Response: Acknowledged.
- 3. Please check the Department's website for available resources related to MS4 program development and guidance for compliance with permit requirements.
 - Town Response: Acknowledged.
- 4. The Town calculated an impervious area restoration target of 20 acres using acceptable methods outlined in the permit.
 - Town Response: Acknowledged
- 5. The Town has provided a Work Plan that sets reasonable goals for attaining the restoration target. Please consider investing in vacuum assisted street sweepers for enhanced credit. Existing data on mechanical sweepers suggest these practices are less efficient. This may impact credits for this practice under future permits.
 - **Town Response:** Acknowledged. The Town plans on investing in vacuum assisted street sweeping starting in the next permit term 2023-2028.
- 6. The Town also submitted a Restoration Activity Schedule (RAS) that includes a list of projects planned to address the restoration target. Please address the following comments in the 2021 Progress Report:
 - Thank you for submitting the RAS as a Microsoft excel spreadsheet file. Please continue to submit in this format in future reports.
 - **Town Response** Acknowledged.
 - When restoration projects are complete, please include BMP IDs that match the IDs noted in the Town's (and County's) database. If alternative BMPs such as street sweeping and storm drain vacuuming are not reported in the County's database, then the Town should create its own unique code to identify these BMPs. The Department suggests a BMP ID such as FREM19BMP0001 may be useful for this purpose.
 - o **Town Response** Acknowledged and corrected on the BMP database.
 - Mechanical street sweeping and catch basin cleaning are BMPs that can only be
 used for a one-time credit. These operations must be maintained each year in
 order to maintain the credit. Any future street sweeping or catch basin cleaning
 credits must be associated with operations that are over and above current actions.

- o Town Response Acknowledged and corrected.
- Street sweeping operations should be performed two times per month or may be subject to a reduced credit. Please provide more information on the acres swept to determine the appropriate credit.
 - **Town Response** The Town will invest in vacuum sweeping in the next permit term 2023 2028. The BMP database has been updated. At this point the Town does not have the staffing to sweep streets 2x per month.
- The Town may need to assess additional options for restoration credit. The rain barrel program may allow the Town to achieve the remaining restoration target. However, this program should include agreements related to maintenance and tracking associated with residential credits.
 - **Town Response** Acknowledged.
- 7. Please address the following comments on the BMP database:
 - Table B.1.c. needs to be completed for all alternative BMPs implemented by the Town. The data for street sweeping and storm drain vacuuming also needs to be included in Table B.1.c. Specifically, acres swept for street sweeping must be provided.
 - o **Town Response:** Table B.1.c. has been updated.
 - As noted above, the Town should use its own distinct BMP identifying code (i.e. FREM19BMP0001) for any BMP that is not reported by Frederick County. This will likely be the case for most alternative BMPs and certain structural or environmental site design practices that are implemented for restoration that might be exempt from the County plan review and approval process.
 - o **Town Response:** Each BMP now has its own distinct BMP identifying code.
 - The Department appreciates the Town's effort to incorporate the County data into the format required under the general permit. Please ensure that the BMP ID noted in the database submitted by the Town matches the same BMP_ID used by the County. This will ensure that only one BMP ID is reported for each individual BMP.
 - **Town Response:** All BMP ID's noted in the database now match the County's database.
- 8. The Town has developed numerous educational materials available at the Town office, the website, and the newsletter distributed through quarterly water and sewer bills.
 - **Town Response** Acknowledged.

- 9. The Town has a process for reporting and investigating potential pollution sources. Several examples were provided in the report.
 - Town Response: Acknowledged.
- 10. The Town shall continue to implement this program and provide an update on the progress in the year 4 Progress Report due on October 31, 2022.
 - Town Response: Acknowledged.
- 11. The Town has hosted events for a rain barrel workshop, storm drain markers, and a virtual Silo Hill stormwater restoration meeting to inform residents of upcoming restoration efforts to comply with the permit.
 - Town Response: Acknowledged.
- 12. A total of 15 participants, including four town staff participated in public participation events in the reporting period.
 - **Town Response:** Acknowledged.
- 13. The Town shall continue to implement this program and provide an update on progress in the year 4 Progress Report due on October 31, 2022.
 - **Town Response:** Acknowledged.
- 14. The Town submitted a map of the MS4 that included inlets, manholes, open channels/swales, storm drain lines, and outfalls. The Town should include the location of stormwater management BMPs in updated maps.
 - **Town Response:** The IDDE Manual has been updated to now includes the location of stormwater management BMPs. See page 23.
- 15. The Town included a link to the illicit discharge ordinance in the progress report.
 - Town Response: Acknowledged.
- 16. The Town submitted acceptable standard operating procedures (SOP) for the IDDE program that identify areas prioritized for screening.
 - Town Response: Acknowledged.
- 17. The Town has determined that 22 outfalls are required to be screened for dry weather flows annually and met this requirement by performing screening for 38 outfalls during the reporting period. Dry weather flows were not observed during these inspections.
 - Town Response: Acknowledged.
- 18. The Town maintains IDDE inspection records that are available to the department upon request. Examples of screening inspections were included in the Progress Report.
 - **Town Response:** Acknowledged.

- 19. The Town included enforcement letters to owners of outfalls that need maintenance or corrective actions. The Town is commended for pursuing enforcement authority related to illicit discharge concerns.
 - **Town Response:** Acknowledged.
- 20. The Town shall continue to implement this program and provide an update on process in the year 4 Progress Report due on October 31, 2022.
 - Town Response: Acknowledged.
- 21. The Frederick Soil Conservation District performs erosion and sediment control plan review and approval, and Frederick County performs construction inspections and enforcement for the Town.
 - Town Response: Acknowledged.
- 22. The Town has an acceptable process for receiving, investigating, and resolving complaints related to erosion and sediment control during construction activities.
 - Town Response: Acknowledged.
- 23. The Town included information related to active construction projects and grading permits issued by Frederick County. This information is included in the County's MS4 reports and is not required to be reported by the Town. The Town and County should continue to share data and communicate as needed to effectively address any concerns associated with ongoing construction activities.
 - Town Response: Acknowledged.
- 24. The Town has 12 staff members trained in the Department's Responsible Personnel Certification training available online.
 - Town Response: Acknowledged.
- 25. The Town shall continue to implement this program and provide an update on process in the year 4 Progress Report due on October 31, 2022.
 - **Town Response:** Acknowledged.
- 26. The Town has a memorandum of understanding (MOU) with Frederick County to perform plan review and approval for all new and redevelopment projects, construction and post construction inspections, and tract program activities.
 - Town Response: Acknowledged.
- 27. The Town should clarify that the six triennial inspections were performed by the County. Please provide more information on this process.
 - **Town Response:** This information is included in the County's MS4 reports and is not required to be reported by the Town.

- 28. The Town owns two BMPs and it is in the process of creating a maintenance log for these practices. The Town spent over \$7,000 for maintenance and repair of a dewatering device and routine maintenance. Please provide updated information in future reports.
 - Town Response: Acknowledged.
- 29. The Town shall continue to implement this program and provide an update on progress in the year 4 Progress Report due on October 31, 2022.
 - Town Response: Acknowledged.
- 30. The Town has developed educational materials to train a total of 15 staff members on activities associated with the MS4 program.
 - Town Response: Acknowledged.
- 31. The Town implements good housekeeping plans at municipal facilities and maintains inspection records available for the Department's onsite review.
 - Town Response: Acknowledged.
- 32. The Town shall continue to implement this program and provide an update on progress in the year 4 Progress Report due on October 31, 2022.
 - **Town Response:** Acknowledged.
- 33. The Town reported the total cost for implementation programs at this time includes:
 - Public Education and Outreach estimate \$4,453 to date
 - Public Involvement and Participation estimate \$3,485 to date
 - IDDE estimate \$3,242 over permit term
 - Construction Site Stormwater Runoff Control estimate is currently unavailable
 - Post Construction Stormwater Management estimate \$7,498 to date
 - Pollution Prevention and Good Housekeeping estimate is currently unavailable
 - Impervious Area Restoration Program estimate \$274,000 during the reporting period.
 - **Town Response** Acknowledged. The IDDE is \$3,242 per year.



Town of Emmitsburg

Minimum Control Measure #1

Public Education and Outreach Program

Minimum Control Measure (MCM) #1 Public Education and Outreach

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Public Education Outreach Plan is to implement and maintain a public education and outreach program and distribute educational materials to the Town's target audience in order to help reduce the discharge of pollutants caused by stormwater runoff.

Stormwater Management Best Management Practices (BMP) 1.1 - Public Hotline

- **Requirement:** Develop a process by which the public can report water quality complaints that must include a phone number.
- Action Plan: The Town has added a stormwater management page to their website, which can be located at http://www.emmitsburgmd.gov/planning_and_zoning/stormwater_mgmt_ms4.php. Material on how to report illicit discharges and contact information is provided. All stormwater related complaints are directed to the Town Planner. Also available on that page are links to the Stormwater Annual Progress Reports and other educational and environmental information. Pictures of the website page can be found in Section BMP 2.4 Public Access.
- No storm water quality complaints were received in the current permit term.

BMP 1.2 – Target Audience

- *Requirement:* Determine the target audience within the jurisdiction and develop materials to educate the audience on the impact of stormwater.
- Action Plan: The Town has identified residents, homeowner associations, elected officials, and municipal employees as the target audience groups. Educational materials can be found in section BMP 1.3.

BMP 1.3 – Distribution of Educational Materials

- **Requirement:** Distribute stormwater educational materials through newsletters, website, or other appropriate methods.
- *Action Plan*: Materials to educate the identified audience are distributed at the Town Office, website, cable channel 99 (local government channel), Facebook, YouTube, and through the Town's newsletter that is attached to quarterly water and sewer bills.

<u>Town Newsletter:</u> The Town included the "Storm Drain Marking" educational brochure in the December 2020 water and sewer bill envelopes. A picture of this brochure can be

found on page 18 of this report.

<u>Literature Rack in the Town Office:</u> The Emmitsburg Resource Center is located in the front hallway of the Town office. The information rack can be found directly on the left when a member of the public walks in the front door (see photo). The Resource Center currently includes the following stormwater related items (among others):

- o Emmitsburg Rain Barrel Program
- O Composting: Do the Rot Thing
- O Gardening with Native Plants
- Natural Household Cleaners
- O Maintaining Your Lawn While Protecting Water Quality
- O Harvesting Rainwater Using Rain Barrels
- O Design and Construction of a Rain Garden
- Pet Waste Fact Sheet
- Only Rain in the Drain!

That this information is also located on our website.



tyer Printed on 100% Recycled Paper

EMMITSBURG GRANT

In August 2019, the Town of Emmitsburg was awarded a \$5,000.00 grant from the Chesapeake Bay Trust. The grant funding will be used to start a rain barrel program in order to teach the community about storm water runoff's direct connection to the health of local streams, ponds, lakes, and the Chesapeake Bay. The partnership formed by the Town and Chesapeake Bay Trust will allow us to subsidize 50 percent of the cost of rain barrels and also hold two educational workshops.

A complete rain barrel system is only \$40.00! This system includes a premade terra cotta colored 55/60gallon barrel, overflow hose, and spigot. Only one rain barrel per household until March 1, 2020.

WHY IS STORM WATER RUNOFF A PROBLEM?

Impervious surfaces like roofs, parking lots, and roadways act as funnels, turning life-giving rain into damaging storm water runoff. As it flows, storm water picks up pollutants, including fertilizer, chemicals, gasoline, and silt, and dumps them into streams, rivers, and the Chesapeake Bay. Storm water is also responsible for erosion and the resulting loss of habitat for plants, aquatic life, and animals.



THE CHESAPEAKE **BAY TRUST**

The Chesapeake Bay Trust is a nonprofit grant-making organization dedicated to improving the watersheds of the Chesapeake Bay. Created in 1985 by the Maryland General Assembly, their goal is to increase stewardship through grant programs, special initiatives, and partnerships that support K-12 environmental education, on-the ground watershed restoration, community engagement, and the underlying science of these three realms. Through their grants, the Trust engages hundreds of thousands of students and volunteers in projects that have a measurable impact on the natural resources of our region. Their goal is simple: they believe that getting residents involved is key to restoring the Chesapeake

BENEFITS OF **RAIN BARRELS**

- Using a rain barrel can save you money! They are a cost-effective alternative to using tap water for watering yards and gardens.
- Treated water that flows from your hose can have salts and chemicals that are tough on plants. Rainwater has nutrients and minerals that your garden will love.
- Reduces peak volume and velocity of storm water runoff to streams and storm sewer systems.
- Helps reduce peak water demand during summer months.

ORDER / WORKSHOP ATTENDANCE FORM

BARREL

KAIN

210

State:

- Inexpensive to install and maintain.
- Improve erosion in your yard.
- Water collected by the barrel may be used during droughts or water restrictions.
- · Since the barrels are purchased from the Scott Key Center in Frederick County, the rain barrel program benefits adults with developmental disabilities.

Fun Fact

One inch of rain falling on 1,000 square feet yields approximately 623 gallons of water!



