

From: Jordan Belknap <jbelknap@tpoint-e.com>
Sent: Wednesday, December 2, 2020 4:27 PM
To: Jennifer Curtis
Cc: Amanda L. Lessard; Michelle Carpenter
Subject: RE: TPE ME WH02, LLC Solar Project - Town Council Questions

Hi Jenn,

Thank you facilitating the endorsement of the easement by town council. I should have an executed copy very soon which I will pass along for your records.

In regards to the questions broken panels and leaching.

The solar panels that will be used for this project are not classified as hazardous waste. They are manufactured to meet EPA requirements for toxicity based on the Toxicity Characteristic Leaching Procedure (TCLP). The modules are silicon based and primary composed of glass, aluminum, and silicon. We will not use thin film solar modules on this project which contain cadmium telluride.

The solar modules are encapsulated in the aluminum and glass frame. This frame is durable and rarely are panels compromised once installed. However, in the event that a module frame is severely damaged the solar panel will be replaced. Damaged and replaced panels will be removed from the premises and sent to approved facility for recycling or returned to the manufacturer.

The facility is monitored and there are techniques to find damaged panels. Routine periodic maintenance and inspection will be performed on the facility. Thermal imaging scanning is standard part of periodic maintenance and can usually detect damaged panels. A damaged panel will usually show a different heat signature and will stand out in comparison properly functioning panels. Also, electrical performance is constantly monitored, so in the event the damage prevents the panel from producing electricity it can often be identified remotely and a field technician can be dispatched to replace a damaged panel.

I hope this helps.

Please let me know if you have any further questions or need further clarification.

Thank you,
Jordan

From: Jennifer Curtis <jcurtis@windhammaine.us>
Sent: Wednesday, November 25, 2020 10:59 AM
To: Jordan Belknap <jbelknap@tpoint-e.com>
Cc: Amanda L. Lessard <allessard@windhammaine.us>
Subject: RE: TPE ME WH02, LLC Solar Project - Town Council Questions

Hi Jordan,

The Town Council endorsed the easement for the project to cross the old rangeway yesterday evening. They also had a few concerns that I was hoping you could take some time to address in writing. Give me a call if you have any questions about these:

A concern was raised that broken panels could leach toxic materials. A further concern, predicated on the

prior, was that if panels got broken, they might be left to create an environmental hazard due to a lack of maintenance and/or an inspection and reporting program, and/or safe disposal or recycling stream.

What happens if a panel gets broken?

Jenn Curtis, Planner

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