

DOCKETED

Docket Number:	87-AFC-01C
Project Title:	COMPLIANCE-Luz Solar Electric Generating System Cogeneration AFC (150 MW) Units III-VII.
TN #:	238936
Document Title:	Kramer Junction 2021 1st Semiannual Bioremediation Report
Description:	N/A
Filer:	Maria E Lopez
Organization:	NextEra Energy
Submitter Role:	Applicant
Submission Date:	7/19/2021 1:24:52 PM
Docketed Date:	7/19/2021

Date: July 15, 2021

California Regional Water Quality Control Board
Lahontan Region
2501 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150

Facility Name: SEGS III - VII

Address: 41100 Highway 395
Boron, CA 93516

Contact Person: Glen King

Job Title: Environmental Specialist

Phone: 760-762-5562x440 or 661-202-5837

Email: glen.king@nee.com

WDR/NPDES Order Number: 6-95-102

WDID Number: 6B368909005

Type of Report (circle one): Monthly Quarterly Semi-Annual Annual Other

Month(s) (circle applicable month(s)*): JAN FEB MAR APR MAY JUN
JUL AUG SEP OCT NOV DEC

*annual Reports (circle the first month of the reporting period)

Year: 2021

Violation(s)? (Please check one): X NO YES*

***If YES is marked complete a-g (Attach Additional information as necessary)**

a) Brief Description of Violation: _____

b) Section(s) of WDRs/NPDES Permit Violated: _____

c) Reported Value(s) or Volume: _____

**d) WDRs/NPDES
Limit/Condition:** _____

**e) Date(s) and Duration of
Violation(s):** _____

f) Explanation of Cause(s): _____

**g) Corrective Action(s)
(Specify actions taken and a schedule
for actions to be taken)** _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, 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.

If you have any questions or require additional information, please contact me at the number provided above.

Sincerely,

Signature:  _____

Name: Glen T. King

Title: Environmental Specialist



2021 FIRST SEMIANNUAL
BIOREMEDIATION MONITORING REPORT
SEGS III – VII KRAMER JUNCTION
Board Order No. 6-95-102

July 13, 2021

Prepared for:
Luz Solar Partners III - VII Ltd. c/o
NextEra Energy Operating Services, LLC
41100 Highway 395
Boron, California 93516

Prepared By:
Northstar Environmental Remediation
26225 Enterprise Court
Lake Forest, California 92630

SIGNATURE PAGE

2021 FIRST SEMIANNUAL BIOREMEDIATION MONITORING REPORT


SEGS III - VII KRAMER JUNCTION

BORON, CALIFORNIA

PROFESSIONAL STATEMENT

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

I further certify that this report has been reviewed by the appropriate authority at NextEra Energy Resources and is being submitted with their written consent.



Arlin W. Brewster

Professional Geologist 9207

July 13, 2021

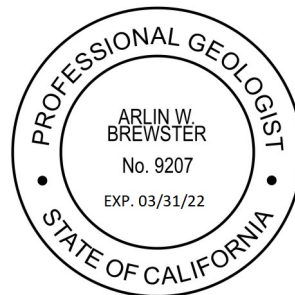


Table of Contents

1.0 INTRODUCTION	1
1.1 Facility Information	1
1.2 Soil Treatment Units	1
2.0 HEAT TRANSFER FLUID RELEASES	2
3.0 TREATMENT AND MONITORING.....	3
4.0 SAMPLING AND ANALYTICAL SUMMARY.....	4

List of Figures

Figure 1 – Site Location and Vicinity Map

Figure 2 – Bioremediation Unit Layout Schematic

List of Tables

Table 1 – Summary of Analytical Results

List of Appendices

Appendix A – Laboratory Report

1.0 INTRODUCTION

Northstar Environmental Remediation (Northstar) of Lake Forest, California has prepared this 2021 First Semiannual Bioremediation Monitoring Report for the Solar Electric Generating Station (SEGS) III – VII facility on behalf of NextEra Energy Operating Services, LLC (NextEra) and Luz Solar Partners III - VII Ltd. This report presents environmental data required under California Regional Water Quality Control Board - Lahontan Region (RWQCB) Order No. 6-95-102 Waste Discharge Requirements and Monitoring and Reporting Program. This report summarizes all bioremediation activity that occurred during the reporting period. Northstar currently conducts soil sampling associated with the bioremediation unit. A site vicinity map of SEGS III – VII is included in **Figure 1**.

