pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

OFFICIAL USE ONLY
ID # _____
Date Received _____

PERMIT APPLICATION
NOTICE OF INTENT FOR COVERAGE
UNDER THE GENERAL (PAG-02) NPDES PERMIT
OR
APPLICATION FOR AN INDIVIDUAL NPDES
PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH CONSTRUCTION ACTIVITIES

PLEASE READ THE PERMIT SUMMARY SHEET AND INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. COMPLETE THE ATTACHED CHECKLIST AND APPROPRIATE WORKSHEETS ATTACHED AFTER APPENDIX C OF THIS PERMIT APPLICATION. COMPLETE ALL APPLICABLE WORKSHEETS REFERENCED IN THE APPLICATION CHECKLIST.

PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

CHECK APPROPRIATE BOX **GENERAL** ☐ **INDIVIDUAL** ☐

APPLICATION TYPE **NEW** ☐ **RENEWAL** ☐ **MAJOR MODIFICATION** ☐ **PHASED** ☐

SECTION A. APPLICANT INFORMATION

Applicant's Last Name	First Name	MI	Phone FAX	
Email Address				
Organization Name or Registered Fictitious Name			Phone FAX	
Mailing Address	City		State	ZIP + 4
			Employer ID (EIN)	
Co-Applicant's Last Name (if applicable)	First Name	MI	Phone FAX	
Email Address				
Organization Name or Registered Fictitious Name			Phone FAX	
Mailing Address	City		State	ZIP + 4

SECTION B. PROJECT INFORMATION AND SITE ANALYSIS

1. Project Name:
2. Total Project Site (Acres): _____
3. Total Disturbed Area (Acres): _____
4. Project Description

☐ Residential Subdivision ☐ Sewerage/Water System ☐ Private Road/Residence
☐ Commercial/Industrial ☐ Public Road ☐ Government Facility
☐ Utility Facility/Transmission ☐ Recreational ☐ Remediation/Restoration

5. Project Location or Physical Address (if available):

6. County Municipality City ☐ Boro ☐ Twp ☐

7. Latitude: ____°/ ____'/ ____" Longitude: ____°/ ____'/ ____"

Collection Method: ☐ EMAP ☐ HGIS ☐ GISDR ☐ ITPMP ☐ GPS ☐ WAAS ☐ LORAN

Check the horizontal reference datum (or projection datum) employed in the collection method. EMAP and HGIS (PNDI) have known datum and do not require checking here. ☐ NAD27 ☐ NAD83 ☐ WGS84 (GEO84)

Enter the date of collection if the lat and long coordinates were derived from GPS, WAAS or LORAN. _____ mm _____ dd _____ yyyy

8. U.S.G.S. Quad Map Name _____

9. Existing and Previous Uses of the Land Proposed for Construction (use separate sheet if necessary):

Existing Land Uses: ☐ Agriculture ☐ Forest/Woodland ☐ Barren ☐ Urban ☐ Brownfield ☐ Other

Description: _____

Previous Land Uses: ☐ Agriculture ☐ Forest/Woodland ☐ Barren ☐ Urban ☐ Brownfield ☐ Other

Description: _____

10. **Site Analysis**

a. Describe how Natural Resources features on the site (Worksheets 2 and 3 referenced in the Pa. Stormwater BMP Manual) were considered in: Location and Design of the project, E & S Plan Design, PCSM Plan Design. (attach additional sheet if necessary)

b. Identify naturally occurring geologic formations or soil conditions that may have the potential to cause pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formation.

11. Potential Toxic or Hazardous Pollutants: (Submit the following data if soil contaminant, geology or past or present land use provides a potential for contaminated runoff from the project site) N/A ☐ Use additional sheets if necessary.

Pollutant	Concentration w/Units	Source	Sample Type	Date(s) / Number of Samples

12. **Fill Material**

Based on a cut/fill analysis of the project site, will the site need to import fill, export fill or will the site balance? Be sure to read the instructions before completing this section. Clean Fill can not be placed in or on waters of the Commonwealth.

Check the appropriate box

☐ Import fill – the Operator will, in most situations, be responsible to perform environmental due diligence and determine that all fill imported to the site meets the department's definition of clean fill. The plan designer must include a note on the drawings to identify the operator(s) responsibility and provide the definition of Clean Fill and Environmental Due Diligence.

☐ Export fill – the Applicant is responsible for performing environmental due diligence at the time this application was submitted to determine that any fill exported from the site will be certified as clean fill.

☐ Balance all cuts and fills with the amount of rock and soil available on the site.

13. Estimated Timetable for Phased Projects Build Out (Complete for phased projects only)

Phase No. or Name	Proposed Type of Activity	Total Area	Disturbed Area	Start Date	End Date

14. Stormwater Discharges to nearest receiving stream (during construction). Check all that apply:

Waters of the Commonwealth ☐ Municipal Separate Storm Sewer ☐ Private Storm Sewer ☐ Non Surface Waters ☐

Impaired Waters According to Category 4 or 5 of PA Integrated Water Quality Monitoring and Assessment Report ☐

If waters are impaired list type of impairment: _____

Receiving Water/Watershed Name:	Chapter 93 Receiving Water Classification: (Designated use)	Existing Use (if different from the Designated use)
Name of Municipal Storm Sewer Operator:	Name of Private Storm Sewer Operator:	Other: (including off-site discharges)

Will you meet CG-1? ☐ Yes ☐ No

If no, you may need to use worksheets 11 through 13.

SECTION C. E & S AND POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLAN

Note: For projects involving multiple watershed boundaries, please submit a complete, separate Section C for each additional watershed.

1. Provide a brief summary of proposed BMPs and their performance to manage E & S for the project. If E & S BMPs and their application do not follow the guidelines referenced in the Pa. Erosion and Sediment Pollution Control Program Manual, provide documentation to demonstrate peformance equivalent to, or better than, the BMPs in the Manual.

E & S BMPs

2. **PCSM Plan Information** - The PCSM Plan should be designed to maximize volume reduction technologies, eliminate (where possible) or minimize point source discharges to surface waters, preserve the integrity of stream channels, and protect the physical, biological and chemical qualities of the receiving surface water. **The DEP recommends the use of Control Guideline 1 (CG1) referenced in the Pa. Stormwater BMP Manual to achieve this goal.**

Design standards applied to develop the PCSM Plan. Check those that apply.

☐ Act 167 Plan - The attached PCSM plan is consistent with an applicable approved Act 167 Plan. **A letter of consistency from the Municipal or County Engineer should be provided with the application.** Complete and submit all applicable worksheets referenced in the application checklist as part of the permit application for each approved Act 167 Plan.

Complete the following table for all applicable approved Act 167 Stormwater Management Plans. (use additional sheets if necessary)

ACT 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐ Consistency Letter Pending ☐

☐ The attached PCSM plan is consistent with all applicable local stormwater management ordinances, including MS4 (NPDES Permit to Discharge Stormwater Through a Municipal Separate Storm Sewer System) ordinances. **A letter of consistency from the Municipal or County Engineer should be provided with the application.** Complete and submit all applicable worksheets referenced in the application checklist as part of the permit application.

Complete the following table for all applicable Municipalities. (use additional sheets if necessary)

Municipality Name	Ordinance Number	Consistency Letter Included ☐
_____	_____	Consistency Letter Pending ☐

The PCSM Plan must satisfy either subparagraph A, B **or** C below. Check those that apply.

A. ☐ Act 167 Plan approved on or after January 2005 – The attached PCSM Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005.