Town of Emmitsburg Rain Barrel Program



be made out to the Town of Emmisburg and 5 check only.

the next rain

would / would not like to be notified of

attending a workshop, # of attendees

Only 1 barrel per pr reduced rate barre Ave, Emmitsburg, MD 21727. eligible for 300A S Seton Zach Gulden, Cash or barrel. anh bed \$40.00 March to Town



Composting: Do the Rot Thing

RESOURCES:

Frederick County
Government Office of

Demonstration Center at th Frederick County Landfill

WHY COMPOST?

Composting food and yard scraps is a great way to make inexpensive, high quality fertilizer for lawn and garden. It also reduces the volume of the garbage stream entering our municipal waste facilities.

In 2001, US residents, institutions, and In 2001, US residents, institutions, and businesses produced more than 229 million tons of garbage. That amounts to about 4.4 pounds per person per day (up from 2.7 pounds per person per day in 1560)! Of this, 12.2 percent was yard trimmings and 11.4 percent was food screps. That's almost 25 percent of landfill mass that could be composted.

COMPOSTING METHODS



A simple compost bin made of cement blocks.

Adding compost to soil improves the structure, texture, and aeration. Plants grown in compost are stronger and more resistant to disease and insects and, therefore, require less insecticide. Healthy soil absorbs and filters runoff, protecting streams from erosion and pollution.

Commercially avail are easy to set up.

ossible, locate the compost pile in a partially shaded spot. Choose a site that is wenient. has easy access from the kitchen, good draimage, and available water. en building a pile, start with a brown layer (see chart on page two). Always bury d scraps in the pile or top them with another compostable material.

The ideal size for a compost bin is 1 cubic yard (3 x 3 x 3 feet). Wood bins can be made from four used shipping pallets that are tied together with wire. A fifth pallet can be used as a floor to provide better air circulation to the pile.

A wire bin can easily be made from making a circular loop out of fencing or chicken wire. Simply pick up the bin and allow the compost to fall through the open bottom. Place the bin next to its last location and fork the top of the pile into the bottom of the new location.

Tips for Green Leaders -in-FREDERICK COUNTY



Gardening with Native Plants

Why Choose Native Plants?

- Teresa Gallion, M.G., Wildlife Gardening Adventures

reresa Gallion, M.G., Willdife Gardening Adventures
From the streamside wetlands to the mountaintop forests,
thousands of plant species contribute to the
diverse ecosystems of Frederick County. They
provide wildlife with food, shelter, and places
to raise their young, and they keep our water
clean. These diverse plant communities are the
foundation of all ecosystems – including those
in your yard. Native plants established their habitats without

Native plants established their habitats without being dispersed large distances by humans. We can use this definition to casily judge what is native. Plants that were growing in the continental United States before Europeans arrived are considered native. Because native plants have been part of their habitats for so long, they are naturally adapted to the local environment and are often more disease. Johod, and drought-resistant than non-natives. You can reintroduce and conserve our native plant species by

including them in your home gardens. You will be protecting our natural resources because your garden will require fewer chemicals, less water, and less maintenance. Planted in the proper location, natives are very low-maintenance

A little research can save you a lot of trouble. Think about the

A little research can save you all of of trought. In fina sout with vast diversity of the mid-Atlantic region; coastal grasses would not survive in a woodland garden of the Catoctri Mountains. Hoose native plants that reflect the conditions of your specific area. A well drained, full sun location is perfect for the butterly-attracting dense blazing star (Liotris spicotra), while the mosture-tolerant cardinal flower (Lobelia cardinalis) will do well along the edge of a pond.

Most nurseries carry some native plants, and some nurseries specialize in native plants. Some plants will be more readily available than others will. If you have a favorite that you can't obtain, be sure to ask your local nursery to consider adding it to their stock.

About a country to the success and area is about to be developed. Even then, it is difficult to transplant wild collected plants and to obligate their sod and other growth requirements in a home garden. Plants that are grown from seed or cuttings by nurseries have a much greater tolerance for garden conditions. Help to preserve natural areas by purchasing plants that have been grown, not collected.

Non-Native Plants

Non-native, invasive, or exotic plants introduced from other parts of the world have degraded many natural ecosystems. Some of these non-native plants were brought here intentionally for their medicinal, ornamental, or food value. Others hid in soil, crop seed, or ballast water. Although many non-native plants are considered beneficial and containable, it is difficult for most gardeners to know the risks of every ornamental plant. Some introduced plants have few or on natural measures of control or competition. Invasive plants spread rapidly and out-compete native vegetation, and few species of wildlife eat them. Ecosystems impacted by invasive, non-native plants have a reduced ability to clean our air and water, stabilize the soil, and provide wildlife habitat.

Common Invasive Species of Maryland:

Shrubs: Multiflora Rose (Rosa multiflora)

Japanese Stiltgrass (Microstegium vimineum)
Common Reed (Phragmites australis)

Trees: Tree of Heaven (Allanthus altissima) Norway Maple (Acer platanoides) Autumn Olive (Elaeagnus umbellata)

Herbaceous plants: Japanese Knotweed (Polygonum cuspidatum) Garlic Mustard (Alliaria petiolata) Canada Thistle (Cirsium arvense) Bull Thistle (Cirsium vuigare)

Elements of compost

Coffee grounds and filters Tea bags Leaves

Grass Yard clippings

Lint Fresh garden trimmings, flowers, and plant leaves Barnyard manure (horse, cow, chicken) Shredded paper, cardboard, paper towels, napkins

Browns (Carbon)

Greens (Nitrogen)

Bones Sawdust from plywood, treated or painted wood Clippings recently treated with herbicides or pesticides



This attractive bin allows air to flow through the pile and easy access with a hinged door.

An equal amount of greens and browns should keep a compost pile in balance. Too many greens will produce a smelly, soggy mess, while too many browns will take a long time to decompose.

Compost piles should be as damp as a wrung-out sponge. Piles may need to be sprinkled with water occasionally during the summer. They may need to be covered with a tarp if there are extended periods of wet weather.

For quicker composting, aerate the pile every two to three we by turning with a pitchfork or poking holes in the pile with a broom handle.

Compost is ready to use when the raw materials are no longer visible. Finished compost is dark brown and has an earthy smell. The bottom of the pile may be ready before the top.

MIKRO- AND MACRO- ORGANISMS

Macroorganisms include earthworms, sow bugs, and other insects. Microorganisms include bacteria, fungi, and enzymes. These elements will come to your pile naturally as long as the pile is not located on concrete or a pa

DID YOU KNOW....







Tidbits

In 1994, President Clinton recognized the natural landscaping movement by issuing an Executive Memorandum that presented guidelines for the use of natural landscaping at federal facilities. The use of native plants around the Vice Presidential mansion is one example of how the government implemented this new mandate.



Pesticides are often wrongly applied at times when target insects are not vulnerable. Overuse and inappropriate use can kill beneficial insects and other wildlife; less than 10% of all insects and other wildlife; less than 10% of all insects are harmful to plants. Pesticides may also cause serious human health problems when handled improperly. You can decrease the use of chemicals by planting native plants, which are so well-adapted to their native ecosystems that they often do not require extra nutrients or protection from pests.

Planting drought-resistant plants in your yard reduces the amount of riationing prougnit-resistant plants in your year deduces the amount of watering required to keep the plants haltly. The U.S. Environmental Protection Agency estimates that a household can save 20-50% of their outdoor watering need by conventing to a water-efficient landscape through the use of drought-resistant plants and careful design. Many native plants are drought resistant. Consult a native plant guide to decide which plants to use.



According to the U.S. Environmental Protection Agency, Americans mow 31 million acres of lawn every year. It takes 300 million gallons of gas and 1 billion hours to complete the chore, And for this privilege they will spend \$17 billion on everything from particleds (70 million pounds) to lawn tractors. Grass clippings consume an estimated 25 to 40%, of landfill space during the course of the growing season in many U.S. suburban communities.

Resources:

Lady Bird Johnson Wildflower Center

Maryland Native Plant Society

U.S. Fish and Wildlife Service

Wild Ones - Native Plants, Native Landscapes

Audubon Society of Central Maryland

The Maryland Invasive Species Council

The Maryland Department of Natural Resource:

The University of Maryland, Home and

Planting Native Programs: **Growing Native**

Marylanders Plant Trees Program

National Wildlife Federation Backvard Wildlife

Habitat Program www.nwf.org/backyardwildlifehabitat/









Natural Household Cleaners

FOR MORE RECIPES

Internet:
- Boulder County Recycling webpage

Children's Health Environ

Los Angeles County Department of Public Works

- Books:

 Clean House, Clean Planet by Karen Logan

 The Green Kitchen Handbook by Annie Berthold-Bon

 Home Safe Home by Debra Dadd-Redalia

Household Products Database http://hod.alm.nih.gov/products.htm National Institutes of Health, National Library of Medicine Search the database for household products to find out what is in them and their potential health effects.



lemon con make powerful natural household cleaners.

Conventional cleaners are among the most dangerous chemicals are not elways listed on the labels. The Consumer Product Safety Commission regulates the labeling of products. Many cleaners contein known carcinogens (cancer-causing substances), endocrine disrupters (cause reproductive illnesses), and some emit large doses of VOCs (volatile organic compounds) that contribute to smog.

When possible, use non-toric products to clean your home. Many of these products are just as effective as their chemical counterparts, are safer to use, and less expensive. One way to ensure you are using safe cleaners is to make your own using natural ingredients

Basic ingredients include baking soda, castile soap, vinegar, and water Essential oils provide pleasant smells and may make a dirty job more

Baking Soda (sodium bicarbonate) works as a deodorizer and mild abrasive.
 It is non-toxic to humans, inexpensive, and versatile.

Castille soap removes dirt by dissolving oils that bind dirt to surfaces. Soaps made from vegetable sources are better for the environment than those made from petroleum sources; they biodegrade more quickly and come from a renewable resource.

White, distilled vinegar (acetic acid) is a powerful deodorizer that repels grease, can help prevent mold and mildew, and dissolves soap film and mineral deposits. Choose vinegar made from vegetable sources.

Borax cleans and deodorizes. It is an excellent disinfectant, and softens water. Borax can usually be found with laundry products in grocery stores.

LAWN CARE TIPS

politie waterways.

**Wessure year yard.

**Wessure yeard application rates are

**Book no not ground application rates are

**Book no 1000 square feet. Do you really know

**Book no 1000 square feet an arthermoon to

rectine on you praint or deck and vicualize

**L,000 square feet (think of a square ten paces

**By leen paces). The most common rescon why

folic one-fertilize is that they over-estimate the

size of their yeard when bruing and using lawn

care products (several regional lawn experts

now recommend that great lawn results can be

achieved with as little as 10 pounds of nitrogen

**PL000 square feet per year—secreting not

reflected in current product packaging).

**Chack the waterie forecast before your

Check the weather forecast before you fertilize or spray. If rain is expected within the next 24 hours, delay application until the next dry period.

delay application until the next dry period.

Never apply herbiddes or insectides within
5 feet of pavement.

If you must remove weeds near pavement,
simply pull them by hand. Also make sure to
mise out applications away from paved areas
too. A recent California study showed that
testhal insectidade levels is one small urban
stream were caused by a half-dozen homes
that failed to flower these simple rest. Dors'
leave Fertilizer on sidewalts or discways where
can be wastled into the naivest stream:

Be a careful consumer.

Read all product labels carefully. If the product has too many warnings on the label, consider replacing it with a safer alternative. Consider

ENWY CREC TIPS

The choices we make an maintaining our lawns can make a real difference in the health of our streams, rivers, and the Chesapeake Bay. Bead on to consider some easy face to airmiphy lown care and proint our water resources.

Keep the fertilities repeated in the grange grange this summer.

Ulties's you plan to have ilivestock granging on your lown, you surply don't need to lentilities are on the real possibilities of the property applied to leave, can extend for a beatby lown. Fertilizer in the fall, not springfirm, unique for all particulars of entitiers or their sold and the planes fertilizer and efficient from your lawn. Fertilizers and pestatices, when many containing the fall particulars of the property applied to leaves, can exter and pollute waterways.

Most blasm care product applied to leave, can exter and pollute waterways.

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How Higher and Less Frequently.

Mow Higher and Less Frequently.

You can control weeds by shading them out. Set your mover height to three inches and you will have both a healthier lawn and fever weeds. Experts caution that cutting grass too short is the second leading cause of problem lewers.

second leading cancer of problem books.

Don't Bother with Herbicides; you really can't vais.
An average and of soil contains more than 200 million weed seeds in the top sit sinkes of soil, which germante under the right moisture, light, and temperature conditions, indeed, when you turn vory grass and appear the underlying soil, about the percent of these seeds can germanate, or about 250 weeks per square from 100 millions and 100 millions and





BUILDING A CREENER LIFESTYLE FOR FREDERICK COUNTY

-Maintaining your Lawn while Protecting Water Quality-

LAWIT FACTS

The Nation According to industry estimates, there are more than 50 million acres of managed turf in the US. By comparison, the total watershed area of the Chesapeake Bay is just over 40 million acres.

