

BMP Data Report**Data Type Summary****Files**

Photos

30. 5-1. Planning Documents.

Add post-construction stormwater management concepts and projects in WVU planning documents (§5.a.i).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone – Present stormwater management concepts to the University Planning Committee.	12/29/2011	<input checked="" type="checkbox"/>	07/18/2012

Activities

	Activity Date	Activity Description
1.	04/25/2012	A formal meeting has not been scheduled with Rob Moyer or the rest of the University Planning Committee. During regular meetings concepts have been provided to Rob Moyer and several new projects on campus will begin implementing new stormwater management, such as Bio-cells for the first 1-inch capture of runoff.

2. 07/18/2012 A formal Presentation was conducted.

2.	Milestone - Identify the timeframe for the update of each department's planning documents (§5.a.i).	03/29/2012	<input checked="" type="checkbox"/>	09/10/2012
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Activities

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	Activity Date	Activity Description
1.	09/10/2012	Each department has started in incorporate new SWMP BMPs. As each plan is updated, the office of EHS reviews sections of the draft document for items addressing stormwater management.

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Add stormwater management concepts that address the six Watershed Protection Elements as an objective or key indicator in the updated version of the Ten-Year Master Plan.	2012	06/29/2012	<input checked="" type="checkbox"/>	07/02/2012

Activities

	Activity Date	Activity Description	
1.	07/02/2012	Information was sent to Rob Moyer with the university planning committee about the six watershed protection elements to be included in the ten year master plan.	
2.		As each department updates its planning document, include goals and objectives consistent with the updated Ten-Year Master Plan to address the six watershed protection elements.	<input type="checkbox"/>

Activities

	Activity Date	Activity Description
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Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

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1. SW Management Concepts added txtDataEntry
 UniName1

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Files

- | | | | |
|----|------------|---------------|---|
| 1. | 07/17/2012 | Handout | www.ms4web.com/base/wbin/MS4_WV_WVU\Best Management Practice\Files\185-cetHzpPY77.pdf |
| 2. | 07/17/2012 | Handout_Notes | www.ms4web.com/base/wbin/MS4_WV_WVU\Best Management Practice\Files\196-Tr6uliyfeP.pdf |

Photos

31. 5-2. Plan of Action.

Develop a Plan of Action to define authority and procedures for Post-Construction Stormwater Management plan review, site inspection, and enforcement for all projects disturbing one acre or greater (§5.a.ii.B).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone – Consider stakeholder input and begin drafting the Post-Construction Stormwater Management Plan of Action.		<input type="checkbox"/>	

Activities

Activity Date Activity Description

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| 2. Milestone – Define WVU's Plan of Action for Post-Construction Stormwater Management procedures for projects disturbing less than one acre. | | <input type="checkbox"/> | |
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Activities

Activity Date Activity Description

- 3. Milestone - Identify sections of the Design Guidelines and Construction Standards and/or other documents that manage the site planning and site design review process.

Activities

Activity Date Activity Description

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Implement a process for site review that includes a pre-application meeting, procedures for inter-departmental site plan review and approval, requirement for as-built certification, and a post-construction verification process. Include the creation of a checklist with necessary steps to take a project from initial concept through to project completion.			<input type="checkbox"/>	

Activities

Activity Date Activity Description

Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			
1.		Post site inspections		txtDataEntry UnitName1	

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2. Plan of Action developed txtDataEntry
UnitName1

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Photos

32. 5-3. Design Guidelines.

Develop design guidelines and construction standards for new development and redevelopment, including the requirement to develop maintenance plans for new BMPs (§5.a.ii.A.1 and C).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone - Identify sections of the Design Guidelines and Construction Standards and other planning documents that address Post-Construction Stormwater Management.		<input type="checkbox"/>	

Activities

BMP Data Report**Activity Date Activity Description**

2. Milestone - Begin drafting amendments to the Design Guidelines and Construction Standards and other planning documents to require the infiltration of the first inch of runoff from the 24-hour storm, preceded by 48 hours of no precipitation from all new impervious surfaces greater than 3,000sf.

Activities**Activity Date Activity Description**

3. Milestone - Consider amendments to the Design Guidelines and Construction Standards and other planning documents to permit exceptions from the one inch runoff reduction standard when redevelopment, brownfield development, high density residential development, vertical density development, or mixed use and transit oriented development occurs (§5.a.ii.A.3).

Activities**Activity Date Activity Description**

4. Milestone – Consider amendments to the Design Guidelines and Construction Standards and other planning documents to incorporate the six Watershed Protection Elements.

Activities**Activity Date Activity Description**

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Require runoff reduction practices when public streets or parking lots are modified or reconstructed and exceed 5,000sf (§5.a.ii.A.5).	2012	03/29/2012	<input checked="" type="checkbox"/>	03/29/2012

BMP Data Report**Activities**

	Activity Date	Activity Description	
1.	04/26/2012	When a parking lot or road is modified, WVU is redesigning the area to capture the first one inch of runoff from the site where applicable. This helps WVU develop a blanket design and construction standard for stormwater management, allows WVU to manage stormwater in the same watershed in a more feasible manner and should put WVU close to managing the 50yr 24hr storm, which MUB is moving towards in July 2013.	
2.	09/10/2012	WVU has started to implement the capture of the first 1 inch of runoff from all new or redeveloped impervious surfaces, not matter if it is a road, parking lot, or new structure.	
2.		Complete amendments to the Design Guidelines and Construction Standards and other planning documents.	<input type="checkbox"/>

Activities

	Activity Date	Activity Description	
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Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			
1.		Guidelines Developed		txtDataEntry UnitName1	

Data Type Summary

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2.