B. ☐ The PCSM Plan meets the standard design criteria from the PA Stormwater BMP Manual.

OR

C. ☐ Alternative Design Standard – The attached PCSM plan was developed using approaches other than 102.8(g)(2). Demonstrate/explain in the space provided how this standard will be either more protective than what is required in 102.8(g)(2) or will maintain and protect existing water quality and existing and designated uses.

3. **Riparian Buffers**

A. Will you be protecting, converting or establishing a riparian buffer or a riparian forest buffer as a part of this project?
☐ Yes ☐ No

B. If the regulations require a riparian buffer or riparian forest buffer and you are not providing one, please list the waiver provisions in the Chapter 102 regulations, Section 102.14(d)(2)(*i*)-(*vi*), that you are requesting and provide additional documentation to demonstrate reasonable alternatives for compliance with 102.14 requirements.

C. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project? ☐ Yes ☐ No

If yes you must include a Riparian Forest Buffer Management Plan as part of the PCSM plans.

4. **Summary Table for Supporting Calculation and Measurement Data**

Please reference the Stormwater Methodology used (Numbers generated in this table should be consistent with worksheets 1-5.)

_____

	Pre-construction	Post Construction	Net Change
Design storm frequency _____ Rainfall amount _____ inches			
Impervious area (acres)	1	2	3
Volume of stormwater runoff ☐ acre-feet or ☐ cubic feet without planned stormwater BMPs (check appropriate box)	4	5	6
Volume of stormwater runoff ☐ acre-feet or ☐ cubic feet with planned stormwater BMPs (check appropriate box)		7	8
Stormwater peak discharge rate for the design frequency storm (cubic feet per second)	9	10	11

Box 1. **Pre-construction impervious area**: The total acres of impervious area on the project site before construction activities begin, based on land use for five years preceding the planned project.

Box 2. **Post construction impervious area**: The total acres of impervious area on the project site after construction activities have been completed.

Box 3. **Net change of impervious area**: The difference between the acres of impervious area listed in Box 1 and Box 2. Zero or negative values are acceptable.

Box 4. **Pre-construction stormwater runoff volume without planned BMPs**: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence before construction activities begin, based on land use for five years preceding the project.

Box 5. **Post construction stormwater runoff volume without planned BMPs**: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence after construction activities have finished assuming that no stormwater infiltration or retention BMPs have been installed.

Box 6. **Net change in stormwater volume without planned BMPs**: The difference between the amounts of stormwater runoff volume listed in Box 4 and Box 5.

Box 7. **Post construction stormwater runoff volume with planned BMPs**: The amount of stormwater runoff volume from the project site that would result from the design storm occurrence after construction activities have finished and the planned stormwater infiltration or retention BMPs have been installed.

Box 8. **Net change in stormwater runoff volume with planned BMPs**: The difference between the amounts of stormwater runoff volume listed in Box 4 and Box 7.

Box 9. **Pre-construction stormwater discharge rate**: The stormwater runoff discharge rate for the design frequency storm as determined by the land use for the past five years.

Box 10. **Post construction stormwater discharge rate**: The stormwater runoff discharge rate for the design frequency storm event after all planned stormwater BMPs are installed.

Box 11. **Net change stormwater discharge rate**: The difference between the stormwater runoff discharge rates listed in Box 9 and Box 10.

5. **Summary Description of Post Construction Stormwater BMPs (consistent with the design or applicable worksheets)**

Key: **RC = Rate Control** **VC = Volume Control** **WQ = Water Quality**

In the lists below, check the BMPs identified in the PCSM Plan, and their function(s) using the above Key. More than one function may be checked for a BMP. List the stormwater volume and area of runoff to be treated by each BMP type. If any BMP in the PCSM Plan is not listed below, describe it in the space provided after "Other".

BMP	Function(s)	Volume of stormwater treated	Acres treated
☐ Wet ponds	☐ VC ☐ RC ☐ WQ		
☐ Constructed wetlands	☐ VC ☐ RC ☐ WQ		
☐ Retention basins	☐ VC ☐ RC ☐ WQ		
☐ Detention basin	☐ VC ☐ RC ☐ WQ		
☐ Underground detention	☐ VC ☐ RC ☐ WQ		
☐ Dry Extended detention basin	☐ VC ☐ RC ☐ WQ		
☐ Sediment fore bay	☐ VC ☐ RC ☐ WQ		
☐ Infiltration trench	☐ VC ☐ RC ☐ WQ		
☐ Infiltration Berm/Retentive Grading	☐ VC ☐ RC ☐ WQ		
☐ Subsurface Infiltration bed	☐ VC ☐ RC ☐ WQ		
☐ Infiltration basin	☐ VC ☐ RC ☐ WQ		
☐ Pervious pavement	☐ VC ☐ RC ☐ WQ		
☐ Dry well/Seepage pit	☐ VC ☐ RC ☐ WQ		
☐ Bio-infiltration areas	☐ VC ☐ RC ☐ WQ		
☐ Rain gardens/Bio-retention	☐ VC ☐ RC ☐ WQ		
☐ Vegetated swales	☐ VC ☐ RC ☐ WQ		
☐ Constructed filters	☐ VC ☐ RC ☐ WQ		
☐ Protect Sensitive & Special Value Features	☐ VC ☐ RC ☐ WQ		
☐ Protect/Convert/Establish Riparian buffers	☐ VC ☐ RC ☐ WQ		
☐ Restoration: Buffers/ Landscape/Floodplain	☐ VC ☐ RC ☐ WQ		
☐ Disconnection from storm sewers	☐ VC ☐ RC ☐ WQ		
☐ Rooftop disconnection	☐ VC ☐ RC ☐ WQ		
☐ Vegetated roofs	☐ VC ☐ RC ☐ WQ		
☐ Runoff capture/Reuse	☐ VC ☐ RC ☐ WQ		
☐ Oil/grit separators	☐ WQ		
☐ Water quality inserts/inlets	☐ WQ		
☐ Street sweeping	☐ WQ		
☐ Other _____	☐ VC ☐ RC ☐ WQ		
☐ Other _____	☐ VC ☐ RC ☐ WQ		

6. **Off Site Discharge Analysis**

Does the project propose any off-site discharges to areas other than surface waters? ☐ **Yes** ☐ **No**

If yes, the applicant must have appropriate easement that provides the legal authority for this off-site discharge.

Applicant must provide a demonstration in both the E&S and PCSM plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

7. **Thermal Impacts Analysis**

Please explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

8. Identify the critical stages of implementation of the PCSM plan for which a licensed professional or designee shall be present on site:

SECTION D. ANTIDEGRADATION ANALYSIS MODULE

This Section is to be completed for Special Protection Watershed Only. (HQ/EV and EV Wetlands)

PART 1 NON-DISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- **Minimize accelerated erosion and sedimentation during the earth disturbance activity**
- **Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality**

E & S Plan	Official Use Only	PCSM Plan	Official Use Only
Check off the environmentally sound non-discharge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on your site analysis. For BMPs not checked, provide an explanation of why they were not utilized. (attach additional sheets if necessary)		Check off the environmentally sound non-discharge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into your PCSM Plan based on your site analysis. For BMPs not checked, provide an explanation of why they were not utilized. (attach additional sheets if necessary)	
Non-discharge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft min) ☐ Riparian Forest Buffer (150 ft min) ☐ Other _____		**Non-discharge BMPs** ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft min) ☐ Riparian Forest Buffer (150 ft min) ☐ Infiltration ☐ Water Reuse ☐ Other _____	

Part 2 Antidegradation Best Available Combination of Technologies (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by non-discharge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	Official Use Only	PCSM Plan	Official Use Only
☐ **Treatment BMPs:** ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☐ **Land disposal:** ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Immediate stabilization ☐ **Pollution prevention:** ☐ PPC Plans ☐ Street sweeping ☐ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ **Stormwater reuse technologies:** ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ **Other** _____		☐ **Treatment BMPs:** ☐ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☐ Vegetated swales ☐ Manufactured devices ☐ Bio-retention/infiltration ☐ Green Roofs ☐ **Land disposal:** ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☐ **Pollution prevention:** ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☐ PPC Plans ☐ Non-structural Practices ☐ Land Preservation ☐ Restoration BMPs ☐ **Stormwater reuse technologies:** ☐ Cisterns ☐ Rain barrels ☐ Dry hydrant with underground storage ☐ Spray/Drip Irrigation ☐ **Other** _____	
Are the ABACT BMPs selected sufficient to minimize E & S discharges to the extent that existing or designated surface water uses are protected? ☐ Yes ☐ No. If no, and the project is located in a HQ water, proceed to Part 3.		Are the ABACT BMPs selected sufficient to achieve no net change to the extent that existing or designated surface water uses are protected? ☐ Yes ☐ No. If no, and the project is located in a HQ water, proceed to Part 3.	