Lawns that are as hard as a rock. Several studies have shown that about a third of all lawns are so highly compacted during the construction process that they have the same hydrologic properties as concrete.

The DDT Levery
Despite being binned more than 20 years ago, researchers routnely find low levels of the chemicals DDT and DDE in urban stormworter and sectiment samples in our region. The legalies of these persistent posts ricks are a sobering reminder that small actions can have long term consequences.



. Healthy Habits for Clean Water:

http://www.epa.gov/npdes/stormwater Environmental Lawn Care -

Envirocast: Weather and Watershed

Environate Weather and Watershed Newsletter.
The Grass Crop of the Chesapeake Bay Watershed
www.stormenter.com/environast/2003-05-01/environast.php

 Reducing Turf
Grow III Don't Mow It. Wild Ones Webste www.for.wild.org

TO CLEAN OR DEODORIZE... Club soda Windows and windshields Paste of baking soda, castille soap, and water Tubs, sinks, and toilet Mix 1/4 cup vinegar and baking soda. Let stand a few minutes and rinse with boiling water. Open and clean sink and tub drains Paste of baking soda and water, or toothpaste Silvenyare, candlesticks, etc. Grind ice or citrus peels in disposal. Garbage disposal Mix 1/4 cup vinegar with 1/2 gallon hot water. Ceramic tiles Sprinkle carpet with baking soda, commeal, or comstarch. Allow to sit 1/2 hour and vacuum up. Carpet Odor

ENVIRONMENTAL IMPACTS OF CONVENTIONAL CLEANERS

Phosphates are minerals that act as water softeness. They can be very effective cleaners, but also act as fertilizers. When cleaning products are washed down the drain, phosphates enter waterways and cause rapid growth of eigae, polluting the water. Many states have banned phosphates from laundy detergent and other deaning products. Automatic dishwasher detergents are usually exempt from

The key ingredient in many cleaners is the detergent themselves, called surfactants. Most surfactants are petroleum based. Petroleum sources are a limited resource and their extraction often causes pollution.

Responsible use of bleach means minimal use. If needed for disinfection, clean first with a non-toxic product and follow-up disinfection with bleach.

It is important to determine the life cycle of a product before purchase. Ask questions about the manufacturing process, packaging, shipping, performance, and resource recovery (can vive use to package?). The answers to these questions will help determine if the product is environmentally friendly.







Harvesting Rainwater using Rain Barrels

WHTER: A LIMITED MATURAL RESOURCE

in 2002, Manyland was in a severe drought. Corundwater levels dropped, stemans dired up, and the Monoracy Rever operienced record low flows. Area resolutes were faced with water restrictions and bars on outdoor use. The City of Frederick even had an emergency plan to buy water and shall it to residents if the drought continued and the City's water supplies became further reduced. Mater conservation became a top issue in the media and a frequent discussion buys con more people realized the full magnitude of our finite worts even discussion buys. A concept that sainted natorium and and a frequent discussion buys.



Hard, impervious surfaces like roofs, parting lots, and roadways act as furnels, turning life-giving rain into diamaging surmouser rurotif. As it flows, stormwater pois sur pollutaris, including bertilizer, chemicals greece, geofine, and sitt, and dumps them into streams, rivers, and the Chesapeake Bay. Stormwater is also responsible for recion and the resulting loss of habitat for plants, equatic life, and animals.

Water concension became a top tower in the media and a frequent discussion topic as more properly enable the fail and an impellular of our fields with supply. A concept that gained notice that a proper certains the fail an impellular of our fields with supply. A concept that gained notoriety during this difficult time was using a rain harmer to havest and rose animated for the most concerned, and an abundance to havest and rose animated for the supply of the gained notoriety during this difficult time was using a rain harmer to havest and rose animated for the most concerned, and the topic of the gained not one to extend and used the supply of the supp

Too much rain? Not enough? Rain barrels are a good solution in either case!

WATERWISE LANDSCAPE

RAIN BARREL PRIMER: SELECTION

The board's spigot chould be made of high-quality metal—NEVER plastic—and should be located at the bottom of the bardes of that all of the captured water can be accessed.

Rain barrie's should not be constructed using adhesives or sealarts because they will eventually fail and leat. These problems are often difficult or impossible to repair and result in a barried destined for the landfill.

RAIM BARREL PRIMER: SAFETY



Situate the barrel on a firm, level foundation. A 60-gallon rain barrel weighs at least 500 pounds when full, and poses a tipping hazard when placed on a soft, unlevel.

USAGE TIP... Elevate the barrel slightly to increase water pressure and improve access to the spigot

RAIN BARREL PRIMER: YIELD FORMULH

One inch of rain falling on 1000 square feet yields approximately 623 gallons of water!

Rain falling on a 750-square-foot section of root will fill a 60-gallon barrel with only 1/8-inch of rain.

Save treated or well water for drinking or bathing. With no dissolved minerals or chemicals, rainwater is the best water sour for plants... and it is free!

RESOURCES:

For more information, contact

Communications Staff Interstate Commission on the Potomac River Basin

Rockville, MD 20850 301-984-1908 www.potomacriver.org

any rains may cause the barrel intake to exceed overflow capacity. Monitor water level in the barrel and return the downspout to normal function when rel is full. Collected rainwater is not intended for human or animal consumption.

Make sure overflow points away from the foundation of the building to min
any risk of property damage.









Tips for Green Leaders





Design and Constuction of a Rain Garden

Rain, Rain - Soak In!



Where does the rainwater go that runs off of your root, driveway, lawn, and sidewalk? This "stommater runoff" is other conveyed to ourbe, gutters, drains, or sewers, then piped to a stormwater detention pond and gradually released into the nearest stream or lake. However, stommater was not regulated until the mid 1980%, which means that roads and buildings constructed before stormwater regulations might not have any treatment before water reaches a stream.

ground.

A novel alternative to the conventional 'pipe and pond' approach is the use of a rain garden to store and treat runoff and recharge groundwater. Rain gardens are suitable for any land user-residential, commercial, or industrial. In a rain garden are suitable for any land user-residential, commercial, or industrial. In a rain garden, rainwater from paved surfaces, downspouts, and lawns is collected in shallow, low-lying avers planted with native vegetation to be stored temporarily, absorbed by plantian, and percolated into the ground. Pollutants such as fertilitier, pesticide residue, oil, and heavy metals can be trapped by the rich soil and roct systems in the rain garden, permitting clearer water to slowly soak down through the soil and rockly subsoil until it recharges groundwater supplies.

Native plant species that can tolerate the extremes of wet soils and dry periods are preferred for use in a rain garden. They are deep-noted, adapted to the local climate, and attractive to collinators, nectar-feeders, and other widdler. Many of these native plants are sold by local nurseries, where experienced horticultural staff can help match suitable plants with your rain garden needs. You will need to consider sun exposure, soil type, soil moisture retention, and drought resistance when selecting plants.

Rain Garden Benefits A rain garden can be your personal contribution to cleaner water, healthier wildlife, and an improved environment for you and your community. Each rain garden may seem small, but collectively they produce substantial environmental benefits.

- benefits.

 Rain gardens benefit us by:

 Increasing the amount of water filtering into the ground. This reclaimes from the groundwater and helps reduce the amount of pollutants weaking off fint lakes and streams.

 Helping to sustain adequate flows in streams during dry spells;

 Providing valuable wildlife habitat;

 Enhancing the beauty of your yard and the neighborhood;

 Protecting communities from flooding and drainage problems:

 Protecting streams and lakes from damaging flows that cause bank erosion;

- Reducing the need for costly
 termwater treatment structures.

Constructing a Rain Garden

designing the garden, checking for utility lines, installing the garden, and maintenance. You might decide to do all or some of the steps yourself, or you might select a professional landscaper to help.

ise a location. There are several ways to choose a rain - Chouse a rain of the characteristic and control of the control of the characteristic and control of the characteristic and control of the control of the characteristic and constructing a garden that collects runoff from a parking lot or redirecting flow from gutter downspouts to a garden. Keep the rain garden about 10-15 feet from buildings.



Determine soll type, size, and depth, between whether your soll is cizy, silt, or sand based on its texture. For day solls in particular, you will probably want to use an amended soil in your garden constinger of \$5-000 and \$7-000 and \$7-0000 and \$7-000 and \$7-000

3.Creating a site design. Your rain garden can be any shape that you want. Use native plant guides to select plants appropriate for your garden, based on its exposure to the sun, moisture level, and soil type. Rain gardens installed in Frederick County will need to be adapted to either the Piedmont or Mountain region of the Chesapeake Bay Watershed. For a guide to plant selection by region, see the U.S. Fah & Wildlife Service's guide: www.nathveplanterten-met/guides/chespoekenathers.pdf.



. Check for utility lines and pipes. Call Miss Utility at 1-800-257-7777 at least one week prior to digging.

Install the garden. Use a hose or rope to create an outline of your rain garden. Excavate by hand or machine to your pre-determined depth and build abern using excavate soli if necessary. Fill the area with soil amendment, leaving a few inches for mulch. Remove plants from containers, bosen their roots, and plant them in the amended soil. Follow with a layer of mulch and

. Maintenance. Maintenance for rain gardens is essentially the same as that for other landscaping. Water your garden about one inch per week during dry spells. Replace soil or muich if it gets washed out by heavy rains. Trim plants, remove dead vegetation, and remove weeds if needed.

Resources:

- - . Wisconsin Department of Natural Resources tinyurl.com/y8m6r2n
 - Iowa Stormwater Partnership

Native Plant Guides:

- U.S. Fish & Wildlife Services
- esapeakenatives.pdf
 Mountain Region Guide: Piedmont Region Guide:
- BayScapes Program
 Finuiri.com/ctw7g2e







Why Scoop that Poop?



A common myth is that dog waste is as effective of a fertilizer as cow or horse manure, when it is actually more toxic.

Due to their high-protein diet, dog waste is highly acidic and can burn your grass creating brown patches

60% of America do pick up their dog waste

40% of Americans do not pick up after their dogs.

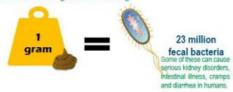
110 thousand pounds of waste are left on Frederick streets, yards, and sidewalks every year.



Sustainability@FrederickCountyMD.gov



Two or three days' worth of droppings from 100 dogs contributes enough bacteria to close a bay and its watershed areas within 20 miles to swimming and shell fishing.





EMMITSBURG GRANT

In April 2019, the Town of Emmitsburg was awarded a \$3,000.00 grant from the Chesapeake Bay Trust. The grant funding will be used to purchase supplies in order to start a storm drain-marking program. The purpose of the program is to raise public awareness that storm drains directly or indirectly connect to local water bodies that ultimately lead to the Chesapeake Bay. Our hope is that the storm drain-marking program will discourage the dumping of materials down storm drains, which will prevent pollution and improve water quality.

We thank the Chesapeake Bay Trust for their generous contribution to our Town!



THE CHESAPEAKE **BAY TRUST**

The Chesapeake Bay Trust is a nonprofit grant-making organization dedicated to improving the watersheds of the Chesapeake Bay. Created in 1985 by the Maryland General Assembly, their goal is to increase stewardship through grant programs, special initiatives, and partnerships that support K-12 environmental education, on-the ground watershed restoration, community engagement, and the underlying science of these three realms. Through their grants, the Trust engages hundreds of thousands of students and volunteers in projects that have a measurable impact on the natural resources of our region. Their goal is simple: they believe that getting residents involved is key to restoring the Chesapeake Bay. To learn how you can take action, visit www.cbtrust.org.

300A S. Seton Ave. Emmitsburg, MD 21727 Phone: 301-600-6300 Email: Info@emmitsburg.gov

Only Rain in the Drain!



Town of Emmitsburg Storm Drain Marking Program





ONLY RAIN IN THE DRAIN!

You may see volunteers in your neighborhood putting special markers on storm drains as a reminder to residents that the only thing that should go into storm drains is rainwater. Please do not pour or dispose of anything into storm drains. Remember, all storm drains in Frederick County eventually lead to the Chesapeake Bay. Please contact the Town Planner at 301-600-6309 if you wish to volunteer.

What is storm water?

Storm water runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent storm water from naturally soaking into the ground.

WHY IS STORM WATER RUNOFF A PROBLEM?

As storm water flows along streets, it picks up trash, leaves, pet waste, car fuels and other pollutants like excess lawn fertilizers and pesticides. This adds up to a lot of pollution to the Chesapeake Bay. Did you know that 110,000 pounds of dog waste are left on Frederick County streets, yards, and sidewalks every year?



DO YOUR PART TO KEEP OUR STREAMS CLEAN FOR FUTURE GENERATIONS!

You can make a difference!

- Use lawn chemicals and pesticides sparingly.
- Recycle used motor oil and paint or dispose of it at a hazardous waste site.
- Pick up pet waste, and dispose of it in the trash.
- Compost or recycle yard waste when possible.
- Repair auto leaks.
- Wash your car on the lawn with phosphate-free soap or at a commercial car wash.
- Direct downspouts away from hard surfaces.
- Never dump anything down a storm drain that you would not swim in or drink; only rain in the drain!

