

**From:** Nick Detelich [<mailto:ndetelich@depcompower.com>]

**Sent:** Thursday, May 11, 2017 5:01 PM

**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,



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