Part 3 Social or Economic Justification (SEJ) (for projects in high quality waters only)

If the applicant cannot demonstrate that the net change in discharge will protect the existing quality of the receiving surface waters, for projects in HQ waters, the applicant may pursue the SEJ process for demonstrating that lowering water quality is necessary to accommodate important economic or social development in the area in which the waters are located, in accordance with Chapter 10 of the Water Quality Antidegradation Implementation Guidance Manual, DEP Document ID No. 391-0300-002.

SECTION E. CONSULTANT FOR THIS PROJECT

Last Name	First Name	MI

Title	Consulting Firm	

Mailing Address

City	State	ZIP+4

Email

Phone Ext

FAX

SECTION F. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any permits issued by DEP or any regulated activities within the past five years?

☐ Yes ☐ No

If yes, list each permit or project that is/was in violation and provide compliance status of the activity (use additional sheets to provide information on all permits).

Permit Program or Activity: Permit Number (if applicable):

Brief description of non-compliance:

Steps taken to achieve compliance	Date(s) Compliance Achieved

Current Compliance Status: ☐ In-Compliance ☐ In Non-Compliance

If the applicant is not in compliance with any permit requirement of DEP Regulations or regulated activity, provide a narrative description of how the applicant will achieve compliance with the permit requirement or activity, including the schedule for achieving compliance with appropriate milestones.

SECTION G. PERMIT COORDINATION

Does the applicant (owner and/or operator) have, have pending, or require any other environmental permits for this project and any additional planning requirements?

☐ Yes ☐ No If yes, list each permit or approval, permit number, and description.

Coordination Questions

1. Does the project involve any of the following: Placement of fill, excavation within or a placement of a structure located in, along, across, or projecting into a water course, floodway or body of water (including wetlands)?

   ☐ Yes ☐ No If yes, identify which authorization under Chapter 105 is applicable.

   ☐ Joint Permit ☐ General Permit ☐ Waiver

2. What is your 537 Plan status? Please note that 537 Plan approval is required prior to initiation of earth disturbance activity.

3. Is your project associated with a Brownfield's Remediation? ☐ Yes ☐ No If yes, please indicate any coordination to date with the Environmental Cleanup Program (Act 2 or Superfund).

4. Are there any additional permits or approvals that may be required for this project? ☐ Yes ☐ No If yes, please list them.

SECTION H. CERTIFICATION

Applicant Certification

I certify under penalty of law that this application and all related attachments were prepared by me or under my direction or supervision by qualified personnel to properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the NPDES permit, and that BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or both for knowing violations pursuant to Section 309(c)(4) of the Clean Water Act and, 18 Pa. C.S. §§4903-4904.

Applicant	**Co-Applicant (if applicable)**
_____	_____
Print Name and Title of Person Signing	Print Name and Title of Person Signing
( ) _____	( ) _____
Telephone Number of Person Signing	Telephone Number of Person Signing
_____	_____
Signature of Applicant	Signature of Co-Applicant
_____	_____
Date Signed	Date Signed

Please note below the name, address and telephone number of the individual that should be contacted in the event additional information is required.

Name: _____

Address: _____

Telephone: ( ) _____ FAX: ( ) _____

Notarization:

Commonwealth of Pennsylvania

County of _____

Sworn to and Subscribed to Before Me This

_____ Day of _____, 20_____

NOTARY

SEAL

_____

Notary Public

My Commission Expires: _____

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERSHED MANAGEMENT

APPLICATION CHECKLIST
GENERAL NPDES PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

Please check the following list to make sure that you have included all the required information. Place a check mark in the column provided for all items completed and/or provided. Failure to provide all of the requested information will delay the processing of the application and may result in the application being placed ON HOLD with NO ACTION, or being considered withdrawn and the application file closed.

THIS CHECKLIST MUST BE COMPLETED AND ENCLOSED WITH YOUR GENERAL PERMIT APPLICATION FORM

	✓CHECKLIST FOR NEW GENERAL NPDES PERMIT APPLICATION			Applicant Check √ If Included	Official Use Only
1.	Fully completed, properly signed and notarized Notice of Intent Form (1 original and 2 copies).			☐	☐
2.	Complete Erosion and Sediment Control Plans. (3 copies) Location: Drawings (D), Narrative (N).			☐	☐
	a. Written Narrative *(Must be labeled "E&S Plan" or "Erosion & Sediment Control Plan", be complete & legible, and be the final plan for construction)* Written Narrative Includes the following:	Location **N**	Page _____	☐	☐
	i. USGS map with outline of project site	Location **N**	Page _____	☐	☐
	ii. Soils information (including hydric soils) Types, depth, slope and locations of soils	Location **N**	Page _____	☐	☐
	iii. Physical characteristics and limitations of soils	Location **N**	Page _____	☐	☐
	iv. Supporting calculations to show anticipated peak flows for the design storms	Location **N**	Page _____	☐	☐
	v. Analysis of the impact that runoff from the project site will have on existing downstream watercourses resistance to erosion	Location **N**	Page _____	☐	☐
	vi. Provide supporting calculations, standard worksheet, and narrative description of the location for all proposed E&S Control BMPs used before, during and after earth disturbance including but not limited to the following:				
	A. Channels	Location **N**	Page _____	☐	☐
	B. Sediment Basins	Location **N**	Page _____	☐	☐
	C. Sediment Traps	Location **N**	Page _____	☐	☐
	D. Filter Fabric Fencing	Location **N**	Page _____	☐	☐
	E. Outlet Protection	Location **N**	Page _____	☐	☐
	F. Other BMPs (Specify) _____	Location **N**	Page _____	☐	☐

