NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES POST-CONSTRUCTION STORMWATER MANAGEMENT (PCSM) MODULE 2

Applicant:

Project Site Name:

Surface Water Name(s):

Surface Water Use(s):

PCSM PLAN INFORMATION

1. Identify all structural and non-structural PCSM BMPs that have been selected and provide the information requested.

Discharge Point(s)	BMP ID	BMP Name	BMP Manual	Latitude	Longitude	DA Treated (ac)	
Undetained Areas: acre(s)							
The Project Qualifies as a Site Restoration Project (25 Pa. Code §102.8(n))							
 Describe the sequence of PCSM BMP implementation in relation to earth disturbance activities and a schedule of inspections for the critical stages of PCSM BMP installation. 							

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3.	Plan drawings have been developed for the project and will be available on-site.
4.	Plan drawings have been developed for the project and are attached to the NOI/application.
5.	Recycling and proper disposal of materials associated with PCSM BMPs are addressed as part of long-term operation and maintenance of the PCSM BMPs.
6.	Identify naturally occurring geologic formations or soil conditions that may have the potential to cause pollution after earth disturbance activities are completed and PCSM BMPs are operational and the applicant's plan to avoid or minimize potential pollution and its impacts.
7.	Identify whether the potential exists for thermal impacts to surface waters from post-construction stormwater. If such potential exists, identify BMPs that will be implemented to avoid, minimize, or mitigate potential thermal impacts.
8.	The PCSM Plan has been planned, designed, and will be implemented to be consistent with the E&S Plan.
9.	A pre-development site characterization has been performed.

			STORM	WATER AN	RMWATER ANALYSIS – RUNOFF VOLUME	NOFF VO	DUME				
Surface Water Name:							Discha	Discharge Point(s):			
ו standa	ard is base	ed on volume mar	agement red	quirements in	an Act 167 Pla	an approv	ed by DEP withi	The design standard is based on volume management requirements in an Act 167 Plan approved by DEP within the past five years.	ars.		
ו standa	ard is base	The design standard is based on managing the net change for storms up to and including the 2-year/24-hour storm.	ne net chang	e for storms u	up to and inclue	ding the 2	-year/24-hour st	orm.			
tive des	ign stands	An alternative design standard is being used.									
of DEP'	s PCSM S	breadsheet – Vo	lume Worksh	neet is attache	ed.						
ır Storm	ו Event:	ino		urce of precip	oitation data:						
unoff Vo	olume, Pre	-Construction Co	nditions:		СF	Calcu	lations attached				
unoff Vo	olume, Pos	t-Construction Co	onditions:		СF	Calcu	lations attached				
ost-Cor	nstruction	 Pre-Constructic 	on Volumes):		CF						
scted str	ructural P(CSM BMPs and p	rovide the in	formation req		🗌 Calcu	lations attached				
DI D	Series	Vol. Routed to BMP (CF)	Inf. Area (SF)	Inf. Rate (in/hr)	Inf. Period (hrs)	Veg?	Media Depth (ft)	Storage Vol. (CF)	Inf. Credit (CF)	ET Credit (CF)	
	but of DEP' Hour Storm r Runoff Vo e (Post-Col selected sti BMP ID	A printout of DEP's PCSM S 2-Year/24-Hour Storm Event: Stormwater Runoff Volume, Pre Stormwater Runoff Volume, Pos Net Change (Post-Construction Identify all selected structural Pos P No. BMP ID Series Identify	of DEP's PCSM Spreadsheet – Vo ur Storm Event: inc unoff Volume, Pre-Construction Co unoff Volume, Post-Construction Co Post-Construction – Pre-Construction Co ected structural PCSM BMPs and p ected structural PCSM BMPs and p AP ID Series Vol. Routed AP ID Series to BMP (CF)	□ A printout of DEP's PCSM Spreadsheet – Volume Workst 2-Year/24-Hour Storm Event: inches So 2-Year/24-Hour Storm Event: inches So Stormwater Runoff Volume, Pre-Construction Conditions: Stormwater Runoff Volume, Post-Construction Conditions: Stormwater Runoff Volume, Post-Construction Volumes): Not Post-Construction – Pre-Construction Volumes): Net Change (Post-Construction – Pre-Construction Volumes): Not BMP ID Series Vol. Routed Inf. Area P No. BMP ID Series Vol. Routed Inf. Area Inf. Area P No. BMP ID Series Vol. Routed Inf. Area Inf. Area P No. BMP ID Series Vol. Routed Inf. Area Inf. Area P No. BMP ID Series Vol. Routed Inf. Area Inf. Area P No. Inf. Area Inf. Area Inf. Area Inf. Area Inf. Area P No. Inf. Inf. Inf. Inf. Inf. Inf. Inf. Inf.	□ A printout of DEP's PCSM Spreadsheet – Volume Worksheet is attacht 2-Year/24-Hour Storm Event: inches Source of preci Stormwater Runoff Volume, Pre-Construction Conditions: Source of preci Stormwater Runoff Volume, Pre-Construction Conditions: Source of preci Stormwater Runoff Volume, Post-Construction Volumes): Inches Source of preci Identify all selected structural PCSM BMPs and provide the information req Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. BMP ID Series Vol. Routed Inf. Area Inf. Rate > No. Inf. Area Inf. Area Inf. Rate Inf. Area > No. Inf. Inf. Inf. Inf. Inf. Inf. Inf. Inf.	eet is attached. urce of precipitation data: CF CF CF CF CF CF CF CF CF CF	data:	data:	data: data: Calculations attached Calculations attached Calculations attached Calculations attached Calculations attached Veg? Media Depth (ft) Image: Signed in the second interval interv	data: Calculations attached Calculations attached Calculations attached Calculations attached Calculations attached Calculations attached Calculations attached Calculations attached Calculations Calculation	data:: Calculations attached Calculations attached

