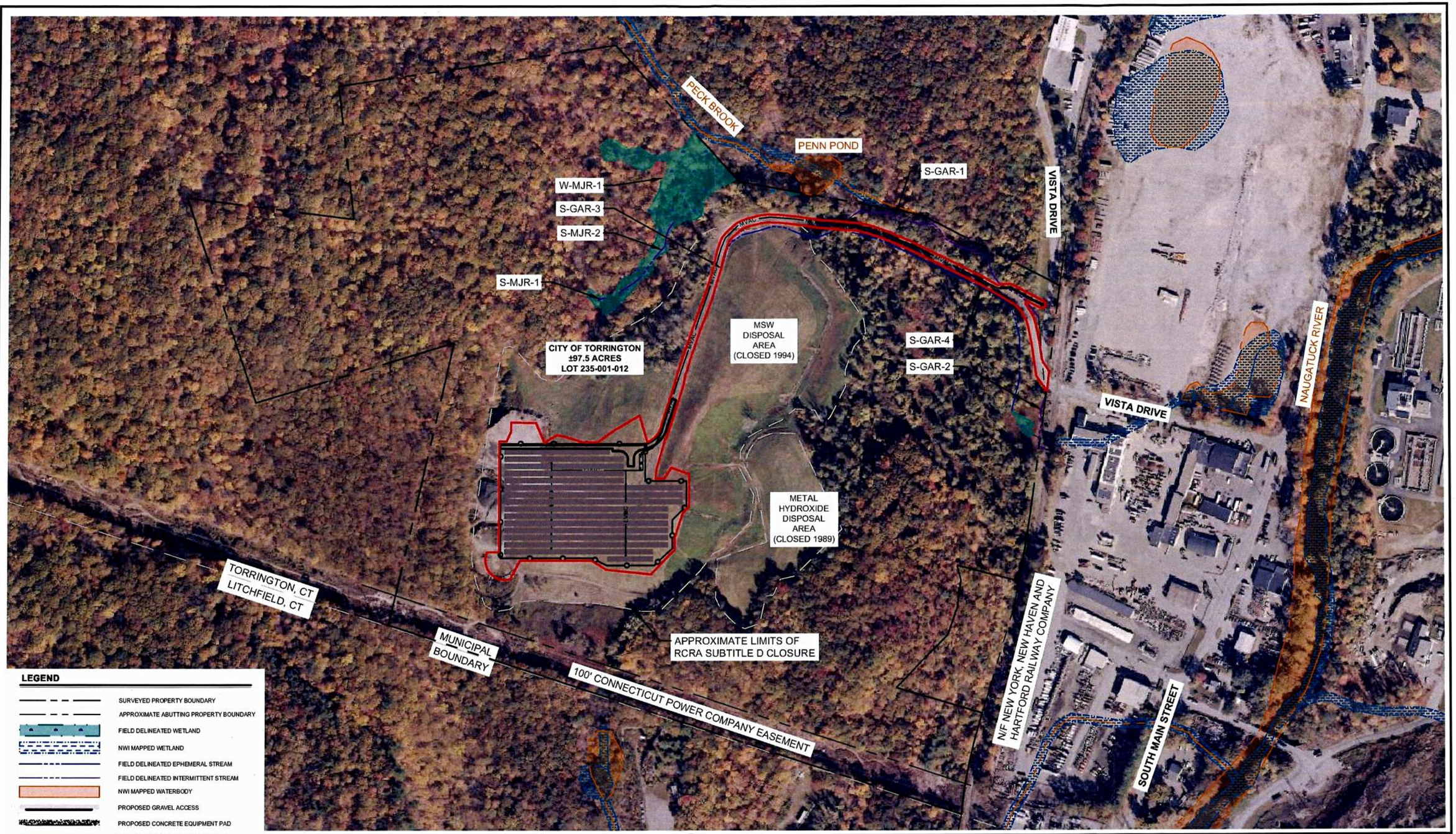
EXHIBIT A



LEGEND

- SURVEYED PROPERTY BOUNDARY
- APPROXIMATE ABUTTING PROPERTY BOUNDARY
- FIELD DELINEATED WETLAND
- NWI MAPPED WETLAND
- FIELD DELINEATED EPHEMERAL STREAM
- FIELD DELINEATED INTERMITTENT STREAM
- NWI MAPPED WATERBODY
- PROPOSED GRAVEL ACCESS
- PROPOSED CONCRETE EQUIPMENT PAD
- BOUNDARIES OF SOLAR FACILITY SITE
- PROPOSED CHAIN LINK FENCE
- OE — PROPOSED OVERHEAD ELECTRIC LINE AND POLE
- MVAC — PROPOSED MV ABOVEGROUND ELECTRIC LINE
- LVDC — PROPOSED LV ABOVEGROUND ELECTRIC LINE
- PROPOSED FIXED-TILT BALLASTED ARRAY
- 1 — PHOTO LOCATIONS

N

0 300

SCALE IN FEET

TRC
21 Griffin Road North
Windsor, CT 06095
Phone: 860.298.9692
www.trccompanies.com

PROJECT:
UNITED STATES SOLAR CORPORATION
USS TORRINGTON SOLAR LLC
PROPOSED 1.998 MW-AC SOLAR ARRAY
105 VISTA DR, TORRINGTON, LITCHFIELD COUNTY, CT

TITLE:
SOLAR FACILITY SITE MAP

DRAWN BY:	TRC/ARD
CHECKED BY:	ASW
APPROVED BY:	ASW
DATE:	DECEMBER 2023
PROJ. NO.:	490953.0000
FILE:	Site Map.dwg

FIGURE 1

EXHIBIT B

EAGLE
MODULES

THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE 72 G6B

565-585 WATT • N-TYPE BIFACIAL

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3rd party labs
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar factories in USA, Vietnam, and Malaysia

KEY FEATURES

N-Type Technology
N-type cells offer Jinko's in-house TOPCon technology with better performance and improved reliability.

Multi Busbar Half Cell Technology
Better light trapping and current collection to improve module power output and reliability.

Bifacial Power Gain
N-Type architecture increases bifaciality for higher backside bonus and better lifetime yield.

Low Temperature Coefficient
Best in class temperature coefficient for highest lifetime energy yield in all climates.

Industrial Grade Construction
Fire Type 29 with optimized dual-glass construction and thick frame for highest mechanical load resistance.

Shade Tolerant
Twin array design allows continued performance even with shading by trees or debris.

Protected Against All Environments
Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

Warranty
12-year product and 30-year linear power warranty.

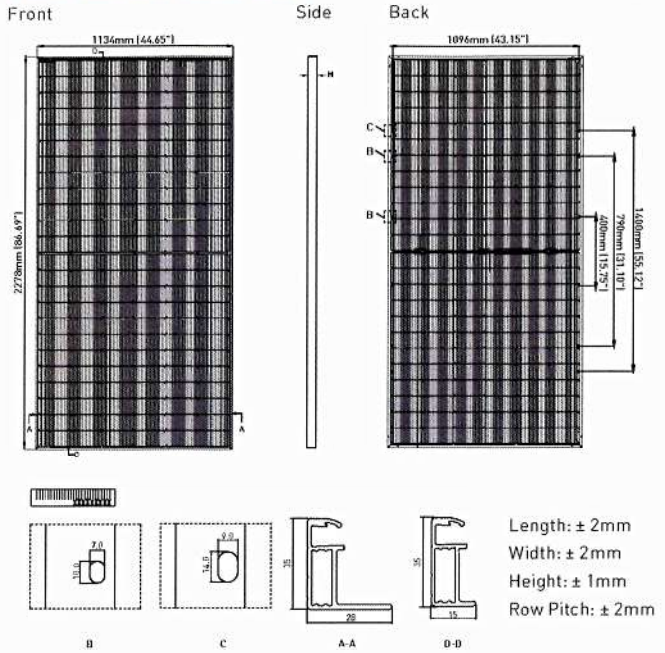
- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products
- ISO45001: 2018 Occupational Health & Safety Standards
- UL61730 certified products

TÜVRheinland CE c UL us LISTED IEC

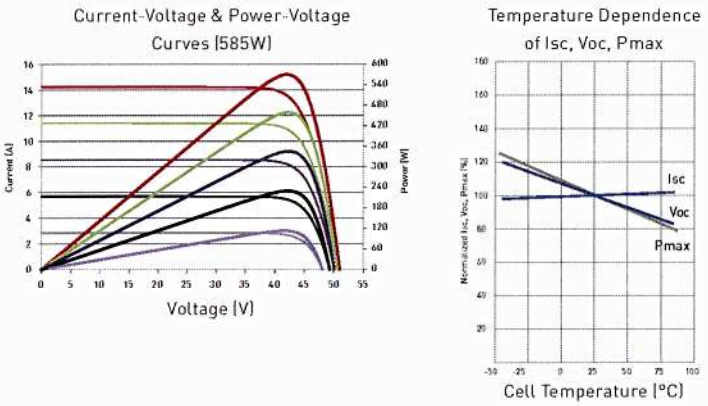
BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US

Jinko Solar

ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

No. of Half Cells	144 (2 x 72)
Dimensions	2278 x 1134 x 35mm (89.69 x 44.65 x 1.38in)
Weight	32kg (70.55lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12 AWG, 1400mm (55.12in)
Fire Type	Type 29
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of Pmax	-0.29%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	0.045%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Bifacial Factor	80±5%

MAXIMUM RATINGS

Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

PACKAGING CONFIGURATION

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/40 HQ Container

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power (Pmax)	588Wp	593Wp	599Wp	604Wp	609Wp
	Module Efficiency (%)	22.76%	22.97%	23.17%	23.37%	23.57%
15%	Maximum Power (Pmax)	644Wp	650Wp	656Wp	661Wp	667Wp
	Module Efficiency (%)	24.93%	25.15%	25.37%	25.60%	25.82%
25%	Maximum Power (Pmax)	700Wp	706Wp	713Wp	719Wp	725Wp
	Module Efficiency (%)	27.10%	27.34%	27.58%	27.82%	28.07%

WARRANTY

12-year product and 30-year linear power warranty

1st year degradation not to exceed 1%, each subsequent year not to exceed 0.4%, minimum power at year 30 is 87.4% or greater.

ELECTRICAL CHARACTERISTICS

Module Type	JKM565N-72HL4-BDV		JKM570N-72HL4-BDV		JKM575N-72HL4-BDV		JKM580N-72HL4-BDV		JKM585N-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	565Wp	425Wp	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp
Maximum Power Voltage (Vmp)	42.14V	39.52V	42.29V	39.65V	42.44V	39.78V	42.59V	39.87V	42.74V	40.03V
Maximum Power Current (Imp)	13.41A	10.75A	13.48A	10.81A	13.55A	10.87A	13.62A	10.94A	13.69A	10.99A
Open-circuit Voltage (Voc)	50.87V	48.32V	51.07V	48.51V	51.27V	48.70V	51.47V	48.89V	51.67V	49.08V
Short-circuit Current (Isc)	14.19A	11.46A	14.25A	11.50A	14.31A	11.55A	14.37A	11.60A	14.43A	11.65A
Module Efficiency STC (%)	21.87%		22.07%		22.26%		22.45%		22.65%	

***STC:** Irradiance 1000W/m² Cell Temperature 25°C AM = 1.5
NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM = 1.5 Wind Speed 1m/s

*Power measurement tolerance: ±3%

The company reserves the final right for explanation on any of the information presented hereby. JKM565-585N-72HL4-BDV-F2-US

BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US

Jinko Solar

EXHIBIT C

NOISE

The Project shall be in compliance with the CTDEEP Regulations of Connecticut State Agencies (RCSA) Section 22a-69 ("Noise Standards"). The Project is located entirely on property owned by the City of Torrington. Surrounding uses are industrial and the majority of the property is surrounded by forested lands. The nearest residence is approximately 1,300 feet to the east of the Project at 1125 South Main Street, Torrington, CT.

