



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

May 26, 2017

Kenneth C. Baldwin, Esq.  
Robinson & Cole LLP  
280 Trumbull Street  
Hartford, CT 06103-3597

RE: **PETITION NO. 1178** – DESRI CT Fusion Acquisition, LLC declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, operation and maintenance of a ground-mounted 20 megawatt solar photovoltaic electric generating facility located on Potash Hill Road, Sprague, Connecticut.

Dear Attorney Baldwin:

At a public meeting of the Connecticut Siting Council (Council) held on May 25, 2017, the Council considered and voted to attach the following additional conditions to the Development and Management Plan (D&M Plan) that was originally approved on September 1, 2016 (and D&M Plan modification approvals on December 9, 2016 and March 16, 2017):

1. Submission to the Council the resume of the third party engineer conducting the independent assessment of the stormwater pollution control plan (SWPCP) design;
2. Submission to the Council the results of the new topographical survey;
3. Submission of any reports authored by the third party engineer regarding the assessment of the current SWPCP design;
4. Submission of any reports authored by the third party engineer regarding recommended modifications to the current SWPCP design; and
5. Submission of the response to the Department of Energy and Environmental Protection's Notice of Violation dated April 25, 2017.

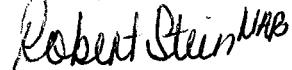
Approval of these D&M Plan changes, in accordance with Regulations of Connecticut State Agencies §16-50j-61(e), applies only to the D&M Plan originally approved on September 1, 2016 and later modified on December 9, 2016 and March 16, 2017. Requests for any changes to the D&M Plan shall be approved by Council staff in accordance with RCSA §16-50j-62(b). Furthermore, the project developer is responsible for reporting requirements pursuant to RCSA §16-50j-62.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the Council's decision on the petition dated September 22, 2015 and in the D&M Plan updated as of March 16, 2017.

Enclosed is a copy of the staff report, dated May 25, 2017.

Thank you for your attention and cooperation.

Sincerely,



Robert Stein  
Chairman

RS/MP/lm

Enclosure: Staff Report dated May 25, 2017

c: The Honorable Catherine A. Osten, First Selectman, Town of Sprague  
Joseph Smith, Zoning Enforcement Officer, Town of Sprague  
Honorable Roy Piper, First Selectman, Town of Canterbury  
Melissa Gil, Land Use Director, Town of Canterbury  
Honorable Thomas W. Sparkman, First Selectman, Town of Lisbon  
Robert D. Adams, Chairman, Planning and Zoning Commission, Town of Lisbon  
Nelson Teague, Fusion Solar Center, LLC, c/o Coronal Development Services, LLC

**Petition 1178 – Fusion Solar Center  
Construction Inspections Staff Report  
May 25, 2017**

**Project Background**

On September 25, 2015, the Connecticut Siting Council (Council) approved a petition for a declaratory ruling submitted by Fusion Solar Center, LLC (Fusion) for a 20 MW solar photovoltaic electric generating facility located on Potash Hill Road in Sprague, Connecticut with the condition that a Development and Management Plan (D&M Plan) be submitted for Council review and approval prior to commencement of construction that includes a final site plan, a wood turtle protection plan, a plan to mitigate impacts to the northern long-eared bat, an Erosion and Sedimentation Control plan consistent with the *2002 Connecticut Guidelines for Erosion and Sedimentation Control*, a Stormwater Management Plan and a landscaping plan.

On July 1, 2016, Fusion submitted the D&M Plan for the project and on September 1, 2016, the Council approved the D&M Plan with a condition that a copy of the final Stormwater Pollution Control Plan (SWPCP) stamped by a Professional Engineer duly licensed in the State of Connecticut be provided to the Council. On September 9, 2016, Fusion submitted a final copy of the SWPCP stamped by a Professional Engineer to the Council.

On December 6, 2016, Fusion submitted a request to modify the final SWPCP to incorporate revisions to the plan required by the Connecticut Department of Energy and Environmental Protection (DEEP) during its review of the SWPCP as part of Fusion's request for authorization under a General Permit for Stormwater and Dewatering Wastewaters associated with Construction Activity (General Permit). Additionally, Fusion requested approval of relocation of the sediment control fencing and mulch berms due to a change in the property boundary line in the southwestern corner of the proposed solar site. This property boundary change was affected by a parcel conveyance to Mr. Timothy Bates for which the deed was not initially recorded on the Town of Sprague Land Records when the project was being designed. As a result, a portion of the project was planned to be constructed on the parcel that was previously conveyed to Mr. Bates. See attached map entitled, "Permanent Stormwater Measures, Property Boundary Exhibit, A-1."

The request for modifications to the SWPCP and sediment control fencing was accompanied by this map and a letter from Kleinfelder, the project engineer of record, dated December 2, 2016 indicating, "Based on our review of this map and the Stormwater Pollution Control Plan, dated July 1, 2016, that we prepared for the project, it is our opinion that the property boundary change does not affect the stormwater design calculations and conclusions in the D&M Plan submitted to the Siting Council and the Construction General Permit submitted to DEEP." On December 9, 2016, the Council approved the revised SWPCP, including the revisions required by DEEP, and approved the request to modify the location of sediment control fencing to allow all project work to remain within the host property boundaries.

On January 9, 2017, in compliance with Condition No. 5 of the Council's September 25, 2015 declaratory ruling, Fusion submitted correspondence to the Council indicating Fusion had transferred all of the outstanding membership interests of Fusion to DESRI CT Fusion Acquisition, LLC (DESRI). The Council acknowledged this transfer of ownership interests from Fusion to DESRI on January 12, 2017 with the condition that DESRI comply with all the terms, limitations and conditions in the decision letter issued for this project on September 22, 2015, the D&M Plan decision letter dated September 1, 2016 and on the timely payment of assessment charges for the facility under Connecticut General Statutes §16-50v.

In response to concerns expressed over the course of a few months by abutting property owner, Timothy Bates, the Council submitted correspondence to DESRI on January 25, 2017. This correspondence detailed the concerns of Mr. Bates over the cutting of trees on his property and the potential for flooding in his basement, as well as requested a written response on or before February 3, 2017 detailing how Mr. Bates' concerns will be addressed and demonstrating project construction is indeed compliant with the Council's declaratory ruling and D&M Plan approvals.

On February 2, 2017, the Council received via e-mail an unsigned letter from DESRI representatives confirming that all clearing and construction performed to date has been within the limits of disturbance shown in the D&M Plan approved by the Council on July 1, 2016, which was prior to the request to revise the SWPCP due to the property boundary change that was submitted on December 9, 2016 by DESRI's predecessor in interest, Fusion. The correspondence further indicated that the SWPCP was revised to remove the dry swale outlets that were north of Mr. Bates' property to ensure that stormwater would not be released on Mr. Bates' property. Finally, DESRI indicated that further modifications to the D&M Plan "are in review by the applicable Authorities Having Jurisdiction."

On February 8, 2017, the Council sent further written correspondence to DESRI clearly identifying the Council as having exclusive jurisdiction over the project pursuant to Connecticut General Statutes §16-50x and detailing further concerns expressed by Mr. Bates in the interim regarding tree clearing, stump removal, stormwater control and silt fence installation. In that correspondence, it was made clear that Council staff would conduct a necessary construction inspection of the site. On February 16, 2017, correspondence was received from Attorney Kenneth Baldwin, who was recently retained to represent DESRI, that included a detailed construction action plan. Arrangements were made with Attorney Baldwin to schedule a construction inspection on March 7, 2017.

