



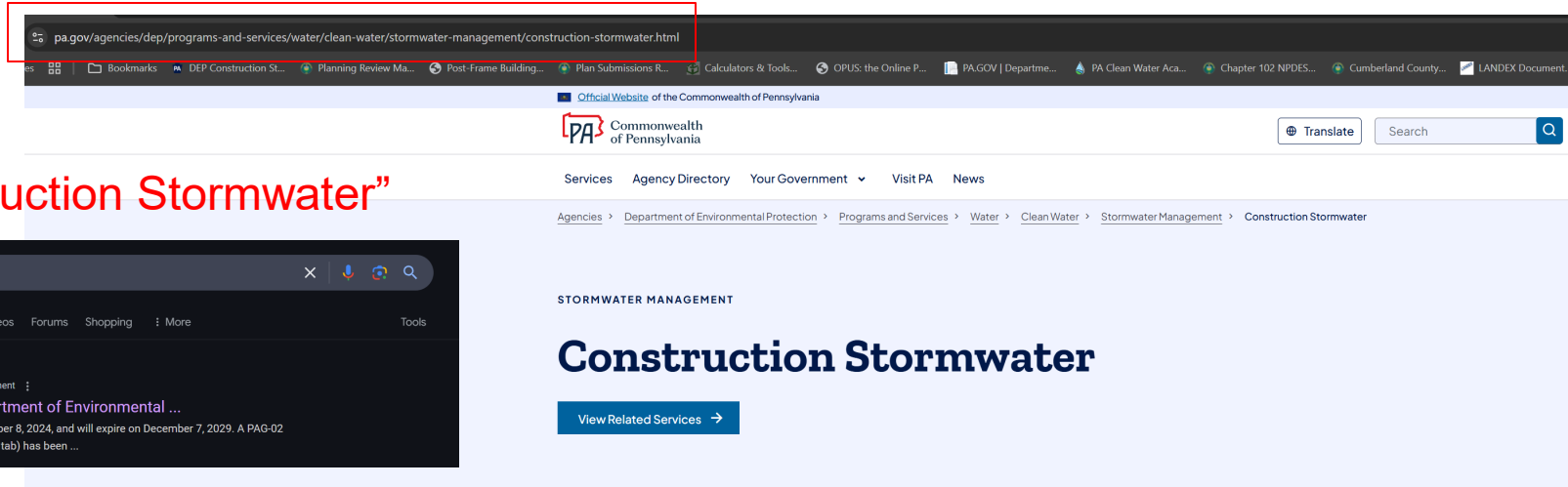
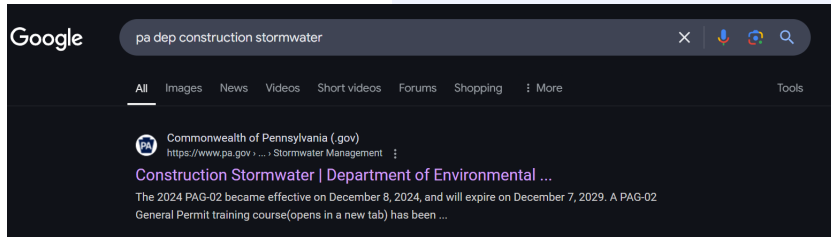
CUMBERLAND COUNTY CONSERVATION DISTRICT

Module 2 & the PCSM Spreadsheet (2025)

Presented by Mike Lubinsky, P.E.

Conserving Natural Resources for Our Future

“PA DEP Construction Stormwater”



Department of Environmental Protection

Programs and Services

Air

Business

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Contracts, Procurement, and Bonding

Energy

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Infrastructure Act

Integration

Land

Mining

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Water Resources

** Announcements **

- DEP has reissued the PAG-02 General Permit for Discharges of Stormwater Associated with Construction Activities ([2024 PAG-02](#)). The 2024 PAG-02 became effective on December 8, 2024, and will expire on December 7, 2029. A [PAG-02 General Permit training course](#) has been created in DEP's Clean Water Academy to explain the differences between the 2019 and 2024 versions of PAG-02, how to complete the NOI, and more.
- DEP has developed a [Pilot Program for Chapter 102 Individual NPDES Permits](#) to improve the quality of applications received and make decisions on applications faster. This Program is available for projects in Allegheny, Beaver, Bucks, Chester, Lebanon, Lehigh, Luzerne, Monroe, Montgomery, and York counties and is expected to accelerate the review timeline for individual permit applications by 73 business days.
- Numerous Chapter 102 forms and documents have been created or updated recently. [This summary](#) outlines when the new or revised documents become required for use.

