

Petition No. 1220
Site Clearing Development and Management Plan
Interrogatories
Set Two
August 3, 2018

1. By email dated August 1, 2018, Windham Solar LLC (WS) noted that typical tree cutting methods such as "equipment mounted cutting devices" or "chainsaws" may be used. Explain specifically what kinds of "equipment mounted cutting devices" would be used. WS also notes that a mower mounted on a skid steer would be used for mowing/brush cutting. What is a skid steer?

A skid loader, skid-steer loader, or skid steer, is a small, rigid-frame, engine-powered machine with lift arms used to attach a wide variety of labor-saving tools or attachments. Below is a photo of a skid steer with a mower/brush cutting attachment. There are hundreds of labor saving attachments that can be attached to the lift arms to preform land clearing.



Below is a photo of other "equipment mounted cutting devices" that may be used on site by the clearing contractor.



Would any of the cutting or mowing equipment be considered heavy equipment, and would it disturb soils?

Heavy equipment refers to heavy-duty vehicles, specially designed for executing construction tasks, most frequently ones involving earthwork operations. Below is a photo of typical heavy equipment.



No earthwork operations will occur during the requested tree clearing or brush cutting operations on the site. Minimal soil disturbances will occur during the clearing operation and it will not exceed 1AC for the entire project, thus a General Stormwater Permit from CT-DEEP for tree and brush clearing is not required.

For example, would such equipment cause tire ruts at the site?

No. Ground pressure from a device such as a skid steer is 4.2 PSI (unloaded). Attached as Exhibit A is the specification for a Kubota skid steer outlining the products ground pressure. Other track mounted equipment that will be used during the tree clearing operation are similar in loading to this ground pressure. Track mounted equipment exhibit less ground for the weight of the devices are spread out over a larger area, thus minimizing the soil load, and subsequent tire rutting. The image below further illustrates this example.



2. Are any erosion and sedimentation controls specified for the tree clearing operation? If so, please submit details.

Yes. The projects rock construction entrance is proposed with the tree clearing. The detail was provided on the Site Clearing Exhibit dated July 19, 2018. The construction entrance, will be installed to identify the entrance location to each project, and prevent potential sediment transported onto the paved roadway by vehicles.

If not, why are no controls proposed?

Perimeter silt fence is not required for tree or brush clearing given that no grading, stump removal or earthwork is proposed. Again, Soil disturbances may occur, but they will be less than 1AC for the entire clearing, thus General Stormwater Permit from CT-DEEP is not required.

Is the lack of controls consistent with the *2002 Connecticut Guidelines for Soil Erosion and Sedimentation Control* –Chapter 4, Part 1?

Yes. For what WS is asking for is not Large Construction Site Sequencing. WS is only asking to Cut trees and brush on site, with full construction sequencing occurring at the time of the SWPCP and general permit approval.

Tree and brush clearing does not fall under the into the *2002 Connecticut Guidelines for Soil Erosion and Sedimentation Control* –Chapter 4, Part 1 If that were the case, then every forest or tree clearing operation in the state of Connecticut would require a general stormwater permit.

3. WS also noted that the normal working hours would be 7:00 a.m. to 6:00 p.m. Please provide the days of the week/weekend for these standard hours, e.g. Monday through Friday.
Monday through Saturday.

4. Comparing the approved "Overall Site Plan" dated June 6, 2016 and the Site Clearing Exhibit dated July 19, 2018, are the proposed tree and brush clearing areas no larger than originally approved? Explain.

The overall site plan dated June 6, 2016 outlined the limits of the project. It did not incorporate the measures necessary for a final site design consistent with the 2002 CT guidelines for Erosion and Sediment control and the 2004 Connecticut Stormwater Quality manual. The clearing footprint submitted to the CSC dated July 19, 2018 represent the development footprint required to incorporate those measures.

Is the brush clearing area on the west side of Project 1 slightly less than the approved clearing area in order to provide a wetland buffer?

