

**BMP Data Report****1. 1-1 General Public Education.**

Obtain and compile a set of educational tools for general distribution to communicate impacts of stormwater into surface waters §1.a). The eight subject areas for distribution to the general public shall include:

- General impacts of stormwater flows to surface waters
- Impacts from impervious surfaces
- Pet waste
- Vehicle maintenance
- Landscaping
- Water reuse
- Impacts of illicit discharges and reporting
- Reducing the 18 conditionally permitted discharges to the MS4 listed in Part I. C of the permit.

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Conduct an inventory, analysis, and selection of the communications tools available to distribute stormwater management concepts to contractors, faculty, staff, students, and campus visitors.	03/29/2012	<input checked="" type="checkbox"/>	04/03/2012

**Activities**

Activity Date	Activity Description
1. 04/03/2012	WVU will distribute stormwater information through two forms, Print media and Electric Media. Also see information related to BMP 1-2 Milestone.

2. Milestone - Develop those communications tools determined to be the most effective at distributing stormwater management concepts to the general public.	09/29/2012	<input checked="" type="checkbox"/>	03/27/2012
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**Activities**

Activity Date	Activity Description
1. 03/27/2012	Educational material is updated and added as need to the MS4 manager website. It can be viewed under the WVUpublic user name. Additional information will be added as needed, and possible added to the EHS website.

**Measurable Goals**

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Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Develop and maintain the WVU website dedicated to the SWMP to provide easy access to SWMP content, educational materials, and activities (BMP 2-3).	1	03/29/2012	<input checked="" type="checkbox"/>	04/25/2012

**Activities**

	Activity Date	Activity Description
1.	05/01/2011	SWMP was posted on EHS website. Account allows tracking of hits to Stormwater page.
2.	04/25/2012	Additional material will be created and posted on website as developed.
3.	04/25/2012	Materials will also be posted on the MS4 manager for access, once security issues are worked out.

2. Distribute Public Outreach and Education Program to the general public.	2	09/29/2012	<input checked="" type="checkbox"/>	10/15/2012
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**Activities**

	Activity Date	Activity Description
1.	06/15/2011	Kathy handed out 12 General Stormwater Brochures.
2.	05/09/2011	Provided Brochures at Employee fest.
3.	11/17/2011	Kathy handed out 30 Stormwater brochures at training.
4.	10/15/2012	Materials have been placed at the Design & Construction trailer for availability to the public. Materials will be placed on the MS4 manager and new EHS website. Other materials will be distributed as needed.

Data Type

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10/10/2013

**BMP Data Report**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files**

1.	10/12/2011	General SW				www.ms4web.com/MS4_WW_WWU\Best Management Practice\Files\lL2PHTXe3W.pdf
2.	10/12/2011	Pet Waste				www.ms4web.com/MS4_WW_WWU\Best Management Practice\Files\k886xltXp8.pdf
3.	09/11/2012					www.ms4web.com/base/MS4_WW_WWU\Best Management Practice\Files\231-c4JaspgsOB.pdf

**Photos****2. 1-2 Staff Education.**

Obtain and compile a set of educational tools to communicate to all applicable WWU staff the 11 additional stormwater management concepts designated in Table 1.2 (§1.a). The 11 subject areas for distribution to staff shall include:

- Automotive chemical use and storage
- Hazardous cleaning supplies use and storage
- Yard care techniques
- Pesticide/fertilizer use and storage
- Carpet cleaning BMPs
- Auto repair BMPs
- Runoff reduction techniques
- Stormwater pond maintenance
- Erosion and sediment control
- Treatment and flow control BMPs
- Impacts of increased flows into water bodies

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Conduct an inventory, analysis, and selection of the communications tools available to distribute stormwater management concepts to staff.	03/29/2012	<input checked="" type="checkbox"/>	03/27/2012

**Activities**

Activity Date	Activity Description
1. 03/27/2012	WWU will distribute stormwater information through two forms, Print media and Electric Media.