### **March 7, 2017 Construction Inspection**

Executive Director Melanie Bachman and Siting Analyst Michael Perrone visited the Sprague solar project site for a construction inspection at 1 PM on March 7, 2017. Invitations to attend the site inspection were extended to Mr. Bates and other neighbors to the site. The following persons also attended the site inspection:

- 1. On behalf of DESRI/DEPCOM:**
  - a. Lance Weinkamer, project manager;
  - b. Justin Peterson, civil engineer;
  - c. Nicholas Detelich, project manager;
  - d. Chance Combs, construction manager;
  - e. Ben Combs;
  - f. Ken Baldwin, Esq., Robinson + Cole;
  - g. Dean Gustafson, Professional Soil Scientist and Senior Wetland Scientist, All Points Technology Corporation (APT); and
  - h. Matthew Gustafson, Wetland Scientist, APT.
- 2. On behalf of DEEP:**
  - a. Neal Williams, Esq., Environmental Analyst, Water Permitting and Enforcement Division; and
  - b. Sharon Yurasevecz, P.E., Civil Engineer, Water Permitting and Enforcement Division
- 3. On behalf of the Town of Sprague:** Denise Dembinski, Board of Selectmen member
- 4. Neighbors to the site:**
  - a. Timothy Bates, 97 Potash Hill Road;
  - b. Scott Drowne, 85 Potash Hill Road;
  - c. Joseph Rainville, 104 Potash Hill Road;

- d. William Blanchard, 93 Potash Hill Road;
- e. Cheryl Blanchard, 93 Potash Hill Road;
- f. David Held, 15 Woodward Lane; and
- g. Nancy Bauer, 110 Potash Hill Road.

Attorney Baldwin created an e-mail list of all attendees to use for future notice about project development. Although Mr. Bates did not provide an e-mail address, an arrangement was made for Council Executive Director Melanie Bachman to forward any e-mail correspondence received from Attorney Baldwin about the project to Mr. Bates and for hard copies of any e-mail correspondence to be placed in Mr. Bates' mailbox. Other neighbors that attended the construction inspection who did not provide e-mail addresses also receive hard copies of any correspondence in the mail.

Justin Peterson gave a presentation to all attendees in the construction trailer about stormwater design and the specific stormwater design features for the project. An extensive safety briefing was held, and all attendees were equipped with hard hats, safety goggles and vests. Then, a site walk, particularly targeted in the vicinity of Mr. Bates' property, was conducted. However, DEEP representatives, Attorney Williams and Ms. Yurasevecz, conducted a full site inspection that targeted all of the stormwater controls.

An orange cone was utilized to depict the far northeastern corner of the Bates' property. At the construction inspection, Council staff did not observe any existing tree clearing from the project or trees marked for clearing for the project on the Bates' property. Notwithstanding, after discussions with Council staff, as an added visual buffer, DESRI is amenable to installing supplemental landscape plantings in the vicinity of the (corrected) Bates' Property line adjacent to the project.

Grubbing and grading were being performed at the site. Specifically, the grading occurred prior to the installation of temporary sediment traps and basins.

Photos taken during the March 7, 2017 construction inspection are shown below:



**View of Silt Fence (on subject property) and Cone Depicting Mr. Bates' Property – View facing south**



**View of Silt Fence (on subject property) and Cone Depicting Mr. Bates' Property – View facing west**

#### **April 4, 2017 Construction Inspection**

On April 1, 2017, Mr. Bates submitted the below photographs of water flowing from the site during a rain event that occurred that day. Some photos show ponding of water along the project limits but not direct, high velocity flows through the property. Other photos show a large amount of water being discharged from a ditch/culvert system under Potash Hill Road onto a field owned by Mr. Rainville. Two photos show high velocity, channelized flow from an unknown location (possibly on Mr. Rainville's property below the field).

On April 1, 2017, Council staff conducted outreach to Attorney Baldwin regarding the reported stormwater discharge onto Mr. Rainville's property. Attorney Baldwin relayed the information to Justin Peterson who stated he visited the site to observe conditions.

On Monday, April 3, 2017, DEPCOM reviewed all erosion and sedimentation (E&S) controls to identify and remediate potential problem areas, consistent with D&M Site Plan General Notes- Items 4, 8 & 9. A second large rain event occurred on Monday afternoon and through Tuesday, April 4, 2017 (1.9 inches reported in Norwich). DEPCOM again reviewed site E&S controls with representatives from Fitzgerald and Halliday Inc. (F&H), a DEEP required a third party stormwater inspector. Further adjustments were made to E&S controls based on runoff characteristics observed during the ongoing rain event.

On April 4, 2017, Melanie Bachman, Michael Perrone, and Council Siting Analyst Robert Mercier, who was the assigned analyst to the East Lyme solar project that exhibited similar stormwater issues in 2014, conducted an on-site inspection beginning at 1:30 p.m. after heavy precipitation earlier in the day. The following persons also attended the site inspection:

- a. Nicholas Detelich, DEPCOM project manager;
- b. Chance Combs, DEPCOM;
- c. Matthew Gustafson, All Points Technology;
- d. Joseph Theroux / Town of Sprague Wetland Enforcement Officer;

- e. Shawn Callaghan, Project Manager/Associate and Professional Soil Scientist, F&H; and
- f. David Laiuppa, Soil Scientist and Certified Erosion, Sediment and Stormwater Inspector Associate, F&H.

The site inspection focused on the E&S controls at the southwest corner of the site given the sloping terrain that would direct water towards Mr. Bates' property. This corner of the site consists of a relatively narrow, cleared area along the Bates property line, enclosed by a silt fence and an approximate 3-foot high wood chip berm. A gravel project staging area is located east of the cleared area. Construction design details indicate most of the water flowing south from the site, downhill towards the Bates property line, would be intercepted by a temporary drainage ditch that would direct flows to a large sedimentation basin (SB-3). The outfall of the basin is directed towards the narrow cleared area along the Bates property line.

During the site visit to this area, some ponded water was retained behind the silt fence and within the project site. No water flow at velocity was observed. No scouring beyond the erosion control fence/woodchip berm was observed indicating the E&S controls were relatively intact in this area. Earlier examinations by site personnel indicated runoff was traveling under the fencing in certain locations leading to a general sheet flow across a portion of Bates' property to a ditch and culvert on the north side of Potash Hill Road. The culvert discharged on the south side of the road, directly onto Mr. Rainville's property.

Earlier inspections by DEPCOM personnel revealed a large amount of water flow to the southwest corner of the project site, causing significant ponding behind the silt fence. The water was primarily from the SB-3 outfall pipe as well as from adjacent, disturbed areas. Subsequent remediation efforts included the addition of gravel check dams, and hay bale barriers to slow water flow, several excavations to hold water, and the realignment of a drainage ditch to intercept more water running off the hillside, directing overland flows to SB-3, rather than into the southwest corner area. Additionally, an inspection of the concrete SB-3 outflow structure indicated the outflow valve was stuck in the open position, allowing water to drain out of the basin at a high rate into the southwest corner area. The valve hole was subsequently plugged to retain water in the basin to allow for a low velocity discharge. DEPCOM indicated that during construction of SB-3, the basin could not be excavated to the specified depth due to shallow bedrock. The size and alignment of the basin will be re-examined by F&H to ensure proper construction stormwater detention.