The green line on the June 6, 2016 site plan may have been interpreted as the clearing limits. However that line is actually the is the surveyed limits of the tree canopy line. Everything interior to that green line is represented as brush. The clearing limits illustrated in the July 19, 2018 illustrates the area of brush or trees that needs to be cleared incorporate the Stormwater and Erosion control Measures and build the solar facility.

5. Will the resulting logs, branches and wood waste be shipped off-site?

Given the quality of wood on site (majority is pine and other softwoods), it's likely that all materials will be chipped on site into a chipper truck or stockpiled on site for erosion control purposes during construction. Below is a photo of a chipper with a haul truck.



If so, what type of equipment would be used to remove the logs and wood waste from the site?

If not chipped, logs would be loaded into a similar truck receiving the wood chippings and driven off site.

Would there be a centralized loading location?

No, the chipper and truck (or stockpile locations) would be brought to the trees, not vice versa. The chipper without the truck may also be transported around the site (likely with the skid steer), and chippings would be piled on site for use as erosion control.

If not being shipped off-site, how would the wood materials be stored/used at the site?

Some logs from the clearing operation may be stored on site for chipping at a later date, once sitework begins, for wood chips are a great ground cover for erosion control.

6. What is the status of the submission of the stormwater pollution control plan (SWPCP) to the Connecticut Department of Energy and Environmental Protection (DEEP).

On 8/3/18, filing 44036 was successfully submitted to DEEP. Attached as Exhibit B is the receipt confirmation e-mail from DEEP. A digital link to the complete SWCPC is below.

<https://ecosenergy.box.com/s/ui66jb61u6l8jemfo3ws4pwxnfczs9ed>

7. Attached is correspondence from DEEP dated August 2, 2018. Please respond to this correspondence.

Attached separately is a response letter from our counsel relating to the DEEP comment letter.

SVL

SVL90-2

Kubota

SPECIFICATIONS

Specifications

Model				SVL90-2	
Type of operator station				Open CAB / Closed CAB	
Engine	Model			V3800-CR-TE4	
	Gross HP		HP (kW)/rpm	92.0 (68.6)/ 2400	
	Displacement		cu.in. (cc)	230.0 (3769)	
	Cylinders			4	
	Bore × stroke		in.(mm)	3.94 (100) × 4.72 (120)	
	Aspiration			Turbocharged	
Loader performance	Rated operating capacity-35% tipping load		lbf. (kg)	3010 (1365)	
	Rated operating capacity-50% tipping load		lbf. (kg)	4300 (1950)	
	Tipping load		lbs. (kg)	8600 (3900)	
	Breakout force	Bucket	lbf. (kg)	7961 (3611)	
		Lift arm	lbf. (kg)	6742 (3058)	
	Lifting capacity		lbs. (kg)	5869 (2662)	
	Lift arm path			Vertical	
Undercarriage	Track width		in. (mm)	17.7 (450)	
	Ground pressure		psi	4.2 / 4.3	
	Track rollers (per side)			5	
	Track ground contact length		in. (mm)	65.6 (1667)	
	Travel speed	Low	mph (km/h)	5.0 (8.0)	
		High	mph (km/h)	7.3 (11.7)	
	Traction force		lbf. (kg)	12178 (5524)	
	Min. ground clearance		in. (mm)	11.8 (299)	
Hydraulic system	Aux. hydraulic flow	Standard / High (opt.)	gpm (ℓ/min.)	23.1 (87.6) / 33.7 (127.7)	
	Aux. hydraulic pressure		psi (kgf/cm²)	3185 (224.0)	
	Hydraulic system			gal. (ℓ)	18 (68)
Service refill capacities	Hydraulic tank		gal. (ℓ)	10.1 (38.1)	
	Fuel tank		gal. (ℓ)	29.9 (113)	
Operating weight (include operator weight 175lbs.)			lbs. (kg)	11023 (5000) / 11299 (5125)	

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications.

