

KENNETH C. BALDWIN

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Also admitted in Massachusetts

April 11, 2017

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

OPTIONAL



Re: **Petition No. 1178 – Fusion Solar Center, LLC – Environmental Monitoring Reports and Daily Site Observation Form Report Nos. 4, 5 and 6**

Dear Ms. Bachman:

Enclosed is a copy of Environmental Monitoring Daily Site Observation Form Report Nos. 4, 5 and 6 for the Fusion Solar Center facility in Sprague, Connecticut. If you have any questions regarding the information contained in these reports please do not hesitate to contact Dean Gustafson, Matt Gustafson or me.

Sincerely,

A handwritten signature in blue ink.

Kenneth C. Baldwin

KCB/kmd

Enclosures

Copy to:

Michael Perrone, Siting Analyst
Timothy Bates
Lance Weinkamer
Chance Combs
Nick Detelich
Will Porter
Dean Gustafson
Matt Gustafson

16219301-v1



ENVIRONMENTAL MONITORING
DAILY SITE OBSERVATION FORM

Report No. 4

Project: DEPCOM Power, Fusion Solar Center
Address: Potash Hill Road, Sprague, Connecticut

APT Project #: CT511100

Date of Inspection: 3/7/2017	Weather: partly cloudy, mid, 40's
Time of Inspection: 8:00 AM and 1:00 PM for CSC Walk	Latest Precipitation Event > 1/4" (NOAA): 0.29" on 3/2/2017
Compliance Monitor:	Matthew Gustafson, Wetland Scientist and Dean Gustafson, Professional Soil Scientist

Regulatory Compliance Permitting Agency & Permit ID:	
CT Siting Council <input checked="" type="checkbox"/> : Petition No. 1178, dated September 22, 2015 CTDEEP NDDB <input checked="" type="checkbox"/> : 201504279, dated January 28, 2016	
Resource Protection Program:	
Rare Species	<input checked="" type="checkbox"/> Species Name: wood turtle, bobolink, breeding birds & Wildlife Enhancement
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: 2/15/17 Signage Installed Date: 2/3/2017	
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 checked="" type="checkbox"/>
Final Inspection	<input type="checkbox"/>

DESCRIPTION OF OBSERVED ACTIVITY	
Compliance Level:	
Communication	<input checked="" type="checkbox"/>
Acceptable	<input type="checkbox"/>
Problem Area	<input checked="" type="checkbox"/>
<input checked="" 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 <input type="checkbox"/> Brush/logs in wetlands	
Non-Compliance	<input type="checkbox"/>
<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 ("CA")	Corrective Action Implemented
Corrective Action #1 - Brush/logs in wetlands in southeast portion of property.	1/20/17
Corrective Action #2 – Eastern project limits of installed silt fence had 4 breaches (small holes) identified and flagged with orange tape.	2/14/17
Corrective Action #3 – Southern portion of silt fence needs 3 CA; one breach (small hole), one 10-foot section needs to be trenched in and corner near construction road needs repair – 10' section collapsed.	2/14/17
Corrective Action #4 – numerous areas of silt fence have separated from staking or ripped resulting in sagging and disconnected silt fencing needing repair. These tears in the silt fence have also resulting in two gaps/holes (3/7/17 additional areas were identified and repairs were started during the inspection).	
Corrective Action #5 – Several areas where wood chip backing to silt fence is pushed up to the top of the silt fence. Wood chips need to be pushed away from silt fence to not allow herpetofauna migration into work zone.	3/7/17
Corrective Action #6 – one area of insufficient silt fence height due to sagging.	3/7/17
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:	

Notes:

1/17/17 – construction entrance road with anti-tracking pad installed; land clearing activities 50-60% complete; initial grubbing started in southeast end of project in preparation of silt fence installation (to begin 1/18/17); minor brush pile with logs placed in wetlands in southeast portion of property by property owner - materials properly removed by DEPCOM Power on 1/20/17.

2/3/2017 - A majority of the project area has been cleared. A small patch in the northern end of the project remains to be cleared. Silt fence has been installed in most of the project limits minus the northern limits of the project.

2/14/17 – Received notification from Victor Menor, DEPCOM, that corrective actions #2 and #3 were made prior to heavy snow storm on February 9, 2017; APT will verify areas during next inspection.