The Noise Standards require that noise emitted by a Class B commercial use noise shall not exceed the levels in dBA (A-weighted decibels) as summarized in **Table 1** below. Daytime means 7:00 a.m. to 10:00 p.m. local time. Construction noise is exempt from the Noise Standards.

Table 1. RCSA Noise Zone Standards for Class B Emitter

Receptor C (Industrial)	Receptor B (Commercial)	Receptor A/Day (Residential)	Receptor A/Night (Residential)
62 dBA	62 dBA	55 dBA	45 dBA

The primary sources of noise generation associated with the proposed development will be the various pieces of equipment located in the equipment pad area, including a 2,000 kVA transformer collocated with twelve (12) inverters. The Project has a fixed-tilt array which does not have associated noise. A tabular summary of the sound-emitting equipment and the applicable manufacturer's sound data is provided below as **Table 2**. According to manufacturer's data for similar equipment, these will only operate during the daytime during power generation.

Table 2. Sound-emitting Equipment Summary

Equipment	Number of Collocated Sources	Listed Sound Pressure (dBA)	Distance of Observed Sound Level (meters)
Solis-(125-255)K-EHV-5G-US Inverters	12	68	1
2,000 kVA Transformer	1	61	10*

*Assumed 10 meters per NEMA testing standards

The primary component of the inverters that contributes to noise generation are the cooling fans. These fans operate as needed to cool the equipment based on several factors, and therefore the rate and noise generation fluctuate based on cooling needs. The equipment pad contains multiple pieces of equipment that are a source of sound which need to be added together to determine the combined sound level from all collocated equipment.

The logarithmic decibel scale is utilized to combine these various sound levels and adjust them for distance based on the Inverse Square Law and information provided by *EngineeringToolbox (2003) – Signals – Adding Decibels*.

Total sound pressure from the equipment pad area was calculated as shown below:

Combine Twelve (12) Inverters:

Add Multiple Sound Levels of equal Strength - $Lt = Ls + 10\log_{10}(n)$

Where:
Lt = Total sound level (dBA)
Ls = Sound Level from Each Source (dBA)
n = Number of Sources

$$Combined\ 12\ Inverters: Lt = 68 + 10\log_{10}(12) = 78.79\ dBA$$

Since the Inverter and Transformer sound data were measured by the manufacturers at different distances the sound data needs to be adjusted for the same difference for comparison. The following equation adjusts the sound emitted from the Inverters from 1 meter to 10 meters.

$$Lb = La - 20 \times \log_{10}(\frac{Db}{Da})$$

Where:
Lb = Noise level at new distance (dBA)
La = Noise level at original distance (dBA)
Db = New distance from source of noise (meters)
Da = Original distance from source of noise (meters)

$$Adjust\ Inverter\ Units\ for\ Distance: Lb = 78.79\ dBA - 20 \times \log_{10}\left(\frac{10m}{1m}\right) = 58.79\ dBA$$

Equipment Pad Combined

Add Multiple Sound Levels of Different Strength - $Lt = 10\log_{10}(10^{Da/10} + 10^{Db/10})$

Where:
Lt = Total sound level (dBA)
Da = Sound Level from Source A (dBA) (12 Inverters)
Db = Sound Level from Source B (dBA) (1 Transformer)

$$Combined\ Sound\ from\ Equipment\ Pad: Lt = 10\log_{10}(10^{58.79/10} + 10^{61/10}) = 63.04\ dBA$$

Calculate Anticipated Sound Level at Nearest Property Boundary

As shown in the civil site plan drawing set, the proposed equipment pads are centrally located on the parcel and setback from adjacent property lines. The western parcel boundary is the nearest property line and is approximately 207 meters (680 feet) from the equipment pad area. Using the same dampening equation described above, anticipated sound levels at this property line are as shown below:

$$Noise\ at\ Nearest\ Property\ Boundary\text{: } Lb = 63.04\ dBA - 20 \times \log_{10}\left(\frac{207m}{10m}\right) = 36.72\ dBA$$

Based on daytime only power generation equipment operation the computed sound levels at the nearest property boundary presented above, from the proposed equipment are in compliance of the Noise Standards. Furthermore, receptors in the vicinity of the Project Area are buffered from sound-emitting Project components by additional distance and forested area. There will be no nighttime sound generated from the Project as equipment will not operate at night. It should also be noted that the performed calculations do not account for additional sound dampening associated with trees, vegetation, structures, or other obstructions; therefore, the projected sound levels should be considered as a theoretical maximum.

EXHIBIT D

PECK BROOK
PENN POND
W-MJR-1
S-GAR-3
S-MJR-2
S-MJR-1
S-GAR-1
S-GAR-4
S-GAR-2
VISTA DRIVE
VISTA DRIVE
NAUGATUCK RIVER
MVAC
TORRINGTON, CT
LITCHFIELD, CT
MUNICIPAL BOUNDARY
APPROXIMATE LIMITS OF RCRA SUBTITLE D CLOSURE
100' CONNECTICUT POWER COMPANY EASEMENT
N/F NEW YORK, NEW HAVEN AND HARTFORD RAILWAY COMPANY
SOUTH MAIN STREET

LEGEND

- SURVEYED PROPERTY BOUNDARY
- APPROXIMATE ABUTTING PROPERTY BOUNDARY
- FIELD DELINEATED WETLAND
- NWI MAPPED WETLAND
- FIELD DELINEATED EPHEMERAL STREAM
- FIELD DELINEATED INTERMITTENT STREAM
- NWI MAPPED WATERBODY
- PROPOSED GRAVEL ACCESS
- PROPOSED CONCRETE EQUIPMENT PAD
- PROPOSED TREE LINE/CLEARING LIMITS
- PROPOSED CHAIN LINK FENCE
- OE — PROPOSED OVERHEAD ELECTRIC LINE AND POLE
- MVAC — PROPOSED MV ABOVEGROUND ELECTRIC LINE
- LVDC — PROPOSED LV ABOVEGROUND ELECTRIC LINE
- PROPOSED FIXED-TILT BALLASTED ARRAY
- 1 — PHOTO LOCATIONS

N

0 300

SCALE IN FEET

TRC
21 Griffin Road North
Windsor, CT 06095
Phone: 860.298.9692
www.trccompanies.com

PROJECT:
UNITED STATES SOLAR CORPORATION
USS TORRINGTON SOLAR LLC
PROPOSED 1.998 MW-AC SOLAR ARRAY
105 VISTA DR, TORRINGTON, LITCHFIELD COUNTY, CT

TITLE:
PHOTO LOCATION MAP

DRAWN BY:	TRC/ARD
CHECKED BY:	ASW
APPROVED BY:	ASW
DATE:	DECEMBER 2023
PROJ. NO.:	490953.0000
FILE:	Photo Log Site Plan.dwg

FIGURE 1

11x17 -- USER: ADewitt -- ATTACHED XREFS: -- ATTACHED IMAGES:
DRAWING NAME: \\AUGUSTA-VFP2\Environmental\RMD\ENV RMD Projects\US Solar\490953-USS Torrington\06-Drafts\Siting Council\Response\ Photo Log Site Plan.dwg -- PLOT DATE: December 14, 2023 - 3:54PM -- LAYOUT: 11X17L

Version: 2017-10-21

Photo No. 1

Date: August 2022
(Google Street View image capture date)

Description:
View looking west at Project Site from nearest residence at 1125 South Main Street, Torrington, CT. Proposed development is located beyond treeline. Residence is located across South Main Street from the 1002 South Main Corporation.

Location Map:

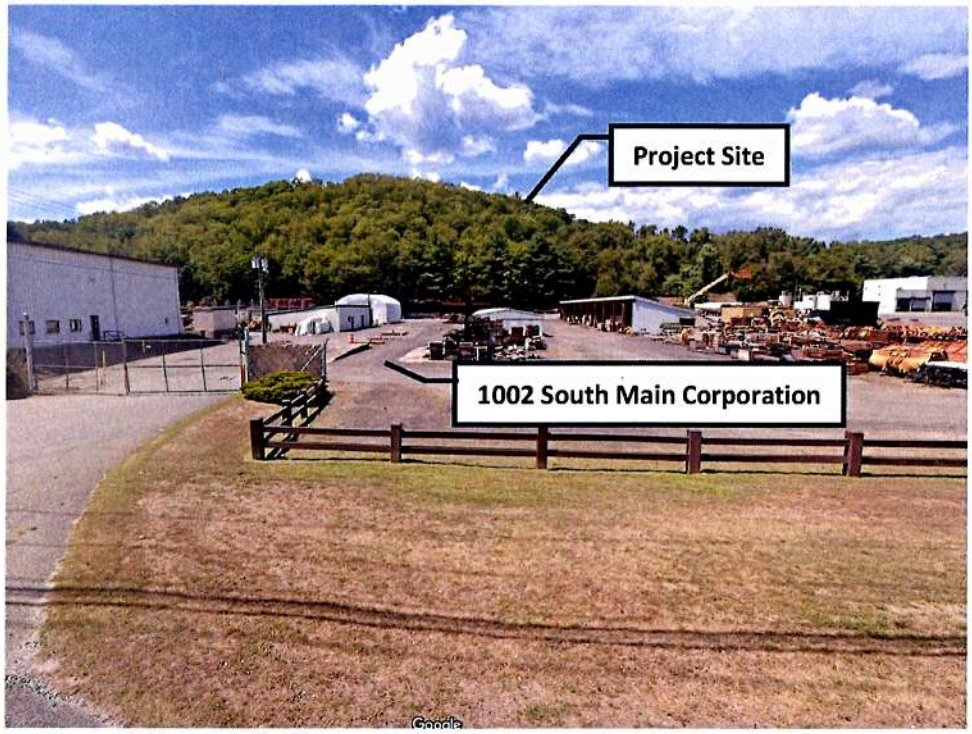


Photo No. 2

Date: August 2022
(Google Street View image capture date)

Description:
View looking west at Project Site from South Main Street. O&G Industries Inc. properties are in the foreground with the Project Site in the background.

Location Map:

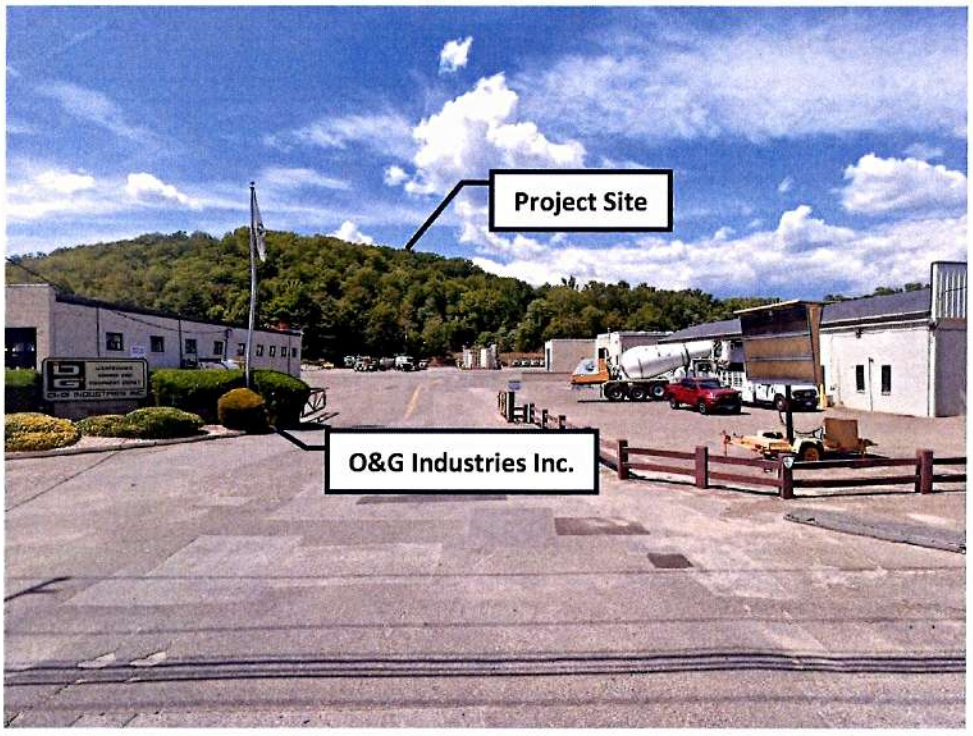


Photo No. 3

Date: October 2020
(Google Street View image capture date)

Description:
View looking west down Vista Drive from South Main Street. South Main Street Properties LLC is in the foreground on the left with the Project Site in the background.