1.1 Facility Information

Facility Name:

Solar Electric Generating Station (SEGS) III – VII

Facility Location:

41100 Highway 395
Boron, California 92347

Facility Contact:

Mr. Glen T. King
Safety/Environmental Specialist
NextEra Energy Operating Services, LLC
(760) 762-1505

Monitoring and Reporting Program:

RWQCB Order No. 6-95-102 (6-90-24 rescinded)

Waste Discharge Identification Number:

6B368909005

1.2 Soil Treatment Units

The Bioremediation Unit is designed to treat soil contaminated with the heat transfer fluid (HTF) Therminol, which is used in the processes of the solar trough technology employed at the site. Onsite treatment of contaminated soils is accomplished through two soil treatment units onsite: the Bioremediation Unit (located between SEGS VI and VII), which is used for storage and treatment of HTF-impacted soils; and, the Landfarm Unit (located between SEGS III and IV), which is used for treatment by natural attenuation and for storage of remediated soils, staged for future use at the facility. The location of both Units are shown on **Figure 1**.

2.0 HEAT TRANSFER FLUID RELEASES

There were no reportable spills (more than 25 gallons) of heat transfer fluid during the reporting period.

3.0 TREATMENT AND MONITORING

The Bioremediation Unit is divided into a north and south half by a concrete divider (see **Figure 2**). The North half is designated for soil treatment, and the south half for HTF-impacted soil storage. The impacted soils are treated in smaller cells by mixing with a urea fertilizer (containing nitrogen, phosphorous, and potassium), adding moisture, and by aerating the soils on a weekly to bi-weekly basis. This activity enhances biodegradation of the HTF.

Monitoring is performed by visually inspecting the condition of the concrete divider and leakage detection sumps (performed by NextEra) and by collecting periodic, representative samples of the treated soil media (performed by Northstar). When HTF compounds are demonstrated to be below 1,000 parts per million (ppm) by an analytical laboratory, the treated soils are then staged in the Landfarm Unit where natural attenuation occurs. Once the HTF compounds are below 100 parts per million, they are staged for future use within the facility.

The following notes apply to the treatment and monitoring performed during this reporting period:

- No new HTF-impacted soil was transferred into the Bioremediation Unit.
- The Bioremediation Unit stockpile was split into western, central, and eastern thirds and sampled at a depth of one foot and at the bottom on February 18, 2021. Based on analytical results (**Table 1**), the western and central portions were transferred to the Landfarm Unit for natural attenuation.
- A composite sample of the entire Landfarm Unit stockpile was collected on February 18, 2021. Based on analytical results (**Table 1**), all soil in the Landfarm Unit was released for re-use within the facility (prior to the transfer from the Bioremediation Unit).
- No defects were discovered during inspections of the concrete divider and leakage detection sumps.
- No water accumulated in the leakage detection sumps.
- Soil aeration was performed as regularly scheduled.

4.0 SAMPLING AND ANALYTICAL SUMMARY

When required, soil samples are collected from four random, discrete locations within the soil stockpiles and transferred to a clean 5-gallon bucket with a clean stainless-steel trowel. All sampling apparatus are cleaned with non-phosphate detergent (typically Alconox, Liquinox, or equivalent) and triple-rinsed with deionized water prior to collecting all soil samples. The composited soil is then homogenized and transferred to laboratory-supplied, certified clean sample containers. The samples are labelled, sealed, and placed on ice to preserve the volatile compounds.