Flyer Printed on 100% Recycled Paper





Help protect the Town of Emmitsburg's waterways — Mark a storm drain today!

Did you know?

Unlike sanitary sewers that are treated, storm sewers discharge directly into waterways; therefore, any oil, dirt, leaves, grass clippings, pet waste, chemicals and trash on the streets, sidewalks, and parking lots drains into storm sewers and directly into our waterways.

Volunteers with the Town's storm drain marking program recently placed storm drain markers on over 100 storm drain inlets to remind everyone what they dump into the storm drains will drain into our rivers, streams, lakes, and ultimately end up in the Chesapeake Bay. Less dumping means cleaner waterways.

Why should we mark storm drains?

- Storm drain marking informs others about the connection between our streets and waterways.
- Many people may not realize water flowing into storm drains is not cleaned before it empties into a lake, stream, or river.
- Polluted runoff can harm the Town of Emmitsburg's waterways where we fish, swim, and obtain our drinking water.

Chesapeake Bay Trust

In April of 2019, the Town was awarded a \$3,000.00 grant from the Chesapeake Bay Trust (Trust) in order to start the storm drain marking program. Their generosity allowed us to purchase 360 storm drain markers (pictured above), installation materials, and 2,400 educational brochures. We thank the Trust for their contribution to our Town! More information on the Trust can be found at www.cbtrust.org.



BMP 1.4 – Annual Employee Training

- *Requirement:* Develop and implement an annual employee-training program that addresses appropriate topics to prevent or reduce the discharge of stormwater pollution into the MS4.
- Action Plan: The Town held a mandatory training session for all employees on September 15, 2020. Employees who were unable to attend the training were required to watch the recorded presentation. Mark Harman & Nate Merkel, ARRO Consulting, were our guest speakers. They discussed illicit discharge detection & elimination, pollution prevention, and good housekeeping best practices. The total cost of this training was \$128.75.









Sign-In Sheet

Town of Emmitsburg Annual Employee Stormwater Training September 15, 2020

Name – Print	Signature	Department
Zach Gilden	Zach Spelly	Planning
Amy Naill	amy Maill	Parking / Cade Enforcemen.
Ryan Keeney	The lang	Water Weste Water
Jared Browner	gml Bar	water
Darrell Lambright	Dareale Landry	Parks
David Wantz	David Wanty	Streets / Parks
Steve PISSEL	Store Truss	Building maint
Chris Wantz	Christoph A. Want	Streets/Parks
Dan Fisse C	Dan Dusal	water / haste wale
Jim Chick	In Class	DPW
COLE LABLER	(0000)	Acci
Reese Fryer	also colo	Acet
Carlyworthets	Callene Dalis	Town Maragen
0		0

Page 1 of 2

BMP 1.5 – Reporting to the Maryland Department of the Environment (MDE)

- Requirement: Describe in reports to MDE how the education programs complement and strengthen other programs of the MS4 permit.
- Action Plan: Distributing general MS4 educational materials will help educate our target population about stormwater runoff, personal behaviors to reduce runoff pollution, volunteer opportunities, illicit discharge detection, and understanding of the legal implications of the improper disposal of waste.

Minimum Control Measure #1 – Total Public Education and Outreach Costs

Description	Cost
September 15 th Training	\$128.75
Storm Drain Marking Brochure	\$260.25
MCM #1 TOTAL COST	\$389.00



Town of Emmitsburg

Minimum Control Measure #2

Public Involvement and Participation Program

Minimum Control Measure (MCM) #2 Public Involvement and Participation

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Public Involvement and Participation Program is to create and foster opportunities for public participation in the MS4 management program for controlling stormwater discharges.

BMP 2.1 – Target Audience

- *Requirement:* Determine the target audience within the jurisdiction to promote public involvement and participation activities.
- Action Plan: The Town has identified residents, homeowner associations, elected officials, and municipal employees as the target audience groups. Public involvement is promoted through the Town Office, Town website, YouTube, cable channel 99 (local government channel), Facebook, and through the Town's newsletter that is attached to quarterly water and sewer bills.

BMP 2.2 – Appropriate Activities

- **Requirement:** Specify activities appropriate for the target audience and promote participation.
- *Action Plan:* In the 2020/2021 reporting period, the Town was limited to our public participation events due to the COVID-19 pandemic; therefore, we promoted participation through the Town's Facebook, website, and newsletter.

BMP 2.3 – Public Participation Events

- **Requirement:** Perform at least five public participation events during the permit term (at least 1 per year) and report to MDE in accordance with reporting requirements.
- *Action Plan:* The Town held one storm drain marking event in March 2021. A local Boy Scout troop marked over 15 storm drains, in various residential neighborhoods, with medallions stating "No Dumping Drains to Bay".



March 2021 Storm Drain Marking Event

Rain Barrel Program: In September of 2019, the Town was awarded a \$5,000.00 grant from the Chesapeake Bay Trust in order to create and implement a rain barrel program. The purpose of the program is to raise public awareness that storm water pollution effects the health of the Chesapeake Bay. Our hope is that the rain barrel program will encourage water conservation, which will help prevent pollution and improve water quality. To date we have sold 96 rain barrels.

BMP 2.4 – Public Access

- **Requirement:** Provide public access to the permittee's progress reports via website or other method and consider any substantive public comments received concerning the jurisdiction's MS4 program.
- Action Plan: The Town has added a stormwater management page to our website, which
 can be located at
 http://www.emmitsburgmd.gov/planning and zoning/stormwater mgmt ms4.php. The
 page includes links to the Stormwater Annual Progress Reports and other educational and
 environmental information. No public comments have been received to date.



GOVERNMENT PUBLIC WORKS PLANNING & ZONING PARKS & REC COMMUNITY



Home

Applications & Permitting

Architectural Guidelines

Community Legacy Grants

Comprehensive Plan

Community Development

Planning Commission

Stormwater Management





Home » Planning & Zoning » Stormwater Management - MS4









\$34,000.00 in Grand Funding Awarded

12/14/2020: The Mayor and Board of Commissioners are pleased to announce that the Town of Emmitsburg has been awarded a Watershed Assistance Grant in the amount of \$34,000.00 from the Maryland Department of Natural Resources, Maryland Department of Environment, Chesapeake Bay Program, and Chesapeake Bay Trust. This funding will be used in order to develop construction ready designs to rehabilitate the existing detention basin at the Silo Hill residential development into a vegetated infiltration basin / bioretention. Subtasks include grant administration assistance, permitting, and design. This project is necessary in order for the Town to meet its mandatory requirements under the federal Clean Water Act to improve water quality in Maryland's streams, rivers, and the Chesapeake Bay.

06/22/2020: The Mayor and Board of Commissioners are pleased to announce that the Town of Emmitsburg has been awarded a Green Streets, Green Jobs, & Green Towns grant in the amount of \$17,538.00 from the United States Environmental Protection Agency Region 2, Maryland Department of Natural Resources, and the Chesapeake Bay Trust. This funding will be used in order to create a high-performing green street conceptual plan for North Seton Avenue in Emmitsburg, Maryland. Currently, storm water sheet flows down North Seton Avenue and goes directly into Flat Run stream, which causes stream bank erosion and frequent flooding that entraps the residents of the Northgate residential development. This project will create a plan in order to greatly reduce the amount of stormwater runoff and pollution that is piped and discharged directly into local streams, protect and restore the health of local waterways, and incorporate flood hazard mitigation. A public meeting will be held later

What is MS4?

Municipal Separate Storm Sewer System (MS4) is a system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains. As stormwater runs over driveways, lawns and sidewalks it picks up debris, chemicals, dirt and other pollutants. Polluted stormwater runoff is often conveyed to MS4s and ultimately discharged into local rivers and streams without treatment. Anything that enters a storm sewer system is discharged into the water bodies we use for recreation and providing drinking water. Polluted runoff is the nation's greatest threat to clean water.



Illicit Discharges

An illicit discharge is defined as any unauthorized discharge other than clean stormwater released into the Municipal Separate Storm Sewer System (MS4). Illicit connections may be intentional or may be the result of connections made years ago when water quality issues were not a concern.

The types of illicit discharges vary widely with some examples being:

- · Waste oil, antifreeze, paint, trash or other household chemicals
- Car wash, laundry, and industrial wastewaters
- · Spills on roadways and other accidents
- Failing septic systems and illegal dumping practices
- Improper disposal of sewage from recreational practices such as boating or camping

Common indicators of illicit discharges include abnormal odors, strange colors, or oil sheen present around or inside storm inlets or pipes. Keeping harmful substances out of our water benefits everyone; environmentally and economically.







Listed below are the six minimum control measures that the Town must incorporate into the stormwater management program. These measures are expected to result in significant reductions of pollutants discharged into receiving water bodies.

- Public Education and Outreach An informed and knowledgeable community is crucial to the success of a stormwater management program, since it helps to ensure greater support and program compliance as the public becomes aware of individual actions they can take to protect or improve the quality of area waters.
- Public Participation/Involvement An active and involved community allows for broader public support, a broader base of expertise and a connection to other local environmental programs.
- 3. Illicit Discharge Detection and Elimination Illicit discharges are untreated discharges that could contribute high levels of pollutants, including heavy metals, toxics, oil and grease, solvents, nutrients, viruses and bacteria to receiving water bodies. The Town is required to develop, implement and enforce an illicit discharge detection and elimination program.
- 4. Construction Site Runoff Control Stormwater runoff from construction activities can have a significant impact on water quality. As stormwater flows over a construction site, it can pick up pollutants like sediment, debris, and chemicals and transport these to a nearby storm sewer system or directly to a river, lake or stream.
- 5. Post-Construction Runoff Control Increased impervious surfaces, like parking lots, driveways, and rooftops, interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process can include stream bank scouring and downstream flooding, which often lead to a loss of aquatic life and damage to property. Ordinances and other regulations are required to determine the appropriate best management practices and to ensure adequate long-term operation and maintenance of storm water controls.
- 6. Pollution Prevention/Good Housekeeping This measure involves recognizing the benefits of pollution prevention practices and includes the development and implementation of an operation and maintenance program. Reducing pollutant runoff from municipal operations into the storm sewer system can include employee training on how to incorporate pollution prevention/good housekeeping techniques into municipal operations.

Federal & State Penalties for MS4 Permit Noncompliance

- · "Duty to comply" pg. 16 of permit.
 - "The permittee must comply with all conditions of this general permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action."
 - Criminal Penalties
 - "Negligent violations... shall be punished by a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or by both."
 - "Knowing violations... shall be punished by a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or by imprisonment for not more than 3 years, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$100,000 per day of violation, or by imprisonment of not more than 6 years, or by both."
 - "Knowing endangerment...subject to a fine of not more than \$250,000 or imprisonment of not
 more than 15 years, or both. A person which is an organization shall, upon conviction of violating
 this subparagraph, be subject to a fine of not more than \$1,000,000. If a conviction of a person is
 for a violation committed after a first conviction of such person under this paragraph, the
 maximum punishment shall be doubled with respect to both fine and imprisonment."
 - Civil Penalties
 - "shall be subject to a civil penalty not to exceed \$25,000 per day for each violation."
 - · Civil Penalties
 - "Section 9-342 ... A person who violates any condition of this permit is liable to a civil penalty
 of up to \$10,000 per violation, to be collected in a civil action brought by MDE, with each day a
 violation continues being a separate violation. This section further authorizes MDE to impose
 upon any person who violates a permit condition administration civil penalties of up to \$10,000
 per violation, up to \$100,000."

- · Criminal Penalties
 - "Section 9-343 ... Any person who violates a permit condition is subject to a criminal penalty
 not exceeding \$25,000 or imprisonment not exceeding one year, or both for a first offense. For a
 second offense, it provides for a fine not exceeding \$50,000 and up to two years imprisonment."
- "Penalties Under the Clean Water Act Civil & Criminal" pg. 17.
- "Penalties under the State's Environment Article Civil & Criminal" pg. 17

Links/Additional Information

MS4 General Discharge Permit No. 13-IM-5500 - 10/31/2018 - 10/30/2023

Annual Reports

- 01/2016 12/2017
- 01/2018 10/30/2018
- 10/31/2018 10/30/2019
 - SOP Manual
 - Outfall Report & Pics (2019)
 - · Pollution Prevention Plan
 - · Baseline Impervious Assessment
 - · Impervious Area Restoration Work Plan
 - · Emmitsburg BMPs
- 10/31/2019 10/30/2020
 - Outfall Report & Photos (2020)
 - · Baseline Impervious Assessment
 - Pollution Prevention Plan
 - Illicit Discharge Detection & Elimination Plan
 - · Best Management Practices
 - · Impervious Area Restoration Activity Schedule
 - · Impervious Area Restoration Work Plan

Erosion and Sediment Control Ordinance

- . Town Code Chapter 15, Section 20.010
- Frederick County Code Chapter 1-10

Stormwater Management Ordinance

- Town Code Chapter 15, Section 21.010
- Frederick County Code Chapter 1-15.2

Educational Materials

- Emmitsburg Rain Barrel Program
- . Composting Do the Rot Thing
- . Gardening with Native Plants
- · Natural Household Cleaners
- . Maintaining Your Lawn While Protecting Water Quality
- Harvesting Rainwater Using Rain Barrels
- Design and Construction of a Rain Garden
- Pet Waste Fact Sheet

Minimum Control Measure #2 - Public Involvement and Participation Costs

Description	Cost
Rain Barrel Program 36 barrels purchased from supplier	\$1,438.44
MCM #2 TOTAL COST	\$1,438.44



Town of Emmitsburg

Minimum Control Measure #3

Illicit Discharge Detection and Elimination Plan

Minimum Control Measure (MCM) #3 Illicit Discharge Detection and Elimination Plan

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Illicit Discharge Detection and Elimination Plan is to identify and eliminate illicit storm drain system discharges. A permittee will satisfy this MCM by field screening storm drain system outfalls, inspecting the storm drain system to identify any source of an illicit discharge, eliminating any illegal connection or illicit discharge to the storm drain system, and enforcing penalties where appropriate.