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2. 03/27/2012 Print Media will include, but not be limited to (posters, brochures, WVU newspaper, Morgantown newspaper, and design and construction standards.
  3. 03/27/2012 Electric Media will include, but not be limited to (ENews, Facebook, Twitter, Information stations, YouTube, websites, and MS4 manager).
  4. 03/27/2012 Local Media can also be used when needed, such as radio stations or student radio U92, WCLG 100.1, and WVAQ 101.9. Local Television can also be used, such as channel 12 or WBOY 5 news.
2. Milestone - Develop those communications tools determined to be the most effective at distributing stormwater management concepts to WVU staff and begin distribution. 09/29/2012  10/15/2012

**Activities**

	<b>Activity Date</b>	<b>Activity Description</b>
1.	10/15/2012	Educational material is updated and added as needed to the MS4 manager website. It can be viewed under the WVU public user name. Additional information will be added as needed, and possibly added to the EHS website.

**Measurable Goals**

<b>Goal</b>	<b>Permit Year</b>	<b>Due Date</b>	<b>GoalMet</b>	<b>Date Goal Met</b>
1. Have all WVU staff whose job functions have the potential to impact water resources fully participate in the education program on the topics listed in Table 1.2.	2012	09/29/2013	<input type="checkbox"/>	10/15/2013

**Activities**

	<b>Activity Date</b>	<b>Activity Description</b>
1.	10/15/2012	All target audiences listed in table 1.2 of the SWMP will be addressed and determined when training will be provided with planning efforts from the training section of the EHS.

**BMP Data Report****Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files****Photos****3. 1-3 Stormwater Exhibit.**

Create an exhibit to display at the Environmental Health and Safety information table at the Mountainair Student Union and for use by student groups, faculty, and staff at WVU events to promote water resource protection techniques (BMP 2-5).

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Create a stormwater exhibit.	03/29/2012	<input checked="" type="checkbox"/>	04/03/2012

**Activities**

	Activity Date	Activity Description
1.	06/27/2011	Created a small living Bio Cell.
2.	04/22/2011	Created a poster to show stormwater management concepts.
3.	08/01/2011	Created a shadow box of a Bio Cell to show a cross section of the treatment systems and inner workings.
4.	04/03/2012	Created a 3-D model of the Evansdale campus, complete with a recirculation water system and storm drains. The model will be used to show how runoff from different areas i.e. (parking lots, roads, landscaping, pets, constructions activities) can affect water quality.
5.	04/25/2012	Mounted two posters from Westmoreland Conservation about Bio Cell design

**BMP Data Report****Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Display the exhibit each semester at the Mountainlair Student Union.	2012	06/29/2012	<input checked="" type="checkbox"/>	05/09/2011

**Activities**

Activity Date	Activity Description
1. 09/06/2013	The first exhibit and info about stormwater was displayed at employee fest in 2011 when 500 trees were given away for completing a stormwater survey. The exhibit / display has since grown to include many other tools ( small living BioCell, runoff model, shadow box of BioCell, hands on comparison of detention vs retention systems).

2. Promote the availability of the exhibit for use by student groups, faculty, and staff at campus and community events.	4	09/29/2012	<input type="checkbox"/>
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**Activities**

Activity Date	Activity Description
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**Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files**

1.	09/10/2012	Front of shadow box	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\218-pT8i7ffUf9.JPG		
2.	09/10/2012	Back of shadow box	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\219-LwOaFxAmy9.JPG		
3.	09/10/2012	Office BioCell 1/6 scale	www.ms4web.com/base/MS4_WV_WVU\Best Management		

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Practice\Files\220-6eMZmh47RH.JPG

4.	09/10/2012	SWMP concepts poster	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\221-YchgYInkgk.JPG
5.	02/05/2013	Stormwater Model-1	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\235-jtQegWYK2U.jpg
6.	02/05/2013	Stormwater Model-2	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\236-5YmgSGeU0I.jpg
7.	02/05/2013	Stormwater Model-3	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\237-QFQFY9ErQV.jpg
8.	02/05/2013	Stormwater Model-4	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\238-vtv4wlrpgp.jpg
9.	02/05/2013	Stormwater Model-5	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\239-Da7ANuNpx9.jpg
10.	02/05/2013	Stormwater Model-6	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\240-dlC5RkORcv.jpg
11.	02/05/2013	Stormwater Model-7	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\241-pYaneoCU4g.jpg
12.	02/05/2013	Stormwater Model-8	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\242-gmSiASnxKa.jpg
13.	02/05/2013	Stormwater Model-9	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\243-gUkkydAC4L.jpg
14.	02/05/2013	Stormwater Model-10	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\244-0tNK5uSIak.jpg
15.	02/05/2013	Stormwater Model-11	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\245-cDYOV4q7Dj.jpg
16.	02/05/2013	Stormwater Model-12	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\246-70B8sqqKZk.jpg
17.	02/05/2013	Stormwater Model-13	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\247-264PBLvz6F.jpg
18.	02/05/2013	Stormwater Model-14	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\248-gdKf0Ofi.JPG