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Volume Required to Reduce/Manage (CF):

Managed Release Credits (CF) (Attach MRC Design Summary):

Non-Structural BMP Volume Credits (CF) (Attach Calculations):

Total Infiltration & ET Credits (CF):

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	INFILTRATION INFORMATION							
BN	IP ID: Soil/geologic test results are attached.							
1.	No. of infiltration tests completed:							
2.	Method(s) used for infiltration testing:							
3.	Test Pit Identifiers (from PCSM Plan Drawings):							
4.	Avg Infiltration Rate: in/hr 5. FOS: : 1							
6.	Infiltration rate used for design: in/hr							
7.	Separation distance between the BMP bottom and bedrock: feet							
8.	Separation distance between the BMP bottom and seasonal high-water table: feet							
9.	Comments:							
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6.	Infiltration Rate Used for Design: in/hr							
7.	Separation distance between the BMP bottom and bedrock: feet							
8.	Separation distance between the BMP bottom and seasonal high-water table: feet							
9.	Comments:							

STORMWATER ANALYSIS – PEAK RATE									
Surface Water Name: Discharge Point(s):									
1. 🗌 The design standard is based on rate requirements in an Act 167 Plan approved by DEP within the past five years.							ears.		
2. 🗌 The design sta	andard is base	ed on manag	ging the net	change for 2	-, 10-, 50-, a	and 100-yea	r/24-hour st	torms.	
3. An alternative	design standa	ard is being	used.						
4. A printout of D	-	-		kshoot is att	ached				
		•							
5. 🗌 Alternative rate									
6. Identify precipitation	on amounts.	Sourc	e of precipit	ation data:					
2-Year/24-Hour St	2-Year/24-Hour Storm: 10-Year/24-Hour Storm								
50-Year/24-Hour Storm: 100-Year/24-Hour Storm									
7. Report peak discharge rates, pre- and post-construction (without BMPs), based on a time of concentration analysis.									
Design Storm Pre-Construction Peak Rate (cfs)			eak Rate	Post-Con	Post-Construction Peak Rate (cfs) Difference (cfs)				fs)
2-Year/24-Hour									
10-Year/24-Hour									
50-Year/24-Hour									
100-Year/24-Hour									
8. Identify all BMPs used to mitigate peak rate differences and provide the requested information.									
BMP ID		Inflow to BMP (cfs) Outflow from BMP (cfs)						5)	
		2-Yr	10-Yr	50-Yr	100-Yr	2-Yr	10-Yr	50-Yr	100-Yr
0 Depart peak rates	for any const			ation with DN	1Do ond ido	atify the diffy		<u> </u>	
9. Report peak rates for pre-construction and post-construction with BMPs and identify the differences. Pre-Construction Peak Rate Pre-Construction Peak Rate									
Design Storm	Pre-Cons	(cfs)	ak Rate		th BMPs) (c		Di	fference (c	fs)
2-Year/24-Hour									
10-Year/24-Hour									
50-Year/24-Hour									
100-Year/24-Hour									

STORMWATER ANALYSIS – WATER QUALITY							
🗌 A printou	A printout of DEP's PCSM Spreadsheet – Quality Worksheet is attached for all surface waters receiving discharges.						
	LONG	-TERM O&M					
Describe the	Describe the long-term operation and maintenance (O&M) requirements for each selected PCSM BMP.						
BMP ID		O&M Requirements					
	PCSM PLAN DEVELOPER						
🗌 I am trai	I am trained and experienced in PCSM methods.						
Name:		Title:					
Company:		Phone No.:					
Address:		Email:					
City, State, ZIP:		License No.:					
License Type:		Exp. Date					
	PCSM Plan Developer Signature Date						