SVL

SVL90-2

Kubota

SPECIFICATIONS

Dimensions

Model			SVL90-2
A	Length of track on ground	in. (mm)	65.6 (1667)
B	Track gauge	in. (mm)	59.5" (1512)
C	Length w/o bucket	in. (mm)	117" (2972)
D	Length w/bucket on ground	in. (mm)	148.2" (3764)
E	Height to top of cab	in. (mm)	83.4" (2118)
F	Bucket pin height at max. lift	in. (mm)	128.6" (3266)
G	Rollback angle at carry position	degree	27
H	Reach at max. lift and dump	in. (mm)	40.7" (1035)
I	Ground clearance	in. (mm)	11.8 (299)
J	Departure angle	degree	31
K	Max. dump angle	degree	43
L	Vehicle width	in. (mm)	77.2" (1962)
M	Width with bucket	in. (mm)	80" (2032)
N	Turning radius from center-machine rear	in. (mm)	56.7" (1441)

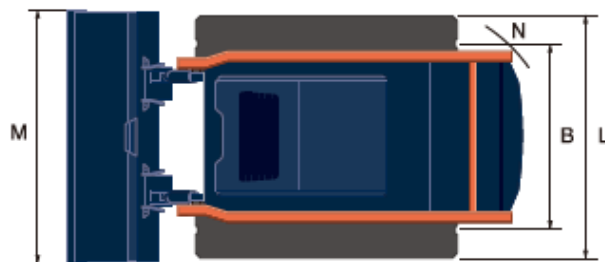
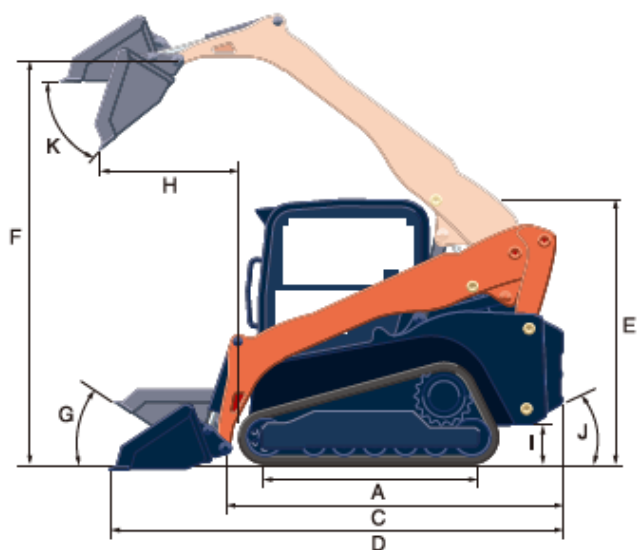


EXHIBIT B

Steve Broyer

From: eFiling@ct.gov
Sent: Friday, August 3, 2018 10:06 AM
To: Steve Broyer
Subject: Filing 44036 submitted successfully
Attachments: Submission Receipt.xml

Hello Steve Broyer,

Thank you for submitting your form online. Your filing id is 44036.

Your submission receipt is attached.

The filing can be viewed on your home page under 'Open Filings' on the [DEEP ezFile Portal](#)

Thank You,

Department of Energy and Environmental Protection



**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 10/1/13 (electronic form)

Prior to completing this form, you **must** read the instructions for the subject general permit at [DEEP-WPED-INST-015](#).
This form must be filled out electronically before being printed.
You must submit the registration fee along with this form.

The [status of your registration](#) can be checked on the DEEP's ezFile. Portal. Please note that DEEP will no longer mail certificates of registration.

Part I: Registration Type

Select the appropriate boxes identifying the registration type and registration deadline.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program:	<u>Stormwater</u>