**Photos**

**BMP Data Report****4. 1-4 Student Organization Partnerships.**

Partner with student organizations and WVU initiatives to distribute educational material through their meetings, events, and websites.

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
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**Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
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- |   |      |            |                                     |            |
|---|------|------------|-------------------------------------|------------|
| 1. Create partnering agreements with the WVU Office of Sustainability's WeCan and WeGo initiatives to promote the eight stormwater management concepts listed in BMP 1-1. | 2012 | 07/29/2012 | <input checked="" type="checkbox"/> | 08/07/2012 |
|---|------|------------|-------------------------------------|------------|

**Activities**

Activity Date	Activity Description
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| 1. 08/07/2012 | Talk with Clement Solomon, who is in the process of completing a calendar of events where stormwater material can be handed out. |
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| 2. Present stormwater management concepts to student organizations annually. | 2 | 09/29/2012 | <input type="checkbox"/> |
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**Activities**

Activity Date	Activity Description
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|---|---|------------|--------------------------|
| 3. Provide stormwater educational material for distribution to student organizations or WVU offices annually. | 2 | 09/29/2012 | <input type="checkbox"/> |
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**Activities**

Activity Date	Activity Description
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**BMP Data Report****Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
<b>Activity</b>		<b>Comment</b>			

**Files****Photos****5. 1-5 Coordination with Faculty.**

Coordinate with faculty in academic programs that offer stormwater management instruction as part of a course of study.

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone – Conduct an inventory of academic courses where stormwater management is one of the primary topics.		<input type="checkbox"/>	

**Activities**

Activity Date	Activity Description

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|---|--|--------------------------|--|
| 2. Milestone - Conduct an inventory of academic courses where stormwater management concepts are included in the course syllabus. |  | <input type="checkbox"/> |  |
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**Activities**

Activity Date	Activity Description

**Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met

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1. Coordinated by the Office of Sustainability, present stormwater management lectures or conduct site visits to stormwater BMPs each academic year. 09/29/2012

**Activities**

Activity Date	Activity Description
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2. Partner with faculty to offer one academic course where stormwater management is one of the primary topics. 03/29/2012

**Activities**

Activity Date	Activity Description
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**Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files****Photos****6. 1-6 Interpretative Signage.**

Post interpretive signs near stormwater management BMPs that describe their function to protect and manage water resources (BMP 2-6).

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Identify stormwater BMPs on campus (BMP 3-1) and evaluate their effectiveness to communicate stormwater management concepts to campus users.		<input type="checkbox"/>	

**BMP Data Report****Activities**

Activity Date	Activity Description
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**Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. In conjunction with University approval processes, WVU will develop interpretive signage for posting at the five BMP sites selected as the most effective to communicate stormwater management concepts to campus users.	5	07/22/2014	<input type="checkbox"/>	

**Activities**

Activity Date	Activity Description
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|--|--|------------|--------------------------|--|
| 2. Maintain signage and identify any sites for additional signs. |  | 09/29/2012 | <input type="checkbox"/> |  |
|--|--|------------|--------------------------|--|

**Activities**

Activity Date	Activity Description
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**Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files****Photos****7. 1-7 Transportation and Parking.**

Distribute information about vehicle maintenance and impervious cover impacts on water resources through WVU's Parking Management Office's

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permit applications and parking lot maps.

