

**CENTRE TOWNSHIP**  
**BUILDING CONSTRUCTION PERMIT APPLICATION**

2971 Cold Storage Road, New Bloomfield, PA 17068  
717-582-8784

Permit No. \_\_\_\_\_ Tax Parcel No. \_\_\_\_\_

Owner: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Contractor: \_\_\_\_\_ Phone # \_\_\_\_\_

Construction Location: \_\_\_\_\_ Lot#: \_\_\_\_\_

Intended Use: Residential  Agricultural  Commercial

Type of Improvement: New Construction  Addition  Improvement to Existing Building  Other  \_\_\_\_\_

Water Supply: Private  Public

Sewage System: Private  Public

**Brief Description of Proposed Work:**

Lot Size: Front \_\_\_\_\_ ft. Rear \_\_\_\_\_ ft. Right Side \_\_\_\_\_ ft. Left Side \_\_\_\_\_ ft.

Building Setbacks: Front \_\_\_\_\_ ft. Rear \_\_\_\_\_ ft. Right Side \_\_\_\_\_ ft. Left Side \_\_\_\_\_ ft.

Size of Improvement: Length \_\_\_\_\_ ft. Width \_\_\_\_\_ ft. Height \_\_\_\_\_ ft.

# of Stories: \_\_\_\_\_ # of Bedrooms: \_\_\_\_\_ # of Bathrooms: \_\_\_\_\_ # of Deck(s): \_\_\_\_\_

If Mobile Home: Make/Model \_\_\_\_\_ Length \_\_\_\_\_ ft. Width \_\_\_\_\_ ft. Year \_\_\_\_\_ (Prior to 1972 prohibited)

**Total Estimated Cost of Improvement:** \_\_\_\_\_ (Include Labor & Materials at current market value)

**A SITE DRAWING WITH DETAILS MUST BE SUBMITTED WITH APPLICATION**

Do you have ALL REQUIRED Local/State/Federal Permits? Yes  No

Sewage Permit #: \_\_\_\_\_ Driveway Permit #: \_\_\_\_\_ Other Type: \_\_\_\_\_ #: \_\_\_\_\_

Amount of Earth to be Disturbed: \_\_\_\_\_ Sf. (Disturbance > 5,000 sf. requires an E&S Plan) (Disturbance > 1.0 acre requires an NPDES Permit)

Type of Stormwater Management required: \_\_\_\_\_ SWM Fee determined by type of SWM required - see page 2

Building Permit Fees: \_\_\_\_\_ Stormwater Fee: \_\_\_\_\_ TOTAL COST OF PERMIT: \_\_\_\_\_

Check/Monet Order#: \_\_\_\_\_ Received by: \_\_\_\_\_ Permit Issue Date: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Permit Denied Date: \_\_\_\_\_ Reason: \_\_\_\_\_ Section #: \_\_\_\_\_

Applicant's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**(Two Board Member's signatures are required before any construction may commence)**

Township Supervisor's Signature \_\_\_\_\_

Township Supervisor's Signature \_\_\_\_\_

**PERMIT IS VOID IF CONSTRUCTION IS NOT STARTED WITHIN 6 MONTHS.**

Permit No: \_\_\_\_\_

# Application for Stormwater Management Review

## Centre Township, Perry County, PA

General Information:

Owner / Applicant's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Engineer/Surveyor Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Email \_\_\_\_\_

Site Information:

Address of Property: \_\_\_\_\_

Tax Map Parcel ID#: \_\_\_\_\_ Parcel Size (approx.) \_\_\_\_\_

A Sketch Plan must be included and show the following:

- Total existing impervious area on the property: \_\_\_\_\_
- New impervious area proposed: \_\_\_\_\_
- Total impervious area on the property after project completion: \_\_\_\_\_
- Slopes, flow path, locations, distances, etc.: \_\_\_\_\_
- Are there any known existing drainage problems or the potential for the proposed project to create drainage problems?  No  Yes (if yes, please explain \_\_\_\_\_)

Plan Type	Administrative Fee	Review Fee
<b>Application and sketch plan exempt</b> /no SW plan required (cumulative <1,000 SF of New Impervious since adoption of SW Ordinance)	\$25.00	\$25.00
<b>Minor</b> Stormwater Management Plan Required Activities Impervious Area between <b>1000 and 10,000 SF</b>	\$50.00	\$600.00
<b>Formal</b> Stormwater Management Plan <sup>2</sup> <b>10,001 SF to 0.99 acre</b> disturbance	\$75.00	\$2,000.00 <sup>1</sup>
<b>Formal</b> Stormwater Management Plan <sup>2</sup> <b>&gt;1 acres</b> of disturbance (w/NPDES Permit)	\$100.00	\$1,500.00 <sup>1</sup>

