

## Construction/Stormwater Pollution Prevention Plan Technical Review and Comment (*Form 1*)

Project Information	<b>Project Name:</b> _____	<b>County:</b> Delaware			
	<b>Plan Submittal Date:</b> _____	<b>Hydrologic Unit Code:</b> _____			
	<b>Project Location Description:</b>				
	<b>Latitude and Longitude:</b>				
	<b>Civil Township:</b> _____	<b>Quarter:</b> _____	<b>Section:</b> _____	<b>Township:</b> _____	<b>Range:</b> _____
	<b>Project Owner Name:</b> _____				
	<b>Contact:</b> _____				
	<b>Address:</b> _____				
	<b>City:</b> _____	<b>State:</b> _____	<b>Zip:</b> _____		
	<b>Phone:</b> _____	<b>FAX:</b> _____	<b>E-Mail:</b> _____		
<b>Plan Preparer Name:</b> _____					
<b>Affiliation:</b> _____					
<b>Address:</b> _____					
<b>City:</b> Muncie	<b>State:</b> In	<b>Zip:</b> _____			
<b>Phone:</b> _____	<b>FAX:</b> _____	<b>E-Mail:</b> _____			

Plan Review	<b>Review Date:</b> _____		
	<b>Principal Plan Reviewer:</b> Toni Cecil		
	<b>Agency:</b> Muncie / Delaware Stormwater Management		
	<b>Address:</b> 5150 W. Kilgore Ave., Building 8		
	<b>City:</b> Muncie	<b>State:</b> In	<b>Zip:</b> 47304
	<b>Phone:</b> 765-747-4896	<b>FAX:</b> 765-213-6444	<b>E-Mail:</b> tcecil@msdeng.com
	<b>Assisted By:</b> none		

**PLAN IS ADEQUATE:** A comprehensive plan review has been completed and it has been determined that the plan satisfies the minimum requirements and intent of 327 IAC 15-5.

Please refer to additional information included on the following page(s).

**Submit Notice of Intent (NOI):** Attach a copy of this cover page when submitting the NOI to the Indiana Department of Environmental Management. Construction activities may begin 48 hours following the submittal of the NOI. A copy of the NOI must also be sent to the Reviewing Authority (e.g. SWCD, DNR).

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A preliminary plan review has been completed; a comprehensive review will not be completed within the 28-day review period. The reviewing authority reserves the right to perform a comprehensive review at a later date and revisions to the plan may be required at that time to address deficiencies.

Please refer to additional information included on the following page(s).

**Submit Notice of Intent (NOI):** Attach a copy of this cover page when submitting the NOI to the Indiana Department of Environmental Management. Construction activities may begin 48 hours following the submittal of the NOI. A copy of the NOI must also be sent to the Reviewing Authority (e.g. SWCD, DNR).

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**PLAN IS DEFICIENT:** Significant deficiencies were identified during the plan review.

Please refer to additional information included on the following page(s).

**DO NOT** file a Notice of Intent for this project.

**DO NOT** commence land disturbing activities until all deficiencies are adequately addressed, the plan re-submitted, and notification has been received that the minimum requirements have been satisfied.

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**Plan Revisions**     **Deficient Items** should be mailed or delivered to the Principal Plan Reviewer identified in the Plan Review Section above.

**Construction/Stormwater Pollution Prevention Plan - Technical Review and Comment (Form 1)**

<b>Project Name:</b> 0
<b>Date Reviewed:</b> 01/00/00

*The technical review and comments are intended to evaluate the completeness of the Construction/Stormwater Pollution Prevention Plan for the project. The Plan submitted was not reviewed for the adequacy of the engineering design. All measures included in the plan, as well as those recommended in the comments should be evaluated as to their feasibility by a qualified individual with structural measures designed by a qualified engineer. The Plan has not been reviewed for other local, state, or federal permits that may be required to proceed with this project. Additional information, including design calculations may be requested to further evaluate the Plan.*

*All proposed stormwater pollution prevention measures and those referenced in this review must meet the design criteria and standards set forth in the "Indiana Stormwater Quality Manual" from the Indiana Department of Natural Resources, Division of Soil Conservation or similar Guidance Documents.*