				Applicant Check √ If Included	Official Use Only
	G. Other BMPs (Specify) _____	Location **N**	Page _____	☐	☐
b.	Plan Drawings *(Must be labeled "E&S Plan" or "Erosion & Sediment Control Plan", be complete & legible, and be the final plan for construction)* Drawings include the following:	Location **D**	Page _____	☐	☐
	i. Legend for any symbols that may be used on the drawing	Location **D**	Page _____	☐	☐
	ii. Topographic Features including existing contours, improvements, streams, wetlands, watercourses, etc. and sufficient surrounding area	Location **D**	Page _____	☐	☐
	iii. Soil types and locations	Location **D**	Page _____	☐	☐
	iv. Construction techniques or special considerations to address soil limitations	Location **D**	Page _____	☐	☐
	v. Limits of project site, NPDES boundary	Location **D**	Page _____	☐	☐
	vi. Limits of earth disturbance	Location **D**	Page _____	☐	☐
	vii. Proposed alteration including proposed contours and proposed improvements	Location **D**	Page _____	☐	☐
	viii. Maximum during construction drainage areas to hydraulic BMPs	Location **D**	Page _____	☐	☐
	ix. Location of water which may receive runoff and receiving water classification pursuant to Chapter 93 and the "statewide existing use listing"	Location **D**	Page _____	☐	☐
	x. Standard Construction Details for all proposed E&S Control BMPs used before, during and after earth disturbance	Location **D**	Page _____	☐	☐
	xi. Location of BMPs showing final contours are identified	Location **D**	Page _____	☐	☐
	xii. Complete and site specific sequence of BMP installation and removal including activities planned to limit exposed areas	Location **D**	Page _____	☐	☐
	xiii. Procedures or Note requiring the proper recycling or disposal of waste materials associated with the project site	Location **D**	Page _____	☐	☐
	xiv. Maintenance Program including inspection schedule, sediment cleanout levels, repair parameters and time frames, and directions for sediment removal	Location **D**	Page _____	☐	☐
	xv. Note explaining responsibilities for fill materials including definition of environmental due diligence and clean fill	Location **D**	Page _____	☐	☐

Checklist

				Applicant Check √ If Included	Official Use Only
3.	Permit filing fee of $500 payable to the appropriate Clean Water Fund.			☐	☐
4.	Disturbed acre fee payable to the Commonwealth of Pennsylvania Clean Water Fund.			☐	☐
5.	Notifications to the local municipality and county governments that specify Acts 67 and 68 Coordination, and that the application is for a general NPDES stormwater permit authorizing the discharge of stormwater during construction activities. A "sample" notification letter is provided in Appendices B and C.			☐	☐
6.	Proof of receipt of municipal notifications; copies of certified mail receipts or acknowledgment letters from the local municipality and county government. (3 copies)			☐	☐
7.	The PNHP Review receipt for the project area. Include impact clearance letters if proof of agency coordination is required. (3 copies)			☐	☐
8.	Complete Post Construction Stormwater Management Plan. (3 copies) Location: Drawings (D), Narrative (N).			☐	☐
	a. Written Narrative *(Must be separate from E&S Plan and labeled "PCSM" or Post-Construction Stormwater Management"" and be the final plan for construction)* Written Narrative Includes the following:	Location **N**	Page _____	☐	☐
	i. Site Description & Analysis	Location **N**	Page _____	☐	☐
	ii. Soil types and descriptions (including hydric soils)	Location **N**	Page _____	☐	☐
	iii. Pre-development and post-development drainage area runoff calculations for each drainage area	Location **N**	Page _____	☐	☐
	iv. Routing Analysis to demonstrate peak control for the 2-, 10-, 50-, and 100-year/24-hour storm events *(Routing should consider the benefits of BMPs)*	Location **N**	Page _____	☐	☐
	v. Calculations for permanent stormwater BMPs *(including volume of water treated through BMPs)*	Location **N**	Page _____	☐	☐
	vi. Curve Numbers and/or land use coefficients	Location **N**	Page _____	☐	☐
	vii. Infiltration/Geotechnical report and soil infiltration test pit results	Location **N**	Page _____	☐	☐

				Applicant Check √ If Included	Official Use Only
	b. Additional Worksheets **Note: Worksheets 1 through 5 are required. Complete the following worksheets as applicable.**				
	i. Worksheet 6 – Small Site/Small Impervious Area Exception for peak rate Mitigation Calculations ***(If worksheet 6 is not applicable, rate control is required)***	Location **N**	Page _____	☐	☐
	ii. Worksheet 10 – Water Quality Compliance for Nitrate	Location **N**	Page _____	☐	☐
	iii. Worksheet 11 – BMPs for Pollution Prevention ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐
	iv. Worksheet 12 – Water Quality Analysis of Pollutant Loading from all Disturbed Areas ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐
	v. Worksheet 13 – Pollutant Reduction Through BMP Applications ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐
	c. Plans/Drawings *(Must be a stand alone separate plan from the E&S Plan and labeled "PCSM" or Post-Construction Stormwater Management"" and be the final plan for construction)*	Location **D**	Page _____	☐	☐
	i. Construction Details for permanent stormwater BMPs including permanent stabilization	Location **D**	Page _____	☐	☐
	ii. Location of BMPs showing final contours are identified	Location **D**	Page _____	☐	☐
	iii. Location of soil types are identified (including hydric soils)	Location **D**	Page _____	☐	☐
	iv. Location and depths of test pits / infiltration testing sites are identified (where applicable)	Location **D**	Page _____	☐	☐
	d. Ownership, Operations, and Maintenance Procedures *(Must be included on drawings)*	Location **D**	Page _____	☐	☐
	i. Applicant or entity (association, company, agency, etc.) listed as responsible party	Location **D**	Page _____	☐	☐

				Applicant Check √ If Included	Official Use Only
	e. Riparian Forest Buffer Management Plan (If Applicable) Location: Drawings (D), Narrative (N).			☐	☐
	i. A Planting Plan for converted or newly established Riparian Forest Buffers.	Location **D**	Page _____	☐	☐
	ii. A maintenance schedule and measures for converted or newly established Riparian Forest Buffers to ensure growth and survival.	Location **N D**	Page _____	☐	☐
	iii. An inspection schedule and measures to ensure long-term maintenance and proper functioning of Riparian Forest Buffers.	Location **N**	Page _____	☐	☐
	f. Identification of critical stages of implementation of PCSM Plan for which a licensed professional or designee will be present on site.	Location: **N D**	Page _____	☐	☐
9.	Consistency letter from Municipal or County Engineer (where applicable)			☐	☐
10.	Appendix A Land Use Questions			☐	☐
11.	Complete Required Worksheets 1 – 5 (see attached worksheets **at the end of** the NPDES Permit Application Package)			☐	☐
12.	Checklist for Subsequent Phases (of permitted projects)				
	a. Estimated time frame for phased project build-out (update as necessary)			☐	☐
	b. Complete E & S Plans for specific phase (3 copies)			☐	☐
	c. New Section C and complete PCSM Plan for specific phase (3 copies)			☐	☐
	d. Consistency letter from municipal or county engineer (where applicable)			☐	☐
	CHECKLIST FOR GENERAL NPDES PERMIT RENEWALS ONLY			**Applicant Check √ If Included**	**Official Use Only**
1.	Administratively complete, signed, and notarized Notice of Intent Form, including items 1-8. (1 signed original and 2 copies of the NOI/application)			☐	☐

APPLICATION CHECKLIST

NPDES INDIVIDUAL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES

Please check the following list to make sure that you have included all the required information. Place a check mark in the column provided for all items completed and/or provided. Failure to provide all of the requested information will delay the processing of the application and may result in the application being placed ON HOLD with NO ACTION, or being considered withdrawn and the application file closed.