*(1) Engineer's estimated fee assumes one review and two site visit/inspection. Additional reviews and inspections, if required, will be charged in addition to these fees and billed to the Applicant.*

*(2) If storm water permit is in conjunction with approved land development plan with and escrow and surety, additional Fee and Escrow is not required.*

SWM Type determined by: \_\_\_\_\_ Date: \_\_\_\_\_

\*Based on information provided on this Application and a Sketch Plan received on: \_\_\_\_\_

**STORM WATER MANAGEMENT PERMIT  
REGULATED ACTIVITY  
Centre Township  
Perry County, Pennsylvania**

**PERMIT NO.** \_\_\_\_\_

The property of: \_\_\_\_\_

located at: \_\_\_\_\_

has received approval of the storm water management plans dated \_\_\_\_\_

last revised \_\_\_\_\_, in accordance with the Centre Township Storm Water

Management Ordinance. Inspections are required as outlined below.

Approved By: \_\_\_\_\_  
Township Engineer

Date: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ (5-year maximum)

- [ \_\_\_\_\_ ] Owner Acknowledgment Executed
- [ \_\_\_\_\_ ] Operation and Maintenance Agreement Executed
- [ \_\_\_\_\_ ] Financial Guarantee Established per Section 503
- [ \_\_\_\_\_ ] Fees Paid & Construction Inspection Escrow Established
- [ \_\_\_\_\_ ] Permit Issued\*

**SCHEDULE OF INSPECTIONS (Per Section 602, 407 & 802)  
(Review fees apply in accordance with Section 601)**

<u>Approved</u>	<u>Date</u>	During construction of the following specific Stormwater Management facilities:
_____	_____	
_____	_____	
_____	_____	
_____	_____	
_____	_____	<input type="checkbox"/> Final grading, vegetative control measures, or other site restoration work.
_____	_____	<input type="checkbox"/> As-Built Plan (when necessary)
_____	_____	<input type="checkbox"/> Project completed – Financial Guarantees recommended to be released.

# Municipal Stormwater Management Worksheet

*For Municipal Use and Record of Project Area*

Property Owner's Name \_\_\_\_\_

Address of Property \_\_\_\_\_

Parcel ID # \_\_\_\_\_ Municipality \_\_\_\_\_

Phone Number \_\_\_\_\_ New Impervious Area Associated with this Project \_\_\_\_\_

Stormwater Project Type:  Exempt  Minor Plan  Project Requires Formal SWM Plan

Total New Impervious Area Since Adoption of SWM Plan \_\_\_\_\_

**Acknowledgement** - I declare that I am the property owner, or representative of the owner, and that the information provided is accurate to the best of my knowledge. I understand that stormwater may not adversely affect adjacent properties or be directed onto another property without written permission. I also understand that false information may result in a stop work order or revocation of permits. Municipal representatives are also granted reasonable access to the property for review and/ or inspection of this project if necessary.

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Step 1:** Determine the amount of new impervious area created by the proposed project. This includes any new surface areas that prevent infiltration of stormwater into the ground. New stone and gravel areas are considered impervious. Impervious areas existing before May 15, 2019 are not included in this calculation. Use additional sheets if necessary.

Calculate new impervious area by completing this table.

Surface	Length (ft)	x	Width (ft)	=	Impervious Area (ft <sup>2</sup> )
Buildings		x		=	
Driveway		x		=	
Parking Areas		x		=	
Patios/ walkways		x		=	
Other		x		=	
<b>Total Proposed Impervious Surface Area (Sum of all impervious areas)</b>					

If the total new impervious surface area is up to 1,000 ft<sup>2</sup>, the project is exempt from the requirement to submit a plan for approval. Sign Acknowledgement and file this sheet with municipality.

If the total impervious surface area is 1,001 ft<sup>2</sup> to 10,000 ft<sup>2</sup>, continue to Step 2.

- If project area can be entirely disconnected, sign Acknowledgement, demonstrate disconnection on site plan per DIA example, and file worksheets with municipality.
- If project is between 1,000 ft<sup>2</sup> and 5,000 ft<sup>2</sup> and requires BMPs, complete Step 3.
- If project area is 5,000 ft<sup>2</sup> – 10,000 ft<sup>2</sup> and can't be disconnected, the project does not qualify for the Simplified Approach.

# Municipal Stormwater Management Worksheet

**Step 2:** Determine Disconnected Impervious Area (DIA). All or parts of proposed impervious surfaces may qualify as Disconnected Impervious Area if runoff is directed to a pervious area that allows for infiltration, filtration, and increased time of concentration. The volume of stormwater that needs to be managed could be reduced through DIA. Prepare a minor stormwater site plan (see page C-4 for requirements).