3/3/17 – APT discussed CA #4, 5 & 6 with Chance Combs, DEPCOM. Mr. Combs indicated to APT that corrective actions were already scheduled for the western side of the project on Friday (3/3) afternoon and all corrective actions would be completed on Monday (3/6). Tree clearing activities have been completed for the entire project. Temporary sediment traps are currently under construction.

3/7/17 – Grubbing on the project is ongoing. Temporary sediment traps and drainage swales are currently under construction. Silt fence deficiencies are currently under repair (CA#4). An on-site meeting between the Connecticut Siting Council, DEPCOM, and neighbors to the project was held to address concerns regarding the project construction. All environmental awareness posters are still intact.

Enclosures: Photo Documentation
Sketch Map



Photo 1: View of southern project limits looking west.



Photo 2: View of central project area looking west.



Photo 3: View of western silt fence line looking north.

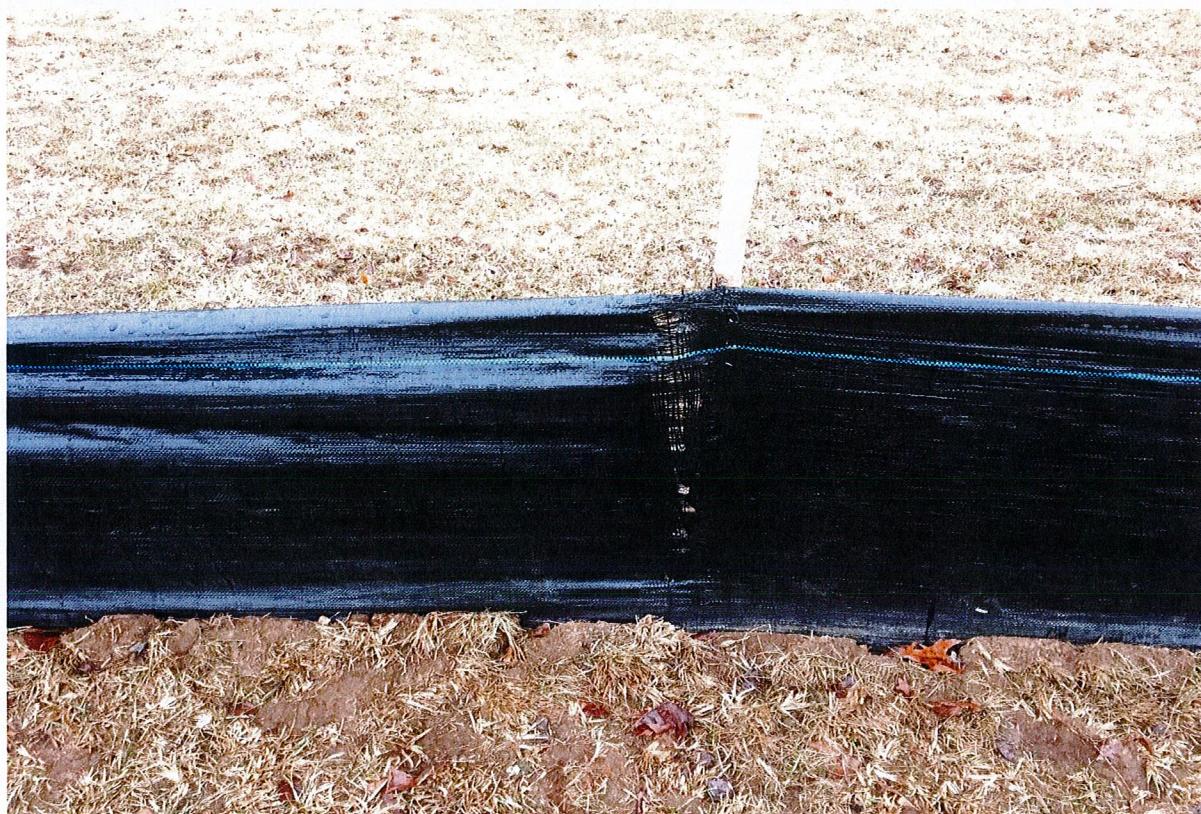


Photo 4: View of evidence of silt fencing tearing off staking (CA#4).