The Bureau of Clean Water administers the statewide Erosion and Sediment Control (E&S) program under [25 Pa. Code Chapter 102](#). Chapter 102 requires a permit from DEP for the following activities:

Act 162

E&S Resources

Stormwater Management

Individual NPDES Permit & Modules

Permits and Applications

- [PAG-01 General NPDES Permit for Discharges of Stormwater Associated with Small Construction Activities](#) (visit DEP's Clean Water Academy for [training on PAG-01](#))
- [PAG-02 General NPDES Permit for Discharges of Stormwater Associated with Construction Activities](#) (visit DEP's Clean Water Academy for [training on PAG-02](#))
- [Application for an Individual NPDES Permit for Discharges of Stormwater Associated with Construction Activities](#)
- [Notice of Intent \(NOI\) for Coverage under the Erosion and Sediment Control General Permit \(ESCGP-4\) for Earth Disturbance Associated with Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities](#)
- [Application for an Individual Erosion and Sediment Control \(E&S\) Permit](#)
- [Chapter 102 Permit Modules](#) (E&S Module 1, PCSM Module 2, Antidegradation Module 3, and Riparian Buffer Module 4)
 - *Note the 2019 versions of [Module 1](#) and [Module 2](#) may be submitted up to 3/7/25*
- [Application for NPDES or WQM Permit Transfer](#) (used for transferring Chapter 102 permits and other permits)
- [Application for NPDES or WQM Permittee Name Change](#) (used when a permittee's name changes but there is not a permit transfer)
- [General Information Form](#) (GIF) (used for Individual NPDES and E&S Permits)



Implementation Tools

- [DEP PCSM Spreadsheet](#) (XLSB) (Version 2.0, February 2025) – This spreadsheet developed by DEP is intended to assist with stormwater analyses required by Chapter 102 for PCSM Plans. The spreadsheet is a macro-enabled Excel binary file. [DEP PCSM Spreadsheet Instructions](#) (PDF) and [training](#) for the spreadsheet are available to assist users. **Note** – It is recommended that users check this site periodically for the latest updates to the spreadsheet. Updates are made as calculation or functional errors are identified and corrected. A new version number will be provided only when significant changes or enhancements are made to the spreadsheet, not when errors are corrected or minor changes are made. *When applicable to a project, version 2.0 must be used starting March 8, 2025.*
- [Pre-Development Site Characterization \(PDSC\) Spreadsheet](#) (XLSM) (Version 1.0, November 2024) – This spreadsheet is used in conjunction with PCSM Module 2 to evaluate the adequacy of pre-development site characterization activities. See the [DEP PDSC Spreadsheet Instructions](#) (PDF) and [training](#) for information on how to use the PDSC Spreadsheet. *When applicable to a project, version 1.0 must be used starting March 8, 2025.*
- [Managed Release Concept \(MRC\) Spreadsheet](#) (XLSM) (Version 1.1, February 2025) – This spreadsheet is used to document volume management credit for MRC SCMs that do not meet MRC Simplified Design Standards. See the [MRC Spreadsheet Instructions](#) (PDF) for information on using the MRC Spreadsheet. *When applicable to a project, versions 1.0 or 1.1 must be used starting March 8, 2025; version 1.1 must be used starting June 8, 2025.*



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- 1 -

Points of Analysis (POAs)

3800-PM-BCW0406b Rev. 10/2024
PCSM Module 2

POINTS OF ANALYSIS (POAs)				
1. Identify all POAs used for the stormwater analysis and provide the information requested. All runoff from the site must be accounted for.				
POA No.	Latitude	Longitude	DA (acres)	Surface Water Name