Location Map:

Photo No. 4

Date: August 2022
(Google Street View image capture date)

Description:
View looking west from Vista Drive. The railroad crossing is in the foreground and the Project Site entrance and gate in the background.

Location Map:

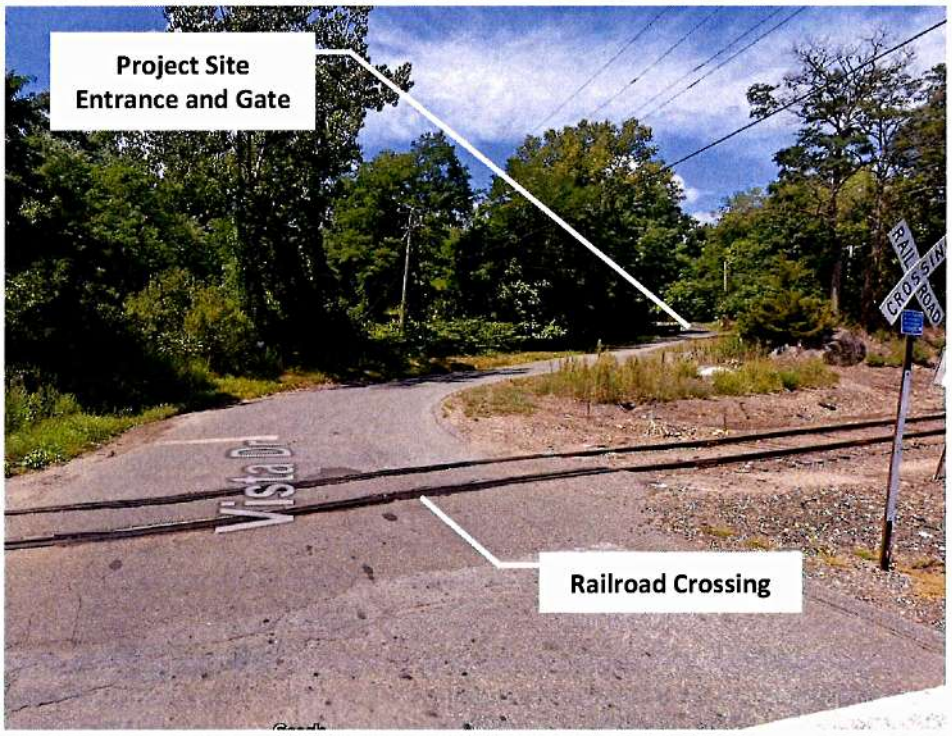


Photo No. 5

Date: August 2022
(Google Street View image capture date)

Description:
View looking southwest down Vista Drive towards the proposed point of interconnection. Selective tree clearing will occur within a 25-foot-wide corridor where the proposed overhead electric line travels from the point of interconnection to the site access road.

Location Map:

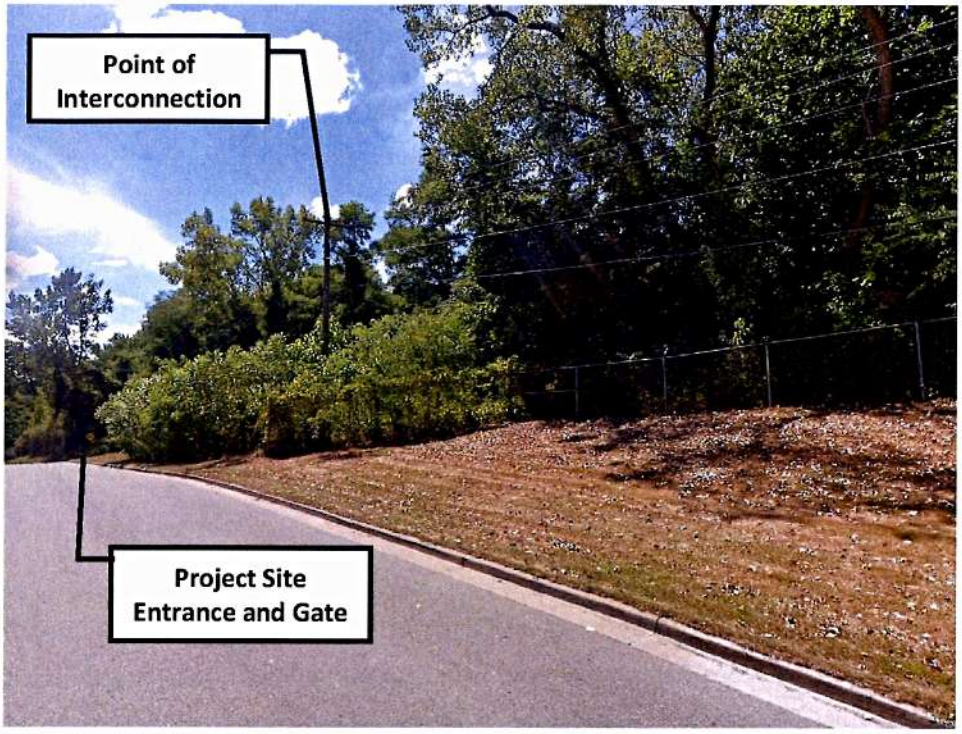


Photo No. 6

Date: April 6, 2023

Description:
View looking west at existing 36" RCP outlet where stream S-GAR-2 discharges.

Location Map:

Photo No. 7

Date: April 6, 2023

Description:
View looking east at 5'W x 5.5'H stone masonry box culvert which routes stream S-GAR-2 under railroad and off the Project Site.

Location Map:

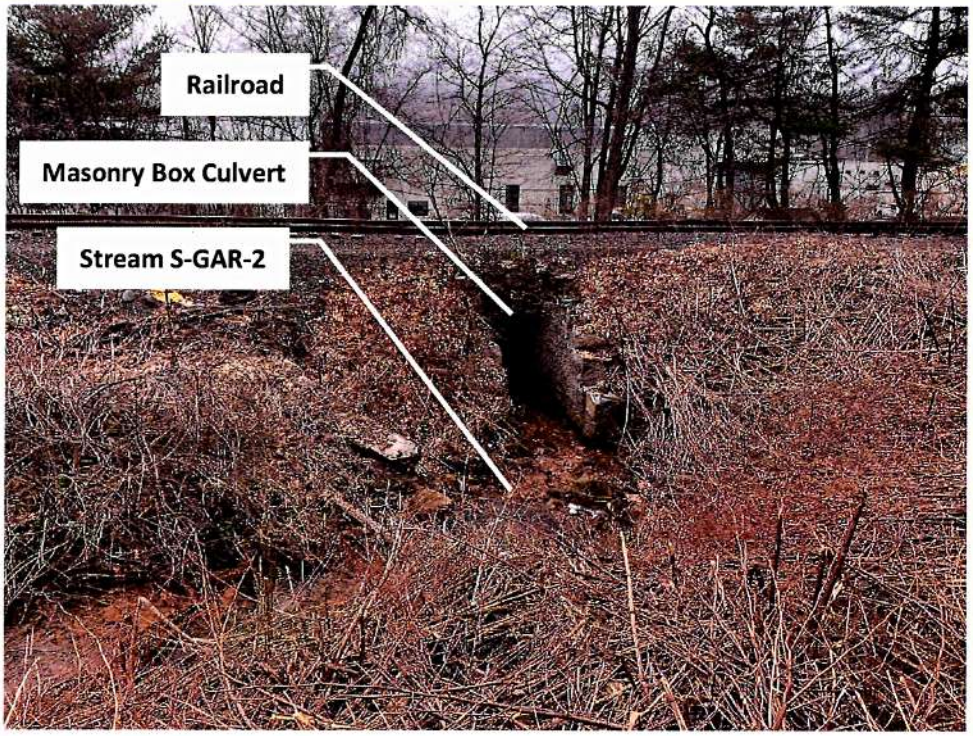


Photo No. 8

Date: April 6, 2023

Description:
View looking north from Vista Drive at the Project Site entrance, gate, and existing access drive.

Location Map:

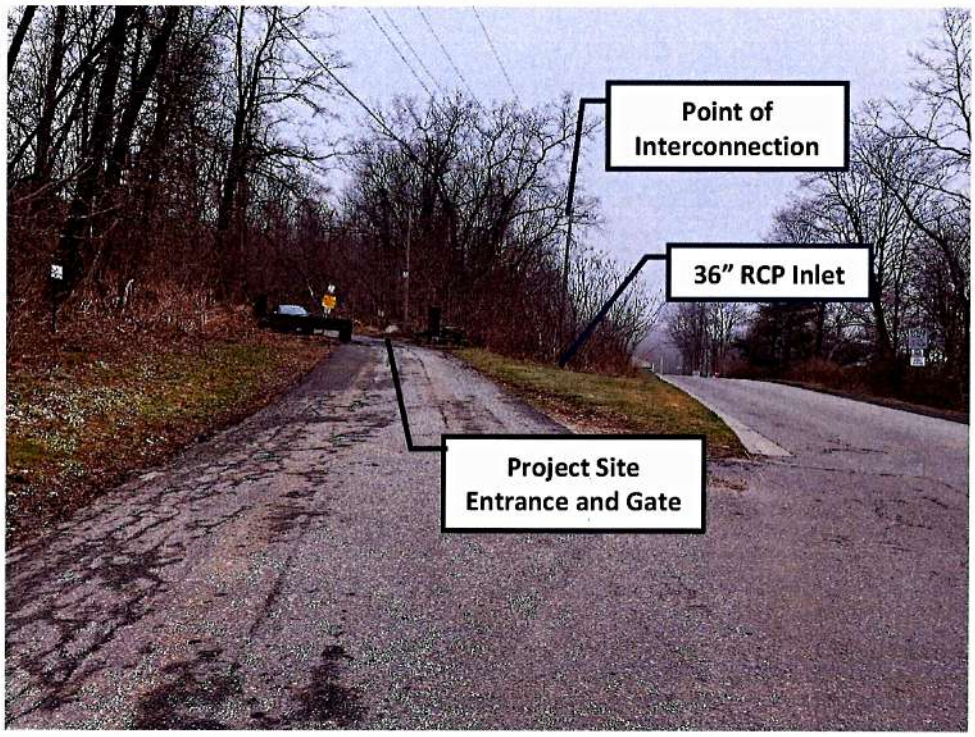
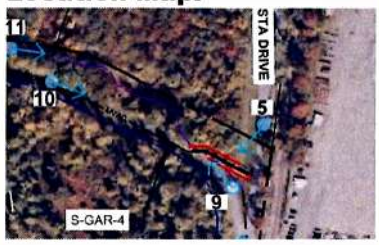


Photo No. 9

Date: April 6, 2023

Description:
View looking northwest up delineated intermittent stream S-GAR-2 from the site access drive. This photo depicts the condition of the stream at the location where the proposed overhead electric line will span the stream. Selective tree clearing is proposed at this location with grubbing limited to the maximum extent practical.