THIS CHECKLIST MUST BE COMPLETED AND ENCLOSED WITH YOUR INDIVIDUAL PERMIT APPLICATION FORM

	CHECKLIST FOR NEW INDIVIDUAL NPDES STORMWATER PERMIT APPLICATION			**Applicant Check √ If Included**	**Official Use Only**
1.	Fully completed, properly signed and notarized Individual Permit Application (1 original and 2 copies).			☐	☐
2.	Fully completed General Information Form (GIF) (1 original and 2 copies)			☐	☐
3.	Complete Erosion and Sediment Control Plan (3 copies) Location: Drawings (D), Narrative (N).			☐	☐
	a. Written Narrative *(Must be labeled "E&S Plan" or "Erosion & Sediment Control Plan", be complete & legible, and be the final plan for construction)* Written Narrative Includes the following:	Location **N**	Page _____	☐	☐
	i. USGS map with outline of project site	Location **N**	Page _____	☐	☐
	ii. Soils information (including hydric soils) Types, depth, slope and locations of soils	Location **N**	Page _____	☐	☐
	iii. Physical characteristics and limitations of soils	Location **N**	Page _____	☐	☐
	iv. Supporting calculations to show anticipated peak flows for the design storms	Location **N**	Page _____	☐	☐
	v. Analysis of the impact that runoff from the project site will have on existing downstream watercourses resistance to erosion	Location **N**	Page _____	☐	☐
	vi. Provide supporting calculations, standard worksheets, and description of the location for all proposed E&S Control BMPs used before, during and after earth disturbance including but not limited to the following:				
	A. Channels	Location **N**	Page _____	☐	☐
	B. Sediment Basins	Location **N**	Page _____	☐	☐
	C. Sediment Traps	Location **N**	Page _____	☐	☐
	D. Filter Fabric Fencing	Location **N**	Page _____	☐	☐
	E. Outlet Protection	Location **N**	Page _____	☐	☐
	F. Other BMPs (Specify) _____	Location **N**	Page _____	☐	☐
	G. Other BMPs (Specify) _____	Location **N**	Page _____	☐	☐

				Applicant Check √ If Included	Official Use Only
	b. Plan Drawings *(Must be labeled "E&S Plan" or "Erosion & Sediment Control Plan", be complete & legible, and be the final plan for construction)* Drawings include the following:	Location **D**	Page _____	☐	☐
	i. Legend for any symbols that may be used on the drawing	Location **D**	Page _____	☐	☐
	ii. Topographic Features including existing contours, improvements, streams, wetlands, watercourses, etc. and sufficient surrounding area	Location **D**	Page _____	☐	☐
	iii. Soil types and locations	Location **D**	Page _____	☐	☐
	iv. Construction techniques or special considerations to address soil limitations	Location **D**	Page _____	☐	☐
	v. Limits of project site, NPDES boundary	Location **D**	Page _____	☐	☐
	vi. Limits of earth disturbance	Location **D**	Page _____	☐	☐
	vii. Proposed alteration including proposed contours and proposed improvements	Location **D**	Page _____	☐	☐
	viii. Maximum during construction drainage areas to hydraulic BMPs	Location **D**	Page _____	☐	☐
	ix. Location of water which may receive runoff and receiving water classification pursuant to Chapter 93 and the "statewide existing use listing"	Location **D**	Page _____	☐	☐
	x. Standard Construction Details for all proposed E&S Control BMPs used before, during and after earth disturbance	Location **D**	Page _____	☐	☐
	xi. Location of BMPs showing final contours are identified	Location **D**	Page _____	☐	☐
	xii. Complete and site specific sequence of BMP installation and removal including activities planned to limit exposed areas	Location **D**	Page _____	☐	☐
	xiii. Procedures or Note requiring the proper recycling or disposal of waste materials associated with the project site	Location **D**	Page _____	☐	☐
	xiv. Maintenance Program including inspection schedule, sediment cleanout levels, repair parameters and time frames, and directions for sediment removal	Location **D**	Page _____	☐	☐
	xv. Note explaining responsibilities for fill materials including definition of environmental due diligence and clean fill	Location **D**	Page _____	☐	☐
4.	Permit filing fee of $1,500 payable to the appropriate Clean Water Fund.			☐	☐
5.	Disturbed acre fee payable to the Commonwealth of Pennsylvania Clean Water Fund.			☐	☐
6.	Notifications to the local municipality and county governments that specify Acts 67 and 68 Coordination, and that the application is for an individual NPDES stormwater permit authorizing the discharge of stormwater during construction activities. A "sample" notification letter is provided in Appendices B and C.			☐	☐

				Applicant Check √ If Included	Official Use Only
7.	Proof of receipt of municipal notifications; copies of certified mail receipts or acknowledgment letters from the local municipality and county government. (3 copies)			☐	☐
8.	Copy of Cultural Resource Notice including PHMC reply or certified mail receipt (for projects disturbing ten acres or more). (3 copies)			☐	☐
9.	The PNHP Review receipt for the project area. Include impact clearance letters if proof of agency coordination is required. (3 copies)			☐	☐
10.	Complete Post Construction Stormwater Management Plan. (3 copies) Location: Drawings (D), Narrative (N).			☐	☐
	a. Written Narrative *(Must be a stand alone, separate plan from the E&S Plan and labeled "PCSM" or Post-Construction Stormwater Management"" and be the final plan for construction)* Written Narrative Includes the following:	Location **N**	Page _____	☐	☐
	i. Site Description & Analysis	Location **N**	Page _____	☐	☐
	ii. Soil types and descriptions (including hydric soils)	Location **N**	Page _____	☐	☐
	iii. Pre-development and post-development drainage area runoff calculations for each drainage area	Location **N**	Page _____	☐	☐
	iv. Routing Analysis to demonstrate peak control for the 2-, 10-, 50-, and 100-year/24-hour storm events *(Routing should consider the benefits of BMPs)*	Location **N**	Page _____	☐	☐
	v. Calculations for permanent stormwater BMPs *(including volume of water treated through BMPs)*	Location **N**	Page _____	☐	☐
	vi. Curve Numbers and/or land use coefficients	Location **N**	Page _____	☐	☐
	vii. Infiltration/Geotechnical report and soil infiltration test pit results	Location **N**	Page _____	☐	☐
	b. Additional Worksheets **Note:** Worksheets 1 through 5 are required. Complete and attach the following worksheets where applicable	Location **N**	Page _____	☐	☐
	i. Worksheet 6 – Small Site/Small Impervious Area Exception for peak rate Mitigation Calculations ***(If worksheet 6 is not applicable, rate control is required)***	Location **N**	Page _____	☐	☐
	ii. Worksheet 10 – Water Quality Compliance for Nitrate	Location **N**	Page _____	☐	☐
	iii. Worksheet 11 – BMPs for Pollution Prevention ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐

				Applicant Check √ If Included	Official Use Only
	iv. Worksheet 12 – Water Quality Analysis of Pollutant Loading from all Disturbed Areas ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐
	v. Worksheet 13 – Pollutant Reduction Through BMP Applications ***(Required if applicant is not meeting Nitrate requirements)***	Location **N**	Page _____	☐	☐
	c. Plans/Drawings *(Must be separate from E&S Plan and labeled "PCSM" or Post-Construction Stormwater Management"" and be the final plan for construction)*	Location **D**	Page _____	☐	☐
	i. Standard Details for permanent stormwater BMPs including permanent stabilization	Location **D**	Page _____	☐	☐
	ii. Location of BMPs showing final contours are identified	Location **D**	Page _____	☐	☐
	iii. Location of soil types are identified (including hydric soils)	Location **D**	Page _____	☐	☐
	iv. Location and depths of test pits/infiltration testing sites are identified	Location **D**	Page _____	☐	☐
	d. Ownership, Operations, and Maintenance Procedures *(Must be included on drawings)*	Location **D**	Page _____	☐	☐
	i. Applicant or entity (association, company, agency, etc.) listed as responsible party	Location **D**	Page _____	☐	☐
	e. Riparian Forest Buffer Management Plan (If Applicable) Location: Drawings (D), Narrative (N).			☐	☐
	i. A Planting Plan for converted or newly established Riparian Forest Buffers.	Location **D**	Page _____	☐	☐
	ii. A maintenance schedule and measures for converted or newly established Riparian Forest Buffers to ensure growth and survival.	Location **N**	Page _____	☐	☐
	iii. An inspection schedule and measures to ensure long-term maintenance and proper functioning of Riparian Forest Buffers.	Location **N**	Page _____	☐	☐
	f. Identification of critical stages of implementation of PCSM Plan for which a licensed professional or designee will be present on site.	Location: **N D**	Page _____	☐	☐
11.	Consistency letter from Municipal or County Engineer (where applicable)			☐	☐
12.	Completed Required Worksheets 1 – 5 (attached at the end of the NPDES Permit Application Package)			☐	☐
13.	Checklist for Subsequent Phases (of permitted projects)				