3800-PM-BCW0406b Rev. 12/2024
Application

STORMWATER DISCHARGE INFORMATION								
1. List all stormwater discharge points (DPs) during construction and provide the information requested below (see instructions). <input type="checkbox"/> Chesapeake Bay								
DP ID	Latitude	Longitude	Name of Receiving Waters	Ch. 93	Distance to Waters	EP Analysis	Impaired?	TMDL?
			Hogestown Run via EV Wetlands	EV	ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. List all stormwater DPs after construction and stabilization are complete and provide the information requested below.								
DP ID	Latitude	Longitude	Name of Receiving Waters	Ch. 93	Distance to Waters	EP Analysis	Impaired?	TMDL?
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Stormwater will be managed using <input type="checkbox"/> non-discharge alternative(s) <input type="checkbox"/> ABACT BMPs/SCMs for stormwater discharges during and following construction.								
4. Will any of the points identified above discharge to a sewer system? <input type="checkbox"/> Yes <input type="checkbox"/> No Is the sewer an MS4 or CSS? <input type="checkbox"/> Yes <input type="checkbox"/> No Name of storm sewer owner/operator: Will there be an increase in rate, volume or WQ? <input type="checkbox"/> Yes <input type="checkbox"/> No								
5. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges. <input type="checkbox"/> No non-stormwater discharges are anticipated.								
6. Will stormwater flow off the project site through properties owned by others prior to reaching a surface water or storm sewer during or following construction? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes to #6, has an easement been obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No NOTE – The applicant is expected to: 1) secure legal authority for discharges on or through property not owned by the applicant; 2) provide for adequate E&S controls and a stable conveyance as necessary to prevent accelerated erosion; and 3) complete an EP Analysis when necessary according to the Instructions.								

Points of Analysis (POAs)

This section must be completed for all projects with the exception of those qualifying as site restoration projects.

Points of analysis are locations on a project site boundary, or at a surface water, that receive stormwater runoff from all, or a portion of, a project site and where stormwater management requirements of 25 Pa. Code § 102.8(g) must be demonstrated. POAs are selected considering both pre-construction and post-construction conditions. All runoff from a project site must be accounted for at one or more POAs. POAs may or may not be co-located with discharge points (DPs).

Identify all POAs used for the stormwater analysis for the entire project site. All surface waters receiving stormwater from the project site must be accounted for. All POAs must also be identified on PCSM Plan Drawings.

- Identify the POA identification (ID) number. Number POAs sequentially starting with 001. To distinguish between POAs and DPs on plan drawings, it is recommended that the prefixes "POA" and "DP" be used (e.g., POA-001, DP-001) and/or POAs and DPs be identified by different colors.
- Enter the latitude and longitude coordinates in decimal degree format with a minimum of five digits to the right of the decimal place.
- Enter the drainage area (DA), in acres, to the POA from the project site.
- Report the name of the surface water that will receive stormwater from the project site at or downstream of the POA.

Name of Receiving Waters – Specify the name of the surface waters receiving stormwater discharges (i.e., receiving waters) for each discharge point, as specified in 25 Pa. Code Chapter 93. If the receiving waters are not identified in Chapter 93, use the term "Unnamed tributary to XXX", where XXX is the first named surface water downstream. If the discharge is to a storm sewer, list the name of the receiving waters followed by, "via storm sewer" (e.g., "Muddy Run via storm sewer"). If the discharge is to existing wetlands, list the name of the receiving waters followed by, "via wetland."



PCSM Spreadsheet – General Information

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DEP PCSM Spreadsheet
Version 2.0, February 2025

General Information

Instructions **General** **Volume** **Rate** **Quality**

Project Name: Farmer's Ag Project **Application Type:** Individual NPDES Application

County: Cumberland **Municipality:** Hampden Township

Project Type: Agricultural Operation ☒ New Project ☐ Minor / Major Amendment

Area: 10.00 acres **Total Earth Disturbance:** 10.00 acres
(In Watershed) (In Watershed)

Analysis: 2 **at:** 001

No. of Post-Construction Points of Analysis: 2 **Start POA Numbering at:** 001

Point of Analysis (POA) No.	Drainage Area (DA) (acres)	Earth Disturbance in DA (acres)	Existing Impervious in DA (acres)	Proposed Impervious in DA (acres)	Receiving Waters	Ch. 93 Class	Structural SCM(s)
001	6.99	6.99	0.00	2.95	Discharge to Non-Surface Waters	HQ-CWF, MF	Yes
002	3.01	0.95	0.00	0.00	Discharge to Non-Surface Waters	HQ-CWF, MF	No
Undetained Areas	0.00	2.06	0.41	0.07			
Totals:	10.00	10.00	0.41	3.02			

DEP PCSM Spreadsheet Instructions
Revised, March 24, 2025

NOTE 2 - The spreadsheet is intended for the evaluation of volume, rate, and water quality for discharges to a single receiving surface water. If for example there are 3 post-construction points of analysis (POAs) to Mud Run and 3 post-construction POAs to Clear Creek, two spreadsheets should be completed (one for Mud Run and one for Clear Creek). Alternatively, the spreadsheet can be used on a POA basis.