BMP 3.1 – Storm Drain Infrastructure Map

- **Requirement:** Develop and maintain an updated map of the MS4 that identifies all stormwater conveyances, outfalls, stormwater best management practices (BMPs), and waters of the U.S. receiving stormwater discharges;
- *Action Plan*: The MS4 map can be found in the attached Illicit Discharge Detection & Elimination Plan (Attachment #1).

BMP 3.2 – Illicit Discharge Ordinance

- **Requirement:** Adopt an ordinance or other regulatory means that prohibits illicit discharges into the MS4.
- Action Plan: The Town adopted the County's MDE approved Stormwater Management Ordinance through Town Ordinance No. 01-18. Section 1-15.2-12.1. of the Stormwater Management Ordinance prohibits illicit discharges into the storm sewer system. Please see Section 1-15.2-12.1. attached below:

№ 1-15.2-12.1. PROHIBITED ACTIVITIES.

- (A) Illicit discharges. Except as provided in subsection (B) of this section, a person shall not discharge an illicit discharge into an MS4, nor cause or allow an illicit discharge to be introduced or discharged into an MS4.
 - (B) Exceptions. The following discharges are exempt from the prohibitions set forth in subsection (A) of this section:
- (1) Waterline flushing; landscape irrigation; diverted stream flows; rising ground waters; uncontaminated ground water infiltration to separate storm sewers; uncontaminated pumped ground water; discharges from potable water sources; foundation drains; air conditioning condensation; irrigation waters; springs; footing drains; lawn watering; individual residential car washing; flows from riparian habitats and wetlands; de-chlorinated swimming pool discharges (not including filter backwash); street wash water; and firefighting activities; or
- (2) Discharges permitted under an NPDES stormwater discharge permit or a non-stormwater discharge permitted under an NPDES discharge permit.

In the event of any questions or complaints concerning the exceptions listed in subsection (B)(1) above, the Manager may take steps to determine if they are properly managed, and if not, may require mitigation measures necessary for proper management of these discharges.

- (C) Illicit connections. A person shall not construct, use, maintain, or allow the continued existence of an illicit connection.
- (D) Interference. A person shall not take or permit any action that interferes with, or is likely to interfere with, the proper operation of an MS4, including having or maintaining a prohibited material.
- (E) Reporting to Maryland Department of the Environment (MDE). The county may report illicit connections and illicit discharges to MDE for enforcement and/or permitting in accordance with applicable law.

- **Requirement:** Establish and document legal means for gaining access to private property to investigate and eliminate illicit discharges.
- Action Plan: The Town adopted the County's MDE approved Stormwater Management Ordinance through Town Ordinance No. 01-18. Section 1-15.2.12.2 of the Stormwater Management Ordinance establishes legal means for gaining access to private property to investigate and eliminate illicit storm drain system discharges. Please see Section 1-15.2-12.2 attached below:

■§ 1-15.2-12.2. RIGHT OF ENTRY, INVESTIGATION, AND INSPECTION.

- (A) Generally. Except as provided in subsection (B) of this section, if the county becomes aware of a discharge that enters, or is capable of imminent discharge to, or to be discharged from, an MS4 or a waterbody within the county, that may be or include prohibited material, or is the result of an illicit discharge or an illicit connection, the Manager may seek access to any premises at any reasonable time for the purpose of inspecting for a violation of this article.
- (B) Consent. The Manager may enter private property to inspect for a violation of this article with the consent of the occupant or owner. If entry is refused, the Manager may request that the County Attorney seek a court order to permit entry to the property.
- (C) Investigations. The Manager may inspect, sample, examine, and investigate the source, location, and extent of any spill, discharge, the existence of any illicit connection, the existence of any prohibited material, or the condition of any BMPs. In support of any investigation under this article, the Manager may review and copy any records that will assist in determining whether there is a violation of this article, including but not limited to, records maintained pursuant to the conditions of any discharge permit or approvals given under this chapter.
- (D) Follow up inspections. To determine compliance with required abatement and mitigation measures, the Manager may conduct follow-up inspections of any premises from which the discharge or other violation may have occurred, as needed to assess the existence and extent of a violation of this article.
- (E) Threat to public health and safety. The Manager shall have the right to enter any premises where there is evidence that a violation of this article exists which poses an immediate threat to the public health and safety for the purpose of performing duties pursuant to the provisions of this article. The Manager shall produce proof of identity prior to entry, and must also provide evidence of the imminent threat to public health and safety.
- (F) Emergency repairs. If the Manager has evidence that an illicit discharge, illicit connection, or prohibited material presents an immediate threat to public health or safety, the Manager may enter the premises and make repairs in order to abate the public health or public safety hazard without prior written notice to the owner or occupant of the premises. The Manager may request that the County Attorney seek a court order assessing the costs of the abatement against the owner, tenant, licensee, or any other person causing or permitting an illicit discharge or illicit connection, or that has or is maintaining a prohibited material.

BMP 3.4 – Standard Operating Procedures (SOP)

- **Requirement:** Develop and implement written SOP.
- *Action Plan*: The SOP (Illicit Discharge Detection & Elimination Plan) is attached to this permit packet as Attachment #1.

BMP 3.5 – Submittal of SOP to MDE

- *Requirement*: Submit SOPs to MDE for review and approval.
- Action Plan: This task was completed in 2019.

BMP 3.6 – Documentation of Illicit Discharge Screening Efforts

- **Requirement:** Document results of illicit discharge screening efforts, including a description of how screening locations were prioritized and any necessary follow-up investigations, enforcement, and remediation measures implemented to address any suspected discharge. Submit to MDE in accordance with reporting requirements.
- *Action Plan*: This period's illicit discharge screening report is attached to this permit packet as Attachment #2.
- The following outfalls were inspected during this permit term:
 - 1. Outfall ID: SHR4
 - 2. Outfall ID: CMW1
 - **3. Outfall ID:** WTC1
 - **4. Outfall ID:** MTW1
 - 5. Outfall ID: CMR7
 - 6. Outfall ID: CMW2
 - 7. Outfall ID: SPH1
 - **8. Outfall ID:** WLA4

No illicit discharges were found.

BMP 3.7 – Records of the IDD&E Plan

- *Requirement*: Maintain complete records of the IDDE program investigations and make available to MDE during field reviews of the jurisdiction's MS4 program.
- *Action Plan*: This period's illicit discharge screening report is attached to this permit packet as Attachment #2.

Minimum Control Measure #3 - Illicit Discharge Detection and Elimination Costs

Description	Cost
Annual Illicit Discharge Screenings	\$3,242.00
Updates to IDDE SOP Manual	\$486.30
Updates to MS4 GIS Map	\$777.50
MCM #3 TOTAL COST	\$4,505.80



Town of Emmitsburg

Minimum Control Measure #4

Construction Site Stormwater Runoff Control Plan

Minimum Control Measure (MCM) #4 Construction Site Stormwater Runoff Control Plan

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Construction Site Stormwater Runoff Control Plan is to comply with Environment Article, Title 4, Subtitle 1, Annotated Code of Maryland and State erosion and sediment control regulations under COMAR 26.17.01. The statute and COMAR specify the requirements for any construction activity that disturbs 5,000 square feet or 100 cubic yards or more of earth movement.

BMP 4.1 – Adoption of a MDE Approved Ordinance

- **Requirement:** Adopt an MDE approved ordinance that includes a process for plan review and approval of proposed construction drawings and erosion and sediment control plans, and inspection and enforcement procedures in accordance with COMAR 26.17.01
- Action Plan: The Town of Emmitsburg relies on Frederick County for the implementation of an erosion and sediment control program. The Town adopted Frederick County's MDE approved Grading and Sediment Control Ordinance and authorized the County to administer and enforce its requirements within the Town's jurisdiction in 1977 (Ordinance 77-1). The County accepted this responsibility (Resolution No 85-20). The Frederick County's Soil Conservation District reviews and approves sediment control plans. It then enforces the sediment control as shown on the approved plan.

BMP 4.2 – Acceptance of a County Program

- **Requirement:** A municipality may accept the program that is being implemented by its respective county. Each permittee that relies on its respective county for the implementation of an erosion and sediment control program shall execute a binding agreement or resolution with said county. This agreement shall clarify respective roles of all parties related to plan review and approval, construction site inspections, and enforcement.
- *Action Plan*: The Town of Emmitsburg relies on Frederick County for the implementation of an erosion and sediment control program (Ordinance 77-1 & Resolution 85-20).

Ordinance Series: 1977

Ordinance No.: 1

AN ORDINANCE ADOPTING THE GRADING AND SEDIMENT CONTROL ORDINANCE OF FREDERICK COUNTY FOR THE TOWN OF EMMITSBURG, MARYLAND

FIRST: WHEREAS, the Burgess and Commissioners of the Town of Emmitsburg have reviewed and considered the Grading and Sediment Control Ordinance of Frederick County, Maryland effective June y, 1977.

NOW THEREFORE, it is resolved by the Burgess and the Board of Commissioners of the Town of Emmitsburg, Maryland, that the Grading and Sediment Control Ordinance of Frederick County, Maryland is hereby adopted in full force and effect in the incorporated Town of Emmitsburg and Frederick County is hereby granted authority within the Town of Emmitsburg and may fully enforce all said legal provisions.

SECOND: It is further enacted and ordered that the ordinance shall be signed, executed, published and posted in accordance with Article II of the Code of Emmitsburg, and that this ordinance shall become effective as soon as such requirements are met.

ATTEST:

Regina Rybikowsky Clerk

Regina Rybikowsky

President of the Board

of Commissioners

	7.	
(APPROVED)	yes	(VETOED)
	//	

Regina Rybikowsky
Clerk

THE EFFECTIVE DATE OF THIS RESOLUTION IS JUNE 4, 1985.

RESOLUTION NO. 85-20

Re: Sediment Control - Municipalities Adoption of County Ordinance and Administration of same by Frederick County

WHEREAS, Sections 8-1101 et.seq. Natural Resources Article of the Maryland Code provides for the delegation of the approval of grading and sediment control plans by municipalities to counties, and

WHEREAS, the municipalities of Woodsboro, Walkersville, Thurmont, Rosemont, Myersville, Brunswick and Emmitsburg have adopted Frederick County's Grading and Sediment Control Ordinance and have authorized the Board of County Commissioners by its Division of Public Works to administer the requirements and issue Grading and Sediment Control permits in the respective jurisdictions.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF FREDERICK COUNTY, MARYLAND, that the Board approves and accepts the Resolutions of Woodsboro, Walkersville, Thurmont, Rosemont, Myersville, Brunswick and Emmitsburg providing for the enforcement and administration of Grading and Sediment Control requirements by the Frederick County Division of Public Works in accordance with the provisions of the Maryland Code Article titled Natural Resources.

This Resolution was approved and adopted by the Board of County

ATTEST:

BOARD OF COUNTY COMMISSIONERS OF FREDERICK COUNTY, MARYLAND

Administrative

Galen R. Clagett

President

BMP 4.3 – Compliance with 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control & COMAR 26.17.01

- Requirement: Require compliance with requirements under 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control or most recent revision and COMAR 26.17.01.
- Action Plan: The Town of Emmitsburg relies on Frederick County to ensure compliance with the requirements under 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and COMAR 26.17.01.

BMP 4.4 – Necessary Permits Obtained

- **Requirement:** Ensure all necessary permits have been obtained, including MDE's General Permit for Stormwater Associated with Construction Activity for projects disturbing one acre or more and local sediment and erosion control plan approval.
- *Action Plan*: All permits are forwarded to the Office of Sustainability & Environmental Resources at Frederick County.

BMP 4.5 – Receiving, Investigating, and Resolving Complaints

- **Requirement:** Develop a process for receiving, investigating, and resolving complaints from any interested party related to construction activities within the jurisdiction. Notify the complainant of the investigation and findings within seven days.
- Action Plan: The Town Planner forwards all construction site stormwater runoff control complaints to the Office of Sustainability & Environmental Resources at Frederick County.