				Applicant Check √ If Included	Official Use Only
	a. Estimated time frame for phased project build-out (update as necessary)			☐	☐
	b. Complete E & S Plans for specific phase (3 copies)			☐	☐
	c. New Section C and complete PCSM Plan for specific phase (3 copies)			☐	☐
	d. Consistency letter from municipal or county engineer (were applicable)			☐	☐
	CHECKLIST FOR INDIVIDUAL NPDES PERMIT RENEWALS ONLY			**Applicant Check √ If Included**	**Official Use Only**
1.	Resubmit items 1 through 7, and 9 through 12. Note: Only one copy of the Erosion and Sediment Control Plan and Post Construction Stormwater Management Plan is required.			☐	☐

APPENDIX A

Land Use Information Questions

Responses to the following questions are required to determine applicability of DEP's Land Use Policy for Permitting of Infrastructure and Facilities.

Note: Applicants are encouraged to submit copies of local zoning approvals with their authorization application.

LAND USE INFORMATION		
1.	Is there an adopted county or multi-county comprehensive plan?	Yes ☐ No ☐
2.	Is there an adopted municipal or multi-municipal comprehensive plan?	Yes ☐ No ☐
3.	Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance?	Yes ☐ No ☐
If the applicant answers NO to either Question 1, 2, or 3, the provisions of the PA MPC are not applicable and the applicant does not need to respond to questions 4 and 5 below. *If the applicant answers YES to questions 1, 2 and 3, the applicant should respond to questions 4 and 5 below.*		
4.	Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval? *If zoning approval has been received, attach documentation.*	Yes ☐ No ☐
5.	Have you attached Municipal and County Land Use Letters for the project?	Yes ☐ No ☐

APPENDIX B
SAMPLE COUNTY LAND USE LETTER*

**(This sample letter and form is provided for the convenience of the applicant and the County. It does not prohibit the applicant from using a different template nor does it prohibit the County from submitting a different form of response.)*

Date:

Dear County Planning Director:

Acts 67, 68 and 127, which amended the Municipalities Planning Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The Pennsylvania Department of Environmental Protection's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Permits for Facilities and Infrastructure (DEP's Land Use Policy) provides direction and guidance to DEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68 and 127 of 2000. This policy can be found at www.depweb.state.pa.us; keyword: Land Use.

In accordance with DEP's Land Use Policy, enclosed please find a County Land Use Letter that is to be submitted with our permit application to DEP for an NPDES Permit for Stormwater Discharges Associated with Construction Activities. Please complete the attached form and return within 30 days to:

Name of Applicant: _____

Address of Applicant: _____

Project Location: _____

Project Description: _____

_____

Please do not send this form to DEP, as we must include the County Land Use Letter with our permit application. If we do not receive a response from you **within 30 days**, we shall proceed to submit our permit application to DEP without the County Land Use Letter. If the County Land Use Letter is not submitted with our permit application, and we provide proof to DEP that we attempted to obtain it, DEP will assume there are no substantive land use conflicts and proceed with the normal application review process.

If you have any questions, please do not hesitate to contact me at (phone number and/or email).

Sincerely,

Attachment – Sample County Land Use Letter

cc: /county commissioners

APPENDIX B
SAMPLE COUNTY LAND USE LETTER

Date: _____

To: _____ (Name of Applicant)

From: _____ County Planning Agency/Commission

Re: _____ (Name of DEP Permittee)

The County of _____ states that it:

_____ has adopted a county or multi-county comprehensive plan.
If yes, please provide date of adoption:

_____ has not adopted a county or multi-county comprehensive plan.

If applicable:

The above referenced project:

___ is consistent with the adopted county or multi-county comprehensive plan.
___ is not consistent with the adopted county or multi-county comprehensive plan.

Additional Comments (attach additional sheets if necessary):

_____

_____

_____

_____

Submitted By:

Name	
Title	
Contact Information (Address & Phone)	
Signature	
Date	

APPENDIX C
SAMPLE MUNICIPAL LAND USE LETTER*

**(This sample letter and form is provided for the convenience of the applicant and the Municipality. It does not prohibit the applicant from using a different template nor does it prohibit the Municipality from submitting a different form of response.)*

Date:

Dear Municipal Secretary:

Acts 67, 68 and 127, which amended the Municipalities Planning Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The Pennsylvania Department of Environmental Protection's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Permits for Facilities and Infrastructure (DEP's Land Use Policy) provides direction and guidance to DEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68 and 127 of 2000. This policy can be found at www.depweb.state.pa.us; keyword: Land Use.

In accordance with DEP's Land Use Policy, enclosed please find a Municipal Land Use Letter that is to be submitted with our permit application to DEP for an NPDES Permit for Stormwater Discharges Associated with Construction Activities. Please complete the attached form and return within 30 days to:

Name of Applicant: _____

Address of Applicant: _____

Project Location: _____

Project Description: _____

_____

Please do not send this form to DEP, as we must include the Municipal Land Use Letter with our permit application. If we do not receive a response from you **within 30 days**, we shall proceed to submit our permit application to DEP without the Municipal Land Use Letter. If the Municipal Land Use Letter is not submitted with our permit application, and we provide proof to DEP that we attempted to obtain it, DEP will assume there are no substantive land use conflicts and proceed with the normal application review process.

If you have any questions, please do not hesitate to contact me at (phone number and/or email).

Sincerely,

Attachment – Sample County Land Use Letter

cc: /township supervisor chair

APPENDIX C
SAMPLE MUNICIPAL LAND USE LETTER

Date: _____

To: _____ (Name of Applicant)

From: _____ Township/Borough/City

Re: _____ (Name of DEP Permittee)

The municipality of _____ states that it:
_____ has adopted a municipal or multi-municipal comprehensive plan.
If yes, please provide date of adoption:

_____ has not adopted a municipal or multi-municipal comprehensive plan.

The municipality of _____ states that it:
_____ has adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.
_____ has not adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.

If applicable:

The municipality of _____ states that its zoning ordinance is generally consistent with its municipal comprehensive plan and the county comprehensive plan.

The above referenced proposed project
_____ meets the provisions of the local zoning ordinance

If zoning approval is required for the project to proceed, the above referenced project:
_____ has received zoning approval.
_____ has not received zoning approval.

If the proposed project has not received zoning approval:

What is the status of the zoning request for the proposed project? (e.g., Special Exception Approval from the Zoning Hearing Board required, Conditional Use approval from the Governing Body required)

_____

_____

_____

_____

_____

_____

Is there a legal challenge by the applicant with regard to zoning for the proposed project?