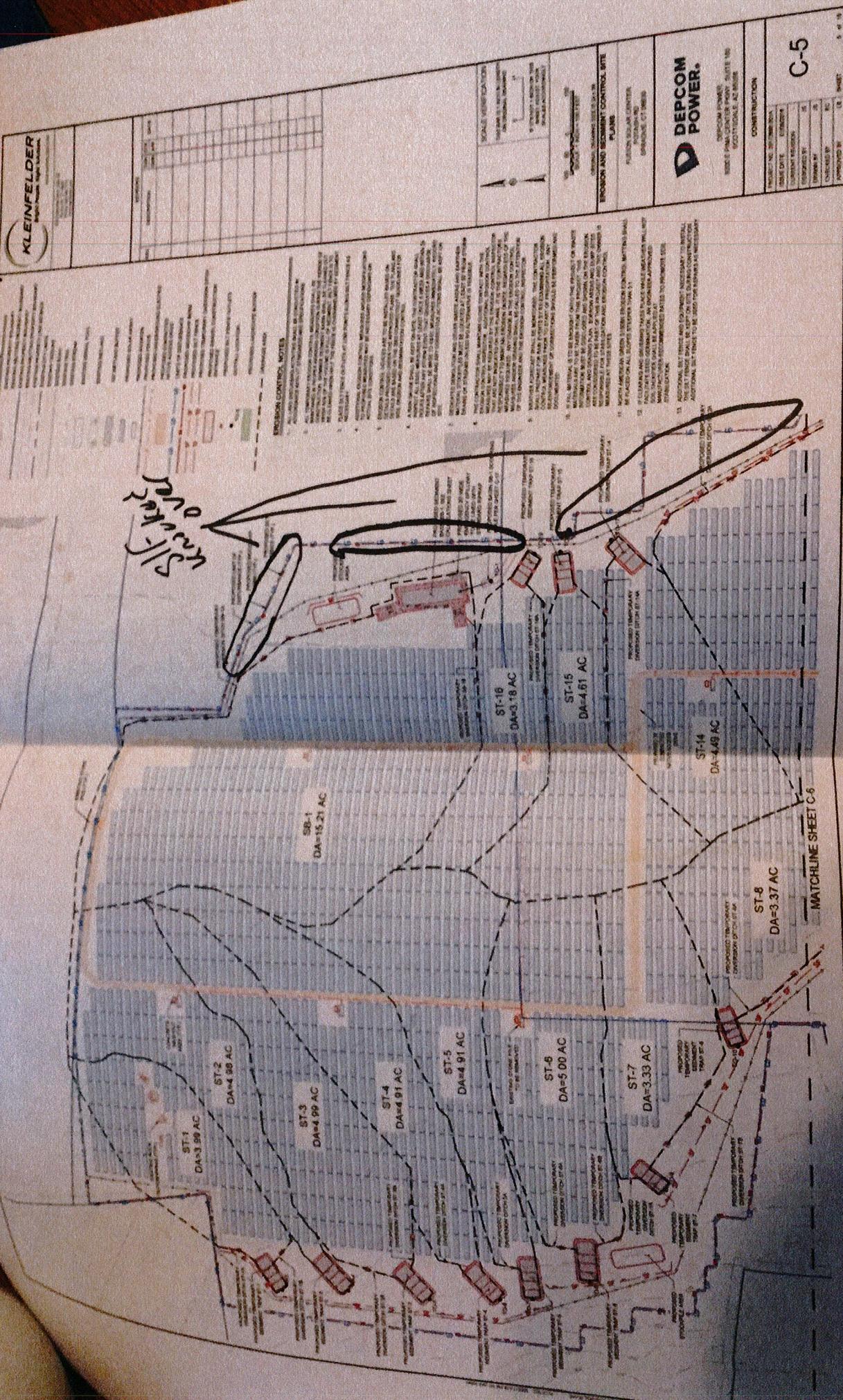


Photo 5: View of CA#4, gap in silt fencing.



Photo 6: View of previously identified silt fence repair (CA#4) in northeast corner of project.