During the site inspection, SB-3 was gradually filling with water, with minimal outflow. The west side of the project area viewed from SB-3 was cleared but not entirely grubbed and the specified perimeter silt fence/wood chip berm was in place. Once grubbing is completed, a second silt fence will be installed to further control stormwater flows. An area between the perimeter project limit barrier and an inner silt fence did not appear to have any drainage ditches or basin to hold water. This area gradually slopes to the southwest corner, possibly conveying additional stormwater flows. This area will be re-examined to determine if some type of stormwater interception is required.

Mr. Theroux expressed concern regarding sufficient E&S controls in the eastern portion of the property, an area that contains another detention basin, SB-2. Mr. Gustafson indicated that an outfall issue occurred at basin SB-2, allowing water to drain out of the basin and possibly getting under some of the silt fence in this area. The outfall area was plugged and additional hay bales installed to prevent outflow beyond the project area.

Council staff also inspected Temporary Sediment Trap ST-12, adjacent to the project office. The trap was designed with three chambers separated by baffles to cause sediment drop before water discharge. The outflow area was reinforced with haybales in front of the perimeter silt fence and a small wood chip berm about one-foot in height. Water from the outflow from another trap (ST-11) is being directed into a drainage ditch that leads to ST-12, following a course along the edge of main solar field construction access road.

F&H representatives noted their intent to submit a report with recommendations to improve stormwater retention upon conclusion of their inspection. DEPCOM would continue to monitor E&S controls in advance of and during rain events and take corrective actions, if necessary, in accordance with the procedures

outlined on the site plans. DEPCOM also provided direct contact information to area abutters so that any concerns that may arise can be immediately addressed.

**Photographs submitted by Mr. Bates taken April 1.**



Southwest corner of project area, ponding evident but no high velocity flows.



Pooled water adjacent to, and along, Potash Hill Road, exact locations unknown.



Culvert discharge onto Mr. Rainville's property.

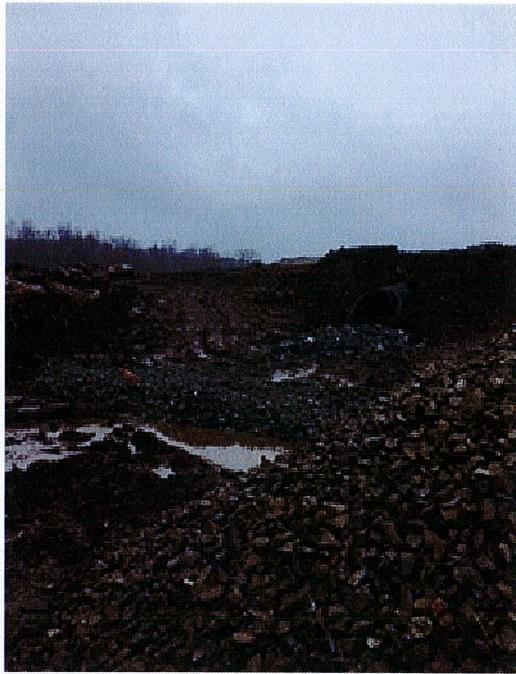


High velocity flow in existing channel, Rainville property.

**Photographs taken by Council staff from April 4 Site Visit.**



Sediment Basin SB-3



SB-3 outfall pipe with gravel check dams



Excavated water detention "pit" below check dam



Ponded water, southwest corner, below SB-3



Wet area beyond silt fence, no scouring evident.



Outfall side of ST-12

#### **DEEP Notice of Violation**

On April 25, 2017, DEEP issued a Notice of Violation (NOV) to DESRI based on its March 7, 2017 site visit and a lack of a response from DEPCOM. A copy of the NOV is attached. Specifically, DEEP notes that there was a failure to install and maintain structural practices (i.e. sediment traps and basins) in accordance with the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control* and Section 5(b)(2) of the General Permit. DEEP also notes that there was a failure to conduct and maintain records of a plan implementation inspection in accordance Section 5(b)(4) of the General Permit. DESRI was ordered to correct the violation(s), address such items and submit a Compliance Statement within 15 days of issuance of the NOV.

#### **Major Rain Event – May 5, 2017**

At approximately 3:00 PM on Friday, May 5, 2017, Mr. Bates submitted the below photographs with a message to Attorney Bachman indicating that water flowing from the site “is getting into the local waterways.” Attorney Bachman immediately contacted Mr. Detelich and inquired as to site conditions in the southwest corner near Mr. Bates’ property line. At approximately 11 PM, Mr. Detelich sent correspondence, a copy of which is attached, indicating the existing retention basin was overwhelmed and water overflowed across Potash Hill Road. Temporary measures were installed during the evening hours of May 5, 2017. Also on May 5, 2017, DEPCOM self-reported the site conditions to DEEP. On May 6, 2017, Mr. Detelich sent follow up correspondence, a copy of which is also attached, indicating that the capacity of the existing detention pond had been doubled and a series of retention ponds in a teardrop formation were installed for more storage capacity. Photographs of the measures implemented on May 6, 2017 are below.

As of May 8, 2017, DEPCOM is currently assembling a report that will include any corrective actions recommended by Kleinfelder, DEPCOM’s Engineer of Record (who was on-site on May 9, 2017) and to be implemented by DEPCOM. As soon as this report becomes available, it will be distributed to the project service list of neighbors and interested persons, as well as to the Council. Furthermore, DEPCOM’s senior

management was informed of the stormwater issues on and off site and has committed to taking complete responsibility for any damage incurred on neighboring properties.

On May 11, 2017, DEPCOM sent correspondence to the project service list, a copy of which is attached, explaining the cause of the water discharge that occurred on May 5, 2017 (overwhelmed SB-3), the temporary measures employed on May 5 and May 6, the redesign of SB-3 by Kleinfelder, the implementation of additional monitoring protocols and the intention to repair any damage caused. Also on May 11, 2017, Joseph Theroux, Wetlands Agent for the Town of Sprague, submitted correspondence, a copy of which is attached, expressing the following concerns regarding the E&S controls and stormwater discharges from the site:

1. E&S and Stormwater controls need to be tightened up before any further land disturbing activity continues;
2. Recommendation for E&S inspections two to three times per week;
3. Concerns about the stormwater detention basin closest to Potash Hill Road;
4. An alleged oil sheen observed by neighbors in stormwater discharges;
5. Where equipment is being re-fueled and maintained;
6. Reconstruction and fortification of E&S measures and the detention basin should be allowed only until deemed more than adequate;
7. The U.S. Army Corps of Engineers should be involved;
8. The acreage of disturbed land is too large and the site should have been phased;
9. The plans should be checked with existing grades to ensure historic runoff patterns are duplicated;
10. Test pits or borings should have been done due to significant quantities of ledge and soils with poor infiltration and the engineers should consider these conditions;
11. Timing of the stage of the project is poor;
12. Damage to private driveways should be fixed by the contractor to the satisfaction of the Town and property owner;
13. Extent of clearing limits and whether they were violated;
14. Alleged deviations from the approved planting schedule (cedar substituted for other species);
15. Recommendations for better communication and interaction with adjacent landowners; and
16. Notification of further correspondence concerning the project.

Photographs submitted by DESRI on May 6, 2017





Re-work to SB-3 to double its current capacity.



Install 20-foot by 20-foot by 5-foot retention pond.



