

BMP Data Report**Data Type**

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

Files**Photos****30. 5-1. Planning Documents.**

Add post-construction stormwater management concepts and projects in WWU 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

BMP Data Report

	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.	2011	12/29/2011 <input type="checkbox"/>

Activities

	Activity Date	Activity Description
1.	09/06/2013	WVU is currently undergoing a large redevelopment and construction of many new buildings on the Evansdale campus. WVU is implementing the six watershed protection elements to the maximum extend practicable (MEP) at this time. WVU and other developers on WVU property will review these elements under the next permit cycle and when the appropriate plan for each department is under review. All new and redevelopment construction projects are incorporating practices to reduce elements # 3 and 4 at this time through the use of treating the first 1" of runoff by means of extended infiltration of some means.

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Files

1.	07/17/2012	Handout	www.ms4web.com/base/MS4_WV_WVU\Best Management Practice\Files\185-cetHzpPY77.pdf		
2.	07/17/2012	Handout_Notes	www.ms4web.com/base/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
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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.	<input type="checkbox"/>	
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BMP Data Report

Activities

Activity Date	Activity Description
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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
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Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

Files

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
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BMP Data Report

- 1. Milestone - Identify sections of the Design Guidelines and Construction Standards and other planning documents that address Post-Construction Stormwater Management.

Activities

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

BMP Data Report

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 03/29/2012

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.

Activities

	Activity Date	Activity Description
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Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

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).

BMP Data Report**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 Standards and other planning documents that require water quality treatment for polluted runoff before infiltration.			<input type="checkbox"/>	

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

BMP Data Report

Activity Date Activity Description

Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

Files

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
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1. Milestone - Identify the structural stormwater BMPs on campus.		<input type="checkbox"/>	
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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
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Measurable Goals

BMP Data Report

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. | | | <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**Photos****35. 5-6. Tracking and Inspections.**

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

Implementation Tasks

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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BMP Data Report**Activities**

Activity Date	Activity Description

Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
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"/>	

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

Data Type

Date Entered	Location	Data Type	Quantity	Unit	Cost
Activity		Comment			

Files**Photos****36. 5-7. Street Design.**

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

BMP Data Report**Implementation Tasks**

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

Activity Date	Activity Description
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| 2. Milestone - Assess Design Guidelines and Construction Standards and other planning documents to identify new standards to maximize vegetation and minimize impervious cover in parking lots and streets. | | <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. Submit Street/Parking Assessment as part of the third Annual Report. | | | <input type="checkbox"/> | |
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Activities

Activity Date	Activity Description
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| 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
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Activity		Comment			

Files**Photos****37. 5-8. Staff Training.**

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
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Measurable Goals

Goal	Permit Year	Due Date	GoalMet	Date Goal Met
1. Train staff that will participate in plan review, site inspections, BMP tracking, and enforcement activities.			<input type="checkbox"/>	

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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			

Files

Photos

38. 5-9. Impervious Cover Inventory.

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.

Activities

Activity Date Activity Description

- 2. Milestone – Develop guidelines for assessing the feasibility of an area of impervious cover for replacement with stormwater infiltration,