BMP 4.6 – Tracking Construction Sites

- *Requirement*: Track all active grading permits within the jurisdiction and report to MDE the disturbed areas for all active permits in accordance with reporting requirements.
- *Action Plan*: This information is included in the County's MS4 reports and is not required to be reported by the Town.

BMP 4.7 - Construction Site Inspections and Enforcement in Accordance with COMAR

- **Requirement:** Ensure that construction site inspections and enforcement procedures are performed in accordance with COMAR.
- *Action Plan*: The Town of Emmitsburg relies on Frederick County to conduct construction site inspections and enforcement.

BMP 4.8 - Prevention and Reduction of Erosion and Sediment Pollution

- **Requirement:** Use procedures within existing municipal codes to help prevent and reduce erosion and sediment pollution into waters of the State from any construction activity.
- *Action Plan*: The Town of Emmitsburg relies on Frederick County for the implementation of an erosion and sediment control program.

BMP 4.9 – Responsible Personnel Certification

- **Requirement:** Ensure staff is adequately trained on proper procedures and actions to address potential discharge of pollutants into the MS4 as a result of any construction activity.
- Action Plan: Fourteen Town employees are adequately trained on proper procedures and actions to address potential discharge of pollutants into the storm drain system as a result of any construction activity. The following employees are Certified Responsible Personnel:
 - 1. Amy Naill, Code & Parking Enforcement Officer
 - 2. Cathy Willets, Town Manager
 - 3. Zach Gulden, Town Planner
 - 4. Christopher Wantz, Public Works
 - 5. David Wantz, Public Works
 - 6. James Click, Public Works
 - 7. Kenneth Sharrer, Public Works
 - 8. Steve Fissel, Public Works
 - 9. Dan Fissel, Sewer/Water Department
 - 10. Charles Fisher, Sewer/Water Department
 - 11. Jared Brantner, Sewer/Water Department
 - 12. Therese Fryer, Accounting Department
 - 13. Madeline Shaw, Town Clerk
 - 14. Cole Tabler, Town Accountant







State of Maryland

Erosion & Sediment Control Certification Be it known that

David WANTZ

9/27/2018

Name

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC014282



State of Maryland

Erosion & Sediment Control Certification Be it known that

Amy Naill Name

12/12/2017

Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC011835



State Of Inal ylanu

Erosion & Sediment Control Certification Be it known that

Kenneth Sharrer

5/28/2019

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC016079



State of Maryland

Erosion & Sediment Control Certification

Be it known that

cathy willets

12/5/2017

Name Date Issued has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC011796



Be it known that CHRISTOPHER WANTZ

State of Maryland

Erosion & Sediment Control Certification

9/27/2018 Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC014281



State of Maryland

Erosion & Sediment Control Certification

Be it known that

Zachary Gulden

Name

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC013848



State Of Ivial ylanu

Erosion & Sediment Control Certification Be it known that

steve Fissel

5/28/2019

Date Issued

Name has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC016083



State Of Marylanu

Erosion & Sediment Control Certification

Be it known that

Dan Fissel Name

5/28/2019 Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC016077



State of Maryland

Erosion & Sediment Control Certification

Be it known that

Therese Fryer

9/16/2021 Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



No. RPC023821



State of Maryland

Erosion & Sediment Control Certification Be it known that

Madeline Shaw

9/29/2021 Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



Name

No. RPC023919



State of Maryland

Erosion & Sediment Control Certification Be it known that

Cole Tabler

9/29/2021 Date Issued

has met the requirements for certification of responsible personnel in erosion and sediment control pursuant to Environment Article §4-104.



Name

No. RPC023922



Minimum Control Measure #4 - Construction Site Stormwater Runoff Control Costs

Description	Cost
N/A	\$0.00
MCM #4 TOTAL COST	\$0.00



Town of Emmitsburg

Minimum Control Measure #5

Post Construction Stormwater Management Plan

Minimum Control Measure (MCM) #5 Post Construction Stormwater Management Plan

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Post Construction Management Plan is to maintain an acceptable stormwater management program in accordance with Environment Article, Title 4, Subtitle 2, Annotated Code of Maryland and State stormwater management regulations under COMAR 26.17.02. The Statute of and COMAR require that stormwater management shall be addressed for new development and redevelopment for any proposed project that disturbs 5,000 square feet or more.

BMP 5.1 – Adoption of an MDE Approved Ordinance

- **Requirement:** Adopt an MDE approved stormwater management ordinance that provides plan review and approval processes, and inspection and enforcement procedures that ensure proper construction and maintenance of BMPs in accordance with COMAR 26.17.02.
- Action Plan: The Town of Emmitsburg relies on Frederick County for the implementation of the stormwater management program. The Town adopted the County's MDE approved Stormwater Management Ordinance and authorized the County to administer and enforce its requirements (see attachments Ordinance No. 01-18). The County accepted this responsibility (see attachment Resolution 02-29). The County reviews, approves, and inspects stormwater management facilities. This includes the required triennial SWM facility maintenance inspections after the facility is in operation.

BMP 5.2 – Acceptance of a County Program

- Requirement: A municipality may accept an MDE approved stormwater program that is being implemented by its respective county. Each permittee relying on the county for the implementation of a stormwater management program shall execute a binding agreement or resolution with said county. The agreement shall clarify respective roles of all parties related to stormwater plan review and approval, construction and post construction inspections, routine maintenance, enforcement, and BMP tracking.
- *Action Plan*: The Town of Emmitsburg relies on Frederick County for the implementation of a post construction stormwater management program (Ordinance 01-18 & Resolution 02-29).

AN ORDINANCE TO AMEND

TITLE 15

OF THE CODE OF EMMITSBURG

ENTITLED

BUILDING AND CONSTRUCTION

BE IT RESOLVED, ENACTED AND ORDAINED, this / day of September 2001, by the Mayor and Board of Commissioners of the Town of Emmitsburg, Maryland, pursuant to the authority granted to them by the laws of Maryland and the Charter of the Town of Emmitsburg, that Title 15 Emmitsburg Municipal Code be amended by adding thereto Chapter 15.21

The amended section of this regulation read as follows with new wording indicated in BOLD CAPITAL letters and deleted words in [brackets]

WHEREAS, ON JUNE 5, 2001 FREDERICK COUNTY, MARYLAND ADOPTED A STORMWATER MANAGEMENT ORDINANCE DESIGNATED AS ORDINANCE 01-10-284 AND CODIFIED IN THE FREDERICK COUNTY CODE, CHAPTER 1-15.2 PURSUANT TO THE ENVIRONMENT ARTICLE, TITLE 4, SUBTITLE 2, ANNOTATED CODE OF MARYLAND (FORMERLY, THE NATURAL RESOURCES ARTICLE, TITLE 8, SUBTITLE 11A), AND

WHEREAS, THE TOWN OF EMMITSBURG HAS REVIEWED THE COUNTY'S ORDINANCE AND BELIEVES IT IS SATISFACTORY TO PROTECT THE LIVES AND PROPERTY OF EMMITSBURG RESIDENTS AND CITIZENS, AND

WHEREAS, FREDERICK COUNTY HAS STATED ITS WILLINGNESS TO ADMINISTER AND ENFORCE STORMWATER MANAGEMENT LAWS WITHIN THE CORPORATE LIMITS OF THE TOWN OF EMMITSBURG.

NOW, THEREFORE, BET IT RESOLVED, ENACTED AND ORDAINED BY THE MAYOR AND BOARD OF COMMISSIONERS OF THE TOWN OF EMMITSBURG, MARYLAND THAT THE EMMITSBURG MUNICIPAL CODE IS

ORDINANCE SERIES 2001 ORDINANCE NO. 01-18 PAGE...3 OF...3...

ORDINANCE NO. <u>UI-18</u>	
BE IT FURTIBER RESOLVED, ENACTION shall take effect on the 1/4 day of 1 softial	DAND ORDAINED, that this Ordinance 2001 and the Town Clerk shall post a copy
thereof at the Town Office and one other public place. Mayor on the	e within the Town, as designated by the
PASSED this	,2001.
ATTEST:	
Donna Thompson, Town Clerk	Antrock Copyle President of the Board of Commissioners
APPROVED this day of	William H. Carr, Mayor
VETOED thisday of	, 2001.
	William H. Carr, Mayor
I hereby certify that the foregoing Ordinance of the Emmitsburg Municipal Code, and as directed	e has been posted as required by Chapter 2.04 d by the provisions off this Ordinance.
	Dona Thompson Town Glerk

ATTACHMENT #12

THE EFFECTIVE DATE OF THIS RESOLUTION IS NO rember 21, 2002

RESOLUTION NO. 02-29

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF FREDERICK COUNTY, MARYLAND

Re: Providing Stormwater Management Services to Municipalities

RECITALS

On June 5, 2001, Frederick County adopted a Stormwater Management Ordinance (Ordinance No. 01-10-284) governing stormwater management in the County pursuant to the Environment Article, Title 4, Subtitle 2, Annotated Code of Maryland (formerly, the Natural Resources Article, title 8, Subtitle 11A); and

The City of Brunswick, Town of Emmitsburg, Town of Middletown, Town of Myersville, Town of Myersville, Town of New Market, Village of Rosemont, Town of Thurmont, and the Town of Walkersville have reviewed the County's Ordinance and have determined it is satisfactory to protect the lives and property of their residents; and

The municipalities listed above have adopted the County's Ordinance and any regulations adopted pursuant thereto; and

Frederick County is willing to administer and enforce the stormwater ordinance within the corporate limits of the municipalities listed above.

RESOLUTION

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF FREDERICK COUNTY, MARYLAND, that the County shall

PC. CAO, HIDAK, SMITH, GROSSNICKLE, FILE

administer and enforce the provisions of its stormwater ordinance, Chapter 1-15.2 of the Frederick County Code and regulations promulgated thereunder, within the corporate limits of the City of Brunswick, Town of Emmitsburg, Town of Middletown, Town of New Market, Village of Rosemont, Town of Thurmont, and the Town of Walkersville under the terms and conditions as may be agreed to between the County and each municipality.

The undersigned hereby certifies that this Resolution was approved and adopted on the 215th day of the ender , 2002.

ATTEST:

BOARD OF COUNTY COMMISSIONERS OF FREDERICK COUNTY, MARYLAND

Douglas D. Browning Acting County Manager

David P. Gr President

WK 11/21/02

File: r/pdm/dodr/Brief Stormwater Management Resolution Towns

BMP 5.3 – Implementation of the Maryland Stormwater Design Manual

- *Requirement*: Require that all new and redevelopment projects adhere to the design criteria performance standards in the latest version of the 2000 Maryland Stormwater Design Manual, Volumes I & II (Manual). This includes that environmental site design (ESD) be implemented to the maximum extent practicable (MEP).
- Action Plan: The Town of Emmitsburg relies on Frederick County to ensure compliance with the requirements under the 2000 Maryland Stormwater Design Manual, Volumes I & II (Manual).

BMP 5.4 – MS4 Progress Report

- *Requirement*: Maintain stormwater program implementation information and provide updates in accordance with the MS4 Progress Report that include:
 - a. An Urban BMP database in accordance with the database structure in Appendix B, Tables B.1.a, b, and c. This information must be annually submitted to MDE with the MS4 Progress Report.

Action Plan: Please see the attached BMP database (Attachment #6).

- b. Total number of triennial inspections performed and verification that inspections occur at least once every three years;
- **Action Plan:** Eight triennial inspections were conducted by Frederick County during this permit term, which are attached to this report (Attachment #7).
- c. Total number of violations notices issued and status of enforcement activities; and
- **Action Plan:** This information is included in the County's MS4 reports and is not required to be reported by the Town.
- d. Summary of routine maintenance activities for all publically owned BMPs. Maintenance plans must address periodic mowing, plant composition and health, trash and debris accumulation, sedimentation and erosion, dewatering, and overall function of the BMP in accordance with approved plans. Specify any actions taken to correct problems noted during routine maintenance activities.

Action Plan: The Town owns the following BMPs:

- 1. Emmitsburg Community Park Filtration Basin (FR15POI000238)
 - Town staff mowed surrounding areas of basin and inflow, removed trash/debris from rip rap, removed sediment build up in storm drain, and removed sediment on rip rap berm as needed in June, July, and September of 2020.

- 2. Emmitsburg Community Park, PH 1-CPv Pond (FR15POI000920)
 - Town staff mowed embankment slopes (tops and sides), mow pond bottom, remove trash/debris in pond as needed, remove any animal burrows on embankment, repair ay erosion in pond or on slopes, remove trash/debris from 8" outflow pipe, remove sediment/trash from dewatering device, and refresh #2 stone around dewatering device as needed.
 - The Town hired Magstone, LLC. in order to remove sediment / debris, grading, stabilization, install a 4'x4'x'1' gabion stone splash pad, and grade area to achieve positive water flow at the outfall. The total cost for the work was \$3,357.16.