Sketch Map - 37/17



Note: See following LOD



**ALL-POINTS
TECHNOLOGY CORPORATION**

ENVIRONMENTAL MONITORING
DAILY SITE OBSERVATION FORM

Report No. 5

Project: DEPCOM Power, Fusion Solar Center
Address: Potash Hill Road, Sprague, Connecticut

APT Project #: CT511100

Date of Inspection: 4/3/2017	Weather: sunny, high, 50's
Time of Inspection: 12:00 AM	Latest Precipitation Event > 1/4" (NOAA): 1.24" on 4/1/2017
Compliance Monitor:	Matthew Gustafson, Wetland Scientist

Regulatory Compliance Permitting Agency & Permit ID:	
CT Siting Council <input checked="" type="checkbox"/> Petition No. 1178, dated September 22, 2015	
CTDEEP NDDB <input checked="" type="checkbox"/> 201504279, dated January 28, 2016	
Resource Protection Program:	
Rare Species	<input checked="" type="checkbox"/> Species Name: wood turtle, bobolink, breeding birds & Wildlife Enhancement
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: 2/15/17	
Signage Installed Date: 2/3/2017	
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 checked="" type="checkbox"/>
Final Inspection	<input type="checkbox"/>

DESCRIPTION OF OBSERVED ACTIVITY	
Compliance Level:	
Communication	<input checked="" type="checkbox"/>
Acceptable	<input type="checkbox"/>
Problem Area	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/> Minor exclusion fencing repair required <input type="checkbox"/> Additional exclusion fencing required <input type="checkbox"/> Additional sedimentation & erosion control measure required <input checked="" type="checkbox"/> Sediment release into upland habitat without risk of resource impact <input type="checkbox"/> Soil stabilization required <input type="checkbox"/> Brush/logs in wetlands
Non-Compliance	<input type="checkbox"/>
	<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 ("CA")	Corrective Action Implemented
Corrective Action #1 - Brush/logs in wetlands in southeast portion of property.	1/20/17
Corrective Action #2 – Eastern project limits of installed silt fence had 4 breaches (small holes) identified and flagged with orange tape.	2/14/17
Corrective Action #3 – Southern portion of silt fence needs 3 CA; one breach (small hole), one 10-foot section needs to be trenched in and corner near construction road needs repair – 10' section collapsed.	2/14/17
Corrective Action #4 – numerous areas of silt fence have separated from staking or ripped resulting in sagging and disconnected silt fencing needing repair. These tears in the silt fence have also resulting in two gaps/holes (3/7/17 additional areas were identified and repairs were started during the inspection).	4/3/17
Corrective Action #5 – Several areas where wood chip backing to silt fence is pushed up to the top of the silt fence. Wood chips need to be pushed away from silt fence to not allow herpetofauna migration into work zone.	3/7/17
Corrective Action #6 – one area of insufficient silt fence height due to sagging.	3/7/17
Corrective Action #7 – numerous areas of silt fence have separated from staking or ripped resulting in sagging and disconnected silt fencing needing repair. (4/3 previous areas fixed CA #4 – new areas have been identified as of this inspection date).	
Corrective Action #8 – Two areas identified where gaps in silt fence formed underneath due to focused erosion from stormwater flows.	

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:

1/17/17 – construction entrance road with anti-tracking pad installed; land clearing activities 50-60% complete; initial grubbing started in southeast end of project in preparation of silt fence installation (to begin 1/18/17); minor brush pile with logs placed in wetlands in southeast portion of property by property owner - materials properly removed by DEPCOM Power on 1/20/17.

2/3/2017 - A majority of the project area has been cleared. A small patch in the northern end of the project remains to be cleared. Silt fence has been installed in most of the project limits minus the northern limits of the project.

2/14/17 – Received notification from Victor Menor, DEPCOM, that corrective actions #2 and #3 were made prior to heavy snow storm on February 9, 2017; APT will verify areas during next inspection.

3/3/17 – APT discussed CA #4, 5 & 6 with Chance Combs, DEPCOM. Mr. Combs indicated to APT that corrective actions were already scheduled for the western side of the project on Friday (3/3) afternoon and all corrective actions would be completed on Monday (3/6). Tree clearing activities have been completed for the entire project. Temporary sediment traps are currently under construction.

3/7/17 – Grubbing on the project is ongoing. Temporary sediment traps and drainage swales are currently under construction. Silt fence deficiencies are currently under repair (CA#4). An on-site meeting between the Connecticut Siting Council, DEPCOM, and neighbors to the project was held to address concerns regarding the project construction. All environmental awareness posters are still intact.