Registration Type		Registration Timeline	
<input type="checkbox"/>	Re-registration Existing Permit No. GSN _____	On or before February 1, 2014* *Note: Failure to renew a permit by this date will require submission of new registration. Re-registrants must only complete Parts I, II, III, IV - Question 1, VII and submit Attachment A.	
<input checked="" type="checkbox"/>	New Registration (Refer to Section 2 of the permit for definitions of Locally Exempt and Locally Approvable Projects)	<input type="checkbox"/> Locally Approvable Size of soil disturbance: _____	New registration - Sixty (60) days prior to the initiation of the construction activity for: For sites with a total soil disturbance area of 5 or more acres
		<input checked="" type="checkbox"/> Locally Exempt Size of soil disturbance: 33.90	<input type="checkbox"/> New registration - Sixty (60) days prior to the initiation of the construction activity for: Sites with a total disturbance area of one (1) to twenty (20) acres except those with discharges to impaired waters or tidal wetlands
			<input checked="" type="checkbox"/> New registration - Ninety (90) days prior to the initiation of the construction activity for: (i) Sites with a total soil disturbance area greater than twenty (20) acres, or (ii) Sites discharging to a tidal wetland (that is not fresh-tidal and is located within 500 feet), or (iii) Sites discharging to the impaired water listed in the "Impaired Waters Table for Construction Stormwater Discharges"

Part II: Fee Information

1. New Registrations
 - a. Locally approvable projects (registration only):
☐ \$625
 - b. Locally exempt projects (registration and Plan):
☐ \$3,000 total soil disturbance area \geq one (1) and < twenty (20) acres.
☒ \$4,000 total soil disturbance \geq twenty (20) acres and < fifty (50) acres.
☐ \$5,000 total soil disturbance \geq fifty (50) acres.
2. Re-Registrations
☐ \$625 (sites previously registered prior to September 1, 2012)
☐ \$0 (sites previously registered between to September 1, 2012 and effective date of this permit)

Total Fee: \$4,000.00

The fees for municipalities shall be half of those indicated in subsections (a), (b) and (c) above pursuant to Section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Energy and Environmental Protection.

Part III: Registrant Information

- If a registrant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of the State. If applicable, the registrant's name shall be stated **exactly** as it is registered with the Secretary of the State. This information can be accessed at [CONCORD](#)
- If a registrant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

1. Registrant /Client Name: WINDHAM SOLAR LLC		
Registrant Type: Business Entity		
Secretary of the State business ID #: 1158009		
Mailing Address: 222 S 9th St		
City/Town: Minneapolis	State: MN	Zip Code: 55402
Business Phone: (612) 326-1500	ext.: _____	
Example:(xxx) xxx-xxxx		
Contact Person: Steve Broyer	Title : Sr. Project Manager	
E-Mail: steve.broyer@ecosrenewable.com		
2. List billing contact:		
Name: WINDHAM SOLAR LLC		
Mailing Address: 222 S 9th St		
City/Town: Minneapolis	State: MN	Zip Code: 55402
Business Phone: (612) 326-1500	ext.: _____	
Contact Person: Steve Broyer	Title : Sr. Project Manager	

3. List primary contact for departmental correspondence and inquiries:

Name: WINDHAM SOLAR LLC

Mailing Address: 222 S 9th St

City/Town: Minneapolis State: MN Zip Code: 55402

Business Phone: (612) 326-1500 ext.

Contact Person: Steve Broyer Title: Sr. Project Manager

4. List owner of the property on which the activity will take place:

Name: PLH, LLC

Mailing Address: 222 S 9th St

City/Town: Minneapolis State: MN Zip Code: 55402

Business Phone: (612) 236-1500 ext.

Contact Person: Steve Broyer

5. List preparer:

Name: WESTWOOD PROFESSIONAL SERVICES, INC.

Mailing Address: 7699 Anagram Dr

City/Town: Eden Prairie State: MN Zip Code: 55344

Business Phone: (888) 937-5150 ext.

Contact Person: Aaron Mlynek Title: Director Stormwater Compliance

6. List design professional:

Name: CLA ENGINEERS, INC.

Mailing Address: 317 MAIN ST

City/Town: NORWICH State: CT Zip Code: 06360

Business Phone: (860) 866-1966 ext.

Contact Person: ELLEN BARTLETT Title:

7. List Reviewing Qualified Professional (for locally approvable projects only):

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext.