Additional remediation by DEPCOM

Photographs submitted by Mr. Bates taken on May 5.





All of the above depict runoff and sediment onto Potash Hill Road.

#### **F&H Inspection Report**

On May 8, 2017, the Council received F&H's Stormwater Construction Site Inspection Report for inspections that occurred on April 4<sup>th</sup> and April 12<sup>th</sup>, a copy of which is attached. F&H noted that the storm events on April 4<sup>th</sup> and April 6<sup>th</sup> resulted in approximately 1-inch and 1.25-inches of rain, respectively. F&H also noted a failure of the E&S controls occurred south of the SB-3, primarily due to a malfunctioning control valve in the basin as well as a breach in the wall of the ditch leading into the basin. The failure led to sediment laden waters leaving the project limits. DEPCOM, in an effort to prevent this from occurring again, installed a large sediment collection area between the sediment basin and the perimeter fence. F&H notes that, at the time of the inspection, the outlets of the sediment traps and basins did not have adequate controls in place that would prevent the transport of additional materials to the silt fence. F&H also notes that, during its inspection, due to active clearing, grubbing and grading, there were several critical controls not yet in place such as interior silt fences and diversion ditches. The lack of these controls puts an undue burden on the Best Management Practices (BMPs) that are in place. Some of the sediment traps and basins may not have been properly graded and large rocks, roots and woody debris were used in construction of the basins and traps that, although the functionality of the structures was not diminished by these elements, inclusion of these elements has the potential for wall failure if water begins to build up and follow the elements through the walls of the structures. As a result, some of the basins and traps are taking on more water than they are designed for while others are not taking on as much as they can handle. Drainage areas need to be surveyed and properly graded. Finally, F&H notes that, for sediment traps and basins to be effective, the outlet should be protected to the limits of disturbance from re-accumulating loose sediment from the site after treatment.

### May 18, 2017 Construction Meeting

On May 14, 2017, Mr. Bates submitted the below photographs to Attorney Bachman after a rain event the previous day. Attorney Bachman immediately contacted Mr. Detelich, who indicated he would go out to the site that morning. On May 16, 2017, Scott Williams of DESRI contacted Attorney Bachman about DESRI's engagement of a third party engineering firm, Terracon, to conduct an independent assessment of the SWPCP design and execution. Mr. Williams indicated a meeting was being held on the site on May 18, 2017 and invited Council staff to attend the meeting. Siting Analyst Michael Perrone and Attorney Bachman visited the project site on May 18, 2017. Mr. Williams provided an overview of the actions DESRI and DEPCOM plan to take in response to the DEEP NOV and the stormwater challenges on the site, including, but not limited to, performing a new topographical survey and engaging Terracon as a third party engineer to conduct an independent assessment of the SWPCP. Further discussion related to stormwater design for future solar projects. Mr. Porter suggested that a pre-construction survey of the stormwater patterns of the site and the surrounding off-site areas, including sensitive environmental receptors, such as off-site watercourses and wetlands, be conducted to provide a greater understanding of the pre-construction hydrologic patterns in preparing a SWPCP.

Photographs submitted by Mr. Bates taken May 14.





### Staff Recommendations

Staff recommends the following additional Development and Management Plan conditions:

1. Submission to the Council the resume of the third party engineer conducting the independent assessment of the SWPCP design;
2. Submission to the Council the results of the new topographical survey;
3. Submission of any reports authored by the third party engineer regarding the assessment of the current SWPCP design; and
4. Submission of any reports authored by the third party engineer regarding recommended modifications to the current SWPCP design.



**NOTICE OF VIOLATION**

TO: Fusion Solar Center, LLC  
Attn.: Scott Williams  
1166 Avenue of the Americas, 9<sup>th</sup> Floor  
NY, NY 10036

NOV NO. WR SW 17 004

RE: Fusion Solar Center, LLC  
111 Potash Hill Road, Sprague, CT

DATE: April 25, 2017

The purpose of this Notice is to inform you that personnel of the Department of Energy and Environmental Protection ("DEEP") have made observations or otherwise obtained information indicating that a violation of law has occurred at the above referenced location.

1. On March 7, 2017 an inspection was conducted by DEEP Bureau of Materials Management and Compliance Assurance at the Fusion Solar Center site located at 111 Potash Hill Road, Sprague, CT. Based upon that inspection, it appears that you have failed to comply with the following requirements of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (general permit):
  - a. Failed to install and maintain structural practices (sediment traps and basins) in accordance with the 2002 CT Guidelines for Soil Erosion and Sediment Control and Section 5(b)(2) of the general permit.
  - b. Failed to conduct and maintain records of a plan implementation inspection in accordance with Section 5(b)4 of the general permit.

**\*Additional Comments:**

You should immediately correct the above violation(s) and address the item(s) listed under additional comments, and within fifteen (15) days from the date of issuance of this Notice submit a Compliance Statement on a form prescribed by the Department (copy enclosed) describing the details of the corrective action(s)\*, how the item(s) listed under additional comments have been addressed, and attach all applicable supporting documentation. Such submittal should be sent to the contact person identified below in paragraph D with a copy of such submittal and supporting documentation directed to Jack Melcher of the Environmental Protection Agency ("the EPA") at the address given below in paragraph E. Until DEEP has received such a statement, DEEP will presume you remain in violation. \*If the violation(s) cannot be corrected within thirty (30) days, provide a schedule of compliance (that includes a timetable) on

the enclosed Compliance Statement within thirty (30) days describing the actions you will take to correct the violation(s). Your actions in response to this notice, including submission of the attached Compliance Statement, may affect DEEP's decision whether or not to take formal enforcement action.

***\*Enclose with your compliance statement copies of all weekly inspection reports and any and all contractor certifications.***

- A. **Other violations may exist; legal obligations.** This Notice does not necessarily specify all violations of Connecticut environmental law or violations of any other legal requirements which may exist at the aforementioned property. This Notice does not preclude DEEP or other state, local or federal agencies from commencing any enforcement action regarding any such violations. Your facility may be inspected again pursuant to law and without additional prior notice to determine compliance with state and any applicable federal law. It is your responsibility to comply with all legal requirements, whether or not DEEP notifies you of any violations or takes any enforcement action against you. Nothing in this Notice relieves you of other obligations under applicable federal, state and local law.
- B. **Enforcement action.** Civil penalties of up to \$25,000 may be assessed for each day of each violation under section 22a-438 of the Connecticut General Statutes. Notwithstanding the issuance of this Notice, DEEP may seek such penalties and may issue an order, seek an injunction, or take other legal action under Chapters 439 and 446k of the Connecticut General Statutes.
- C. **No assurance by Commissioner.** No provision of this Notice and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that actions you may take to address the violation(s) alleged herein will result in compliance.
- D. **Staff contact.** If you question any of the information contained in this Notice, you may contact

Neal Williams  
Bureau of Materials Management and Compliance  
Assurance  
79 Elm Street, 2nd floor  
Hartford, CT 06106  
(860) 424-3018

- E. **EPA contact:** Jack Melcher (OES 04-01)  
U.S. Environmental Protection Agency  
5 Post Office Square – Suite 100  
Boston, MA 02109-3912

## **COMPLIANCE STATEMENT**

This Compliance Statement shall be signed by: (1) You (if an individual-the individual signs); (if a corporation or partnership-by a responsible corporate officer/general partner or a duly authorized representative of such person, as those terms are defined in Section 22a-430-3(b)(2) of the Regulations of Connecticut State Agencies); or (if a municipality-chief elected official or principal executive officer) and (2) if different, by the individual responsible for actually preparing such statement, each of whom shall read and sign the certification regarding false statements on the Compliance Statement.