Location Map:



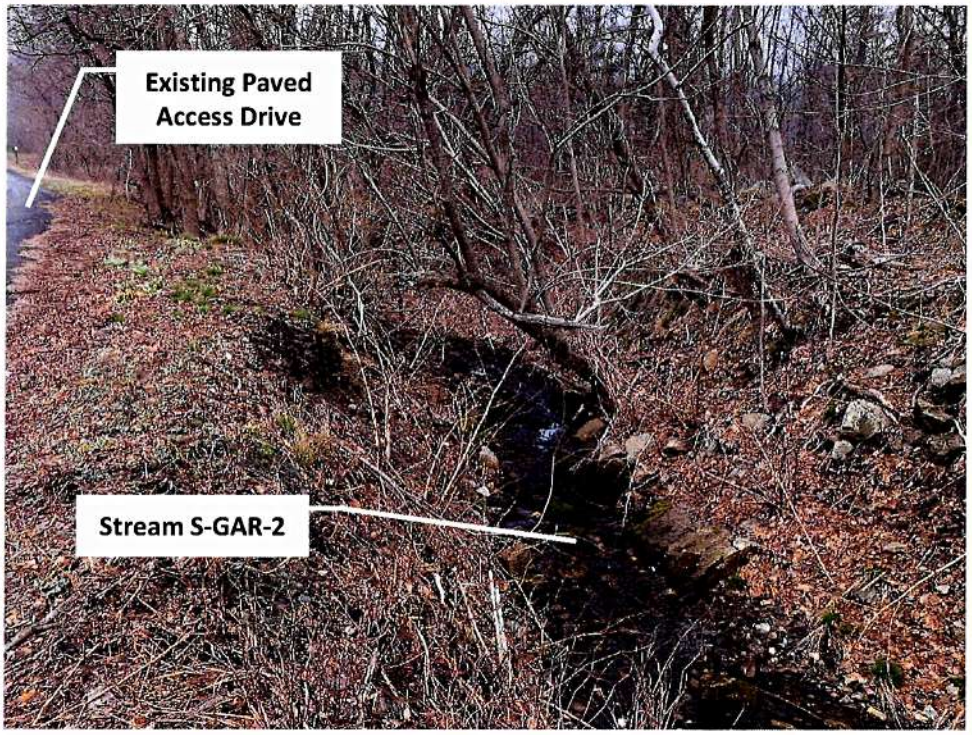


Photo No. 10

Date: April 6, 2023

Description:
View looking east towards site entrance from existing paved access drive. For reference, stream S-GAR-1 is called out where it is located in the wooded area to the north of the road.

Location Map:

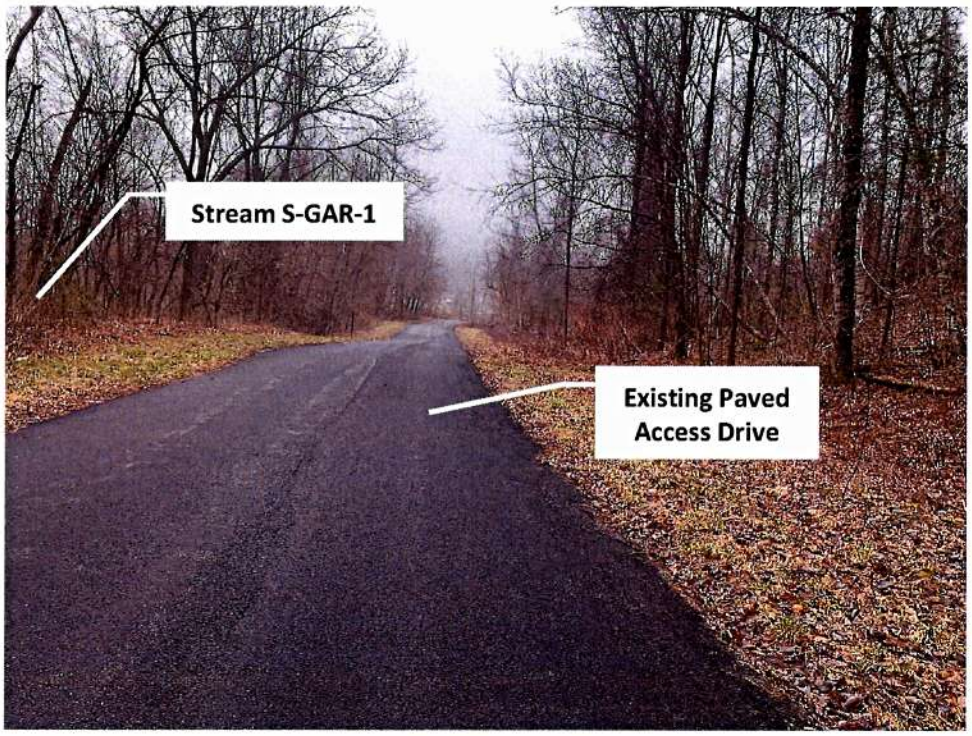
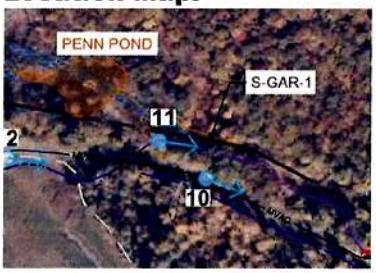


Photo No. 11

Date: April 6, 2023

Description:
View looking east down delineated intermittent stream S-GAR-1 from the outlet of the existing 24" RCP. For reference, the paved access road is called out to the south of the treeline.

Location Map:



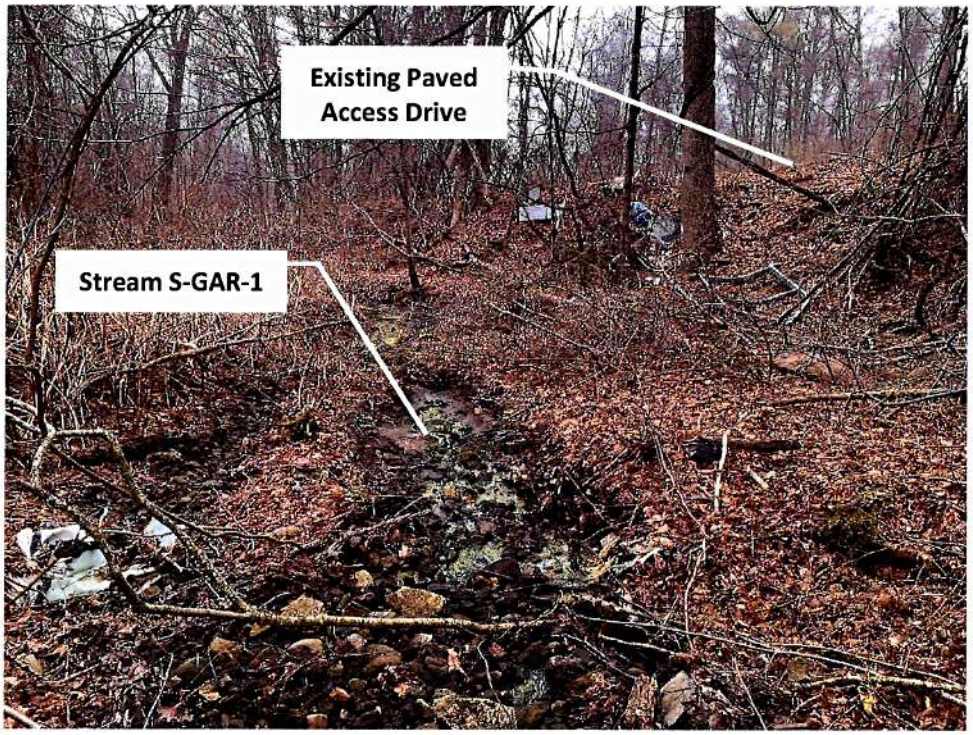
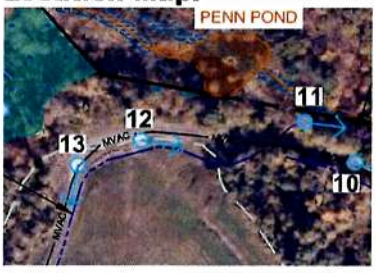


Photo No. 12

Date: April 6, 2023

Description:
View looking east from northern end of MSW landfill towards existing rip rap swales (delineated ephemeral stream S-GAR-3) and the 24" RCP inlet.

Location Map:



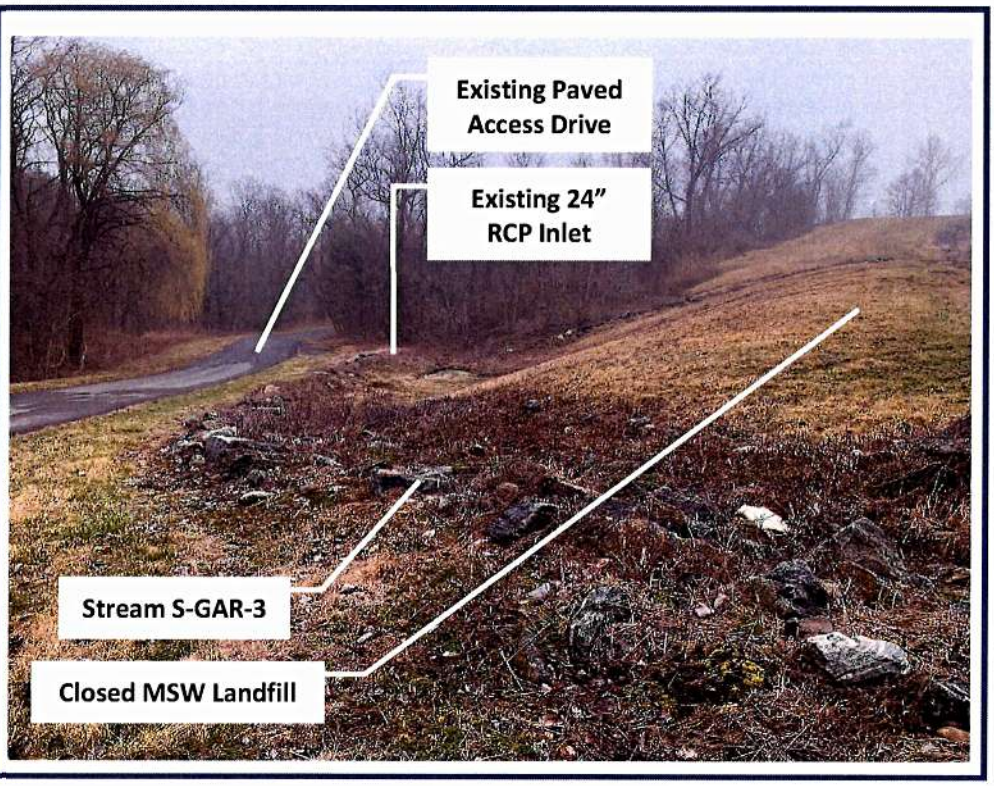
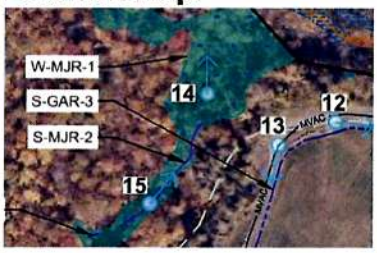


Photo No. 13

Date: April 6, 2023

Description:
View looking south up existing gravel access drive. The closed MSW landfill shown to the east of the access drive has steeper terrain which is outside the limits of the proposed solar array.