All cells available for data entry or selection from a drop-down menu are highlighted. **The user may use the Tab, arrow, or Enter keys to move from cell to cell. Using the mouse to click from cell to cell may result in validation errors.**

Care must be taken to enter the data in the correct order identified in these instructions to avoid potential errors with the calculations and logic. For example, skipping a cell may prevent a calculation or produce an error message. The spreadsheet is protected. Formulas are not visible but are explained in this document. Validation that exists in the spreadsheet is highlighted and explained in this document.

READ AND FOLLOW INFORMATION IN THE INSTRUCTIONS



PCSM SCM Inventory

3800-PM-BCW0406b Rev. 10/2024
PCSM Module 2

STORMWATER CONTROL MEASURE

PCSM SCM Inventory					
SCM ID	SCM Name	Latitude	Longitude	DA Treated (acres)	Deviations from BMP Manual
1. Identify all PCSM SCMs planned for the project site and provide the information requested.					
<u>PCSM SCM Inventory</u>					
This section must be completed for all projects where structural or non-structural PCSM SCMs will be installed. This section can be skipped for projects qualifying as site restoration projects.					
1. Identify all PCSM SCMs planned for the project site.					
				<ul style="list-style-type: none"> Provide an SCM ID number for each listed SCM. If there are two SCMs in series, each SCM should be listed on a separate row with a separate number. These SCM ID numbers should also be identified on PCSM Plan Drawings. List the name of the SCM. Use the name that exists in published DEP guidance wherever possible. Report the latitude and longitude coordinates at the center of the SCM in decimal degree format, where a minimum of five digits is reported to the right of the decimal place. For SCMs that are activities, latitude and longitude may remain blank. Report the drainage area (DA) treated by the SCM, in acres. Explain any deviations from the Pennsylvania Stormwater Best Management Practices Manual (BMP Manual; 363-0300-002) in the space provided. For example, if the BMP Manual recommends a ponding depth no more than two feet and the SCM has been designed for 2.5 feet of ponding depth, report that deviation here. Attach a separate sheet if necessary to explain all deviations. 	
2. Area not treated by an SCM, Earth Disturbance Area (acres):				Area not treated by an SCM, Project Site Area (acres):	
3. <input type="checkbox"/> One or more SCMs will be located off-site. SCM IDs:					

Note: If a stormwater feature (i.e. vegetated swale) is planned on-site but not managing rate, volume or water quality it does not have to be listed as a PCSM SCM in this table. However, if that feature functions to transport runoff on-site to a SCM then it should be identified as a PCSM SCM in this table.

PCSM SCM Inventory

3800-PM-BCW0406b Rev. 10/2024
PCSM Module 2

[illegible]

Module 2 & PCSM Spreadsheet – Volume

3800-PM-BCW0406b Rev. 10/2024
PCSM Module 2

STORMWATER ANALYSIS – RUNOFF VOLUME											
Surface Water Name:						POA(s):					
1. <input type="checkbox"/> The design standard is based on volume management requirements in an Act 167 Plan approved by DEP within the past five years.											
2. <input checked="" type="checkbox"/> The design standard is based on managing the net change for storms up to and including the 2-year/24-hour storm.											
3. <input type="checkbox"/> An alternative design standard is being used.											
4. <input checked="" type="checkbox"/> A printout of DEP's PCSM Spreadsheet – Volume Worksheet is attached.											
5. 2-Year/24-Hour Storm Event: _____ inches Source of precipitation data: _____											
6. Stormwater Runoff Volume @ 2-Year/24-Hour Storm, Pre-Construction: _____ CF											
7. Stormwater Runoff Volume @ 2-Year/24-Hour Storm, Post-Construction: _____ CF											
8. Net Change (Post-Construction – Pre-Construction Volumes): _____ CF											
9. Identify all selected structural PCSM SCMs and provide the information requested. <input type="checkbox"/> Calculations attached											
SCM ID	Series	MRC	Vol. Routed to SCM (CF)	Inf. Area (SF)	Inf. Rate (in/hr)	Inf. Period (hrs)	Veg?	Media Depth (ft)	Storage Vol. (CF)	Inf. Credit (CF)	ET Credit (CF)
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
		<input type="checkbox"/>					<input type="checkbox"/>				
Total Infiltration & ET Credits (CF): _____											
Other Credits (CF) (Attach Calculations): _____											
Managed Release Credits (CF) (Attach MRC Design Summary): _____											
Volume Required to Manage (CF): _____											
Total Credits (CF): _____											