Contact Person: Title:

Part IV: Site Information

1. Site Name: Voluntown Solar

Street Address or Description of Location: 1240 Voluntown Rd

City/Town: Griswold State: CT Zip Code: 06351

Brief Description of construction activity: Ground Mounted Solar Energy Facility

Project Start Date: 22 Oct 2018 Anticipated Completion Date: 1 Oct 2019

Normal working hours: 7 to 6

2. **MINING** : Is the activity on the site in question part of mining operations (i.e. sand and gravel)? ☐Yes ☒No

If yes, mining is not authorized by this general permit. You must submit the Registration Form for the General Permit for the Discharge of Stormwater Associated with Industrial Activity.

3. **COMBINED OR SANITARY SEWER:** Does all of the stormwater from the proposed activity discharge to a combined or sanitary sewer (i.e. a sewage treatment plant)? ☐ Yes ☒No

If yes, this activity is not regulated by this permit. Contact the Water Permitting & Enforcement Division at 860-424-3018.

4. **INDIAN LANDS:** Is or will the facility be located on federally recognized Indian lands? ☐ Yes ☒No

5. **COASTAL BOUNDARY:** Is the activity which is the subject of this registration located

within the coastal boundary as delineated on DEEP approved coastal boundary maps? ☐ Yes ☒No

The coastal boundaries fall within the following towns: Branford, Bridgeport, Chester, Clinton, Darien, Deep River, East Haven, East Lyme, Essex, Fairfield, Greenwich, Groton (City and Town), Old Lyme, Guilford, Hamden, Ledyard, Lyme, Madison, Milford, Montville, New London, New Haven, North Haven, Norwalk, Norwich, Old Saybrook, Orange, Preston, Shelton, Stamford, Stonington (Borough and Town), Stratford, Waterford, West Haven, Westbrook and Westport.

If "yes", and this registration is for a new authorization or a modification of an existing authorization where the physical footprint of the subject activity is modified, you must provide documentation to the DEEP Office of Long Island Sound Programs or the local governing authority has issued a coastal site plan approval or determined the project is exempt from coastal site plan review. Provide this documentation with your registration as Attachment B. See guidance in Appendix D of the general permit. Information on the coastal boundary is available at the local town hall or on the [Connecticut Coastal Resources Map](#) . Additional DEEP Maps and Publications are available by contacting DEEP Staff at 860-424-3555.

6. **ENDANGERED OR THREATENED SPECIES:**

In order to be eligible to register for this General permit, each registrant must either perform a self-assessment, obtain a limited one-year determination, or obtain a safe-harbor determination regarding threatened and endangered species. This may include the need to develop and implement a mitigation plan. While each alternative has different limitations, the alternatives are not mutually exclusive; a registrant may register for this General Permit using more than one alternative. See Appendix A of the general Permit. Each registrant must complete this AND Attachment C to this Registration form and a registrant who does not or cannot do so is not eligible to register under this General Permit.

Each registration must perform a review of the Department's Natural Diversity Database maps to determine if the site of the construction activity is located within or in proximity (within ¼ mile) to a shaded area.

- a. Provide the date of the NDDDB maps were reviewed: 2 Aug 2018 (Print a copy of the NDDDB map you viewed since it must be submitted with this registration as part of Attachment C.)

- b. For a registrant using a limited one-year determination or safe harbor determination to register for this General Permit, provide the Department's Wildlife Division NDDB identification number for any such determination:

201808823 (The number is on the determination issued by the Department's Wildlife Division).

For more information on threatened and endangered species requirements, refer to Appendix A and section 3(b)(2) of this General Permit, Visit the DEEP website at [Natural Diversity Data Base](#) or call the NDDB at 860-424-3011.

- c. I verify that I have completed Attachment C to this Registration Form. ☒ Yes

7. **WILD AND SCENIC RIVERS:** Is the proposed project within the watershed of a designated

Wild and Scenic River? (See Appendix H for guidance)

☐ Yes ☒ No

8. **AQUIFER PROTECTION AREAS:** Is the site located within a mapped

[Aquifer Protection Area](#) , as defined in Section 22a-354h of the CT General Statutes?