Name and Contact Information for Municipal Zoning Officer:

Additional Comments (attach additional sheets if necessary):

Submitted By:

Name	
Title	
Contact Information (Address & Phone)	
Signature	
Date	

Worksheet 1. General Site Information

INSTRUCTIONS: Fill out Worksheet 1 for each watershed

Date:

Project Name:

Municipality:

County:

Total Area (acres):

Major River Basin:

http://www.pawaterplan.dep.state.pa.us/StateWaterPlan/docroot/default.aspx

Watershed:

Sub-Basin:

Nearest Surface Water(s) to Receive Runoff:

Chapter 93 – Designated Water Use:

http://www.pacode.com/secure/data/025/chapter93/chap93toc.html

Impaired according to Category 4 or 5 of the Integrated Water Quality Monitoring and Assessment Report? Yes ☐ No ☐

http://www.portal.state.pa.us/portal/server.pt/community/water_quality_standards/10556/integrated_water_quality_report_-_2010/682562

List Causes of Impairment:

Is there an established TMDL that applies: Yes ☐ No ☐

Total Maximum Daily Loads (TMDLS)

http://www.dep.state.pa.us/watermanagement_apps/tmdl/.

http://www.epa.gov/reg3wapd/tmdl/pa_tmdl/index.htm

Is project subject to, or part of:

Municipal Separate Storm Sewer System (MS4) Requirements? Yes ☐ No ☐

http://www.portal.state.pa.us/portal/server.pt/community/stormwater_management/10628/npdes_ms4%C2%A0information/669119

Existing or planned drinking water supply? Yes ☐ No ☐

If yes, distance from proposed discharge (miles):

Approved Act 167 Plan? Yes ☐ No ☐

http://www.portal.state.pa.us/portal/server.pt?open=514&objID=554325&mode=2

Existing River Conservation Plan? Yes ☐ No ☐

http://www.dcnr.state.pa.us/brc/rivers/riversconservation/registry/

Worksheet 2. Sensitive Natural Resources

INSTRUCTIONS

1. Provide Sensitive Resources Map according to non-structural BMP 5.4.1 in Chapter 5. This map should identify wetlands, woodlands, natural drainage ways, steep slopes, and other sensitive natural areas.

2. Summarize the existing extent of each sensitive resource in the Existing Sensitive Resources Table (below, using Acres). If none present, insert 0.

3. Summarize Total Protected Area as defined under BMPs in Chapter 5.

4. Do not count any area twice. For example, an area that is both a floodplain and a wetland may only be considered once.

EXISTING NATURAL SENSITIVE RESOURCE	MAPPED? Yes/no/n/a	TOTAL AREA (Ac.)	PROTECTED AREA (Ac.)
Waterbodies			
Floodplains			
Riparian Areas			
Wetlands			
Woodlands			
Natural Drainage Ways			
Steep Slopes, 15% - 25%			
Steep Slopes, over 25%			
Other:			
Other:			
TOTAL EXISTING:			

Worksheet 3. Nonstructural BMP Credits

PROTECTED AREA

1.1 Area of Protected Sensitive/Special Value Features (see WS 2) _____ **Ac.**

1.2 Area of Riparian Forest Buffer Protection _____ **Ac.**

3.1 Area of Minimum Disturbance/Reduced Grading _____ **Ac**

TOTAL _____ **Ac**

Site Area	Minus	Protected Area	=	Stormwater Management Area
	-		=	

This is the area that requires stormwater management

VOLUME CREDITS

3.1 Minimum Soil Compaction (See Chapter 8, page 22 – SW BMP Manual)

Lawn _____ ft^2 x 1/4" x 1/12 = _____ ft^3

Meadow _____ ft^2 x 1/3" x 1/12 = _____ ft^3

3.3 Protect Existing Trees (See Chapter 8, page 23 – SW BMP Manual)

For Trees within 100 feet of impervious area:

Tree Canopy _____ ft^2 x 1/2" x 1/12 = _____ ft^3

5.1 Disconnect Roof Leaders to Vegetated Areas (See Chapter 8 page 25 – SW BMP Manual)

For runoff directed to areas protected under 5.8.1 and 5.8.2

Roof Area _____ ft^2 x 1/3" x 1/12 = _____ ft^3

For all other disconnected roof areas

Roof Area _____ ft^2 x 1/4" x 1/12 = _____ ft^3

5.2 Disconnect Non-Roof impervious to Vegetated Areas (See Chapter 8, page 26 – SW BMP Manual)

For Runoff directed to areas protected under 5.8.1 and 5.8.2

Impervious Area _____ ft^2 x 1/3" x 1/12 = _____ ft^3

For all other disconnected roof areas

Impervious Area _____ ft^2 x 1/4" x 1/12 = _____ ft^3

TOTAL NON-STRUCTURAL VOLUME CREDIT* _____ ft

**For use on Worksheet 5*

Worksheet 4. Change in Runoff Volume for 2-YR Storm Event

PROJECT: _____
Drainage Area: _____
2-Year Rainfall: _____ in

Total Site Area: _____ acres
Protected Site Area: _____ acres
Managed Area: _____ acres

Existing Conditions:

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	CN	S	Ia (0.2*S)	Q Runoff[1] (in)	Runoff Volume[2] (ft^3)
Woodland								
Meadow								
Impervious								
TOTAL:								

Developed Conditions

Cover Type/Condition	Soil Type	Area (sf)	Area (ac)	CN	S	Ia (0.2*S)	Q Runoff[1] (in)	Runoff Volume[2] (ft^3)
TOTAL:								

2-Year Volume Increase (ft3):

2-Year Volume Increase = Developed Conditions Runoff Volume – Existing Conditions Runoff Volume

1. Runoff (in) = $Q = (P-0.2S)^2 / (P+0.8S)$ where
   P = 2-Year Rainfall (in)
   S = (1000/ CN)-10
2. Runoff Volume (CF) = Q x Area x 1/12
   Q = Runoff (in)
   Area = Land use area (sq. ft)

Note: Runoff Volume must be calculated for EACH land use type/condition and HSGI. The use of a weighted CN value for volume calculations is not acceptable.

Worksheet 5. Structural BMP Volume Credits

PROJECT: _____
SUB-BASIN: _____

Required Control Volume (ft^3) – *from Worksheet 4*: _____

Non-structural Volume Credit (ft^3) – *from Worksheet 3*: - _____
(maximum is 25% of required volume)

Structural Volume Reqmt (ft^3) _____

(Required Control Volume minus Non-structural Credit)

Proposed BMP		Area (ft^2)	Volume Reduction Permanently Removed (ft^3)
6.4.1	Porous Pavement		
6.4.2	Infiltration Basin		
6.4.3	Infiltration Bed		
6.4.4	Infiltration Trench		
6.4.5	Rain Garden/Bioretention		
6.4.6	Dry Well / Seepage Pit		
6.4.7	Constructed Filter		
6.4.8	Vegetated Swale		
6.4.9	Vegetated Filter Strip		
6.4.10	Berm		
6.5.1	Vegetated Roof		
6.5.2	Capture and Re-use		
6.6.1	Constructed Wetlands		
6.6.2	Wet Pond / Retention Basin		
6.7.1	Riparian Buffer/Riparian Forest Buffer Restoration		
6.7.2	Landscape Restoration / Reforestation		
6.7.3	Soil Amendment		
6.8.1	Level Spreader		
6.8.2	Special Storage Areas		
Other			

Total Structural Volume (ft^3): _____
Structural Volume Requirement (ft^3): _____
DIFFERENCE _____

Worksheet 6 – Small Site/Small Impervious Area Exception For Peak Rate Mitigation Calculations

The following conditions must be met for exemption from peak rate analysis for small sites under CG-1:

- ☐ The 2-Year/24-Hour Runoff Volume increase must be met in BMPs designed in accordance with Manual Standards
- ☐ Total Site Impervious Area may not exceed 1 acre
- ☐ Maximum Development Area is 5 Acres
- ☐ Maximum site impervious cover is 50%
- ☐ No more than 25% Volume Control can be in Non-structural BMPs
- ☐ Infiltration BMPs must have an infiltration of at least 0.5 in/hr.