Location Map:



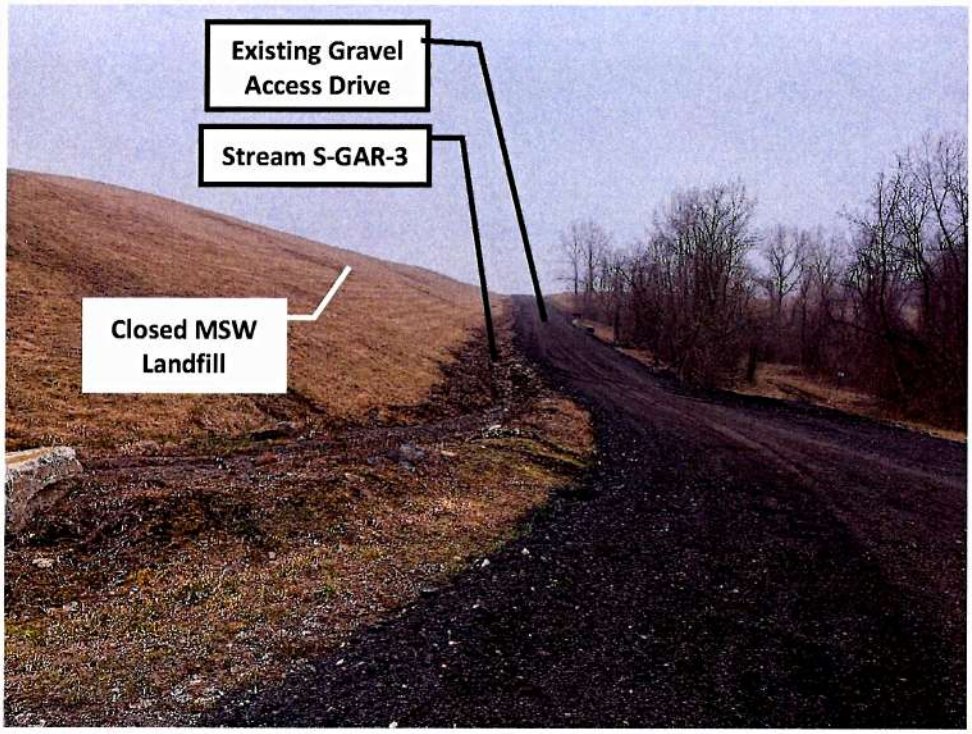
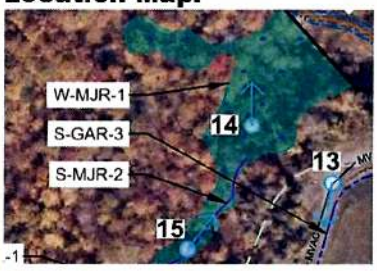


Photo No. 14

Date: December 8, 2022

Description:
View looking north at delineated wetland W-MJR-1.

Location Map:



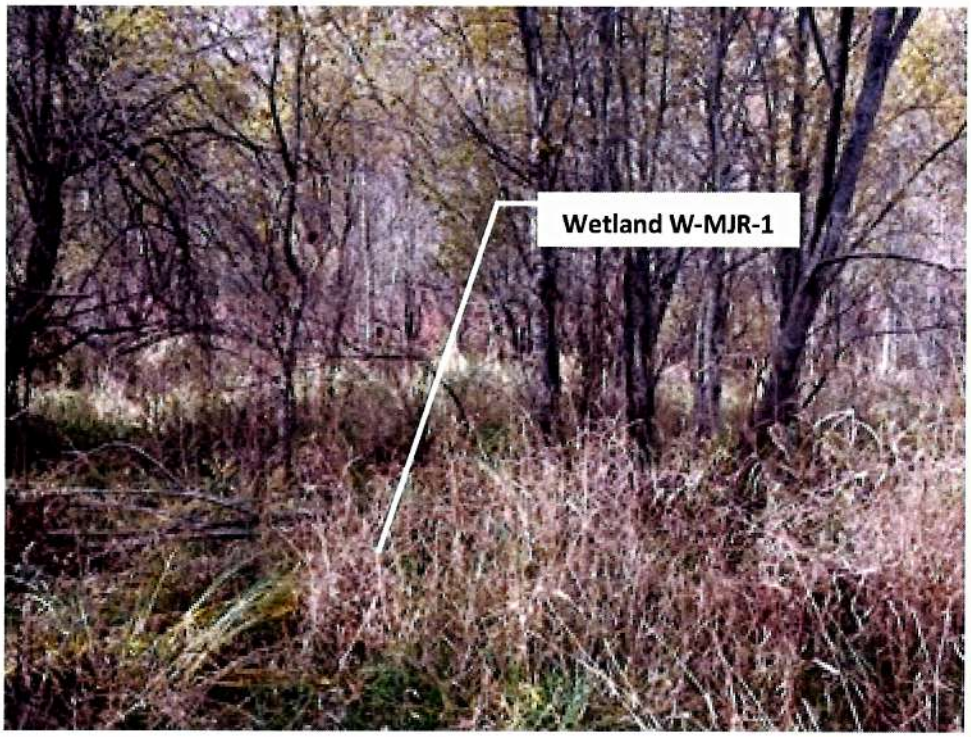


Photo No. 15

Date: December 8, 2022

Description:
View looking northeast down delineated intermittent stream S-MJR-2.

Location Map:

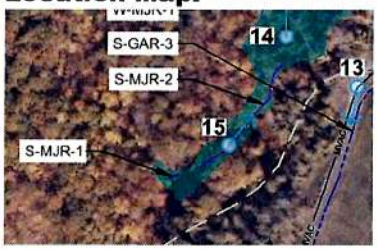


Photo No. 16

Date: April 6, 2023

Description:
View looking north down existing gravel access drive. Closed MSW landfill is shown on both sides of the drive. These portions of the landfill consist of steeper side slopes and are outside the limits of the proposed solar array.

Location Map:

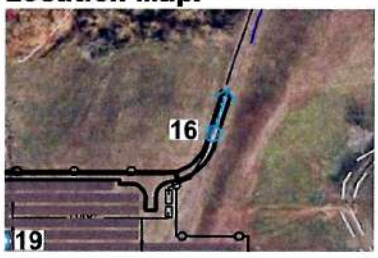
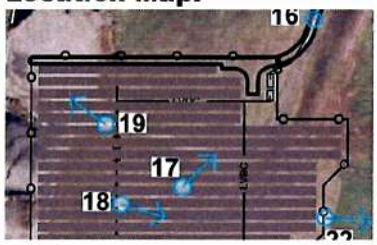


Photo No. 17

Date: April 6, 2023

Description:
View looking northeast at existing gravel access drive and closed MSW landfill. This portion of the existing drive is going to be decommissioned and a new gravel drive will be constructed just north of it with the vehicle turnaround and equipment pads. Solar array field will be located on the closed landfill in the foreground.

Location Map:



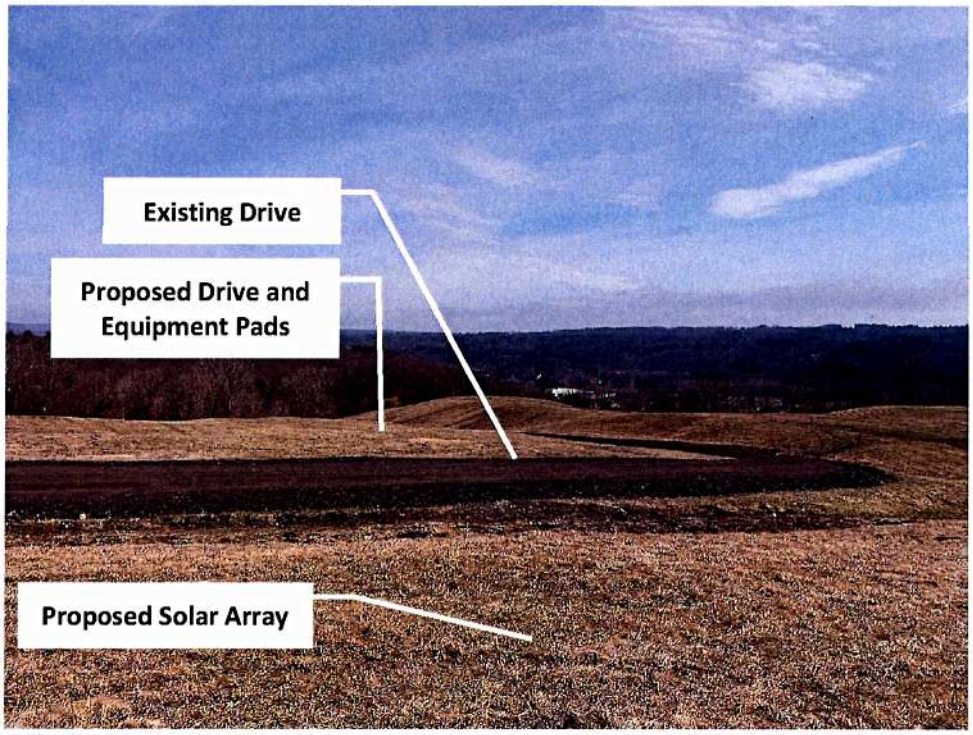
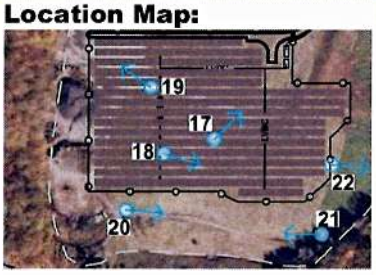


Photo No. 18

Date: April 6, 2023

Description:
View looking east across closed MSW landfill. Proposed solar array is in the foreground and closed metal hydroxide disposal area is in the background which is outside the limits of the proposed solar array.

Location Map:



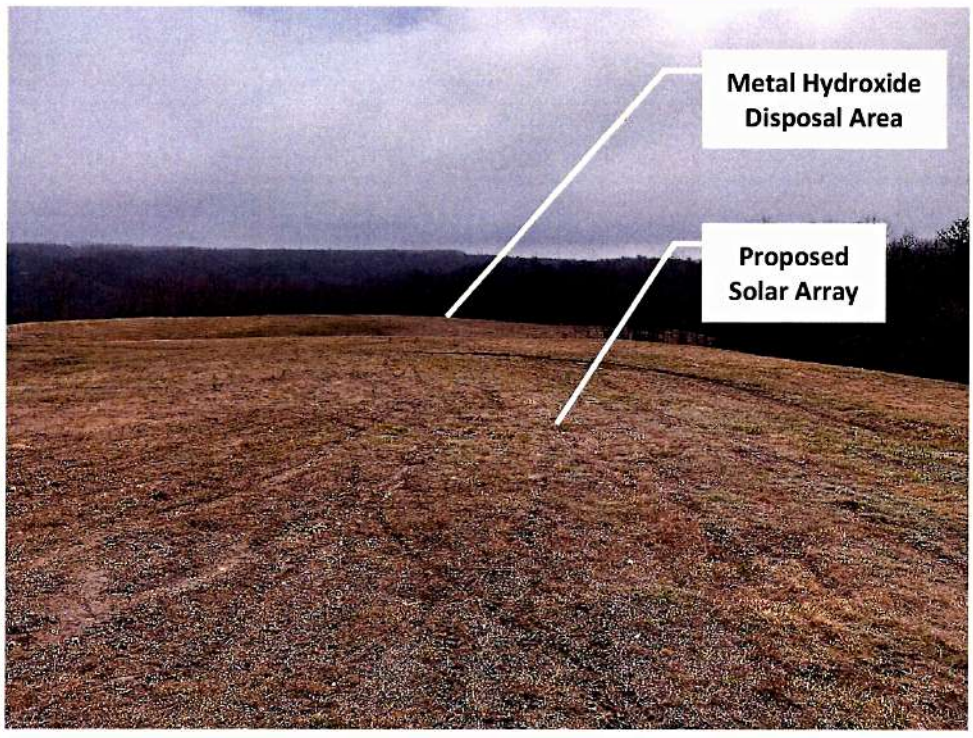
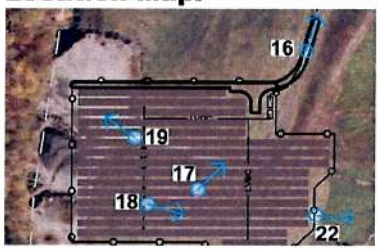


Photo No. 19

Date: April 6, 2023

Description:
View looking northwest at existing stockpile area. The proposed access drive will continue to this location to provide continued access to the City of Torrington. The area in the foreground will be used for the proposed solar array.

