



## DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES EROSION AND SEDIMENT CONTROL (E&S) MODULE 1

Applicant: **McKean Woodland I LLC** Project Site Name: **McKean Woodland Solar Project:  
McKean Woodland I LLC**

### E&S PLAN INFORMATION

1. Describe the existing topographic features of the project site and the immediate surrounding area.

**Please see E&S Plan Narrative.**

2. a. Complete the following table for soils present at the project site or attach a separate table.

Map Unit Symbol	Map Unit Name	Acres	HSG	% of Disturbed Area	Site-Specific Limitation	Hydric
	<b>Please see E&amp;S Plan Narrative.</b>				<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>

b. If there are any site-specific soil limitations identified in the table above, discuss how the E&S Plan was designed to address those limitations.

**Please see E&S Plan Narrative.**

c. If hydric soils are present, is a wetland determination attached to this module?  Yes  No  N/A

If No, explain: \_\_\_\_\_

d. If wetlands are found to be present, are a wetland delineation report and plan drawings showing the wetland boundary attached to this module?  Yes  No  N/A

e. Was environmental due diligence conducted for on-site soils to be disturbed?  Yes  No

f. If on-site soils are known to be contaminated, 1) identify the pollutants exceeding Act 2 standards, 2) identify the extent of soil contamination on an E&S Plan Drawing that is attached to this module, and 3) describe the methods that will be used to avoid or minimize disturbance of the contaminated soils in the space provided below or separate sheet.

**N/A**

3. Describe the characteristics of the earth disturbance activity, including the past (at least 50 years ago), present (within the past five (5) years) and proposed land uses and the proposed alteration to the project site.

**Please see E&S Plan Narrative.**

4. Describe the volume and rate of runoff from the project site and its upstream watershed area.

**Please see PCSM Plan Narrative.**

5. Check boxes to indicate all BMPs that will be installed or implemented, indicate the number of BMPs on the project site, and describe any deviations from the E&S Manual.

E&S BMPs	No. BMPs	Deviation(s) from E&S Manual
<input checked="" type="checkbox"/> Rock Construction Entrance		
<input type="checkbox"/> Rock Construction Entrance with Wash Rack		
<input type="checkbox"/> Rumble Pad		
<input type="checkbox"/> Wheel Wash		
<input checked="" type="checkbox"/> Temporary/Permanent Access Roads	<b>1</b>	
<input type="checkbox"/> Waterbar		
<input type="checkbox"/> Broad-based Dip		
<input type="checkbox"/> Open-top Culvert		
<input type="checkbox"/> Water Deflector		
<input type="checkbox"/> Roadside Ditch		
<input type="checkbox"/> Ditch Relief Culvert		
<input type="checkbox"/> Turnout		
<input type="checkbox"/> Compost Sock Sediment Trap		
<input type="checkbox"/> Temporary/Permanent Stream Crossing		
<input type="checkbox"/> Temporary/Permanent Wetland Crossing		
<input type="checkbox"/> Turbidity Barrier (Silt Curtain)		
<input type="checkbox"/> Dewatering Work Areas		
<input type="checkbox"/> Pumped Water Filter Bag		
<input type="checkbox"/> Sump Pit		
<input type="checkbox"/> Concrete Washout		
<input checked="" type="checkbox"/> Compost Filter Sock	<b>20</b>	
<input type="checkbox"/> Compost Filter Berm		
<input type="checkbox"/> Weighted Sediment Filter Tube		
<input type="checkbox"/> Silt Fence (Filter Fabric Fence)		
<input type="checkbox"/> Reinforced Silt Fence		
<input type="checkbox"/> Super Silt Fence		