4/3/17 – Neighbor (to the south) observed and reported silt laden stormwater leaving site and flowing through their property. No clear cause identified onsite during inspection due to dry site conditions. Two possible locations identified where sediment accumulation has occurred in front of perimeter controls and reviewed with DEPCOM. With the rain forecasted 4/4/17, the site will be reviewed and additional control installation will be evaluated and implemented, as necessary.

Enclosures: Photo Documentation
Sketch Map



Photo 1: View of west central portion of project looking north.



Photo 2: View of east central portion of project south.



Photo 3: View of CA #7 gap in silt fence requiring repair.



Photo 4: View of perimeter controls looking west.

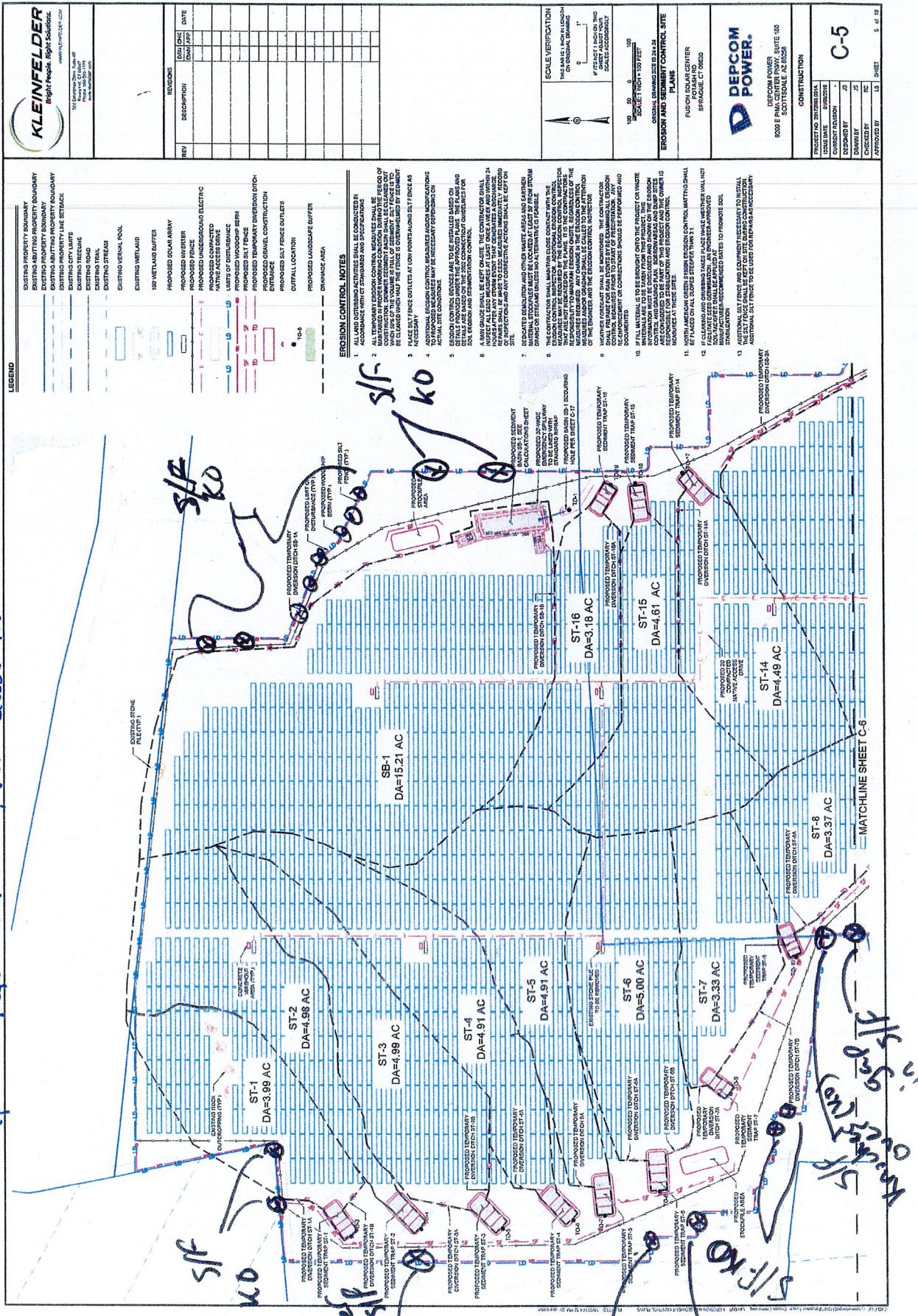


Photo 5: View of CA #8 sediment release within uplands on site.