Location Map:



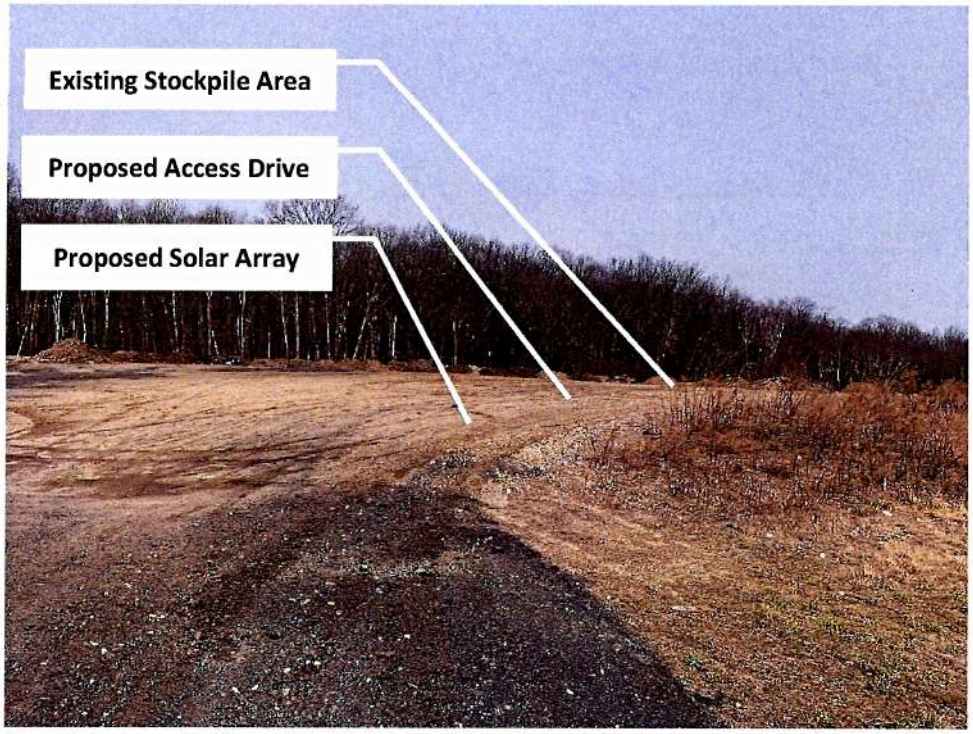
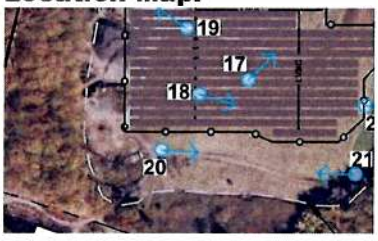


Photo No. 20

Date: April 6, 2023

Description:
View looking east down existing access drive which travels down to the metal hydroxide disposal area which is out of view. The top slopes of the closed MSW landfill to the north will be used for the proposed solar array.

Location Map:



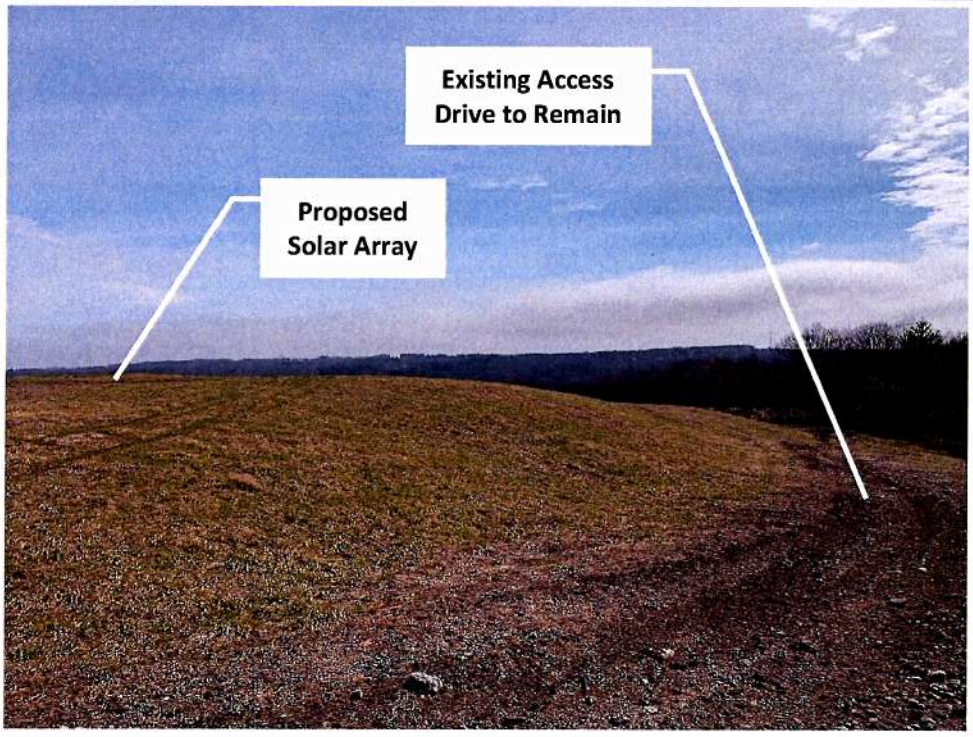
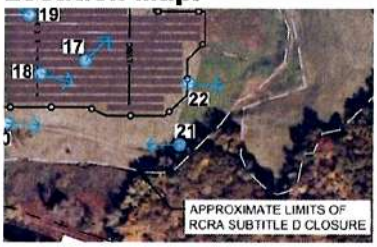


Photo No. 21

Date: April 6, 2023

Description:
View looking west down existing access drive with CT Power Company transmission line corridor to the south and closed MSW landfill to the north. The side slopes of the landfill shown are outside the limits of the proposed solar array.

Location Map:



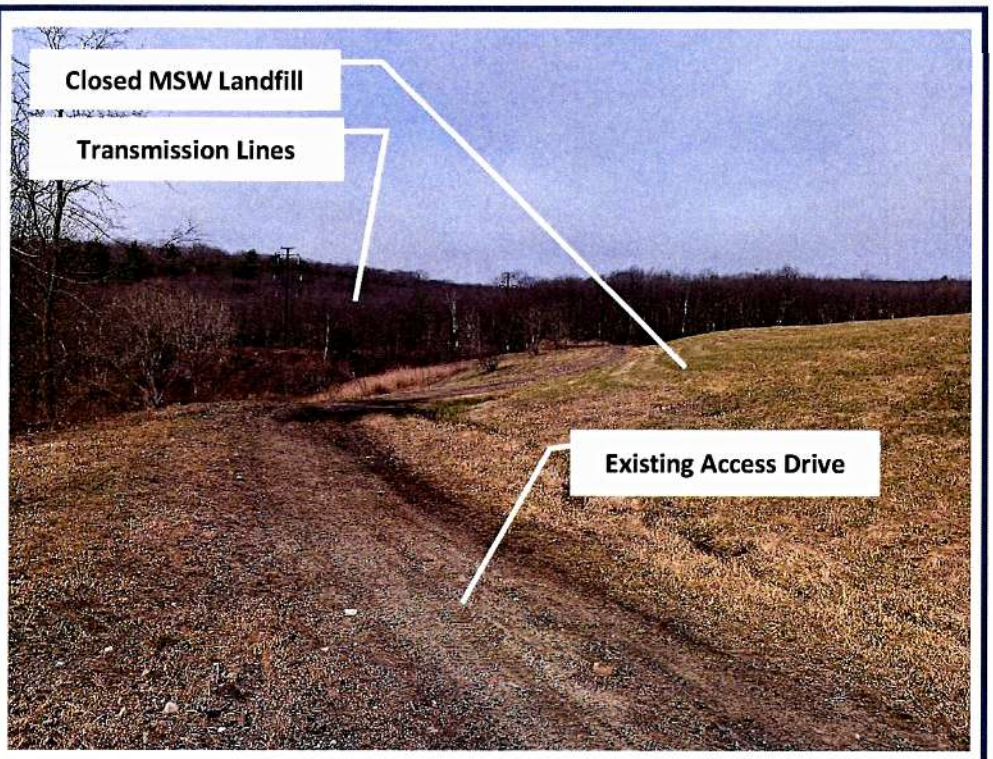
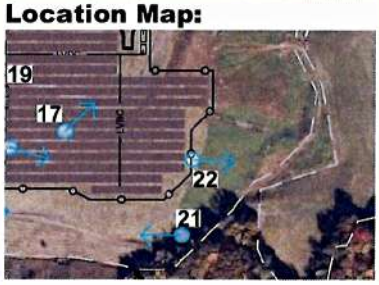


Photo No. 22

Date: April 6, 2023

Description:
View looking east at the metal hydroxide disposal area from the western limits of the proposed solar array.

Location Map:



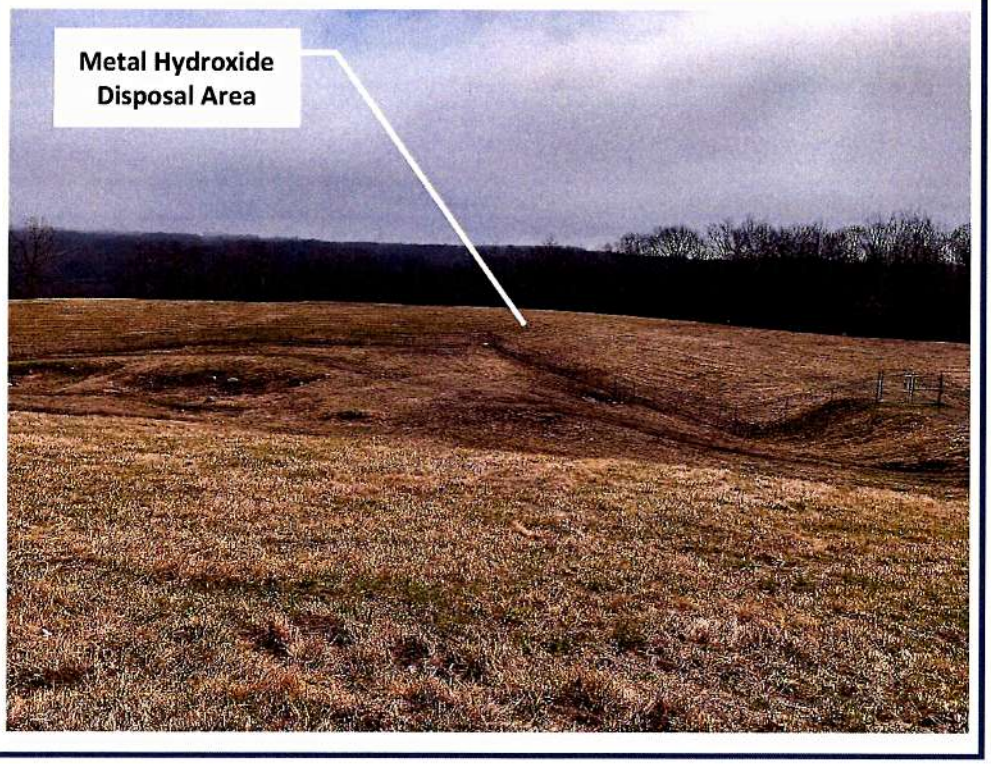


EXHIBIT E

230920340938

中国认可
检测
TESTING
CNAS L0599

TEST REPORT

CLIENT DETAILS		LABORATORY DETAILS	
Contact	-	Manager	SGS-CSTC
Client	JINKO SOLAR CO.,LTD	Laboratory	Environment Laboratory
Address	CHINA	Address	2/F, 3RD BUILDING NO. 889, YISHAN ROAD, XUHUI DISTRICT, SHANGHAI, CHINA
Telephone	-	Telephone	+86 (21) 6140 2666-2002
Facsimile	-	Facsimile	+86 (21) 6115 2164
Email	-	Email	REPORT.ENV @SGS.COM
Order Number	-	Report Number	SHE23-04901 R1
Samples	Solid waste(1)	SGS Reference	0000283215
Project	-	Date Reported	2023/08/31
		Analysis Date	2023/08/21 - 2023/08/31

COMMENTS

1.The results apply to the sample(s) as received.
2.The report is translated from SHE23-04901 R0.