(For additional guidance, please refer to Appendix C of the General Permit)

☐ Yes ☒ No

9. **Connecticut Guidelines for Soil Erosion and Sediment Control Guidelines:** Is the activity in

accordance with Connecticut Guidelines for Soil Erosion and Sediment Control Guidelines and local erosion & sediment control ordinances, where applicable?

☒ Yes ☐ No

10. **HISTORIC AND/OR ARCHAEOLOGICAL RESOURCES:**

Has the site of the proposed activity been reviewed (using the process outlined in Appendix G of this permit) for historic and/or archaeological resources?

☒ Yes ☐ No

- a. The review indicates the proposed site does not have the potential for historic/ archaeological resources, OR

☐ Yes ☒ No

- b. The review indicated historic and/ or archaeological resource potential exists and the proposed activity is being or has been reviewed by the Offices of Culture and Tourism, OR

☐ NA ☒ Yes ☐ No

- c. The proposed activity has been reviewed and authorized under an Army Corps of Engineers Section 404 wetland permit.

☒ NA ☐ Yes ☐ No

11. **CONSERVATION OR PRESERVATION RESTRICTION:**

Is the property subject to a conservation or preservation restriction?

☐ Yes ☒ No

If Yes, proof of written notice of this registration to the holder of such restriction or a letter from the holder of such restriction verifying this registration is in compliance with the terms of the restriction, must be submitted as Attachment D.

Part V: Stormwater Discharge Information

Table 1

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat. /long. and conversions can be found in in Part V, section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude (Format: -xx.xxxxx)	Latitude (Format: xx.xxxxx)	
E-1	Other(Please fill in below) Basin Level Spreader			-71.904828	41.583187	ezFile Portal Map
E-2	Other(Please fill in below) Basin Level spreader			-71.904452	41.582481	ezFile Portal Map
E-3	Other(Please fill in below) Basin Level Spreader			-71.902468	41.582071	ezFile Portal Map
C-1	Other(Please fill in below) Basin Level Spreader			-71.908132	41.582722	ezFile Portal Map
C-2	Other(Please fill in below) Basin Level Spreader			-71.906309	41.581839	ezFile Portal Map

Part V: Stormwater Discharge Information Continued

Table 2

2. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the storm sewer system:							
Outfall #	Dates when this outfall will be active:	a) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select storm sewer or wetlands, columns c.1&2 of this table are not required to be completed)	b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEP-GP-INST-015 explains how to find this information)	c.1) Is your receiving water identified as an impaired water in the "Impaired Waters Table for Construction Stormwater Discharges" ?	<i>If you answered yes to question c.1, then answer the question below</i> c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?	For the drainage area associated with each outfall: Effective Impervious Area Before Construction (sq ft)	For the drainage area associated with each outfall: Effective Impervious Area After Construction (sq ft)
E-1	Start: 5 Nov 2018 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	39204
E-2	Start: 5 Nov 2018 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	52272
E-3	Start: 5 Nov 2018 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	34848
C-1	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	8712
C-2	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	43560
Provide the total effective impervious area for the entire site(sq ft):						0	283140

Part V: Stormwater Discharge Information

Table 1

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat. /long. and conversions can be found in in Part V, section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude (Format: -xx.xxxxx)	Latitude (Format: xx.xxxxx)	
C-3	Other(Please fill in below) Basin Level Spreader			-71.908004	41.580426	ezFile Portal Map
C-4	Other(Please fill in below) Basin Level Spreader			-71.906244	41.580884	ezFile Portal Map
W-1	Other(Please fill in below) Basin Level Spreader			-71.910235	41.582352	ezFile Portal Map
W-2	Other(Please fill in below) Basin Level Spreaders			-71.909795	41.581245	ezFile Portal Map
W-3	Other(Please fill in below) Basin Level Spreader			-71.911094	41.579913	ezFile Portal Map