Criteria

- Overland flow path from the discharge area or impervious area has a positive slope of 5% or less.
- Contributing area to each rooftop discharge (downspout) is 500 ft<sup>2</sup> or less.
- Soils are not classified as hydrologic soil group "D".
- The receiving pervious area shall not include another person's property unless written permission has been obtained from the affected property owner.

Partial Rooftop Disconnection		
Length of Pervious Flow Path (ft) <small>Lots ≤ 10,000 ft<sup>2</sup></small>	Length of Pervious Flow Path (ft)	DIA Credit Factor
35 or more	75 or more	0
30 – 34.9	60 – 74	0.2
23 – 29.9	45 – 59	0.4
16 – 22.9	30 – 44	0.6
8 – 15.9	15 – 29	0.8
0 – 7.9	0 - 14	1.0
Pervious flow path must be at least 15 feet from any impervious surface		

Paved Disconnection Criteria: Paved surfaces (driveways, walkways, etc.) and gravel can be considered disconnected if it means the criteria above and:

- Runoff does not flow over impervious area for more than 75 ft.
- The length of overland flow is greater than or equal to the contributing flow path.
- The slope of the contributing impervious areas is 5% or less.
- If discharge is concentrated at one or more discrete points, no more than 1,000 ft<sup>2</sup> may discharge to any one point. In addition, a gravel strip or other spreading device is required for concentrated discharges. Non-concentrated discharges along the entire edge of paved surface must include provisions for the establishment of vegetation along the paved edge and temporary stabilization of the area until the vegetation is established.
- If these criteria can be met, the DIA credit = 0.

*Using the calculations from Step 1, complete the table below. This will determine the impervious area that may be excluded from the area that needs to be managed through stormwater BMPs. If the total impervious area to be managed = 0, the area can be considered entirely disconnected.*

Surface	Proposed Impervious Area	×	DIA Credit	=	Impervious Area (ft <sup>2</sup> ) to be Managed
Buildings (area to each downspout)		x		=	
Driveway		x		=	
Parking Areas		x		=	
Patios/ walkways		x		=	
Other		x		=	
Project Area: Total Proposed Impervious Surface Area to be managed (Sum of all impervious areas)					

*If total surface area to be managed if greater than 0, continue to Step 3.*

# Municipal Stormwater Management Worksheet

**Step 3:** Calculate the volume of stormwater runoff created by proposed impervious surfaces or see Simple BMP Sizing in Step 4.

Impervious Area (ft <sup>2</sup> ) to be Managed (Sum of Step 2)	X	3.0 in/12 in = 0.25 (3.0 in is 2-year 24-hour rainfall amount)	=	Amount of Stormwater to be Managed (ft <sup>3</sup> )
	X	0.25	=	

Best Management Practices need to be used to manage the volume of stormwater created by the proposed impervious areas. The cubic feet of stormwater that need to be managed may also be further reduced by planting new trees. If the criteria below can be met, the amount of stormwater to be managed can be reduced per the following:

**Deciduous Trees = 6ft<sup>3</sup> per tree**

**Evergreen Tree = 10 ft<sup>3</sup> per tree**

**Criteria:**

- Trees must be PA native species (See PA Stormwater BMP Manual for a list)
- Trees shall be a minimum 1" caliper tree and 3 feet tall shrub (min)
- Trees shall be adequately protected during construction
- No more than 25% of the required capture volume can be mitigated through the use of trees
- Dead trees shall be replaced by the property owner within 12 months
- Please consider the specifications for each tree species when determining location and spacing

Amount of Stormwater to be Managed (ft <sup>3</sup> ) (Sum of Step 3)	-	Tree Planting Credit (ft <sup>3</sup> )	=	Amount of Stormwater to be Managed (ft <sup>3</sup> )
	-		=	

**Step 4:** Select BMP and size according to the volume of stormwater that needs to be managed. The Guide to Choosing Stormwater BMPs, included in the Simplified Approach, includes sizing calculations for specific techniques. **Simple BMP Sizing** – Sizing BMPs may also be simplified through the use of this chart. Take the sum of Step 2 and match it to the “Amount of New Impervious Area to be Managed” in white boxes in the table below (rounding **up** to the next value if the number is between two values). Then look in the light grey box to determine the cubic footage based on the type of BMP (bioretention or infiltration). For example, if a proposed 1,000 square foot impervious area must handle 240 cubic feet of stormwater in a bioretention system, a 13’x13’x1.5’ rain garden or a 36’x2’x3.5’ vegetated swale could be used. Show the location and size of proposed BMPs on the minor stormwater site plan. (The following was based on a chart from the Lycoming Co. Planning Dept.)