SIGNATORIES

Reported by	Reviewed by	Approved by
窦卓文	刘真	唐攀瑶

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

声明
Statement

1. 检测报告无本实验室检验检测专用章无效。

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

2. 未经本公司书面许可，不得复制 (全文复制除外) 检测报告。

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

3. 检测报告无编制、审核、批准人签字无效。

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

4. 检测报告涂改无效。

   The test report is invalid if altered.

5. 本检测报告以中文为准，英文文本（如有）仅为译文，两者发生冲突时，应以中文文本为准。

   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. 送检样品的样品类型、样品名称、样品描述、项目名称等信息由客户提供，样品的代表性和真实性由委托人负责。

   The sample type, sample name, sample description, project name and other information of the submitted samples are provided by the client. The representativeness and authenticity of the samples are in the charge of the client.

7. 如未加盖CMA章则仅供内部参考，不具有对社会的证明作用。

   The report is for internal reference only if it is not stamped with CMA mark, it has no proof function to the society.

8. 如对本检测报告有异议，请在收到报告10天之内与本公司联系。

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

符号表/Legend

"-" 未测试该参数或不适用/The parameter is not tested or not applicable

↑ 提高检出限/Detection limit raised

↓ 降低检出限/Detection limit lowered

ND 未检出/Not Detected

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Parameter	Method	Units	MDL	Limit	Testing Results
			Sample Number		23-04901.001
			Sample Name		JKMxxxN-72HL4-BDV
			Test Object		Solid waste
			Sample Description		SHES2308015982TX
			Receive Date		2023/08/21
Arsenic (As)	USEPA 200.8	mg/L	0.050	≤5	ND
Barium (Ba)	USEPA 200.8	mg/L	0.010	≤100	ND
Cadmium (Cd)	USEPA 200.8	mg/L	0.001	≤1	ND
Chromium (Cr)	USEPA 200.8	mg/L	0.010	≤5	ND
Lead (Pb)	USEPA 200.8	mg/L	0.010	≤5	**0.025**
Selenium (Se)	USEPA 200.8	mg/L	0.050	≤1	ND
Silver (Ag)	USEPA 200.8	mg/L	0.010	≤5	**0.053**
Mercury (Hg)	USEPA 7473	mg/L	0.005	≤0.2	ND
Benzene	USEPA 8260D	mg/L	0.0005	≤0.5	ND
Carbon tetrachloride	USEPA 8260D	mg/L	0.0005	≤0.5	ND
Chlorobenzene	USEPA 8260D	mg/L	0.0005	≤100	ND
Chloroform	USEPA 8260D	mg/L	0.0005	≤6	ND
1,4-Dichlorobenzene	USEPA 8260D	mg/L	0.0005	≤7.5	ND
1,2-Dichloroethane	USEPA 8260D	mg/L	0.0005	≤0.5	ND
1,1-Dichloroethene	USEPA 8260D	mg/L	0.0005	≤0.7	ND
2-butanone(MEK)	USEPA 8260D	mg/L	0.020	≤200	ND
Tetrachloroethene	USEPA 8260D	mg/L	0.0005	≤0.7	ND
Trichloroethene	USEPA 8260D	mg/L	0.0005	≤0.5	ND
Vinyl chloride	USEPA 8260D	mg/L	0.0005	≤0.2	ND
2-Methylphenol	USEPA 8270E	mg/L	0.0005	-	ND
3&4-Methylphenol	USEPA 8270E	mg/L	0.0005	-	ND
Methylphenol [1]	USEPA 8270E	mg/L	0.001	≤200	ND
2,4-Dinitrotoluene	USEPA 8270E	mg/L	0.0005	≤0.13	ND
Hexachlorobenzene	USEPA 8270E	mg/L	0.0005	≤0.13	ND
Hexachlorobutadiene	USEPA 8270E	mg/L	0.0005	≤0.5	ND
Hexachloroethane	USEPA 8270E	mg/L	0.0005	≤3	ND
Nitrobenzene	USEPA 8270E	mg/L	0.0005	≤2	ND
Pentachlorophenol	USEPA 8270E	mg/L	0.0025	≤100	ND
Pyridine	USEPA 8270E	mg/L	0.002	≤5.0	ND
2,4,5-Trichlorophenol	USEPA 8270E	mg/L	0.0005	≤400	ND
2,4,6-Trichlorophenol	USEPA 8270E	mg/L	0.0005	≤2	ND
Endrin	USEPA 8270E	mg/L	0.0005	≤0.02	ND
γ-BHC	USEPA 8270E	mg/L	0.0005	≤0.4	ND
Toxaphene	USEPA 8270E	mg/L	0.050	≤0.5	ND
α-Chlordane	USEPA 8270E	mg/L	0.0005	-	ND
γ-Chlordane	USEPA 8270E	mg/L	0.0005	-	ND
Chlordane(Total) [2]	USEPA 8270E	mg/L	0.001	≤0.03	ND
Methoxychlor	USEPA 8270E	mg/L	0.0005	≤10	ND
Heptachlor	USEPA 8270E	mg/L	0.0005	≤0.008	ND
2,4-D*	USEPA 8151A	mg/L	0.0005	≤10	ND
2,4,5-TP (Silvex, Fenopop)	USEPA 8151A	mg/L	0.0005	≤1	ND

Remark:

1.Methylphenol are the sum of 2-Methylphenol and 3&4-Methylphenol.

2.Chlordane(Total) are the sum of α-Chlordane and γ-Chlordane.

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

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

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Method List

USEPA 200.8-1994 Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry
USEPA 7473-2007 Metals-Hg
USEPA 8260D-2018 VOCs
USEPA 8270E-2018 SVOCs
USEPA 8151A-1996 Acid Herbicides in Water by GC-MS

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

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

Method:USEPA 8260D-2018

Equipment Name	Model	Equipment Number	Serial Number
PT-GC-MS	Atomx XYZ/7890B/5977A	CHEM-ENV091	CA20247008/CN13313013/US1330M207

Method:USEPA 8270E-2018

Equipment Name	Model	Equipment Number	Serial Number
GC-MS	Agilent 7890B/5977A	CHEM-1118	CN18053182/US1805M023

Method:USEPA 8270E-2018

Equipment Name	Model	Equipment Number	Serial Number
GC-MS	Agilent 7890B/5977A	CHEM-1118	CN18053182/US1805M023

Method:USEPA 8151A-1996

Equipment Name	Model	Equipment Number	Serial Number
GC-MS	Agilent6890N/5973i	CHEM-126	US144004/CN10539052/US52411034

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Method Blank(MB)

Parameter	Batch ID	Unit	MDL	MB	Control Range
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994					
Arsenic (As)	LB2330310	mg/L	0.050	<0.050	<0.050
Barium (Ba)	LB2330310	mg/L	0.010	<0.01	<0.010
Cadmium (Cd)	LB2330310	mg/L	0.001	<0.001	<0.001
Chromium (Cr)	LB2330310	mg/L	0.010	<0.01	<0.010
Lead (Pb)	LB2330310	mg/L	0.010	<0.01	<0.010
Selenium (Se)	LB2330310	mg/L	0.050	<0.05	<0.050
Silver (Ag)	LB2330310	mg/L	0.010	<0.010	<0.010
Metals-Hg Method: USEPA 7473-2007					
Mercury (Hg)	LB2329559	mg/L	0.005	<0.005	<0.005
Acid Herbicides in Water by GC-MS Method: USEPA 8151A-1996					
2,4-D	LB2330408	mg/L	0.0005	<0.0005	<0.0005
2,4,5-TP (Silvex, Fenopop)	LB2330408	mg/L	0.0005	<0.0005	<0.0005
VOCs Method: USEPA 8260D-2018					
Benzene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
Carbon tetrachloride	LB2330280	mg/L	0.0005	<0.0005	<0.0005
Chlorobenzene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
Chloroform	LB2330280	mg/L	0.0005	<0.0005	<0.0005
1,4-Dichlorobenzene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
1,2-Dichloroethane	LB2330280	mg/L	0.0005	<0.0005	<0.0005
1,1-Dichloroethene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
2-butanone(MEK)	LB2330280	mg/L	0.020	<0.020	<0.020
Tetrachloroethene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
Trichloroethene	LB2330280	mg/L	0.0005	<0.0005	<0.0005
Vinyl chloride	LB2330280	mg/L	0.0005	<0.0005	<0.0005
SVOCs Method: USEPA 8270E-2018					
2-Methylphenol	LB2330237	mg/L	0.0005	<0.0005	<0.0005
3&4-Methylphenol	LB2330237	mg/L	0.0005	<0.0005	<0.0005
2,4-Dinitrotoluene	LB2330237	mg/L	0.0005	<0.0005	<0.0005
Hexachlorobenzene	LB2330237	mg/L	0.0005	<0.0005	<0.0005
Hexachlorobutadiene	LB2330237	mg/L	0.0005	<0.0005	<0.0005
Hexachloroethane	LB2330237	mg/L	0.0005	<0.0005	<0.0005
Nitrobenzene	LB2330237	mg/L	0.0005	<0.0005	<0.0005
Pentachlorophenol	LB2330237	mg/L	0.0025	<0.0025	<0.0025

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Method Blank(MB)

Parameter	Batch ID	Unit	MDL	MB	Control Range
SVOCs Method: USEPA 8270E-2018 (continued)					
Pyridine	LB2330237	mg/L	0.002	<0.002	<0.002
2,4,5-Trichlorophenol	LB2330237	mg/L	0.0005	<0.0005	<0.0005
2,4,6-Trichlorophenol	LB2330237	mg/L	0.0005	<0.0005	<0.0005
SVOCs Method: USEPA 8270E-2018					
Endrin	LB2330238	mg/L	0.0005	<0.0005	<0.0005
γ-BHC	LB2330238	mg/L	0.0005	<0.0005	<0.0005
Toxaphene	LB2330238	mg/L	0.050	<0.050	<0.050
α-Chlordane	LB2330238	mg/L	0.0005	<0.0005	<0.0005
γ-Chlordane	LB2330238	mg/L	0.0005	<0.0005	<0.0005
Methoxychlor	LB2330238	mg/L	0.0005	<0.0005	<0.0005
Heptachlor	LB2330238	mg/L	0.0005	<0.0005	<0.0005

The evaluation of Method Blanks (MB): All results of MB on this batch are lower than method detection limits, which meet the acceptance criteria of lab quality control.

Laboratory Control Sample(LCS)

LCS Recovery%= Result*100/ Reference Value.

Parameter	Batch ID	Unit	MDL	Result	Ref. Value	Recovery%	Control Range Lower	Control Range Upper
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994								
Arsenic (As)	LB2330310	mg/L	0.050	0.203	0.2	102	80%	120%
Barium (Ba)	LB2330310	mg/L	0.010	0.228	0.2	114	80%	120%
Cadmium (Cd)	LB2330310	mg/L	0.001	0.222	0.2	111	80%	120%
Chromium (Cr)	LB2330310	mg/L	0.010	0.215	0.2	108	80%	120%
Lead (Pb)	LB2330310	mg/L	0.010	0.204	0.2	102	80%	120%
Selenium (Se)	LB2330310	mg/L	0.050	0.173	0.2	86.5	80%	120%
Silver (Ag)	LB2330310	mg/L	0.010	0.222	0.2	111	80%	120%
Metals-Hg Method: USEPA 7473-2007								
Mercury (Hg)	LB2329559	mg/L	0.005	<0.005	0.001	92.2	80%	120%
Acid Herbicides in Water by GC-MS Method: USEPA 8151A-1996								
2,4-D	LB2330408	mg/L	0.0005	0.0008	0.001	75.0	70%	130%
2,4,5-TP (Silvex, Fenopop)	LB2330408	mg/L	0.0005	0.0007	0.001	72.0	70%	130%
VOCs Method: USEPA 8260D-2018								
Benzene	LB2330280	mg/L	0.0005	0.0218	0.02	109	70%	130%

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Laboratory Control Sample(LCS)

LCS Recovery%= Result*100/ Reference Value.