Within fifteen days of the date you become aware of a change in any information in the Compliance Statement, or that any information was inaccurate or misleading or that any relevant information was omitted, submit the correct or omitted information to DEEP and EPA staff contacts identified in the Notice of Violation.

Notice of Violation Date: April 25, 2017

Facility name: Fusion Solar Center, LLC

Facility address: 111 Potash Hill Road, Sprague, CT

Attention: Scott Williams

NOV WR SW 17 004

In accordance with the directions in the above-referenced Notice of Violation, I certify that the noted violations \*and additional comments have been corrected in the following manner:

**Attach sheet(s) as needed  
(Enclose supporting documentation demonstrating compliance)**

### **Certification of Accuracy**

I certify that the information in this Compliance Statement and any attachments thereto are true, accurate and complete, and I understand that any false statement may be punishable as a criminal offense under Connecticut General Statutes Sections 22a-6 and 53a-157.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
(Type name and title)

\_\_\_\_\_  
Address

\_\_\_\_\_  
Date

\_\_\_\_\_  
Preparer's Signature,  
if different from above

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
(Type name and title)  
Address

## ADVICE TO RECIPIENTS OF NOTICES OF VIOLATION<sup>1</sup>

**Read the Notice of Violation.** It tells you:

- \* what activity you have conducted or what condition on your property is causing or may result in damage to the environment;
- \* the environmental laws that you are not complying with;
- \* in some cases, what action you need to take to address the environmental problem;
- \* how quickly DEEP expects you to take action; and
- \* who to contact if you have a question or problem.

**Do Not Cause Additional Problems:** Make sure that you do not engage in activity that might result in further environmental harm.

**Follow the Deadlines:** If you can't meet the deadline(s) provided in the Notice of Violation, call the DEEP contact person identified in the Notice of Violation. Explain why you can't meet the deadline(s). Staff will explore with you the feasibility of alternate deadlines.

**Cooperate with DEEP:** Generally, DEEP's first attempt to resolve the types of violations alleged in this case is through the issuance of a Notice of Violation. If you disregard this notice, it will be assumed you do not wish to cooperate and you should expect that DEEP will take more formal enforcement action. This can include issuing an administrative order, and/or filing suit to obtain an injunction and penalties as provided by law. The most important thing to remember is to call DEEP if you have any questions.

**Call if you don't Understand:** A DEEP staff name and telephone number are given at the end of the Notice of Violation. Staff are there to try to answer your questions and work with you to resolve the environmental compliance issue. In some cases you may need to obtain the services of a professional consultant to plan and implement effective corrective measures. DEEP staff can discuss with you the kind of professional help you may need to address the alleged violation cited in the notice.

---

<sup>1</sup> The Notice of Violation does not necessarily specify all environmental violations which may exist at your property regulated by the Department of Energy and Environmental Protection. Nothing in this Notice relieves you of other obligations under applicable federal, state and local law.

[Note: This sheet is not a part of the Notice and is only attached to the Notice which is retained in separate DEEP files which are accessible to the public with close supervision. The Notice should be mailed to the Respondent by certified mail, return receipt requested.]

Certification of Mailing

On \_\_\_\_\_, 201\_\_\_\_\_, at \_\_\_ : \_\_\_ a.m./p.m., I mailed a certified copy of NOV No. \_\_\_ to the following, by placing it in the \*U.S. mail \*interdepartmental mail:

\*

Attention:\*

On \_\_\_\_\_, 201\_\_\_\_\_, at \_\_\_ : \_\_\_ a.m./p.m., I mailed a plain copy of NOV No. \_\_\_ to the following, by placing it in the \*U.S. mail \*interdepartmental mail:

\*

Attention:\*

---

Dahlia Gordon  
Date:

## **Bachman, Melanie**

---

**From:** Nick Detelich <nendetelich@depcompower.com>  
**Sent:** Friday, May 05, 2017 11:16 PM  
**To:** Bachman, Melanie  
**Subject:** CT30 Soloar Project Sprague, CT

**Melanie,**

I wanted to give you a quick update on today's events at the project. After we spoke I went out to check the large retention basin that discharges behind Mr. Bates house. The amount of rain received proved too extreme for the capacity of the design. Once the basin had filled up the overflow tripped allowing water out at a high velocity. The increase in flow from the discharge piping, allowed the water to cut straight through the filtration basin, installed for purification, and soon after topped Potash Hill road.

Temporary fixes made this evening:

- Installation of a gravel retention wall just prior to the silt fence.
- Removal of the large rock outside of the outlet, and sand bedding, to allow additional ponding.
- Installation rock checks approximately every 20' down to the southwest corner.

Once these items were in place, anything leaving the project was at a greatly reduced velocity. These changes also stopped the water from topping the road.

After the water level in the basin dropped below the overflow we made a few more changes further up the site redirecting water elsewhere.

I will be back onsite again first thing tomorrow. My intent is to double the current capacity of the retention basin immediately.

Additionally, I have pushed this issue up to DEPCOM's sr. Management. They have committed to taking complete responsibility for any damage that may have been incurred on the neighbor's property. The only neighbor I had a chance to speak with tonight was Joe Rainville.

Over the weekend and early next week. There will be a continual dialogue with the engineer of record to ensure a permanent solution is designed and installed in a short manner. As additional information comes in I will continue to send any updates your way.

As always please call with questions, concerns, or comments.



**Nick Detelich, PMP**  
9200 E Pima Center Pkwy Suite 180  
Scottsdale, AZ 85258  
Mobile – 319-721-8897

## **Bachman, Melanie**

---

**From:** Nick Detelich <ndetelich@depcompower.com>  
**Sent:** Saturday, May 06, 2017 9:15 PM  
**To:** Bachman, Melanie  
**Cc:** Baldwin, Kenneth  
**Subject:** CT30 Soloar Project Sprague, CT- Sat 6 May Update  
**Attachments:** file2-2.jpeg; file4-2.jpeg; Rework to SB-3 (2).jpeg; Rework to SB-3 (3).jpeg; 20X20X5 Pond.png; Temporary containments.jpeg

**Melanie-**

**Hope your weekend is going well. I wanted to give you an update on what has taken place since my email last night. Attached are a few photos of the changes from yesterday evening and the ones made today. Below is a summary.**

**Today we completed following modifications are being installed today:**

- **Expanding the western half of retention Basin SB-3. Doubling its current capacity.**
- **Installation of a series of retention ponds approx. 20' X 20' X 5' on the downstream side of the overflow. These ponds will tear drop once full into the next pond. Giving this area even more storage capacity in addition to reducing the flow velocity of any discharge from SB-3.**

**Once the EOR completes a redesign for the basin, DEPCOM will incorporate the new design in the field. My intention is to have the EOR onsite Mon/Tues giving them time to turn around a new design no later than Thursday. Leaving enough time for review and implementation before EOW.**

**Cathy Osten is up to speed on what occurred, what changes have been made and DEPCOM's plan of action moving forward. Cathy also stopped in to today, very positive conversation. The only neighbor I have had the opportunity to connect with so far is Joe Rainville. I believe at least one additional land owner was impacted. I am still working to find out the details.**