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4. **PCSM Spreadsheet.** Check the box if the Volume Worksheet in DEP's PCSM Spreadsheet was used for the stormwater volume management analysis and if a printout of the Volume Worksheet is attached. The PCSM Spreadsheet is available at www.dep.pa.gov/constructionstormwater, select "E&S Resources". The PCSM Spreadsheet uses the net change in the 2-year/24-hour storm as the design standard and calculates infiltration and evapotranspiration (ET) credits for selected SCMs using DEP-approved methods. If a completed Volume Worksheet is attached to the NOI or application, the applicant may skip questions #5 - #9 in this section and may omit supporting stormwater analysis calculations.



DEP PCSM Spreadsheet
Version 2.0, February 2025

Volume Management

Project: Farmer's Ag Project

Instructions General Volume Rate Quality CLEAR FORM

2-Year / 24-Hour Storm Event (NOAA Atlas 14): **2.89** inches Alternative 2-Year / 24-Hour Storm Event: _____ inches
Alternative Source: _____

Pre-Construction Conditions: No. Rows: **3** ☐ Exempt from Meadow in Good Condition ☒ Automatically Calculate CN, Ia, Runoff and Volume

Land Cover	Area (acres)	Soil Group	CN	Ia (in)	Q Runoff (in)	Runoff Volume (cf)
Pervious as Meadow	8.22	B	58	1.448	0.24	7,143
Forested (Good Condition)	1.36	B	55	1.636	0.17	822
Impervious Areas: Paved Parking Lots, Roofs, Driveways, Etc. (Excluding ROW)	0.42	N/A	98	0.041	2.66	4,054
TOTAL (ACRES):	10.00					TOTAL (CF): 12,019

Post-Construction Conditions: No. Rows: **2**

Land Cover	Area (acres)	Soil Group	CN	Ia (in)	Q Runoff (in)	Runoff Volume (cf)
Open Space (Lawns, Parks, Golf Courses, Cemeteries, Etc.) - Good Condition (Grass Cover > 75%)	6.98	B	61	1.279	0.32	8,218
Impervious Areas: Paved Parking Lots, Roofs, Driveways, Etc. (Excluding ROW)	3.02	N/A	98	0.041	2.66	29,147
TOTAL (ACRES):	10.00					TOTAL (CF): 37,365

T CHANGE IN VOLUME TO MANAGE (CF): 25,346

Non-Structural SCM Volume Credits:

☐ Tree Planting Credit _____

☐ Other (attach calculations): _____ Description: _____ CREDIT (CF): _____

Structural SCM Volume Credits: No. Structural SCMs: **1** Start SCM Numbering at: **1**

POA No.	SCM No.	SCM Name	MRC?	Discharge	Incremental SCM DA (acres)	Volume Routed to SCM (CF)	Infiltration / Vegetated Area (acres)	Infiltration Rate (in/hr)	Infiltration Period (hrs)	Vegetated?	Media Depth (ft)	Storage Volume (CF)	Infiltration Credit (CF)	ET Credit (CF)
001	1	Infiltration Basin	-	Off Site	6.99	33,228	31,738	0.50	30	No	1.0	30,495	33,228	
Totals:													33,228	

INFILTRATION & ET CREDITS (CF): 33,228


NET CHANGE IN VOLUME TO MANAGE (CF): 25,346

TOTAL CREDITS (CF): 33,228

Incremental SCM DA (acres) – Enter the drainage area, in acres, that is tributary to the reported SCM within the disturbed area. This value may be different than the drainage area reported on the General Worksheet for the POA (i.e., the POA may receive flows that are not treated by the SCM).

For downstream SCMs in series enter "0" if the only flows received are from an upstream SCM. If a downstream SCM receives flow from drainage areas that do not flow to upstream SCMs, enter the incremental SCM drainage area.