Photo 6: View of CA #7, silt fenced knocked over.

Sketch May - 4/9/17 Metal Casting





ENVIRONMENTAL MONITORING
DAILY SITE OBSERVATION FORM

Report No. 6

Project: DEPCOM Power, Fusion Solar Center
Address: Potash Hill Road, Sprague, Connecticut

APT Project #: CT511100

Date of Inspection: 4/4/2017	Weather: moderate rain, mid, 40's
Time of Inspection: 9:00 AM	Latest Precipitation Event > 1/4" (NOAA): 0.98" on 4/4/2017
Compliance Monitor:	Matthew Gustafson, Wetland Scientist

Regulatory Compliance Permitting Agency & Permit ID:

CT Siting Council Petition No. 1178, dated September 22, 2015
CTDEEP NDDB 201504279, dated January 28, 2016

Resource Protection Program:

Rare Species Species Name: wood turtle, bobolink, breeding birds & Wildlife Enhancement
Wetland
Vernal Pool

Workers Environmental Awareness Program Training Completed: Yes No

Date of Training: 2/15/17
Signage Installed Date: 2/3/2017

Compliance Species Observed During Inspection: Yes No

Species Name: N/A
Species: N/A

Progress of Construction:

Pre-Construction
Initial Exclusion Fencing Inspection
Clearing & Grubbing
Intermediate
Final Inspection

DESCRIPTION OF OBSERVED ACTIVITY	
Compliance Level:	
Communication	<input checked="" type="checkbox"/>
Acceptable	<input type="checkbox"/>
Problem Area	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/> Minor exclusion fencing repair required <input type="checkbox"/> Additional exclusion fencing required <input type="checkbox"/> Additional sedimentation & erosion control measure required <input checked="" type="checkbox"/> Silt laden water release into wetland habitat without risk of resource impact <input checked="" type="checkbox"/> Soil stabilization required <input type="checkbox"/> Brush/logs in wetlands
Non-Compliance	<input type="checkbox"/>
	<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 ("CA")	
Corrective Action Implemented	
Corrective Action #1 - Brush/logs in wetlands in southeast portion of property.	1/20/17
Corrective Action #2 – Eastern project limits of installed silt fence had 4 breaches (small holes) identified and flagged with orange tape.	2/14/17
Corrective Action #3 – Southern portion of silt fence needs 3 CA; one breach (small hole), one 10-foot section needs to be trenched in and corner near construction road needs repair – 10' section collapsed.	2/14/17
Corrective Action #4 – numerous areas of silt fence have separated from staking or ripped resulting in sagging and disconnected silt fencing needing repair. These tears in the silt fence have also resulting in two gaps/holes (3/7/17 additional areas were identified and repairs were started during the inspection).	4/3/17
Corrective Action #5 – Several areas where wood chip backing to silt fence is pushed up to the top of the silt fence. Wood chips need to be pushed away from silt fence to not allow herpetofauna migration into work zone.	3/7/17
Corrective Action #6 – one area of insufficient silt fence height due to sagging.	3/7/17
Corrective Action #7 – numerous areas of silt fence have separated from staking or ripped resulting in sagging and disconnected silt fencing needing repair. (4/3 previous areas fixed CA #4 – new areas have been identified as of this inspection date).	4/5/17*
Corrective Action #8 – Two areas identified where gaps in silt fence formed underneath due to focused erosion from stormwater flows.	4/5/17*
Corrective Action #9 – SB 2 and 3 not retaining volume due to low flow outlet pipe not closing, blocked entry to temporarily allow for basin to fill up and outlet via armored outlet or skimmer outfall.	4/5/17*
Corrective Action #10 – add new armored swale in southwest project corner to protect outlet flows from SB-3, add check dams to all problem drainage/diversion channels (maintain after each rain storm).	4/5/17*