E&S BMPs	No. BMPs	Deviation(s) from E&S Manual
<input type="checkbox"/> Sediment Filter Log (Fiber Log)		
<input type="checkbox"/> Wood Chip Filter Berm		
<input type="checkbox"/> Straw Bale Barrier		
<input type="checkbox"/> Rock Filter		
<input type="checkbox"/> Vegetative Filter Strip		
<input type="checkbox"/> Inlet Filter Bag		
<input type="checkbox"/> Stone Inlet Protection		
<input type="checkbox"/> Runoff Conveyance (Channel)		
<input type="checkbox"/> Bench		
<input type="checkbox"/> Top-of-Slope Berm		
<input type="checkbox"/> Temporary Slope Pipe		
<input type="checkbox"/> Sediment Basin		
<input type="checkbox"/> Sediment Trap		
<input type="checkbox"/> Riprap Apron		
<input type="checkbox"/> Flow Transition Mat		
<input type="checkbox"/> Stilling Basin (Plunge Pool)		
<input type="checkbox"/> Stilling Well		
<input type="checkbox"/> Energy Dissipater		
<input type="checkbox"/> Drop Structure		
<input type="checkbox"/> Earthen Level Spreader		
<input type="checkbox"/> Structural Level Spreader		
<input type="checkbox"/> Surface Roughening		
<input checked="" type="checkbox"/> Vegetative Stabilization		
<input checked="" type="checkbox"/> Erosion Control Blanket		
<input type="checkbox"/> Soil Binders		
<input type="checkbox"/> Sodding		
<input type="checkbox"/> Cellular Confinement Systems		
<input type="checkbox"/> Alternative:		
<input type="checkbox"/> Alternative:		

6.	<input checked="" type="checkbox"/>	E&S Plan Drawings have been developed for the project and are attached to the NOI/application.
7.	<input checked="" type="checkbox"/>	All applicable Standard E&S Worksheets from Appendix B of the E&S Manual, or other calculations equivalent to Appendix B Worksheets, have been completed and are attached to the NOI/application.
8.	<input checked="" type="checkbox"/>	Supporting E&S BMP calculations are attached to the NOI/application.
9.	<input checked="" type="checkbox"/>	A complete sequence of BMP installation and removal in relation to the scheduling of earth disturbance activities, prior to, during and after earth disturbance activities, that ensures the proper functioning of all BMPs is provided on the E&S Plan Drawings.
10.	<input type="checkbox"/>	A cut/fill balance sheet with soil volumes identified is attached.
11.	<input checked="" type="checkbox"/>	BMPs will be inspected on a weekly basis and after measurable storm events (i.e., at least 0.25 inch).
12.	<input checked="" type="checkbox"/>	The following information relating to <u>temporary stabilization</u> measures is identified on the E&S Plan Drawings: 1) vegetative species, 2) % pure live seed, 3) seed application rate, 4) fertilizer type, 5) fertilizer application rate, 6) mulch type, 7) mulching rate, and 8) liming rate.
13.	<input checked="" type="checkbox"/>	The following information relating to <u>permanent stabilization</u> measures is identified on the E&S Plan Drawings: 1) vegetative species, 2) % pure live seed, 3) seed application rate, 4) fertilizer type, 5) fertilizer application rate, 6) mulch type, 7) mulching rate, 8) liming rate, 9) anchor material, 10) anchoring method, 11) rate of anchor material application, 12) topsoil placement depth, and 13) seeding season dates.
14.	<input checked="" type="checkbox"/>	The procedures that will be taken to ensure that recycling or disposal of materials associated with or from the project site will be conducted properly is described on the E&S Plan Drawings.
15.	<input checked="" type="checkbox"/>	The E&S Plan has been planned, designed, and will be implemented to be consistent with the PCSM Plan.
16.	<input type="checkbox"/>	The project includes existing and/or proposed riparian forest buffers as shown on the E&S / PCSM Plan Drawings.
17.	<input type="checkbox"/>	Construction dewatering is expected and BMPs for treating this water are shown on E&S Plan Drawings.
18.		<p>Identify the presence of any naturally occurring geologic formations or soil conditions that may have the potential to cause pollution during earth disturbance activities below. If such formations or conditions exist, identify BMPs on the E&amp;S Plan Drawings that will be implemented to avoid or minimize potential pollution. (Enter "N/A" if not applicable).</p> <p><b>Please see E&amp;S Plan Narrative.</b></p>
19.		<p>Identify whether the potential exists for thermal impacts to surface waters from the earth disturbance activity below. If such potential exists, identify BMPs on the E&amp;S Plan Drawings that will be implemented to avoid, minimize, or mitigate potential thermal impacts.</p> <p><b>Please see E&amp;S Plan Narrative.</b></p>

**E&S PLAN DEVELOPER**

I am trained and experienced in E&S control methods.

I am a licensed professional.

No. years of experience preparing E&S Plans: 37

I am a certified E&S professional.

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Cert. No.: \_\_\_\_\_

Cert. Type: \_\_\_\_\_

Exp. Date: 2027-09-30

*Edward W. Bihary Jr.*

2025-09-18

**E&S Plan Developer Signature**

**Date**