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Conduct an inventory, analysis, and selection of the communications tools available throughn Parking Management to distribute stormwater management concepts to contractors, faculty, staff, students, and campus visitors.	03/29/2012	<input type="checkbox"/>	

**Activities**

Activity Date	Activity Description
1. 02/05/2013	This will be developed as meetings with parking evolve. A good start would be to place information in each renewal package for a parking permit each year. This would reach an estimated few 1,000 persons annual covering education about stormwater topics and most importantly vehicle maintenance. Another area would be information packets for in coming freshman.
2. Milestone - Conduct the development of those communications tools determined to be the most effective at communicating stormwater management concepts, especially vehicle maintenance and impervious cover impacts on water resources.	03/29/2012 <input type="checkbox"/>

**Activities**

Activity Date	Activity Description
1. 09/10/2012	This milestone will be implemented during the second year of the permit, while working more close with Transportation and Parking.

**Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Distribute permit applications, parking lot maps, and other Parking Management publications that include stormwater management concepts.	5	03/29/2014	<input type="checkbox"/>	

**Activities**

Activity Date	Activity Description
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**BMP Data Report****Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

**Files****Photos****8. 1-8 Vendor Education.**

Raise the level of awareness of stormwater management concepts for vendors and contractors that work on WVU's Morgantown campuses.

**Implementation Tasks**

Task	Due Date	Implemented	Date Completed
1. Milestone - Determine the stormwater management concepts and establish standards that vendors and contractors should understand and implement based on their job functions.		<input type="checkbox"/>	

**Activities**

Activity Date	Activity Description
1. 01/28/2013	ggg

**Measurable Goals**

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Create a list of the educational materials and training sessions contractors must complete before working on WVU campus.	2014	03/29/2014	<input type="checkbox"/>	

**BMP Data Report****Activities**

	<b>Activity Date</b>	<b>Activity Description</b>
1.	12/14/2012	Thrasher representative Michael visited the WVU Evansdale campus to view the 3 BioCell that are currently installed and gather information on problems or solutions for function of the treatment system.

**Data Type**

<b>Date Entered</b>	<b>Location</b>	<b>Data Type</b>	<b>Quantity</b>	<b>Unit</b>	<b>Cost</b>
<b>Activity</b>		<b>Comment</b>			

**Files****Photos****9. 1-9 Vendor Contracts.**

Prepare standards to include language in contracts and/or the procurement process that describe vendor and contractor stormwater management responsibilities that need to be adhered to while working on campus.

**Implementation Tasks**

<b>Task</b>	<b>Due Date</b>	<b>Implemented</b>	<b>Date Completed</b>
1. Milestone - Conduct research of existing contract templates to determine how best to apply stormwater management responsibilities to vendors and contractors.		<input type="checkbox"/>	

**Activities**

<b>Activity Date</b>	<b>Activity Description</b>

**Measurable Goals**

<b>Goal</b>	<b>Permit Year</b>	<b>Due Date</b>	<b>GoalMet</b>	<b>Date Goal Met</b>

**BMP Data Report**

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|----|---|---|------------|--------------------------|
| 1. | Develop language for contracts and/or the procurement process for proper management of stormwater and sources of pollutants and work with WVU Purchasing and Procurement to implement use of the terms. | 5 | 03/29/2014 | <input type="checkbox"/> |
|----|---|---|------------|--------------------------|

**Activities**

<u>Activity Date</u>	<u>Activity Description</u>
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**Data Type**

<u>Date Entered</u>	<u>Location</u>	<u>Data Type</u>	<u>Quantity</u>	<u>Unit</u>	<u>Cost</u>
<u>Activity</u>		<u>Comment</u>			

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**Files****Photos****10. 2-1. Public Involvement.**

Promote public involvement in the SWMP development and annual review process (§2.a).

**Implementation Tasks**

<u>Task</u>	<u>Due Date</u>	<u>Implemented</u>	<u>Date Completed</u>
1. Milestone - Invite a broad cross-section of WVU departments to send representatives to participate in SWMP development.	01/01/2009	<input checked="" type="checkbox"/>	01/01/2009

**Activities**

<u>Activity Date</u>	<u>Activity Description</u>
1. 09/06/2013	This goal was met with the formation of the first stakeholder group. Several small meetings were held of WVU officials, an original list can be found in the file or with Mike Trantham, as he was the first contact when writing the program.