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:	
1/17/17 – construction entrance road with anti-tracking pad installed; land clearing activities 50-60% complete; initial grubbing started in southeast end of project in preparation of silt fence installation (to begin 1/18/17); minor brush pile with logs placed in wetlands in southeast portion of property by property owner - materials properly removed by DEPCOM Power on 1/20/17.	
2/3/2017 - A majority of the project area has been cleared. A small patch in the northern end of the project remains to be cleared. Silt fence has been installed in most of the project limits minus the northern limits of the project.	
2/14/17 – Received notification from Victor Menor, DEPCOM, that corrective actions #2 and #3 were made prior to heavy snow storm on February 9, 2017; APT will verify areas during next inspection.	
3/3/17 – APT discussed CA #4, 5 & 6 with Chance Combs, DEPCOM. Mr. Combs indicated to APT that corrective actions were already scheduled for the western side of the project on Friday (3/3) afternoon and all corrective actions would be completed on Monday (3/6). Tree clearing activities have been completed for the entire project. Temporary sediment traps are currently under construction.	
3/7/17 – Grubbing on the project is ongoing. Temporary sediment traps and drainage swales are currently under construction. Silt fence deficiencies are currently under repair (CA#4). An on-site meeting between the Connecticut Siting Council ("CSC") staff, DEPCOM, and neighbors to the project was held to address concerns regarding the project construction. All environmental awareness posters are still intact.	
4/3/17 – Neighbor (to the south) observed and reported silt laden stormwater leaving site and flowing through their property. No clear cause identified onsite during inspection due to dry site conditions. Two possible locations identified where sediment accumulation has occurred in front of perimeter controls and reviewed with DEPCOM. With the rain forecasted 4/4/17, the site will be reviewed and additional control installation will be evaluated and implemented, as necessary.	
4/4/17 – breach in diversion swale repaired, silt fence knocked over by overflow in south end of project repaired and stormwater released during 3/31 to 4/1 rain storm and again on 4/4 resulted in silt laden water released off site at two locations (one of which is a wetland/IWC and other is a southern neighbor's property). No significant release of sediment occurred in either location. Corrective actions were immediately taken on 4/3 and 4/4 to reinforce perimeter controls, drainage patterns, and basins to remedy situation. Additional temporary stormwater controls will be installed on 4/5 as identified on attached sketch map. All basins should be reevaluated to ensure they are functioning as designed, proper drainage is being received, and if they are sufficient to handle the stormwater being received. Meeting with CSC staff occurred on 4/4/17 to review recent stormwater release and remedial actions taken and to be taken by DEPCOM; Town Wetlands Agent also present at meeting.	

4/10 – (info provided by DEPCOM via phone conversation) low flow outlets on the two basins were plugged on 4/6-4/7 (precipitation event) to improve sediment removal capabilities of the basins.

* - Corrective Actions #7-10 will be verified during APT's next inspection.

Enclosures: Photo Documentation
Sketch Map



Photo 1: View of perimeter controls south of laydown yard looking west.



Photo 2: View of inlet to sediment trap ST-12 looking east.



Photo 3: View of breach in diversion channel to sediment basin SB-3 looking north.



Photo 4: View of drainage patterns along main access road adjacent to sediment trap ST-11 looking south.