**Moving forward we will be implementing additional monitoring protocols. In addition to the weekly, monthly, and after a significant storm, I am putting together an SOP for our field crew. This will include daily checks of the sediment basin across the site, and increased monitoring/personnel during weather events.**

**As additional modifications are made, I will be sure to keep you up to date.**

**Please let me know if you have additional questions.**

**Thanks,**



**Nick Detelich, PMP**  
9200 E Pima Center Pkwy Suite 180  
Scottsdale, AZ 85258  
Mobile – 319-721-8897

## **Bachman, Melanie**

---

**From:** Nick Detelich <ndetelich@depcompower.com>  
**Sent:** Thursday, May 11, 2017 5:01 PM  
**To:** dembinskidenise@sbcglobal.net; wblanchard02@snet.net; bauer.nl@comcast.net; dheld@prorovinc.com; scottdrowne@gmail.com  
**Cc:** Bachman, Melanie; Perrone, Michael; Lance Weinkamer; Chance Combs; Nick Detelich; Will Porter; Dean Gustafson; Matthew Gustafson; Byron Lamon; Baldwin, Kenneth  
**Subject:** CT30/Fusion Solar Project Sprague, CT: 5 May Rain event

**Ladies and Gentlemen,**

**On behalf of DEPCOM Power, I would like to apologize for the disturbance of Friday, May 5th: the flooding of Potash Hill road. I would like to additionally apologize to all the neighbors impacted by this event. I have had a chance to communicate directly with some individuals, but for those I have not, DEPCOM intends to make full repairs to any damage incurred due to the event. DEPCOM is taking this incident very seriously and is making every effort to ensure this type of event does not occur in the future.**

**To recap what took place during the storm on 5 May, the project received approx. 3 inches of rain (12 & 3:30). That amount of rain in such a short time span proved too much for the design of sediment basin SB-3, the large sediment retention basin located in the southwest corner of the project. Between 12 & 3 the basin slowly began filling. My last inspection occurred at 3:15. At that time there was more than 2' of head to the overflow. By 3:30 the basin had filled and hit the interior overflow, allowing water to discharge at an increased velocity. The amount of water being discharged in combination with the increased velocity allowed the water to cut straight through the riprap and sand placed at the outlet for additional purification. Shortly thereafter, the water flow made its way through the woods south of the project laydown yard and reached the roadway. Almost immediately, it plugged an existing culvert running underneath Potash Hill Road.**

**Once the water had topped Potash Hill Road it split into two streams: South onto Mr. Joe Rainville's property (Allen Rainville's Nephew), and West further down the road affecting Scott and Amy Drowne's pond.**

**Temporary fixes DEPCOM made 5 May include:**

- Installation of a 3' gravel retention wall just prior to the silt fence and level with the laydown area.**
- Removal of the additional riprap and sand bedding, installed to improve sediment drop out at low flow, to allow for additional ponding.**
- Installation of gravel rock checks approximately every 20' down to the 3' gravel retention wall.**

**Once these items were in place, anything leaving the project was at a greatly reduced velocity. These changes also stopped the water from topping the road.**

**After the water level in the basin dropped below the overflow we made a few additional changes further up the site reworking swales and directing water to basins with additional capacity in them.**

**Saturday 6 May, DEPCOM completed following modifications:**

- Expanded the western half of retention Basin SB-3 doubling its current capacity.**
- Installed a series of retention ponds approx. 20' X 20' X 5' on the downstream side of the overflow. Each pond will tear drop once full into the next pond, giving this area even more storage capacity in addition to reducing the flow velocity of any discharge from SB-3.**

**Once the Engineer of Record (EOR) completes a redesign for the basin, DEPCOM will incorporate the new design in the field. DEPCOM plans to implement the new engineered design on Friday 12 May.**

**Moving forward we will be implementing additional monitoring protocols. In addition to the inspections required by the State and the frequency of our visuals during, I am drafting a SOP for our field crew. This will include daily checks of the sediment basins across the site and increased monitoring/personnel during weather events.**

**As additional modifications are made, I will be sending out updates to the neighbors of the project, as well as the Siting Council, CTDEEP, and the Town of Sprague.**

**As discussed during our 7 Mar onsite meeting, throughout the remainder of the construction process, DEPCOM will be providing the Siting Council, CTDEEP, and the Town of Sprague with periodic updates on the status of construction activity.**

**DEPCOM looks forward to working cooperatively with you for the remainder of the construction phase of the project.**

**Please let me know there are additional questions.**

**Respectfully,**



**Nick Detelich, PMP**  
9200 E Pima Center Pkwy Suite 180  
Scottsdale, AZ 85258  
Mobile – (417) 689-4346

**Bachman, Melanie**

---

**From:** PAMELA & JOSEPH THEROUX <joetheroux426@comcast.net>  
**Sent:** Thursday, May 11, 2017 10:53 PM  
**To:** Bachman, Melanie  
**Subject:** Fwd: Solar Project concerns

Hello Melanie:

Thank you again for taking the time to talk with me. I know that the Town of Sprague has no jurisdiction over this project but several landowners came to our last regularly scheduled meeting of the Town of Sprague Inland Wetland Commission with their concerns.

In response to our conversation and your request for a summary of my concerns regarding the continuing failures of the E&S measures and discharges from storm water detention/treatment system on the solar project on Potash Hill Road, my concerns are as follows:

1. There have been 3 or 4 significant discharges of storm water transported sediment (which I have directly observed) into adjacent properties, several intermittent watercourses, and recently, 2 farm ponds and the Little River. These discharges have occurred from only 1 to 2 inch storm events. The discharges were only documented on the report for 4/4/17. This same report states that "No significant release of sediment occurred in either location"?? This construction sites E&S /storm water control measures need to be completely tightened up before any further land disturbing activity continues. If there are any further controlled discharges from the site they should only be treated, clean runoff in reasonable quantities that do not cause any erosion.
2. As I am not in the loop, what is the frequency of E&S inspections? Given the history of the site so far I would recommend daily or at least 2-3 X a week.
3. The storm water detention basin closest to Potash Hill Rd. appears to be only approx. 150 feet from the adjacent property. Was it expected that in this short distance that the majority of the storm water discharge would be adequately treated/ infiltrated before reaching the adjacent property in reasonable quantities?
4. It was reported to me that oil sheen was observed by neighbors in storm water discharges and construction equipment was directly observed leaking oil. Allegedly, a tarp was

strung beneath the particular piece of equipment to catch the oil and yet it was still being used for grading???