BMP Type		Simple BMP Sizing - Amount New Impervious Area to be Managed (ft <sup>2</sup> )											
		250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Bioretention	Ex. Rain garden, Vegetated swale	60 ft <sup>3</sup>	120 ft <sup>3</sup>	180 ft <sup>3</sup>	240 ft <sup>3</sup>	360 ft <sup>3</sup>	480 ft <sup>3</sup>	600 ft <sup>3</sup>	720 ft <sup>3</sup>	840 ft <sup>3</sup>	960 ft <sup>3</sup>	1,080 ft <sup>3</sup>	1,200 ft <sup>3</sup>
		or	or	or	or	or	or	or	or	or	or	or	or
Infiltration	Ex. Dry well, Infiltration trench	180 ft <sup>3</sup>	360 ft <sup>3</sup>	540 ft <sup>3</sup>	720 ft <sup>3</sup>	1,080 ft <sup>3</sup>	1,440 ft <sup>3</sup>	1,800 ft <sup>3</sup>	2,160 ft <sup>3</sup>	2,520 ft <sup>3</sup>	2,880 ft <sup>3</sup>	3,240 ft <sup>3</sup>	3,600 ft <sup>3</sup>

Bring the worksheets, plan, Owner Acknowledgement, and BMP Facilities and Maintenance Agreement (if applicable) to your municipality. If an area greater than 5,000 square feet of earth is disturbed, an erosion and sedimentation (E&S) control plan must be prepared. The municipality may require that the E&S plan be submitted to, reviewed, and approved by the Perry County Conservation District.

# Municipal Stormwater Management Worksheet

The minor stormwater site plan assists the owner/applicant in preparing the necessary information for the municipality to review and approve.

## OWNER ACKNOWLEDGMENT

(Municipality may decide if the Owner Acknowledgement should be notarized and/or recorded, based on municipal process)

Development Activities shall begin only after the municipality approves the plan.

The installed BMPs will not adversely affect any property, septic systems, or drinking water wells on this or any other property.

If a stormwater management alternative to the approved minor stormwater site plan is used, the applicant will submit a revised plan to the municipality for approval. If a site requires a more complex system or if problems arise, the applicant may need the assistance of a licensed professional.

The applicant acknowledges that the proposed stormwater management BMPs will be a permanent fixture of the property that cannot be altered or removed without approval by the Township.

I (we) \_\_\_\_\_, hereby acknowledge the above statements and agree to assume full responsibility for the implementation, construction, operation, and maintenance of the proposed stormwater management facilities. Furthermore, I (we) also acknowledge that the steps, assumptions, and the guidelines provided in this simplified approach package (minor stormwater site plan & Municipal Stormwater Worksheets(s)) will be adhered to.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

# Centre Township Storm Water Management Process

## Type of SWM Required

Depends on two factors

1. Impervious coverage since May 15, 2019
2. Amount of earth to be disturbed

**Any EXEMPT project with an impervious area of less than 1,000 sf.**

- Submit an application
- Submit the worksheet and sign the acknowledgement
- Submit a check for the required fee.

**Any MINOR project that meets the criteria for the disconnect with an impervious area greater than 1,000 sf and less than 10,000 sf must:**

- Submit an application
- Submit a site plan demonstrating disconnect with drainage area to each discharge point and slope of receiving area.
- Submit the worksheets and sign the acknowledgement
- Submit a check for the required fee

**Any FORMAL project that does not meet the criteria for the disconnect with an impervious area greater than 1,000 sf and less than 5,000 sf requires Storm water BMPs and must:**

- Submit an application
- Submit a site plan w/BMPs
- Submit the worksheets and sign the acknowledgement
- Submit the O and M agreement
- Financial security may be required.
- Submit an e and s plan to the PCCD for review and approval.
- Submit a check for the required fee

**Any FORMAL project that does not meet the criteria for the disconnect with an impervious area greater than 5,000 sf but less than 10,000 sf is not eligible for the simplified approach must:**

- Submit a plan in accordance with the Centre Twp SWM Ordinance
- Submit an application.
- Submit a SWM plan, narrative and supporting calculations
- Submit an E and S plan to the PCCD for review and approval
- Sign and submit the acknowledgment letter
- Submit an O and M agreement
- Financial security may be required
- Submit a check for the required fee

**Any project with a disturbed area greater than 1 acre regardless of impervious area must get an NPDES permit from PCCD and DEP and must:**

- Submit an application
- Submit copies of the approved PCSM and E and S plans and supporting documents
- Sign and submit the acknowledgement letter
- Submit an O and M agreement
- Financial security may be required.
- Plans and agreement may be recorded.
- Submit a check for the required fee

*An E and S plan is required for any disturbance greater than 5,000 sf. The property owner or excavator should have this plan on site and be implementing the measures shown on the plan.*