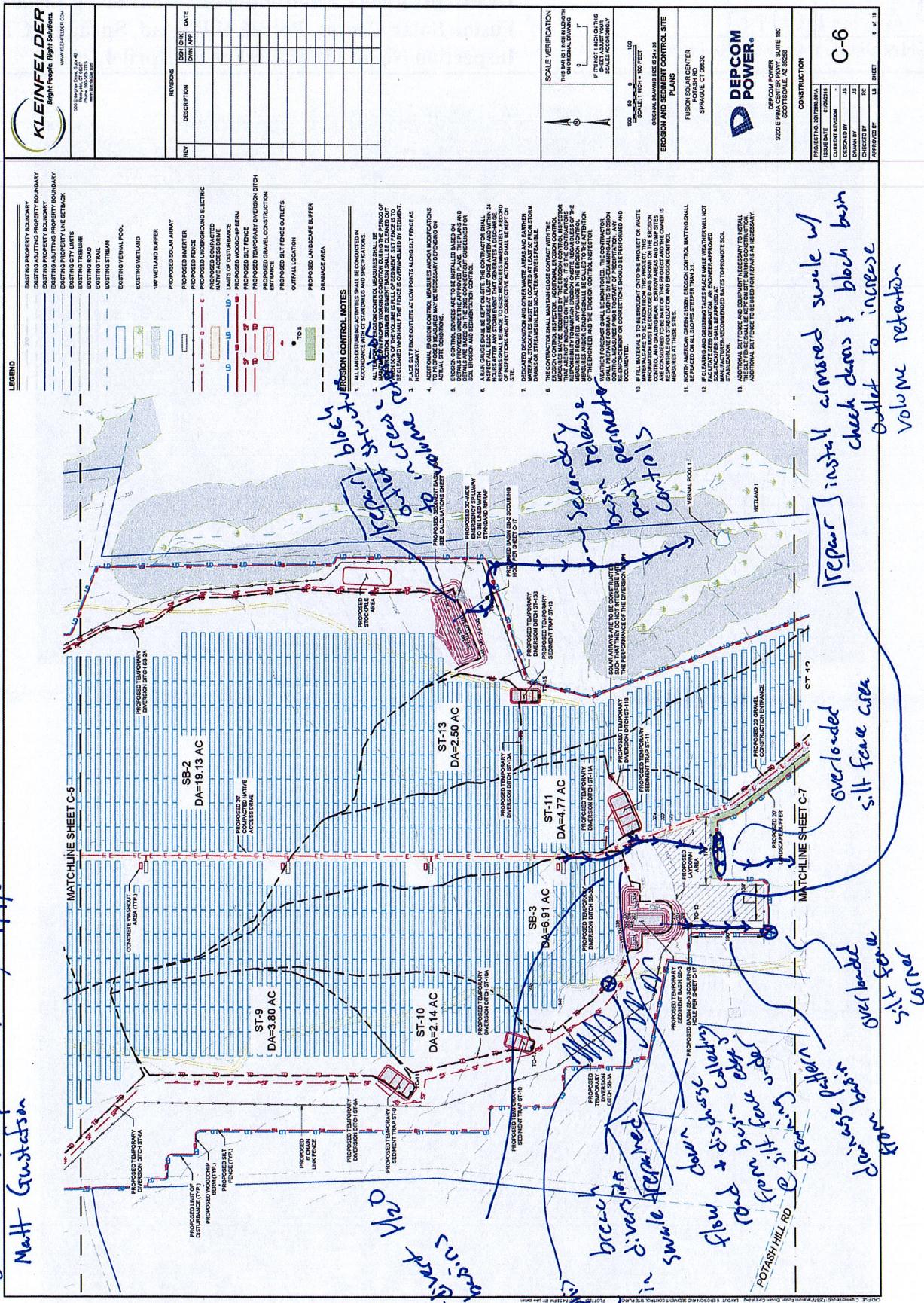
Photo 5: View of temporary sediment basin SB-3.



Photo 6: View of perimeter controls and primary flow path out-letting from temporary sediment basin SB-3 looking north.

Sketch Map 1 of 2, 4/4/07
Matt Grunertson

Math Gustafson



DEP GL Adjustment/Correction Request Form

SOURCE: AP/P-Card Payroll/AP/AR/GI/P-Card
Document ID: Voucher # 189094
(Voucher/Deposit/Current ID)

Correction ID:

If Payroll, period covered
Justification / description of adjustment:

Document ID: **Voucher #189094** Orig. Acctg. Date: **(Voucher/Deposit/Journal)ID**

Correction ID: Corr. Acctg. Date:

If Payroll, period covered _____
Justification / description of adjustment: _____

05/10/17

100

If Payroll, period covered _____
Justification / description of adjustment: _____

JPMorgan Vendor (59169) (PO# 51045 Voucher# 189094) for Lisa Mathew's pcard purchase. The purchase was for publication of a hearing notice for Docket No. 472 in the CT Post. I would like the charges to reflect the correct accounting codes.

Fred charged hours to an incorrect project

DEBITS (Correct Expense or Original Revenue Coding)

Total debits:

CREDITS (Original Expense or Correct Revenue Coding)

Total credits:

Signature: *Lisa Fontaine* Date: 05/25/17

Approved by: Melanie Brubaker Date: 06/05/10

Appl

PLEASE INFORM PROPER REPORTING STAFF THAT ADJUSTMENT HAS BEEN MADE