**Please direct questions and/or comments regarding this plan review to:**

Toni Cecil

**Please refer to the address and contact information identified in the Plan Review Section on page 1.**

**Assessment of Construction Plan Elements (Section A)**

**The Construction Plan Elements are adequately represented to complete a plan review:**

Yes     No

**The items checked below are deficient and require submittal to meet the requirements of the rule.**

A		A	
<input type="checkbox"/>	<b>1</b> Index showing locations of required Plan Elements	<input type="checkbox"/>	<b>2</b> 11 by 17 inch plat showing building lot numbers/boundaries and road layout/names
<input type="checkbox"/>	<b>3</b> Narrative describing the nature and purpose of the project	<input type="checkbox"/>	<b>4</b> Vicinity map showing project location
<input type="checkbox"/>	<b>5</b> Legal Description of the Project Site (Include Latitude and Longitude - NOI Requirement)	<input type="checkbox"/>	<b>6</b> Location of all lots and proposed site improvements (roads, utilities, structures, etc.)
<input type="checkbox"/>	<b>7</b> Hydrologic unit code (14 Digit)	<input type="checkbox"/>	<b>8</b> Notation of any State or Federal water quality permits
<input type="checkbox"/>	<b>9</b> Specific points where stormwater discharge will leave the site	<input type="checkbox"/>	<b>10</b> Location and name of all wetlands, lakes and water courses on and adjacent to the site
<input type="checkbox"/>	<b>11</b> Identification of all receiving waters	<input type="checkbox"/>	<b>12</b> Identification of potential discharges to ground water (abandoned wells, sinkholes, etc.)
<input type="checkbox"/>	<b>13</b> 100 year floodplains, floodways, and floodway fringes	<input type="checkbox"/>	<b>14</b> Pre-construction and post construction estimate of Peak Discharge (10 Year storm event)
<input type="checkbox"/>	<b>15</b> Adjacent landuse, including upstream watershed	<input type="checkbox"/>	<b>16</b> Locations and approximate boundaries of all disturbed areas (Construction Limits)
<input type="checkbox"/>	<b>17</b> Identification of existing vegetative cover	<input type="checkbox"/>	<b>18</b> Soils map including soil descriptions and limitations
<input type="checkbox"/>	<b>19</b> Locations, size and dimensions of proposed stormwater systems (e.g. pipes, swales and channels)	<input type="checkbox"/>	<b>20</b> Plans for any off-site construction activities associated with this project (sewer/water tie-ins)
<input type="checkbox"/>	<b>21</b> Locations of proposed soil stockpiles and/or borrow/disposal areas	<input type="checkbox"/>	<b>22</b> Existing site topography at an interval appropriate to indicate drainage patterns
<input type="checkbox"/>	<b>23</b> Proposed final topography at an interval appropriate to indicate drainage patterns		

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**Assessment of Stormwater Pollution Prevention Plan (Sections B & C)**

**Stormwater Pollution Prevention Plan - Construction Component (Section B)**

Adequate	Deficient	Not Applicable	B	
				<i>The construction component of the Stormwater Pollution Prevention Plan includes stormwater quality measures to address erosion, sedimentation, and other pollutants associated with land disturbance and construction activities. Proper implementation of the plan and inspections of the construction site are necessary to minimize the discharge of pollutants. The Project Site Owner should be aware that unforeseen construction activities and weather conditions may affect the performance of a practice or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute practices as necessary.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>1 Description of potential pollutant sources associated with construction activities</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>2 Sequence describing stormwater quality measure implementation relative to land disturbing activities</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3 Stable construction entrance locations and specifications (at all points of ingress and egress)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>4 Sediment control measures for sheet flow areas</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>5 Sediment control measures for concentrated flow areas</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>6 Storm sewer inlet protection measure locations and specifications</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>7 Runoff control measures (e.g. diversions, rock check dams, slope drains, etc.)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>8 Storm water outlet protection specifications</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>9 Grade stabilization structure locations and specifications</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>10 Location, dimensions, specifications, and construction details of each stormwater quality measure</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>11 Temporary surface stabilization methods appropriate for each season (include sequencing)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>12 Permanent surface stabilization specifications (include sequencing)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>13 Material handling and spill prevention plan</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>14 Monitoring and maintenance guidelines for each proposed stormwater quality measure</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>15 Erosion &amp; sediment control specifications for individual building lots</b>

**Stormwater Pollution Prevention Plan - Post Construction Component (Section C)**

Adequate	Deficient	Not Applicable	C	
				<i>The post construction component of the Stormwater Pollution Prevention Plan includes the implementation of stormwater quality measures to address pollutants that will be associated with the final landuse. Post construction stormwater quality measures should be functional upon completion of the project. Long term functionality of the measures are critical to their performance and should be monitored and maintained.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>1 Description of pollutants and their sources associated with the proposed land use</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>2 Sequence describing stormwater quality measure implementation</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3 Description of proposed post construction stormwater quality measures (Include a written description of how these measures will reduce discharge of expected pollutants)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>4 Location, dimensions, specifications, and construction details of each stormwater quality measure</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>5 Description of maintenance guidelines for post construction stormwater quality measures</b>

## Construction/Stormwater Pollution Prevention Plan - Local Technical Review

Project Name: 0

Date Reviewed: 01/00/00

**This page includes additional requirements by the local Municipality.**

- L1**    City of Muncie         Delaware County         Town of Yorktown
- L2**    A SWPPP was not prepared and approved prior to construction.
- L3**    SWPPP does not identify locations of:
- Porta-lets
  - Fuel tanks
  - Dumpster pad
  - Staging area
  - Chemical storage
  - Other \_\_\_\_\_
- L4**    SWPPP does not have site description as follows:
- Nature of activity in narrative description
  - Total disturbed acreage
  - Total final impervious area
- L5**    Site map does not show:
- Drainage patterns
  - Points of discharge
  - Drainage area for each BMP
- L6**    Schedule does not include implementation of stabilization practices.
- L7**    Permanent stabilization does not note return of top soil, including swales.
- L8**    All water bodies on the site or adjacent properties are not labeled.
- L9**    SWPPP does not include structural practices to divert flows from exposed soils, retain run off, or limit run off from exposed areas.
- L10**    Post construction: SWPPP does not have a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur AFTER construction operations have been completed.
- L 11**    SWPPP does not reference the IDEM Indiana Stormwater Quality Manual.

### **Retail Gasoline Outlets**

- L 12**    SWPPP does not include pollution reduction BMPs.
- L 13**    SWPPP does not include installation details.
- L 14**    Post Construction agreement does not include BMPs, details, or maintenance criteria.

### **Additional documentation required:**

- Copy of Notice of Intent received
- Post Construction Owner's Agreement signed
- Copies of additional state or federal permits have been received  
( 404, 401 WQC, Construction in a Floodway, etc.)
- Copy of Notice of Termination received

**Construction/Stormwater Pollution Prevention Plan - Technical Review and Comment**

**Project Name:** 0

**Date Reviewed:** 01/00/00