Guideline updated

txtDataEntry
UnitName1

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Files

Photos

33. 5-4. Hot Spots.

Minimize the potential for new Hot Spots to discharge pollutants to the MS4 or surface waters (§5.a.ii.A.2) (BMP 6-1 and BMP 6-6).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone – Identify sections of the Design Guidelines and Construction Standards and other planning documents that address stormwater management around Hot Spots.		<input type="checkbox"/>	

Activities

Activity Date Activity Description

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Create standards in the Design Guidelines and Construction			<input type="checkbox"/>	

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Standards and other planning documents that require water quality treatment for polluted runoff before infiltration.

Activities

Activity Date	Activity Description
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|----|--|--------------------------|
| 2. | Create standards in the Design Guidelines and Construction Standards and other planning documents that require stormwater conveyance to a treatment facility if water quality control measures are inadequate. | <input type="checkbox"/> |
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Activities

Activity Date	Activity Description
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| 3. | Create standards in the Design Guidelines and Construction Standards and other planning documents that require water quality treatment before polluted runoff infiltrates into the ground or discharges to the sanitary sewer. | <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			
1.		Hot spots identified		txtDataEntry UnitName1	

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Photos _____

34. 5-5. BMP Operation and Maintenance Programs.

Develop operations and maintenance plans for each of the structural BMPs on campus.

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone - Identify the structural stormwater BMPs on campus.		<input type="checkbox"/>	

Activities

Activity Date	Activity Description

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|---|--|--------------------------|--|
| 2. Milestone – Develop a schedule to develop an operation and maintenance program for each structural stormwater BMP on campus. | | <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. Complete an operation and maintenance program for each structural BMP on campus.

Activities

Activity Date Activity Description

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>			
1.		O&M programs developed		txtDataEntry UnitName1	

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Establish a BMP tracking and inspection program (§5.a.ii.D and E) (BMP 3-3 and BMP 6-3).

Implementation Tasks

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Task	Due Date	Implemented	Date Completed
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|---|------------|--------------------------|--|
| 1. Milestone - Create a BMP inspection procedure that gathers information on BMP condition, inspection results, and maintenance activities. | 09/29/2014 | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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|---|------------|--------------------------|--|
| 2. Milestone - Create a BMP inspection schedule to inspect all BMPs by the end of the permit cycle. | 09/29/2014 | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
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|---|--|--|--------------------------|--|
| 1. Create a database to track and store information on source control practices, treatment control practices, photographs, maintenance requirements, and inspection activities. | | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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|---|--|--|--------------------------|--|
| 2. Inspect all BMPs by the end of the permit cycle. | | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			
1.		BMPs inspected		txtDataEntry UnitName1	

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Assess street design guidelines and parking requirements (§5.b).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone - Identify all design guidelines and planning documents that describe standards for streets and parking areas.		<input type="checkbox"/>	

Activities

Activity Date	Activity Description
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| 2. Milestone - Assess Design Guidelines and Construction Standards and other | <input type="checkbox"/> |
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planning documents to identify new standards to maximize vegetation and minimize impervious cover in parking lots and streets.

Activities

Activity Date	Activity Description

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Submit Street/Parking Assessment as part of the third Annual Report.			<input type="checkbox"/>	

Activities

Activity Date	Activity Description

2. Make changes to the Design Guidelines and Construction Standards and other planning documents as recommended in the Assessment.			<input type="checkbox"/>	
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Activities

Activity Date	Activity Description

Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			
1.		Street Design guideline		txtDataEntry UnitName1	

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Train staff on Post Construction Stormwater Management concepts and Plan of Action (BMP 1-2).

Implementation Tasks

Task	Due Date	Implemented	Date Completed
1. Milestone - Identify the staff and their roles participating in the Post-Construction Stormwater Management Program.		<input type="checkbox"/>	

Activities

Activity Date	Activity Description

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| 2. Milestone - Develop training programs for the different staff functions in the Post-Construction Stormwater Management Program. | | <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. Train staff that will participate in plan review, site inspections, BMP tracking, and enforcement activities.

Activities

Activity Date Activity Description

- 2. Refresh training.

Activities

Activity Date Activity Description

Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			
1.		Post SW staff Training		txtDataEntry UnitName1	

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Photos

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Develop an inventory of existing impervious surfaces at WVU's Morgantown area campuses.

Implementation Tasks

Task	Due Date	Implemented	Date Completed
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| 1. Milestone – Conduct an inventory of all impervious cover on campus. | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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| 2. Milestone – Develop guidelines for assessing the feasibility of an area of impervious cover for replacement with stormwater infiltration, retention, detention, or disconnection BMPs. | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
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| 1. Create a prioritized list of impervious cover that could be removed and replaced with infiltration areas. | | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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