



ENVIRONMENTAL MONITORING
DAILY SITE OBSERVATION FORM

Report No. 3

Project: C-Tec Solar "Barrette Farms" Solar Facility
 Address: 1 Ballard Road, Thompson, Connecticut

APT Project #: CT481111

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| Dates of Inspection: 9/18/17 & 9/26/17 | Weather: 9/18/17 Mostly Cloudy; mid 60's 9/26/17 Sunny; mid 80's |
| Time of Inspection: 9/18/17 8:00 AM & 9/26/17 11:00 AM | Latest Precipitation Event > ¼" (NOAA): 1.25" on 9/7/17 |
| Compliance Monitor: | Matthew Gustafson, Wetland Scientist |

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| Regulatory Compliance Permitting Agency & Permit ID: | |
| ACOE NED <input type="checkbox"/> : CT Siting Council <input checked="" type="checkbox"/> : Petition No.1247 Letter dated January 20, 2017 CTDEEP IWRD <input type="checkbox"/> : CTDEEP NDDDB <input checked="" type="checkbox"/> :Determination Letter #201606676 dated June 6, 2016 Expires June 6, 2017 | |
| Resource Protection Program: | |
| Rare Species <input type="checkbox"/> | Species Name: N/A |
| Wetland <input checked="" type="checkbox"/> | |
| Vernal Pool <input checked="" type="checkbox"/> | |
| Workers Environmental Awareness Program Training Completed: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Date of Training: 4/13/17 Signage Installed Date: 4/13/17 | |
| Compliance Species Observed During Inspection: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Species Name: N/A # Species: N/A | |
| Progress of Construction: | |
| Pre-Construction | <input type="checkbox"/> |
| Initial Exclusion Fencing Inspection | <input type="checkbox"/> |
| Clearing & Grubbing | <input type="checkbox"/> |
| Intermediate | <input type="checkbox"/> |
| Final Inspection | <input checked="" type="checkbox"/> |

| DESCRIPTION OF OBSERVED ACTIVITY | |
|--|-------------------------------|
| Compliance Level: | |
| Communication <input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Problem Area <input type="checkbox"/> <ul style="list-style-type: none"> <input type="checkbox"/> Minor exclusion fencing repair required <input type="checkbox"/> Additional exclusion fencing required <input type="checkbox"/> Additional sedimentation & erosion control measure required <input type="checkbox"/> Sediment release into upland habitat without risk of resource impact <input type="checkbox"/> Soil stabilization required Non-Compliance <input type="checkbox"/> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment release into upland habitat with risk of resource impact <input type="checkbox"/> Sediment release into wetland habitat <input type="checkbox"/> Sediment release into watercourse | |
| Issues Requiring Corrective Action | Corrective Action Implemented |
| CA #1 – small area of exposed soil along top of slope at central-northern boundary of project area. Perimeter controls and/or surface stabilization measures are recommended. | 9/26/17 |
| CA #2 – An unprotected soil pile is located along the south-central boundary of the project area at the edge of top of a slope. Perimeter controls and/or surface stabilization are recommended. | 9/26/17 |
| | |
| Project Modification Requested: | |
| Extra work space requested <input type="checkbox"/> Change to work area <input type="checkbox"/> Change to stormwater feature <input type="checkbox"/> Description of Modification: N/A | |

Notes:

4/13/17 – All clearing work is completed and portions of solar arrays are installed. Trenching for utilities is ongoing. The majority of the Project Area consists of stable soils due to intact, existing vegetation.

5/8/17 – Storm water basin has been constructed at entrance to site. Utility conduits/trenching is currently underway.

9/18/17 & 9/26/17 – All construction site work has been completed. Permanent chain link fence has been installed. All solar arrays and utility routing is complete. All remaining temporary erosion controls should be removed and properly disposed of (perimeter straw wattles) ASAP. With the complete permanent stabilization of the site, this report documents the final construction monitoring inspection.

The Vernal Pool Buffer Enhancement Area was installed on September 18, 2017. All planting stock used was of the proper sizing, quantity, species and were in good health. Planting installation was reviewed while work was ongoing on September 18, 2017, with a final inspection performed on September 26th, 2017. During that inspection it was noted that all plantings installed were properly planted, healthy, and no significant soil disturbance resulted from the activity. Holes excavated for planting were backfilled using an appropriate topsoil to assist in the development of the new plantings.

Plantings should be regularly watered as needed depending upon precipitation events. It was noted that select species were beginning to wilt and should be watered to ensure good health. Installation of the Vernal Pool Buffer Enhancement Area has been completed and fully documented. As such, this report documents the final inspection for the 2017 construction phase of this project. The 2018 growing season will mark the first year of the required 2-year post-construction monitoring period.

Enclosure: Photo Documentation



Photo 1: Access road looking north taken on 9/26/17.



Photo 2: View of permanent vegetative stabilization in between solar arrays looking east taken on 9/26/17.



Photo 3: View of perimeter straw wattle controls looking east taken on 9/26/17.



Photo 4: View of solar arrays looking northwest taken on 9/26/17.



Photo 5: View of vernal pool buffer mitigation area pre-planting looking east taken on 9/18/17.



Photo 6: View of active tree planting taken on 9/18/17.



Photo 7: View of vernal pool buffer mitigation area post planting taken on 9/26/17.



Photo 8: View of vernal pool buffer mitigation area post planting taken on 9/26/17.



Photo 9: View of typical eastern white pine mid planting taken on 9/18/17.