Site Area	Percent Impervious	Total Impervious
5 acre	20%	1 acre
2 acre	50%	1 acre
1 acre	50%	0.5 acre
0.5 acre	50%	0.25 acre

Worksheet 10 – Water Quality Compliance for Nitrate

Does the site design incorporate the following BMPs to address nitrate pollution? A summary "yes" rating is achieved if at least 2 Primary BMPs for nitrate are provided across the site or 4 secondary BMPs for nitrate are provided across the site (or the equivalent) "provided across the site" is taken to mean the specifications for that BMP set forward in Sections 5 and 6 are satisfied.

	Yes	No
Primary BMPs for Nitrate:	☐	☐
NS BMP 5.4.2 – Protect/Conserve/Enhance Riparian Buffers	☐	☐
NS BMP 5.5.4 – Cluster Uses at Each Site	☐	☐
NS BMP 5.6.1 – Minimize Total Disturbed Area	☐	☐
NS BMP 5.6.3 – Re-Vegetate/Re-Forest Disturbed Areas (Native Species)	☐	☐
NS BMP 5.9.1 – Street Sweeping/Vacuuming	☐	☐
Structural BMP 6.7.1 – Riparian Buffer Restoration	☐	☐
Structural BMP 6.7.2 – Landscape Restoration	☐	☐
	☐	☐
Secondary BMPs for Nitrate:	☐	☐
NS BMP 5.4.1 – Protect Sensitive/Special Value Features	☐	☐
NS BMP 5.4.3 – Protect/Utilize Natural Drainage Features	☐	☐
NS BMP 5.6.2 – Minimize Soil Compaction	☐	☐
Structural BMP 6.4.5 – Rain Garden/Bioretention	☐	☐
Structural BMP 6.4.8 – Vegetated Swale	☐	☐
Structural BMP 6.4.9 – Vegetated Filter Strip	☐	☐
Structural BMP 6.6.1 – Constructed Wetland	☐	☐
Structural BMP 6.7.1 – Riparian Buffer Restoration	☐	☐
Structural BMP 6.7.2 – Landscape Restoration	☐	☐
Structural BMP 6.7.3 – Soils Amendment/Restoration	☐	☐

Worksheet 11 – BMPs for Pollution Prevention

Does the site design incorporate the following BMPs to address nitrate pollution? A summary "yes" rating is achieved if at least 2 Primary BMPs are provided across the site. "Provided across the site" is taken to mean that the specifications for that BMP set forward in Chapters 5 and 6 are satisfied.

	Yes	No
BMPs for Pollution Prevention:	☐	☐
NS BMP 5.4.1 – Protect Sensitive/Special Value Features	☐	☐
NS BMP 5.4.2 – Protect/Conserve/Enhance Riparian Buffers	☐	☐
NS BMP 5.4.3 – Protect/Utilize Natural Flow Pathways in Overall Stormwater Planning and Design	☐	☐
NS BMP 5.5.1 – Cluster Uses at Each Site; Build on the Smallest Area Possible	☐	☐
NS BMP 5.6.1 – Minimize Total Disturbed Area - Grading	☐	☐
NS BMP 5.6.2 – Minimize Soil Compaction in Disturbed Areas	☐	☐
NS BMP 5.6.3 – Re-Vegetate/Re-Forest Disturbed Areas (Native Species)	☐	☐
NS BMP 5.7.1 – Reduce Street Imperviousness	☐	☐
NS BMP 5.7.2 – Reduce Parking Imperviousness	☐	☐
NS BMP 5.8.1 – Rooftop Disconnection	☐	☐
NS BMP 5.8.2 – Disconnection from Storm Sewers	☐	☐
NS BMP 5.9.15 – Street Sweeping	☐	☐
Structural BMP 6.7.1 – Riparian Buffer Restoration	☐	☐
Structural BMP 6.7.2 – Landscape Restoration	☐	☐
Structural BMP 6.7.3 – Soils Amendment and Restoration	☐	☐

Worksheet 12 – Water Quality Analysis of Pollutant Loading from All Disturbed Areas

Total Site Area (AC)	
Total Disturbed Area (AC)	
Disturbed Area Controlled by BMPs (AC)	

Total Disturbed Areas:

		Pollutant					Pollutant Load		
	Land Cover Classification	TSS EMC (mg/l)	TP EMC (mg/l)	Nitrate-Nitrite EMC (mg/l as N)	Cover (Acres)	Runoff Volume (AF)	TSS** (LBS)	TP** (LBS)	NO_3 (LBS)
Previous Surfaces	Forest	39	0.15	0.17					
	Meadow	47	0.19	0.3					
	Fertilized Planting Area	55	1.34	0.73					
	Native Planting Area	55	0.40	0.33					
	Lawn, Low-Input	180	0.40	0.44					
	Lawn, High-Input	180	2.22	1.46					
	Golf Course Fairway/Green	305	1.07	1.84					
	Grassed Athletic Field	200	1.07	1.01					
Imprevious Surfaces	Rooftop	21	0.13	0.32					
	High Traffic Street/Highway	261	0.40	0.83					
	Medium Traffic Street	113	0.33	0.58					
	Low Traffic/Residential Street	86	0.36	0.47					
	Res. Driveway, Play Courts, etc.	60	0.46	0.47					
	High Traffic Parking Lot	120	0.39	0.60					
	Low Traffic Parking Lot	58	0.15	0.39					
						TOTAL LOAD			
						REQUIRED REUCTION (%)	85%	85%	50%
						REQUIRED REDUCTION (LBS)			

*Pollutant Load = [EMC, mg/l] X [Volume, AF] X [2.7, Unit Conversion]

**TSS and TP calculations only required for projects not meeting CG1/CG2 or not controlling less than 90% of the disturbed area

Worksheet 13 – Pollutant Reduction Through BMP Applications*

*Fill this worksheet out for each BMP type with different pollutant removal efficiencies. Sum pollutant reduction achieved for all BMP types on final sheet.

BMP Type: _____

Disturbed Area Controlled by this BMPs (AC)

Disturbed Area Controlled by this BMPs:

		Pollutant					Pollutant Load**		
	Land Cover Classification	TSS EMC (mg/l)	TP EMC (mg/l)	Nitrate-Nitrite EMC (mg/l as N)	Cover (Acres)	Runoff Volume (AF)	TSS** (LBS)	TP** (LBS)	NO_3 (LBS)
Previous Surfaces	Forest	39	0.15	0.17					
	Meadow	47	0.19	0.3					
	Fertilized Planting Area	55	1.34	0.73					
	Native Planting Area	55	0.40	0.33					
	Lawn, Low-Input	180	0.40	0.44					
	Lawn, High-Input	180	2.22	1.46					
	Golf Course Fairway/Green	305	1.07	1.84					
	Grassed Athletic Field	200	1.07	1.01					
Impervious Surfaces	Rooftop	21	0.13	0.32					
	High Traffic Street/Highway	261	0.40	0.83					
	Medium Traffic Street	113	0.33	0.58					
	Low Traffic/Residential Street	86	0.36	0.47					
	Res. Driveway, Play Courts, etc.	60	0.46	0.47					
	High Traffic Parking Lot	120	0.39	0.60					
	Low Traffic Parking Lot	58	0.15	0.39					
	TOTAL LOAD TO THIS BMP TYPE								
	POLLUTANT REMOVAL EFFICIENCIES FROM APPENDIX A. STORMWATER MANUAL (%)						85%	85%	50%
	POLLUTANT REDUCITON ACHIEVED BY THIS BMP TYPE (LBS)								

POLLUTANT REDUCTION ACHIEVED BY ALL BMP TYPES (LBS)			
REQUIRED REDUCTION from WS12 (LBS)			

*Pollutant Load = [EMC, mg/l] X [Volume, AF] X [2.7, Unit Conversion]

**TSS and TP calculations only required for projects not meeting CG1/CG2 or not controlling less than 90% of the disturbed area