STORMWATER ANALYSIS – PEAK RATE								
Surface Water Name:					POA(s):			
1. <input type="checkbox"/> The design standard is based on rate requirements in an Act 167 Plan approved by DEP within the past five years.								
2. <input checked="" type="checkbox"/> The design standard is based on managing the net change for 2-, 10-, 50-, and 100-year/24-hour storms.								
3. <input type="checkbox"/> An alternative design standard is being used.								
4. <input type="checkbox"/> A printout of DEP's PCSM Spreadsheet – Rate Worksheet is attached.								
5. <input checked="" type="checkbox"/> Alternative rate calculations are attached.								
6. Identify precipitation amounts. Source of precipitation data:								
2-Year/24-Hour Storm:					10-Year/24-Hour Storm			
50-Year/24-Hour Storm:					100-Year/24-Hour Storm			
7. Identify all SCMs used to mitigate peak rate differences and provide the requested information.								
SCM ID	Inflow to SCM (cfs)				Outflow from SCM (cfs)			
	2-Yr	10-Yr	50-Yr	100-Yr	2-Yr	10-Yr	50-Yr	100-Yr
Alternative Calculations. If an applicant is required to complete this section and the Rate Worksheet is not attached to the NOI, or if only the Summary of Peak Rates table of the Rate Worksheet is provided, the applicant must submit supporting calculations in an alternative format as an attachment to the NOI and must complete the remainder of this section.								
8. Report peak rates for pre-construction and post-construction with SCMs and identify the differences.								
Design Storm	Pre-Construction Peak Rate (cfs)	Post-Construction Peak Rate (with SCMs) (cfs)			Difference (cfs)			
2-Year/24-Hour								
10-Year/24-Hour								
50-Year/24-Hour								
100-Year/24-Hour								



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DEP PSCM Spreadsheet
Version 2.0, February 2025

Rate Control

Project: Farmer's Ag Project

Instructions
General
Volume
Rate
Quality

CLEAR FORM

Precipitation Amounts:

NOAA 2-Year 24-Hour Storm Event (in):	2.89	Alternative 2-Year 24-Hour Storm Event (in):	
NOAA 10-Year 24-Hour Storm Event (in):	4.2	Alternative 10-Year 24-Hour Storm Event (in):	
NOAA 50-Year 24-Hour Storm Event (in):	6.03	Alternative 50-Year 24-Hour Storm Event (in):	
NOAA 100-Year 24-Hour Storm Event (in):	7.04	Alternative 100-Year 24-Hour Storm Event (in):	

☒ Report Summary of Peak Rates Only

Attach model input and output data or other calculations to support the rates reported below.

	Peak Discharge Rates (cfs)			
	Pre-Construction	Post-Construction	Net Change	
2-Year Storm:	2.19	0.22	-1.97	Rate Control Satisfied
10-Year Storm:	11.26	1.74	-9.52	Rate Control Satisfied
50-Year Storm:	26.05	4.45	-21.60	Rate Control Satisfied
100-Year Storm:	33.27	5.81	-27.46	Rate Control Satisfied

Version	Date	Change(s)
2.0	2/19/2025	1) Changed "discharge points" ("DPs") to "points of analysis" ("POAs"). 2) Changed "BMP" to "SCM". 3) Removed automatic MRC credit calculation in Volume Worksheet; Managed Release Credits must be entered as reported on the MRC Simplified Design Spreadsheet or MRC Spreadsheet, as applicable. 4) Removed requirement from Structural SCM Volume Credits Table (Volume Worksheet) that MRC SCMs must discharge off-site for the Managed Release Credits cell to be available (this cell will be available for any MRC SCM). 5) Updated formula for pre-construction pollutant loads to address the possibility that zero (0) will be calculated. 6) Rounded pre- and post-construction pollutant loads to 2 decimal places.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN																																																																			
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I certify under penalty of law and subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities) that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further certify that the structure, function, and calculations contained in this spreadsheet have not been modified in comparison to the spreadsheet DEP has posted to its website or, if modifications were made, an explanation of the modifications made is attached to this spreadsheet.																																																																																																										
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Module 2 & PCSM Spreadsheet Revisions

Latest Revisions

Module 2 – 10/2024

Module 2 Instructions – 2/2025

PCSM Spreadsheet – 2/2025 (Ver. 2.0)