Part V: Stormwater Discharge Information Continued

Table 2

2. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the storm sewer system:							
Outfall #	Dates when this outfall will be active:	a) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select storm sewer or wetlands, columns c.1&2 of this table are not required to be completed)	b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEP-GP-INST-015 explains how to find this information)	c.1) Is your receiving water identified as an impaired water in the "Impaired Waters Table for Construction Stormwater Discharges" ?	<i>If you answered yes to question c.1, then answer the question below</i> c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?	For the drainage area associated with each outfall: Effective Impervious Area Before Construction (sq ft)	For the drainage area associated with each outfall: Effective Impervious Area After Construction (sq ft)
C-3	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	13068
C-4	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	21780
W-1	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	4356
W-2	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	26136
W-3	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	26136
Provide the total effective impervious area for the entire site(sq ft):						0	283140

Part V: Stormwater Discharge Information

Table 1

Outfall #	a) Type	b) Pipe Material	c) Pipe Size	d) Note: To find lat/long, go to: CT ECO . A decimal format is required here. Directions on how to use CT ECO to find lat. /long. and conversions can be found in in Part V, section d of the DEEP-WPED-INST-015 .		e) What method was used to obtain your latitude/longitude information?
				Longitude (Format: -xx.xxxxx)	Latitude (Format: xx.xxxxx)	
W-4	Other(Please fill in below) Basin Level Spreader			-71.909828	41.580169	ezFile Portal Map

Part V: Stormwater Discharge Information Continued

Table 2

2. Provide the following information about the receiving water(s)/wetland(s) that receive stormwater runoff from your site, either directly or through the storm sewer system:							
Outfall #	Dates when this outfall will be active:	a) To what system or receiving water does your stormwater runoff discharge? either "storm sewer or wetlands" or "waterbody" (If you select storm sewer or wetlands, columns c.1&2 of this table are not required to be completed)	b) What is your watershed ID (freshwater) or 305b ID (estuary)? (Section 3.b, of the DEP-GP-INST-015 explains how to find this information)	c.1) Is your receiving water identified as an impaired water in the "Impaired Waters Table for Construction Stormwater Discharges" ?	<i>If you answered yes to question c.1, then answer the question below</i> c.2) Has any Total Maximum Daily Load (TMDL) been approved for your receiving waterbody?	For the drainage area associated with each outfall: Effective Impervious Area Before Construction (sq ft)	For the drainage area associated with each outfall: Effective Impervious Area After Construction (sq ft)
W-4	Start: 13 May 2019 End:	Storm Sewer or Wetlands		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	0	13068
	Start: End:	Select One		Y N NA	Y N NA		
	Start: End:	Select One		Y N NA	Y N NA		
	Start: End:	Select One		Y N NA	Y N NA		
	Start: End:	Select One		Y N NA	Y N NA		
Provide the total effective impervious area for the entire site(sq ft):						0	283140

Part V: Stormwater Discharge Information (continued)

Impaired waters: If you answered "yes" to Table 2, question 2.c.1, **verify** that the project's Pollution Control Plan (Plan) addresses the control measures below in Question 1 or 2, as appropriate.

1. If the impaired water does not have a TMDL, confirm compliance by selecting 1.a. or 2.b. below:

a. No more than 3 acres is disturbed at any time; ☐ Yes

OR

b. Stormwater runoff from a 2 yr, 24 rain event is **retained**. ☐ Yes

2. If the impaired water has a TMDL, confirm compliance by selecting 2.a. and 2.b. below and either question 2.c.1. or 2.c.2. below:

a. The Plan documents there is sufficient remaining Waste Load Allocations (WLA) in the TMDL for the proposed discharge, ☐ Yes

AND

b. Control measures shall be implemented to assure the WLA will not be exceeded, ☐ Yes

AND

c. 1. Stormwater discharges will be monitored for the indicator pollutant identified in the TMDL, ☐ Yes

OR

2. The Plan documents specific requirements for stormwater discharges specified in the TMDL. ☐ Yes

Part VI: Pollution Control Plan Availability (check one of the following four categories)

☒ I am registering a Locally Exempt project and submitting the required electronic Plan (in Adobe™ PDF or similarly publically available format) pursuant to Section 3(c)(2)(E) of this permit.