5. Where and how is the construction equipment being re-fueled and maintained? Is storm water transporting fuels and oils?
6. The significant impacts to the wetlands and watercourses functions and values/neighboring properties were apparently not evaluated or documented. This should be done and remediation/mitigation of the wetlands/watercourses/ponds should be mandatory. If these same circumstances/impacts happened on a construction project permitted at the town level, a cease and desist/restore order would have been issued. No construction would be allowed to occur until the remediation was completed. Only the reconstruction and fortification of E&S measures and detention basins should be allowed until they are more than adequate.
7. Regarding the above impacts, should the Army Corps of Engineers be involved at this point due to the sedimentation of and corresponding impacts to several watercourses, 2 farm ponds and the Little River?
8. The total acreage of disturbed, non vegetated soil (100+ acres) is obviously too large of an area for the existing E&S measures/storm water detention ponds (as evidenced by the significant discharges). The engineering behind this needs to be re-evaluated by a third party ASAP to determine a sound remedy instead of makeshift site modifications. This project should have been phased.
9. The surrounding neighbors have been repeatedly told that the project has and will not affect the existing/original/historic storm water runoff patterns, and that the original topography/grades were not significantly changed yet many of them have told me that they are seeing significant changes during these recent rain events. If there are no significant changes, why is significant quantities of fill being placed over the ledge behind the detention basin? I did not review the project plans, but I'm sure there are proposed grades shown on the plans showing cuts and fills. The approved plans should be checked with the existing grades to ensure that the original/historic runoff patterns are indeed duplicated.(by a third party if necessary). The site grading should be modified if necessary.
10. The neighbors have also been told that the volume of runoff from the project will be no different as well. They were told that the runoff would infiltrate better than the forested conditions because the topsoil and surfaces would be graded and worked. How can this be the case if the runoff coefficient goes from heavily forested to the post construction conditions of grass and small herbaceous vegetation? There is a significant difference. Especially when you take into consideration that there are significant quantities of ledge on the site, soils with poor infiltration (clay and compact till in B and C horizons), perched water tables, and high water tables, (fall through spring). These conditions are causing these recent 1-2 inch rainfall events to be magnified resulting in the heavy discharges. There will also certainly be frost throughout the entire site (mid to late winter through early spring) due to the lack of tree/organic matter to insulate the ground as well. All of these circumstances will prevent or severely reduce infiltration during the times of the year when the most precipitation occurs. Weren't there test pits or borings done to

predict these conditions? This is critical and these conditions should also be considered by the engineers.

11. Timing of this stage of the project is poor. The extensive area and disturbance currently being conducted should occur in the driest months of summer only when the water table is at its lowest point. This would help significantly with the storm water discharge issues.
12. Potash Hill Road and a few private driveways have been undermined/damaged from this last discharge, these damages should be fixed by the contractor to the satisfaction of the Town and or property owners.
13. The original approved clearing limits were completely ignored and the area was clear cut up to the adjacent landowners property lines. Was this also done directly adjacent to the wetlands on the site? What of the promised buffer zones around the wetlands and project, and are the adjacent property owners going to have to live with this intrusion?
14. I am told that the allegedly the approved planting schedule has been deviated from. Apparently cedars are being substituted for other tree species. These will be readily destroyed by the deer browsing after the first heavy winter snow.
15. I would recommend better communication and interaction with the adjacent landowners and neighbors of the project, to learn from their experience, notify them, answer their questions, and dispel their fears, as they will be the people that have to live with this project in their back yards.
16. Please CC me on any further correspondence concerning the project, especially if it concerns inland wetlands and watercourses.

With all this have being said, I think it is the responsibility of the Siting Council and CT. D.E.E.P. to intervene at this point while the construction is just beginning, to prevent further impacts to the surrounding wetlands, watercourses and environment, the adjacent property owners and their properties, and the storm water system of Potash Hill Road.

Please feel free to distribute this e-mail to any and all concerned parties, and if I can be of further assistance, please contact me.

Sincerely,

Joseph R. Theroux

Wetlands Agent, Town of Sprague

Certified Soil Scientist

Certified Forester

# STORMWATER CONSTRUCTION SITE INSPECTION REPORT

## PLAN IMPLEMENTATION INSPECTION

<b>General Information</b>	
Project Name: Fusion Solar Center	Date & Time of Inspection: 4/4/2017 (all day) & 4/12/2017 (all day)
Project Location: 1111 Potash Rd, Sprague, CT 06330	Inspector(s) Name/Title/Contact Information:
Phase of Construction: Clearing/Grubbing/Grading	David Laiuppa (FHI) – CSS, CESSWI – (860) 243-2456
Forman or Site Contact at Time of Inspection: Nick Detelich	Shawn Callaghan (FHI) – PSS – (860) 256-4918
Plan/Drawing Version/Date:	Joshua Weiss (FHI) – PSS, QCS, QSWPPP – (860) 247-7200
01/17/2017	Plan Implementation Inspection: <input checked="" type="checkbox"/> First <input type="checkbox"/> Second <input type="checkbox"/> Third

<b>Weather Information</b>	
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, provide: Storm start date & time: 4/4, 4/6	Storm duration (hrs): 13, 15
Weather at time of this inspection. Temperature: 46 F & 62 F	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snow <input type="checkbox"/> High Winds
Other: Rain on 4/4, Clear on 4/12	<input type="checkbox"/> Rain on 4/4, Clear on 4/12
Have any discharges from the site occurred since the last inspection? If yes, describe: Clean discharge at anti-tracking pad, turbid discharge at several locations around the perimeter of project	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Are there any discharges from the site at the time of inspection? If yes, describe: Clean discharge at anti-tracking pad, turbid discharge at several locations around the perimeter of project	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Was turbidity monitoring conducted during this inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Site-specific BMPs (Plan Implementation)							
	BMP/ Site Reference	BMP Installed	Maintenance Required	BMP Consistent with Plans	BMP Conformant with Permit	BMP Conformant with Guidelines	Notes
1	SB-1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of basin</li> </ul>
2	ST-1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> </ul>
3	ST-2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> </ul>
4	ST-3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> </ul>
5	ST-4	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> </ul>
6	ST-5	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> </ul>
7	ST-6	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> </ul>
8	ST-7	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Roots/Woody debris used in construction of trap</li> <li>Berm does not appear to be fully compacted</li> </ul>

## Site-specific BMPs /Plan Implementation

		Site-specific BMPs /Plan Implementation								
		BMP /Site Reference	BMP Installed	Maintenance Required	BMP Consistent with Plans	BMP Conformant with Permit	BMP Conformant with Guidelines	Notes		Recommended Corrective Action
9	ST-8	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap of trap</li> <li>Roots/Woody debris used in construction</li> <li>Berm does not appear to be fully compacted</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> <li>Needs better compaction of trap berms</li> </ul>	
10	ST-9	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap of trap</li> <li>Roots/Woody debris used in construction</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> </ul>				
11	ST-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Large rocks used in construction of trap</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> </ul>				
12	SB-3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of basin of basin</li> <li>Roots/Woody debris used in construction</li> <li>Retention time not adequate for settling</li> <li>Embankment top width does not meet guidelines</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> </ul>				
13	ST-11	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Large rocks used in construction of trap</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> </ul>				
14	ST-12	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Retention time not adequate for settling</li> <li>Sediment observed leaving trap &amp; exiting site</li> </ul>	<ul style="list-style-type: none"> <li>See silt fence notes below (#22 &amp; #24)</li> </ul>				
15	ST-13	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> </ul>	<ul style="list-style-type: none"> <li>Outlet needs maintenance</li> <li>Inlet needs better protection (armoring)</li> </ul>				
16	SB-2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of basin</li> <li>Retention time not adequate for settling</li> </ul>	<ul style="list-style-type: none"> <li>Outlet needs maintenance</li> <li>Inlet needs better protection (armoring)</li> </ul>				