Before picture outfall WLA4



After picture of outfall WLA4



BMP 5.5 – Staff Training

- *Requirement*: Provide training for staff on proper BMP design, performance, inspection, and routine maintenance. Report to MDE the number of trainings offered, topics covered, and number of attendees.
- *Action Plan*: The Town of Emmitsburg relies on Frederick County to fulfill this requirement.

Minimum Control Measure #5 - Post Construction Stormwater Management Plan

Description	Cost
Outfall WLA4 Stabilization	\$3,357.16
MCM #5 TOTAL COST	\$3,357.16



Town of Emmitsburg

Minimum Control Measure #6

Pollution Prevention and Good Housekeeping Plan

Minimum Control Measure (MCM) #6 Pollution Prevention and Good Housekeeping Plan

Introduction

As part of the Town of Emmitsburg's Stormwater Management Program, the purpose of the Pollution Prevention and Good Housekeeping Plan is to develop and implement an operation and maintenance program that includes a training component to prevent and reduce pollutant runoff from municipal operations in accordance with CFR 40 § 122.34(b)(6).

BMP 6.1 – Staff Training

- **Requirement:** Ensure that appropriate staff and contractors receive training at least annually. The training must be designed to reduce or eliminate the discharge of pollutants during municipal operations. Training may include in-person, online, toolbox talks, on-the-job, or other formats, and permittees may build on existing training activities to fulfil this requirement. Topics must include spill prevention and response, proper disposal of waste, and periodic visual inspections to detect and correct potential discharges at properties owned or operated by the permittee.
- *Action Plan:* The Town held a mandatory training session for all employees on September 15, 2020. Detailed information on the training can be found in this report under BMP 1.4 Annual Employee Training.

BMP 6.2 – Pollution Prevention Plan at Town Owned Properties

- Requirement: Develop, implement, and maintain a good housekeeping plan for permittee owned or operated properties where any of the following activities are performed: maintenance of vehicles or heavy equipment, and handling of any of the following materials: deicers, anti-icers, fertilizers, pesticides, road maintenance materials such as gravel and sand, or hazardous materials. A standard plan may be created to address multiple properties where similar activities are conducted provided the below items are addressed. The plan must include:
 - a) A description of site activities;
 - b) A list of potential pollutants including their sources and locations on the site. The plan must consider conveyance of stormwater entering, flowing across, and leaving the site;
 - Written good housekeeping procedures designed to prevent discharge of pollutants off site that include regular visual inspections to detect potential discharges;
 - d) Written procedures for corrective actions to address any release, spill, or leak on site; and
 - e) Documentation of any discharge, release, leak, or spill, including date, findings, and response actions.

• *Action Plan*: The Town's Pollution Prevention Plan is attached to this permit packet as Attachment #3. The Town owned properties include:

22 East Main Street

- a) A description of site activities;
 - This site includes Sherriff Deputy offices, and it is the main storage facility for the Public Works Department. Items stored here include:
 - o Four utility pick-up trucks
 - One dump truck
 - o Push and riding lawn mowers
 - Weed wackers, chainsaws, and other gasoline powered tools
 - Hand tools
 - Street lights & supplies
 - o Fire hydrants & supplies
 - Street sweepers
 - o Snow plows
 - Road signs & supplies
 - Road salt spreaders
 - o Backhoe
 - Construction equipment
 - o Saws
 - Paint & stains
 - Pesticides
 - Vehicle wash supplies
 - o Gasoline, oil, & lubricants
 - Antibacterial soap
 - o Credit 41 non-selective herbicide
 - o Neutro-wash
 - o Lubri-seal
- b) A list of potential pollutants and their sources and locations, including their sources and locations on the site. The plan must consider conveyance of stormwater entering, flowing across, and leaving the site.
 - Potential pollutants include:
 - o Paint & stain
 - Pesticide
 - Vehicle washing supplies
 - o Gasoline, oil, & lubricants
 - Antibacterial soap
 - o Credit 41 non-selective herbicide
 - o Neutro-wash
 - o Lubri-seal
 - See below Stormwater Conveyance System map for 22 East Main

Street. The stormwater from this property ultimately flows to the stream called Willow Rill.

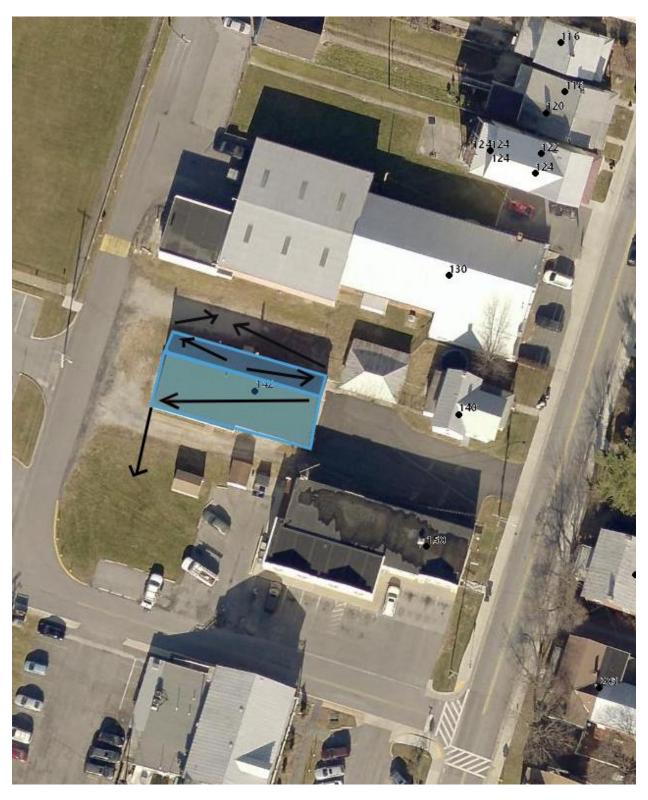


- Written good housekeeping procedures designed to prevent discharge of pollutants off site that include regular visual inspections to detect potential discharges;
 - Please see the attached Pollution Prevention Plan.
- d) Written procedures for corrective actions to address any release, spill, or leak on site; and
 - Please see the attached Pollution Prevention Plan.
- e) Documentation of any discharge, release, leak, or spill, including date, findings, and response actions.
 - No discharges, releases, leaks, or spills were noted for this reporting period.

142 South School Lane

- a) A description of site activities;
 - This site includes a garage that is used as a miscellaneous storage facility for the Public Works Department. Items stored here include:
 - Water hose
 - Metal roofing
 - o Lumber
 - o LED lightbulbs
 - o Push mower
 - Snow thrower
 - Generator
 - o Trade lift
 - Christmas decorations
 - o Green Clean Pro (treatment for Rainbow Lake)
 - Liquid Asphalt
 - o Pool lift
 - o Miscellaneous park equipment
- b) A list of potential pollutants including their sources and locations on the site. The plan must consider conveyance of stormwater entering, flowing across, and leaving the site.
 - Potential pollutants include:
 - o Green Clean Pro
 - Liquid Asphalt
 - o Gasoline, oil, & lubricants from the generator, trade lift, and push mower

• See below Stormwater Conveyance System map for 142 School Lane. The stormwater from this property ultimately flows into the gravel parking lot or grassy area and dissipates.



- Written good housekeeping procedures designed to prevent discharge of pollutants off site that include regular visual inspections to detect potential discharges;
 - Please see the attached Pollution Prevention Plan.
- d) Written procedures for corrective actions to address any release, spill, or leak on site; and
 - Please see the attached Pollution Prevention Plan.
- e) Documentation of any discharge, release, leak, or spill, including date, findings, and response actions.
 - No discharges, releases, leaks, or spills were noted for this reporting period.

303 West Lincoln Avenue

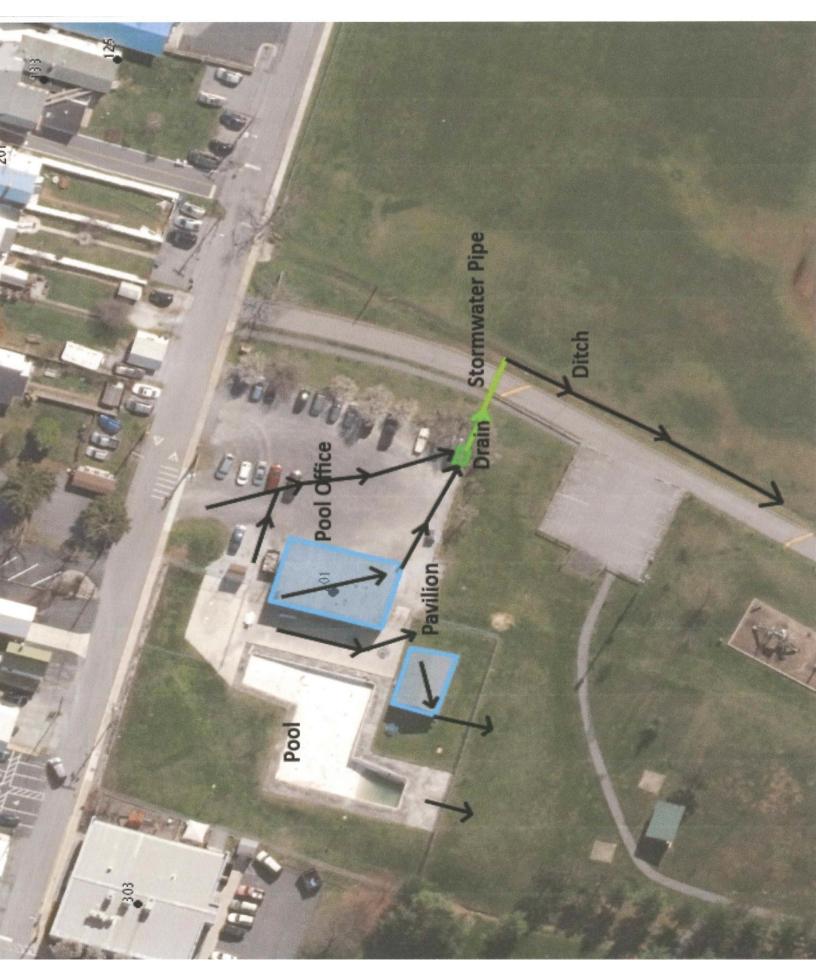
- a) A description of site activities;
 - The Town leases this building to a church.
- b) A list of potential pollutants including their sources and locations on the site. The plan must consider conveyance of stormwater entering, flowing across, and leaving the site.
 - The only potential pollutants from this facility are common household cleaners.
 - See below Stormwater Conveyance System map for 303 West Lincoln Avenue. The stormwater from this property ultimately flows into the large grassy area and dissipates.



- Written good housekeeping procedures designed to prevent discharge of pollutants off site that include regular visual inspections to detect potential discharges;
 - Please see the attached Pollution Prevention Plan.
- d) Written procedures for corrective actions to address any release, spill, or leak on site; and
 - Please see the attached Pollution Prevention Plan.
- e) Documentation of any discharge, release, leak, or spill, including date, findings, and response actions.
 - No discharges, releases, leaks, or spills were noted for this reporting period.

201 West Lincoln Avenue

- a) A description of site activities;
 - Community Pool
- b) A list of potential pollutants including their sources and locations on the site. The plan must consider conveyance of stormwater entering, flowing across, and leaving the site.
 - Potential pollutants include:
 - Hot Shot Flying Insect Killer Spray
 - Wild Harvest All Purpose Cleaner
 - o Essential Everyday Streak less Glass Cleaner
 - Lysol Bleach Toilet Bowl Cleaner
 - o Fabuloso Multi-Purpose Cleaner
 - o Clorox Cleanup
 - o Muriatic Acid (Hydrochloric Acid)
 - Sodium Hypochlorite Solution
 - o Odorless Charcoal Lighter
 - o Sodium Bicarbonate
 - Calcium Chloride Flakes
 - o Sodium Thiosulfate Pentahydrate
 - o Chlorinating 1" Tablets
 - See below Stormwater Conveyance System for 201 West Lincoln Avenue. The stormwater from this property ultimately flows into a stormwater drain that flows into a pipe under the road then to a ditch, which ultimately runs to the Willow Rill stream.



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- Written good housekeeping procedures designed to prevent discharge of pollutants off site that include regular visual inspections to detect potential discharges;
 - Please see the attached Pollution Prevention Plan.
- d) Written procedures for corrective actions to address any release, spill, or leak on site; and
 - Please see the attached Pollution Prevention Plan.
- e) Documentation of any discharge, release, leak, or spill, including date, findings, and response actions.
 - No discharges, releases, leaks, or spills were noted for this reporting period.

BMP 6.3 – Report Pollution Prevention Efforts

- **Requirement:** Quantify and report pollution prevention efforts related to the following activities;
 - a) Number of miles swept and pounds of material collected from street sweeping and inlet cleaning programs;
 - b) Good housekeeping methods for pesticide application such as integrated pest management plans or alternative techniques;
 - c) Good housekeeping methods for fertilizer application such as chemical storage, landscaping with low maintenance/native species, and application procedures;
 - d) Good housekeeping methods for snow and ice control such as use of pretreatment, truck calibration and storage, and salt dome storage and containment; and
 - e) Other good housekeeping methods performed by the permittee not listed above.