☐ Plan is attached to this registration form

☒ Plan is available at the following Internet Address (URL):

<https://ecosenergy.box.com/s/ui66jb61u6l8jemfo3ws4pwxnfczs9ed>

☐ I am registering a Locally Approvable project and have chosen not to submit the Plan with this registration pursuant to Section 3(c)(1) of this permit.

☐ I am registering a Locally Approvable project and have chosen to make my Plan electronically available pursuant to Section 4(c)(2)(N) of this permit.

☐ Plan is attached to this registration form

☐ Plan is available at the following Internet Address (URL):

☐ I am registering a Locally exempt project and do not have the capability to submit the Plan electronically. Therefore, I am submitting a paper copy with this registration as Attachment E.

Part VII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

For New Registrants:

"I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by WINDHAM SOLAR LLC for an activity located at 1240 Voluntown Rd, Griswold, CT 06351 and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b) (8) (B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes, as amended by Public Act 12-172. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

For Re-registrants:

"I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by _____ for an activity located at _____

and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I verify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this verification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and an other applicable law."

_____ Signature of Registrant	_____ Sr. Project Manager
Steve Broyer Name of Registrant (print or type)	_____ Title (if applicable)
_____ Signature of Preparer and Date (if different than above)	_____ Director Stormwater Compliance
Aaron Mlynek Name of Preparer (print or type)	_____ Title (if applicable)

Part VIII: Professional Engineer (or Landscape Architect, where appropriate) Design Certification (for publically approvable and exempt projects)

The following certification must be signed by a Professional Engineer, or Landscape Architect where appropriate.

<p>"I hereby certify that I am a _____ licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by _____ WINDHAM SOLAR LLC _____ for an activity located at _____ 1240 Voluntown Rd, Griswold, CT 06351 _____ I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."</p>	
<p>_____</p>	
<p>Signature of Design Professional and Date</p>	
<p>ELLEN BARTLETT</p>	<p>18346</p>
<p>Name of Professional (print or type)</p>	<p>License Number</p>
<p>Affix P.E./L.A Stamp Here</p>	

Part IX: Reviewing Qualified Professional Certification

The following certification must be signed by a) a Conservation District reviewer OR, b) a qualified soil erosion and sediment control and/ or professional engineer

☐ **Review Certification by Conservation District:**

1.) District: _____

Date of Affirmative Determination: _____

" I am making this certification in connection with a registration under General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by _____ for an activity located at _____.

I have personally examined and am familiar with the information that provides the basis for this certification, and I affirm, based on the review described in Section 3(b)(11)(C) of this general permit and on the standard of care for such projects, that the Stormwater Pollution Control Plan is adequate to assure that the activity authorized under this general permit will comply with the terms and conditions of such general permit and that all stormwater management systems: (i) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual; (ii) will function properly as designed; (iii) are adequate to ensure compliance with the terms and conditions of this general permit; and (iv) will protect the waters of the state from pollution."

Signature of District Professional and Date

Name of District Professional

License Number (if applicable)

Or

☐ **Review Certification by Qualified Professional:**

Company Name: _____

Name: _____

License #: _____

Level of independency of professional:

Required for all projects disturbing over 1 acre:

1. I verify I am not an employee of the registrant. ☐ Yes

2. I verify I have no ownership interest of any kind in the project for which the registration is being submitted. ☐ Yes

Required for projects with 15 or more acres of site disturbance (in addition to questions 1&2):

3. I verify I did not engage in any activities associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. ☐ Yes

4. I verify I am not under the same employ as any person associated with the preparation, planning, designing or engineering of the soil erosion and sediment control plan or stormwater management systems plan for this registrant. ☐ Yes

Part IX: Reviewing Qualified Professional Certification (continued)

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in Sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by _____ for an activity located at _____.

I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify, based on my review of all information described in Section 3(b)(11)(C) of such general permit and on the standard of care for such projects, that I have made an affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes, as amended by Public Act 12-172, and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under Section 53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of Reviewing Qualified Professional

Name of Reviewing Qualified Professional

License No.

Affix P.E./ L.A. Stamp Here

Note: Please submit the fee along with a completed, printed and signed Registration Form and all additional supporting documents to:

**CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127**