Petition No. 1431
SunJet Energy, LLC- Bethlehem

Interrogatories – Set 3

RESPONSE

February 17, 2021

66. Referring to interrogatory response 42, would the transformer operate in tandem with an inverter that also contributes noise? What noise contribution would be from the operation of the horizontal tracking system? Provide a calculation that demonstrates compliance with the DEEP noise standards at the property boundary from the collective operation of site equipment.

    Yes, the transformer and inverters operate in tandem, but the transformer is louder than the inverters. The noise contribution of the tracker system is from the motor, which per the manufacture is 52.5dBA. Decibels are measured on a logarithmic scale and thus the highest level prevails which in this case is the transformer at 64dBA. Since the system only operates during the daytime it is required to meet a level of 61 dBA at the property per DEEP noise standards. As stated in the interrogatory response 42 the transformer is 320 feet from the closest property line, thus using the inverse square law the sound level at the closest property line is approximately 30 dBA.

67. Referring to Site Plan EC-1- Construction Sequencing, note 8, how will the basins and swales be stabilized? If soil stabilization would occur by seeding, what is the anticipated time frame from seeding to stabilization with vegetative growth?

    Please refer to Site Plan DN-2, 1/DN-2, 3/DN-2, & 5/DN-2. The basins are stabilized in two ways, one by seeding but also while the seed is germinating, they are temporarily stabilized using an erosion control blanket which is an acceptable practice per the 2002 Erosion and Sedimentation Control Guidelines. There are also two types of stabilization for the swales. In the steeper section along the northern property line, riprap is being used. In the other locations the swale will be stabilized the same way as the basins with seed and temporary erosion control blanket.

68. Submit Toxicity Characteristic Leaching Procedure (TCLP) testing results for the selected solar modules. Does the result of the TCLP test characterize the modules as hazardous waste?

    The TCLP testing report is shown in Attachment A. The result of the TCLP does not characterize the modules as hazardous waste.

69. The Project Decommissioning Plan did not mention the stormwater management system. Provide information as to what procedures, if any, would be used to remove the stormwater management system.

    As noted in interrogatory response 52 the excess cut will remain on property. At the end of the useful life of the project the stormwater management features would be removed and filled in with the excess cut that remained on site.

70. Referring to Interrogatory 46, what is the status of the General Permit filing? Has DEEP recommended any other changes to the Project design?

DEEP has approved the general permit filing and authorization is pending the letter of credit. DEEP has not recommended any changes to the Project design.

71. Describe any outreach efforts to property abutters and area neighbors. Did any abutter or neighbor have comment on the proposal? If so, provide a summary of the comments received.

The project mailed letters to all property abutters and neighbors but did not receive any feedback from these abutters and neighbors. Most of the abutters and neighbors appear to be members of the project site landowner's family or extended family and none provided any direct comments to the project.

Test Report

REPORT No.:	SHE20-11364/1	DATE RECEIVED:	2020/10/12
ATTENTION:	Ya XIAO	ANALYSIS DATE :	2020/10/12~2020/10/22
CUSTOMER:	Trina Solar Co., Ltd.	DATE REPORTED:	2020/10/22
	No.2 TianHe Road, Trina PV Industrial Park, New District, Changzhou City, Jiangsu Province 213031, P. R	SAMPLE (S):	Solid waste (1)
REFERENCE:	-		

REMARKS

1.The results apply to the sample(s) as received

2.The report is translated from SHE20-11364.

Edited by: Min ZHOU

Reviewed by: Jun MENG

Approved by: Liqiong TANG

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Statement

1. The test report is invalid without the official seal of the laboratory.

2. This test report cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

3. The test report is invalid without the signature of the compiler, the checker and the approver

4. The test report is invalid if altered.

5. The test report has been drafted in Chinese and translated into English (if applicable) for convenience only. In the event of discrepancy, the Chinese version shall prevail.

6. Should you have any queries or objection to the test report, please contact us within 10 days after receiving the report.

Legend

NA The sample was not analysed for this analyte

↑ Detection limit raised

↓ Detection limit lowered

ND Not Detected

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INORGANIC & ORGANIC ANALYSIS

Report No.: SHE20-11364/1

Customer Reference: -

				Limit	
			Lab ID		SHE20-11364.001
			Customer ID		TSM-xxDEG15MC.20(II) 光伏组件
			Model No		SHES2010019995TX
			Date Received		2020/10/12
TCLP ITEM	METHOD	MDL	UNIT		**Solid waste**
Arsenic (As)	USEPA 200.8-1994	0.050	mg/L	≤5	<0.050
Barium (Ba)	USEPA 200.8-1994	0.010	mg/L	≤100	**0.116**
Cadmium (Cd)	USEPA 200.8-1994	0.001	mg/L	≤1	<0.001
Chromium (Cr)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Lead (Pb)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Selenium (Se)	USEPA 200.8-1994	0.050	mg/L	≤1	<0.050
Silver (Ag)	USEPA 200.8-1994	0.010	mg/L	≤5	<0.010
Mercury (Hg)	USEPA 7473-2007	0.005	mg/L	≤0.2	<0.005

Remark:

1.Preparative method:USEPA1311-1992(Toxicity Characteristic Leaching Procedure)

2.The Limits comes from CFR(code of federal regulations) title 40 part 261.24.

Method List

USEPA 200.8-1994 Metals ICP-MS
USEPA 7473-2007 Metals-Hg

Equipment Information

Method:USEPA 200.8-1994

Equipment Name	Model	Equipment Number	Serial Number
ICP-MS	Agilent 7900	CHEM-998	JP16311502

Method:USEPA 7473-2007

Equipment Name	Model	Equipment Number	Serial Number
Hg analyzer	Milestone DMA-80	CHEM-958	16041979

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APPENDIX

Report No.:SHE20-11364/1

Customer Reference: -

End of report

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