• Action Plan:

- a) Number of miles swept and pounds of material collected from street sweeping and catch basin cleaning programs;
 - Please see next page for the street sweeping & catch basin cleaning logs. A total of 1,440 pounds or 0.72 tons were collected by mechanical street sweeping during this permit term. A total of 1,135 pounds or 0.57 tons were collected by catch basin cleaning.

Town of Emmitsburg Street Sweeping Log 07/01/2019 - 06/30/2021

7-30-2020 Main Street, Creamery Rd Mechanical Street Sweeping Dave & Darrell 50 10-1-2020 Main Street, Creamery Rd Mechanical Street Sweeping Dave & Darrell 75 10-1-2020 Main Street, Creamery Rd Mechanical Street Sweeping Jim, Chris, Dave, Darrell 350 10-28-2020 Main Street, Creamery Rd Mechanical Street Sweeping Chris & Dave, Darrell 200 1-28-2021 Main Street, Creamery Rd Mechanical Street Sweeping Chris, Dave, Darrell 175 9-31-2021 Main Street, Creamery Rd Mechanical Street Sweeping Chris, Dave, Darrell 125 1-29-2021 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 Main Street Mechanical Street Sweeping Ilm, Chris, Dave 160 </th <th>Date</th> <th>Location</th> <th>Description of Work</th> <th>Staff Members Involved</th> <th>Pounds of Dry Materials Collected</th>	Date	Location	Description of Work	Staff Members Involved	Pounds of Dry Materials Collected
Main Street, Creamery Rd, Mechanical Street Sweeping Dave & Darrell Inishtown Rd Mish Street, Creamery Rd, Machanical Street Sweeping Dave & Darrell Main Street Mechanical Street Sweeping Main Street Main Street Mechanical Street Sweeping Mechanical Street Sweeping Main Street Mechanical Street Sweeping Mechanical Street Sweeping Main Street Mechanical Street Sweeping Mechanical Street Sweeping Main Street Mechanical Street Sweeping Tortat Pounds	7-30-2020	Main Street	Mechanical Street Sweeping	Darrell	05
Main Street, Creamery Rd, Mechanical Street Sweeping Dave & Darrell Inshitown Rd Mechanical Street Sweeping Ilm, Chris, Dave, Darrell Main Street Creamery Rd, Mechanical Street Sweeping Chris, Dave, Darrell Main Street Creamery Rd, Mechanical Street Sweeping Ilm, Chris, Dave Darrell Main Street Mechanical Street Sweeping Ilm, Chris, Dave Mechanical Street Sweeping Ilm, Chris, Dave Main Street Mechanical Street Sweeping Ilm, Chris, Dave Main Street Main Street Mechanical Street Sweeping Ilm, Chris, Dave Main Street Mechanical Street Sweeping Ilm, Chris, Dave Main Street Main Street Sweeping Ilm, Chris, Dave Mechanical Street Sweeping Ilm, Chris, Dave Torrat Pounds	8-27-2020	Main Street, Creamory Rd	Mechanical Street Sweeping	Dave & Darrell	75
Main Street, Creamery Rd Mechanical Street Sweeping Jim, Chris, Dave, Darrell Main Street Creamery Rd, Mechanical Street Sweeping Chris & Dave Darrell Main Street Creamery Rd, Mechanical Street Sweeping Chris, Dave, Darrell Main Street Creamery Rd, Mechanical Street Sweeping Jim, Chris, Dave Main Street Mechanical Street Sweeping Jim, Chris, Dave Main Street Mechanical Street Sweeping Jim, Chris, Dave Main Street Mechanical Street Sweeping Amin Street Mechanical Street Sweeping Tim, Chris, Dave Main Street Mechanical Street Sweeping Tim, Chris, Dave Mechanical Street Sweeping Tim, Chris, Dave Total Pounds	10-1-2020	Main Street, Creamory Rd, Irishtown Rd	Mechanical Street Sweeping	Dave & Darrell	80
Main Street Mechanical Street Sweeping Chris & Dave Main Street Mechanical Street Sweeping Chris & Dave Darrell Main Street Creamery Rd, Mechanical Street Sweeping Ilm, Chris, Dave Main Street Mechanical Street Sweeping Imp, Chris, Dave TotAL POUNDS	10-28-2020	Main Street, Creamery Rd	Mechanical Street Sweeping	Jim, Chris, Dave, Darrell	350
Main Street Mechanical Street Sweeping Chris & Dave Main Street, Creamery Rd, Mechanical Street Sweeping Ilm, Chris, Dave, Darrell Main Street Mechanical Street Sweeping Main Street Mechanical Street Sweeping Mechanical Street Sweeping Mechanical Street Sweeping Total Pounds	12-28-2020	Main Street	Machanical Street Sweeping	Darrell	200
Main Street Main Street, Creamery Rd, Machanical Street Sweeping Ilm, Chris, Dave, Darrell Main Street Mechanical Street Sweeping Main Street Mechanical Street Sweeping Mechanical Street Sweeping Mechanical Street Sweeping Total Pounds	3-31-2021	Main Street	Mechanical Street Sweeping	Chris & Dave	175
Main Street, Creamery Rd, Mechanical Street Sweeping Ilm, Chris, Dave Main Street Mechanical Street Sweeping Mechanical Street Sweeping Mechanical Street Sweeping TOTAL POUNDS	4-29-2021	Main Street	Mechanical Street Sweaping	Chris, Dave, Darrell	125
Main Street Mechanical Street Sweeping Jim, Chris, Dave Main Street Mechanical Street Sweeping Main Street Mechanical Street Sweeping Mechanical Street Sweeping Total Pounds	5-27-2021	Main Street, Creamory Rd, East & West North Ave	Machanical Street Sweeping	Jim, Chris, Darrell	225
Street Mechanical Street Sweeping Street Mechanical Street Sweeping Street Mechanical Street Sweeping	6-30-2021	Main Street	Mechanical Street Sweeping	Jím, Chris, Dave	160
Street Mechanical Street Sweeping Street Sweeping		Main Street	Mechanical Street Sweeping		
Street Mechanical Street Sweeping		Main Street	Mechanical Street Sweeping		
TOTAL POUNDS		Main Street	Mechanical Street Sweeping		
				TOTAL POUNDS	

Report certified by the Town's Public Works Director Jim Click

Signature:

300A South Seton Avenue, Emmissiong, MD 21727 Phone: 301-600-6300 Fax: 301-606-6313

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Town of Emmitsburg Catch Basin Cleaning Log 07/01/2020 - 06/30/2021

Date	Location	Description of Work	Staff Members Involved	Materials Collected
7-30-2020	Front of 101 Irishtown Rd	Catch Basin Cleaning	Chris, Dave, Darrell	25
8-6-2020	Front of 500 Timbermill Run	Catch Basin Cleaning	Chris, Dave, Darrell	150
10-6-2020	Across from 7 Irishtown Rd	Catch Basin Cleaning	Chris, Dave, Darrell	15
10-28-2020	End of Irishtawn Rd by 2 Emmit Ct	Catch Basin Cleaning	Jim, Chris, Dave, Darrell	850
3-31-2021	By entrance to Northgate	Catch Basin Cleaning	Chris & Dave	ın
4-29-2021	Front of 2 Provincial Parkway Northgate	Catch Basin Cleaning	Chris, Dave, Darrell	30
5-27-2021	Front of 12 Zanella Dr Northgate	Catch Basin Cleaning	Jim, Chris, Dave	35
6-30-2021	1st one in on left on Zanella Dr	Catch Basin Cleaning Jim, Chris, Dave	Jim, Chris, Dave	45
		Catch Basin Cleaning		
		Catch Basin Cleaning		
		Catch Basin Cleaning		
		Catch Basin Cleaning		
			TOTAL POUNDS	

Report certified by the Town's Public Works Director Jim Click

Signature:

300A South Seton Avenue, Emmisburg, MD 21727 Phone: 301-600-6300 Fax: 301-600-6313

- b) Good housekeeping methods for pesticide application such as integrated pest management plans or alternative techniques;
 - Please see page 10 of the Pollution Prevention Plan. A state certified contractor applies pesticides at Town owned property.
- c) Good housekeeping methods for fertilizer application such as chemical storage, landscaping with low maintenance/native species, and application procedures;
 - Please see page 10 of the Pollution Prevention Plan.
- d) Good housekeeping methods for snow and ice control such as use of pretreatment, truck calibration and storage, and salt dome storage and containment; and
 - Please see page 8 of the Pollution Prevention Plan.
- e) Other good housekeeping methods performed by the permittee not listed above.
 - Please see the Pollution Prevention Plan.

BMP 6.4 – Industrial Activity Coverage.

- **Requirement:** Submit in the NOI a list of properties owned or operated by the permittee where the activities listed in this MCM are performed, and indicate which are covered under the Maryland General Permit for Stormwater Discharges Associated with Industrial Activity. Provide an update in annual reports if the status of industrial activity permit coverage changes for any property.
- *Action Plan*: This requirement ensures that all other Town-owned facilities have NPDES permit coverage, if applicable. The following Town-owned buildings and their coverage under NPDES permits can be found below.
 - Water Treatment Plant 8585 Crystal Fountain Road. The water treatment plan is regulated under NPDES permit # 11-DP-2364 and monitored as required.
 - Waste Water Treatment Plant (WWTP) 16707 Creamery Road. The WWTP is regulated under NPDES permit # 09-DP-0113.
 - o Pump Station 17700 Creamery Road All materials are routed to the WWTP.

Minimum Control Measure #6 - Pollution Prevention and Good Housekeeping Plan

Description	Cost
N/A	\$0.00
MCM #6 TOTAL COST	\$0.00



Town of Emmitsburg, Maryland Official

Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads Plan

Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads Plan

Introduction

Maryland's Watershed Implementation Plan (WIP) specifies the nutrient and sediment load reductions required to address the Chesapeake Bay total maximum daily load (TMDL) by 2025. This general permit will make progress toward that strategy by requiring small MS4s, like Emmitsburg, commence restoration efforts for twenty percent of existing developed lands that have little or no stormwater management. This five-year permit term will require permittees to develop planning strategies and work toward implementing water quality improvement projects. Restoration planning strategies and implementation schedules required under this general permit are consistent with addressing the water quality goals of the Chesapeake Bay TMDL by 2025. The conditions established below require permittees to perform watershed assessments, identify water quality improvement opportunities, secure appropriate funding, and develop an implementation schedule to show the twenty percent impervious area restoration requirement that will be achieved by 2025. This constitutes adequate progress toward compliance with Maryland's receiving water quality standards and any stormwater WLA established or approved by EPA for small MS4s regulated under this permit.

- **Requirement A:** Develop a Baseline Impervious Assessment. The following information shall be submitted with this assessment:
 - 1. Total impervious acres in accordance with guidance in Appendix B, Section III of this general permit;
 - 2. Total impervious acres treated by water quality BMPs;
 - 3. Total impervious acres treated by BMPs providing partial water quality treatment;
 - 4. Total impervious acres treated by nonstructural practices (i.e., rooftop disconnections, non-rooftop disconnections, or vegetated swales);
 - 5. Verification that any impervious area draining into BMPs with missing inspection records are not considered treated; and
 - 6. Total impervious acres untreated and twenty percent of this total area (i.e., the restoration requirement).
- *Action Plan*: The Town contracted with Greenman-Pedersen, Inc. of Columbia, Maryland to create and update the Baseline Impervious Assessment. The Baseline Impervious Assessment is attached to this permit packet as Attachment #4.
- Requirement B: Develop and Implement an Impervious Area Restoration Work Plan.

Permittees shall submit a work plan with the first year annual report to describe the activities and milestones that will be performed over the permit term to show progress toward the twenty percent impervious area restoration requirement.

• Action Plan: The Impervious Area Restoration Work Plan has been updated and is attached to this permit packet as Attachment #5A.

- **Requirement C:** Develop a Restoration Activity Schedule and provide annual updates on the status of the projects in the planning, construction, and final phase of implementation.
- *Action Plan:* The Restoration Activity Schedule has been updated and is attached to this permit packet as Attachment #5B.
- Requirement D: Permittees are required to develop a BMP inventory consistent with the required fields outlined in the BMP Database provided in Appendix B, Table B.1. a, b, and c. A brief narrative shall accompany the BMP database and provide verification that routine inspections and maintenance activities are up to date. The database fields for inspection and maintenance need to be completed and show that BMPs are inspected every three years and properly maintained.
- Action Plan: Please see Attachment #6 for the BMP inventory.

Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads Plan

Description	Cost
Baseline Impervious Assessment Updates Per MDE Comments	\$522.45
TOTAL COST	\$522.45

Town Expense Report July 1, 2020 through June 30, 2021

Description	Cost
MCM #1	\$389.00
MCM #2	\$1,438.44
MCM #3	\$4,505.80
MCM #4	\$0.00
MCM #5	\$3,357.16
MCM #6	\$0.00
Chesapeake Bay Restoration and Meeting Total Maximum Daily Loads	\$522.45
TOTAL	\$10,212.85