Parameter	Batch ID	Unit	MDL	Result	Ref. Value	Recevory%	Control Range Lower	Control Range Upper
VOCs Method: USEPA 8260D-2018 (continued)								
Carbon tetrachloride	LB2330280	mg/L	0.0005	0.0175	0.02	87.7	70%	130%
Chlorobenzene	LB2330280	mg/L	0.0005	0.0205	0.02	103	70%	130%
Chloroform	LB2330280	mg/L	0.0005	0.0189	0.02	94.7	70%	130%
1,4-Dichlorobenzene	LB2330280	mg/L	0.0005	0.0189	0.02	94.6	70%	130%
1,2-Dichloroethane	LB2330280	mg/L	0.0005	0.0169	0.02	84.3	70%	130%
1,1-Dichloroethene	LB2330280	mg/L	0.0005	0.0170	0.02	85.0	70%	130%
2-butanone(MEK)	LB2330280	mg/L	0.020	<0.02	0.02	81.3	70%	130%
Tetrachloroethene	LB2330280	mg/L	0.0005	0.0223	0.02	111	70%	130%
Trichloroethene	LB2330280	mg/L	0.0005	0.0216	0.02	108	70%	130%
Vinyl chloride	LB2330280	mg/L	0.0005	0.0178	0.02	89.2	70%	130%
SVOCs Method: USEPA 8270E-2018								
2-Methylphenol	LB2330237	mg/L	0.0005	0.0044	0.005	88.0	30%	144%
3&4-Methylphenol	LB2330237	mg/L	0.0005	0.0090	0.01	89.6	30%	141%
2,4-Dinitrotoluene	LB2330237	mg/L	0.0005	0.0044	0.005	87.6	46%	140%
Hexachlorobenzene	LB2330237	mg/L	0.0005	0.0045	0.005	89.8	61%	127%
Hexachlorobutadiene	LB2330237	mg/L	0.0005	0.0042	0.005	83.8	10%	111%
Hexachloroethane	LB2330237	mg/L	0.0005	0.0045	0.005	89.8	38%	131%
Nitrobenzene	LB2330237	mg/L	0.0005	0.0040	0.005	79.0	25%	133%
Pentachlorophenol	LB2330237	mg/L	0.0025	0.0208	0.025	83.3	35%	130%
Pyridine	LB2330237	mg/L	0.002	0.004	0.005	77.0	10%	200%
2,4,5-Trichlorophenol	LB2330237	mg/L	0.0005	0.0038	0.005	76.4	40%	140%
2,4,6-Trichlorophenol	LB2330237	mg/L	0.0005	0.0040	0.005	79.6	40%	140%

The evaluation of recoveries for Laboratory Control Samples (LCS): All recoveries of LCS on this batch are in the controlled range, which meet the acceptance criteria of lab quality control.

Laboratory Duplicate(DUP)

Relative deviation(RD)%=|Sample Result -Duplicate Result|*100/(Sample Result +Duplicate Result).

Parameter	Sample ID	Unit	MDL	Sample Result	Duplicate Result	RD%	RD Control Range%	Sur Control Range
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994								
Arsenic (As)	SHE23-04901.001	mg/L	0.050	<0.05	<0.05	0.0	≤20	-
Barium (Ba)	SHE23-04901.001	mg/L	0.010	<0.01	<0.01	0.0	≤20	-

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn

中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Laboratory Duplicate(DUP)

Relative deviation(RD)%=|Sample Result -Duplicate Result|*100/(Sample Result +Duplicate Result).

Parameter	Sample ID	Unit	MDL	Sample Result	Duplicate Result	RD%	RD Control Range%	Sur Control Range
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994 (continued)								
Cadmium (Cd)	SHE23-04901.001	mg/L	0.001	<0.001	<0.001	0.0	≤20	-
Chromium (Cr)	SHE23-04901.001	mg/L	0.010	<0.01	<0.01	0.0	≤20	-
Lead (Pb)	SHE23-04901.001	mg/L	0.010	0.025	0.025	1.1	≤20	-
Selenium (Se)	SHE23-04901.001	mg/L	0.050	<0.05	<0.05	0.0	≤20	-
Silver (Ag)	SHE23-04901.001	mg/L	0.010	0.054	0.053	0.4	≤20	-
Metals-Hg Method: USEPA 7473-2007								
Mercury (Hg)	SHE23-04901.001	mg/L	0.005	<0.005	<0.005	0.0	≤10	-
VOCs Method: USEPA 8260D-2018								
Benzene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
Carbon tetrachloride	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
Chlorobenzene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
Chloroform	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
1,4-Dichlorobenzene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
1,2-Dichloroethane	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
1,1-Dichloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
2-butanone(MEK)	SHE23-04901.001	mg/L	0.020	<0.02	<0.02	0.0	≤30	-
Tetrachloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
Trichloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
Vinyl chloride	SHE23-04901.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤30	-
SVOCs Method: USEPA 8270E-2018								
2-Methylphenol	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
3&4-Methylphenol	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
2,4-Dinitrotoluene	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Hexachlorobenzene	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Hexachlorobutadiene	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Hexachloroethane	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Nitrobenzene	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Pentachlorophenol	QCO23-00700.001	mg/L	0.0025	<0.0025	<0.0025	0.0	≤17.5	-
Pyridine	QCO23-00700.001	mg/L	0.002	<0.002	<0.002	0.0	≤17.5	-
2,4,5-Trichlorophenol	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
2,4,6-Trichlorophenol	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
SVOCs Method: USEPA 8270E-2018								
Endrin	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
γ-BHC	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072628 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072628 f (86-21) 61152164 e sgs.china@sgs.com

Laboratory Duplicate(DUP)

Relative deviation(RD)%=|Sample Result -Duplicate Result|*100/(Sample Result +Duplicate Result).

Parameter	Sample ID	Unit	MDL	Sample Result	Duplicate Result	RD%	RD Control Range%	Sur Control Range
SVOCs Method: USEPA 8270E-2018 (continued)								
Toxaphene	QCO23-00700.001	mg/L	0.050	<0.05	<0.05	0.0	≤17.5	-
α-Chlordane	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
γ-Chlordane	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Methoxychlor	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-
Heptachlor	QCO23-00700.001	mg/L	0.0005	<0.0005	<0.0005	0.0	≤17.5	-

The evaluation of Relative Deviation (RD) for Duplicates: All RD of duplicates on this batch are in the controlled range, which meet the acceptance criteria of lab quality control.

Matrix Spike(MS)

MS Recovery%= (MS Result-Sample Result) *100/Spike Added (Related factor should be taken into consideration) .

Parameter	Sample ID	Unit	MDL	Sample Result	MS Result	Spike Added	Recevory%	Control Range Lower	Control Range Upper
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994									
Arsenic (As)	SHE23-04901.001	mg/L	0.050	<0.050	0.188	0.2	93.9	70%	130%
Barium (Ba)	SHE23-04901.001	mg/L	0.010	<0.010	0.220	0.2	106	70%	130%
Cadmium (Cd)	SHE23-04901.001	mg/L	0.001	<0.001	0.191	0.2	95.7	70%	130%
Chromium (Cr)	SHE23-04901.001	mg/L	0.010	<0.010	0.186	0.2	91.7	70%	130%
Lead (Pb)	SHE23-04901.001	mg/L	0.010	0.025	0.198	0.2	86.5	70%	130%
Selenium (Se)	SHE23-04901.001	mg/L	0.050	<0.050	0.244	0.2	122	70%	130%
Silver (Ag)	SHE23-04901.001	mg/L	0.010	0.053	0.236	0.2	91.5	70%	130%
VOCs Method: USEPA 8260D-2018									
Benzene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0227	0.02	114	50%	150%
Carbon tetrachloride	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0191	0.02	95.6	50%	150%
Chlorobenzene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0200	0.02	99.8	50%	150%
Chloroform	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0183	0.02	91.4	50%	150%
1,4-Dichlorobenzene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0190	0.02	94.8	50%	150%
1,2-Dichloroethane	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0188	0.02	93.8	50%	150%
1,1-Dichloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0164	0.02	81.8	50%	150%
Tetrachloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0203	0.02	101	50%	150%
Trichloroethene	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0203	0.02	101	50%	150%
Vinyl chloride	SHE23-04901.001	mg/L	0.0005	<0.0005	0.0161	0.02	80.6	50%	150%

The evaluation of recoveries for Matrix Spiked (MS): All recoveries for MS on this batch are in the controlled range, which meet the acceptance criteria of lab quality control.

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com

Matrix Spike Duplicate(MSD)

Relative deviation(RD)%=|MS Recovery% -MSD Recovery%|*100/(MS Recovery%+MSD Recovery%).

Parameter	Sample ID	Unit	MDL	MS Recovery%	MSD Recovery%	RD%	RD Control Range%	Sur Control Range
Determination of trace elements in waters and wastes by inductively coupled plasma-mass spectrometry Method: USEPA 200.8-1994								
Arsenic (As)	SHE23-04901.001	mg/L	0.050	93.9	88.2	3.1	≤20	-
Barium (Ba)	SHE23-04901.001	mg/L	0.010	106	109	1.5	≤20	-
Cadmium (Cd)	SHE23-04901.001	mg/L	0.001	95.7	92.6	1.6	≤20	-
Chromium (Cr)	SHE23-04901.001	mg/L	0.010	91.7	87.0	2.6	≤20	-
Lead (Pb)	SHE23-04901.001	mg/L	0.010	86.5	81.8	2.8	≤20	-
Selenium (Se)	SHE23-04901.001	mg/L	0.050	122	108	5.9	≤20	-
Silver (Ag)	SHE23-04901.001	mg/L	0.010	91.5	89.2	1.3	≤20	-
VOCs Method: USEPA 8260D-2018								
Benzene	SHE23-04901.001	mg/L	0.0005	114	126	5.3	≤30	-
Carbon tetrachloride	SHE23-04901.001	mg/L	0.0005	95.6	109	6.7	≤30	-
Chlorobenzene	SHE23-04901.001	mg/L	0.0005	99.8	113	6.3	≤30	-
Chloroform	SHE23-04901.001	mg/L	0.0005	91.4	99.9	4.4	≤30	-
1,4-Dichlorobenzene	SHE23-04901.001	mg/L	0.0005	94.8	108	6.3	≤30	-
1,2-Dichloroethane	SHE23-04901.001	mg/L	0.0005	93.8	99.4	2.9	≤30	-
1,1-Dichloroethene	SHE23-04901.001	mg/L	0.0005	81.8	76.0	3.7	≤30	-
Tetrachloroethene	SHE23-04901.001	mg/L	0.0005	101	120	8.3	≤30	-
Trichloroethene	SHE23-04901.001	mg/L	0.0005	101	116	6.7	≤30	-
Vinyl chloride	SHE23-04901.001	mg/L	0.0005	80.6	94.2	7.8	≤30	-

The evaluation of Matrix Spiked Duplicates (MSD): All recoveries for MSD on this batch are in the controlled range, which meet the acceptance criteria of lab quality control. All RD for MS and MSD on this batch are in the controlled range, which meet the acceptance criteria of lab quality control.

*** End of Report ***

3rd Building, No.889 Yishan Road, Xuhui District, Shanghai, China 200233 t (86-21) 61072828 f (86-21) 61152164 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61072828 f (86-21) 61152164 e sgs.china@sgs.com