Site-specific BMPs (Plan Implementation)							
BMP / Site Reference	BMP Installed	Maintenance Required	BMP Consistent with Plans	BMP Conformant with Permit	BMP Conformant with Guidelines	Notes	Recommended Corrective Action
17 ST-14	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> </ul>	<ul style="list-style-type: none"> <li>Inlet needs better protection (armoring)</li> </ul>
18 ST-15	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> <li>Berm slumping on SE side</li> </ul>	<ul style="list-style-type: none"> <li>Berm needs repair and compaction</li> </ul>
19 ST-16	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> </ul>	<ul style="list-style-type: none"> <li>Large rocks used in construction of trap</li> </ul>
Site Entrance / Anti-tracking Pad	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Evidence that vehicles are not staying on anti-tracking pad</li> </ul>	<ul style="list-style-type: none"> <li>Continue ongoing maintenance</li> <li>Restrict traffic from cutting corner at road (keep traffic on pad)</li> </ul>
Access Road (from entrance to trailer)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Evidence of disturbance adjacent to road</li> </ul>	<ul style="list-style-type: none"> <li>Keep traffic on road</li> </ul>
Limit of Disturbance (perimeter) Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Fence not installed at north end of site</li> <li>A few breaches throughout site need repair</li> <li>Sediment observed beyond fence south of ST-12, west of ST-6, and south of SB-3</li> </ul>	<ul style="list-style-type: none"> <li>Keep up maintenance &amp; repairs of fence</li> <li>Complete installation of fence</li> </ul>
Limit of Disturbance (perimeter) Woodchip Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Berm not installed at north end of site</li> <li>Berm not completely installed at northwest side of site</li> </ul>	<ul style="list-style-type: none"> <li>Finish installation of berm</li> </ul>
E&S Slit Fence (interior fence)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <li>Fence not installed yet due to active grubbing and grading</li> </ul>	<ul style="list-style-type: none"> <li>Install fence as soon as possible (even if it's only done in some areas)</li> </ul>

## Site-Specific BMPs (Plan Implementation)

	BMP / Site Reference	BMP Installed	Maintenance Required	BMP Consistent with Plans	BMP Conformant with Permit	BMP Conformant with Guidelines	Notes	Recommended Corrective Action
25	Diversion Ditch	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Ongoing/General	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Ditch only installed in some locations due to active grubbing and grading	<ul style="list-style-type: none"> <li>Finish installing ditches as soon as possible (even if it's only done in some areas)</li> <li>Ditches would benefit from flow dissipaters (i.e. check dams)</li> </ul>
26	Rumble Rack	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Working ok	<ul style="list-style-type: none"> <li>Clean (as needed)</li> <li>Keep traffic on rack (when needed)</li> </ul>
27		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
28		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
30		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
31		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
32		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ongoing/General	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

## Overall/Site Issues (Plan Implementation)

		Overall/Site Issues (Plan Implementation)					Recommended Corrective Action	
		Implemented?	Maintenance Required	BMP/Activity Consistent with Plans	BMP/Activity Conformant with Permit	BMP/Activity Conformant with Guidelines	Notes	
A	All inactive slopes and disturbed areas have been stabilized.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Active grubbing & grading does not allow for stabilization at time of inspection	
B	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Failures of fence need repair/reinforcement	
C	Are all sanitary waste receptacles placed in secondary containment and free of leaks?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No waste receptacles	
D	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Failures of fence need repair/reinforcement	
E	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formal discharge point (anti-tracking pad) free of sediment Sediment observed beyond fence south of ST-12, west of ST-6, and south of SB-3	Repair silt fence
F	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No storm drains	
G	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Restrict traffic from cutting corner at road (keep traffic on pad) Continue ongoing maintenance	
H	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Dumpster not covered at time of inspection Cover dumpster	

## Overall Site Issues (Plan Implementation)

								Notes	Recommended Corrective Action
		Implemented?	Maintenance Required	BMP/Activity Consistent with Plans	BMP/Activity Conformant with Permit	BMP/Activity Conformant with Guidelines			
I	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	• Washouts not constructed at time of inspection (not needed yet)	
J	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	• Fueling, cleaning, maintenance locations unknown at time of inspection	
K	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	• No such materials on site at time of inspection	
L	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	• Sediment observed beyond fence south of ST-12, west of ST-6, and south of SB-3	• Repair silt fence
M	Are dust control measures in place and being implemented as needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	• Dust control was not needed at time of inspection	• Equipment should be on stand-by as needed			
N	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
O	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
P	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

## ***Non-Compliance Information***

### **Describe any incidents of non-compliance not described above:**

- None observed at time of inspection

## ***Other Comments***

### **Describe any other comments related to the site that have not been adequately described above:**

- A failure of the E&S controls occurred to the south of SB-3 (the failure was attributed, primarily, to a malfunctioning control valve in the basin as well as a breach in the wall of the ditch leading into the basin. These factors were remedied on the day of inspection). The failure lead to sediment laden waters leaving the project limits. The contractor, in an effort to prevent this from occurring again, installed a large sediment collection area between the sediment basin and the perimeter fence. At the time of inspection, the outlets of the sediment traps and basins did not have adequate controls in place that would prevent the transport of additional materials to the silt fence. The outlet structures empty onto unstabilized soils before exiting the site. In some cases, vehicles are allowed to traverse these areas. Completion and implementation of designed controls (i.e. silt fence and chain linked fence) should reduce the transport of free sediment before reaching perimeter controls.
- Due to active clearing, grubbing, and grading there are several critical controls that are not yet in place (i.e. interior silt fences, diversion ditches). The lack of these controls puts an undue burden on the BMPs that are in place. The diversion ditches not being installed because of clearing and grubbing operations has a large impact on the collection potential and effectiveness of the BMP controls on-site, specifically sediment traps collecting stormwater rather than runoff "missing" the traps all together.
- Due to active clearing, grubbing, and grading it appears that some of the drainage areas contributing to some of the sediment traps and basins may not be properly graded. As a result, some of the basins and traps are taking on more water than they are designed for while others are not taking on as much as they can handle. Once site conditions allow, the drainage areas need to be surveyed and properly graded.
- For the sediment traps and basins to be effective, the outlet should be protected to the LOD from re-accumulating loose sediment from the site after treatment. Small rock aggregate will reduce sediment runoff and reduce water velocity leaving the site.
- Although many of the traps and basins contained large stones and woody debris, the functionality of the structures was not diminished by these elements. The inclusion of these elements has the potential for wall failure if water begins to build up and follow the rocks and wood through the walls of the structures. Rebuilding of these structures may not be needed at this point but they should be closely monitored.

## Certification Statement

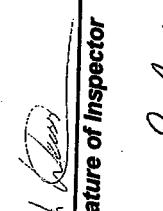
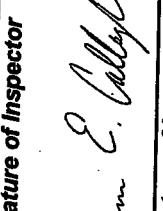
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

  
David Laluppa

David Laluppa – CSS, CESSWI

**Signature of Inspector**

4/18/17

<b>Signature of Inspector</b>	<b>Printed Name and Title</b>	<b>Date</b>
 Joshua Weiss	Joshua Weiss – PSS, QCIS, QPSWPPP	4/18/17
 Shawn Callaghan	Shawn Callaghan – PSS	4/18/17

## Permittee Signature

"I accept the above inspection report as it has been presented to me. I have had no influence on the independent inspection or the results of findings that have been recorded. I understand that the findings and recommendations of this inspection report are in the best interest of the protection of regulated resources that have the potential to be affected by activities related to and resulting from the project. I understand that the inspection findings presented above do not preclude or supersede any findings that are presented from any regulatory agencies that hold jurisdiction over this project. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

  
Will Porter

Will Porter - Project Engineer

<b>Signature of Permittee (or designee)</b>	<b>Printed Name and Title</b>	<b>Date</b>
		4-25-17