PCSM Spreadsheet Instructions – 3/24/2025

DEP PCSM Spreadsheet Instructions
Revised, March 24, 2025

Revision History

Date	Version*	Revision Reason
3/24/2025	2.0	Identified future standards for determining saturated hydraulic conductivity to be entered into the Volume Worksheet (see explanation of Infiltration Rate). Added Attachment B to describe the basin flood test option for determining infiltration rate or Ksat in gravel / weathered rock.
2/28/2025	2.0	Clarified in NOTE 23 and the description of the Riparian Forest Buffer Credit (CF) that the volume that should be entered for Volume Routed to SCM when the SCM "Riparian Forest Buffer (Min 150 Ft)" is selected should be the net change in volume, not the total post-construction volume, within the project site area.
2/20/2025	2.0	Changed requirement in Volume Worksheet, Structural SCM Volume Credits table, that the Discharge column must be set to "Off-Site" in order for Managed Release Credits cell to be available when an MRC SCM is entered. Any selection for Discharge will make the Managed Release Credits available when the MRC? column is set to "Y".
11/18/2024	2.0	1) Changed "discharge points" ("DPs") to "points of analysis" ("POAs"). 2) Changed "BMP" to "SCM". 3) Removed automatic MRC credit calculation in Volume Worksheet; Managed Release Credits must be entered as reported on the MRC Simplified Design Spreadsheet or MRC Spreadsheet, as applicable.

3800-PM-BCW406b Rev. 2/2025
Module 2 Instructions

Revision History

Date	Version	Revision Reason
2/2025	1.1	Updated instructions to address changes to Module 2 including the addition of the Pre-Development Site Characterization section, the addition of the Impervious Surfaces section and questions regarding wetlands and thermal impacts (12/2024). Added NOTE 5 concerning use of the Modified Rational Method and variations thereof (2/2025).
12/2019	1.0	Original

DEP PCSM Spreadsheet
Version 2.0, February 2025


Version	Date	Change(s)
2.0	2/19/2025	1) Changed "discharge points" ("DPs") to "points of analysis" ("POAs"). 2) Changed "BMP" to "SCM". 3) Removed automatic MRC credit calculation in Volume Worksheet; Managed Release Credits must be entered as reported on the MRC Simplified Design Spreadsheet or MRC Spreadsheet, as applicable. 4) Removed requirement from Structural SCM Volume Credits Table (Volume Worksheet) that MRC SCMs must discharge off-site for the Managed Release Credits cell to be available (this cell will be available for any MRC SCM). 5) Updated formula for pre-construction pollutant loads to address the possibility that zero (0) will be calculated. 6) Rounded pre- and post-construction pollutant loads to 2 decimal places.
1.9	10/18/2021	1) Modified dropdown list for Infiltration Period (Volume Worksheet, Structural BMP Volume Credits table) to eliminate hours 1-11 (i.e., the minimum Infiltration Period must be 12 hours). 2) Updated median outflow concentrations (MOCs) for structural BMPs based on the latest analysis of literature data.

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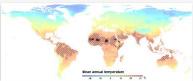
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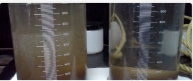


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Act 162

Construction Stormwater

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- [PAG-02 General NPDES Permit for Discharges of Stormwater Associated with Construction Activities](#) (visit DEP's Clean Water Academy for [training on PAG-02](#))
- [Application for an Individual NPDES Permit for Discharges of Stormwater Associated with Construction Activities](#)
- [Notice of Intent \(NOI\) for Coverage under the Erosion and Sediment Control General Permit \(ESCGP-4\) for Earth Disturbance Associated with Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities](#)
- [Application for an Individual Erosion and Sediment Control \(E&S\) Permit](#)
- [Chapter 102 Permit Modules](#) (E&S Module 1, PCSM Module 2, Antidegradation Module 3, and Riparian Buffer Module 4)
 - Note the 2019 versions of [Module 1](#) and [Module 2](#) may be submitted up to 3/7/25
- [Application for NPDES or WQM Permit Transfer](#) (used for transferring Chapter 102 permits and other permits)
- [Application for NPDES or WQM Permittee Name Change](#) (used when a permittee's name changes but there is not a permit transfer)
- [General Information Form \(GIF\)](#) (used for Individual NPDES and E&S Permits)

Published Forms

- [Chapter 102 Forms](#) - this folder contains the Co-Permittee Liability Release Form, Co-Permittee Acknowledgement Form for Chapter 102 Permits, Chapter 102 Permit Notification Form, Chapter 102

Comments and Questions

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717-240-7812