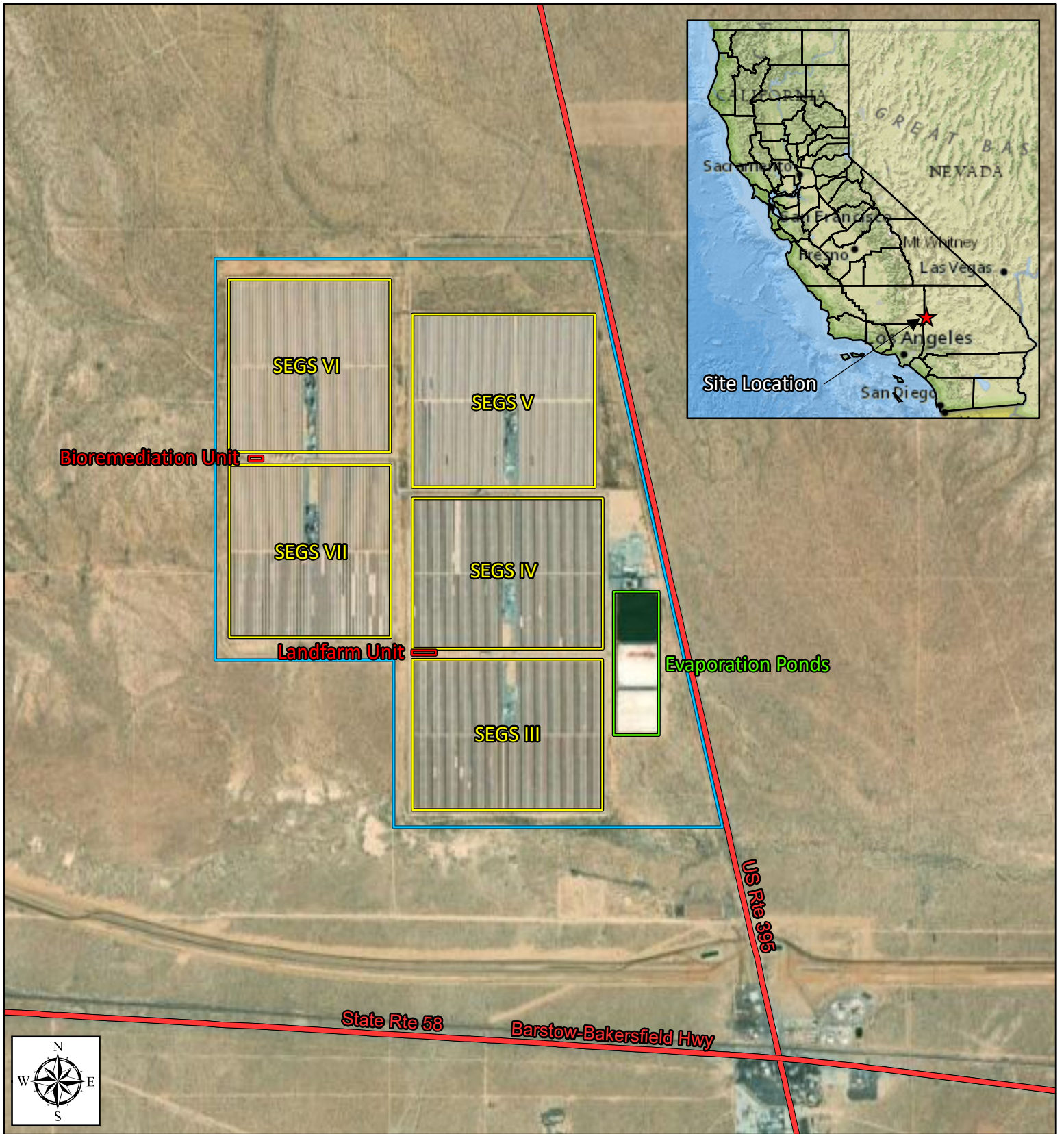
They are then transported under chain-of-custody protocols to Eurofins Calscience Irvine, a state- and federally-accredited laboratory located in Irvine, California. The soil samples are analyzed by Environmental Protection Agency Method 8015M for 1,1-Biphenyl and 1,1-Oxybisbenzene, which are volatile organic compounds characteristic of the HTF Therminol. The laboratory report is then submitted directly to NextEra and Northstar personnel and are presented in **Appendix A** and summarized in **Table 1**. Please note that the additional samples included in the report (beginning with 'EP' designation) are unrelated to the Bioremediation or Landfarm Units.

Bioremediation Unit stockpile samples were collected on February 18, 2021 from a depth of 1 foot and from the bottom of the western, central, and eastern portions. 1,1'-Biphenyl was only detected at a concentration of 5.4 mg/kg in the bottom sample of the eastern portion. 1,1'-Oxybisbenzene was detected at a concentration of 11 mg/kg in the bottom sample of the western portion, and at a concentration of 2,200 mg/kg in the bottom sample of the eastern portion. Based on these results, the soil from the western and central portion were transferred to the Landfarm Unit for further remediation by natural attenuation.

A composite sample was collected from the entire Landfarm Unit stockpile on February 18, 2021. Both 1,1'-Biphenyl and 1,1'-Oxybisbenzene were non-detect in this sample. Based on these results, the stockpile was released for re-use within the facility. This soil was segregated prior to the addition of the soil from the Bioremediation Unit.

The annual Landfarm Unit sample will be collected in the second half of the 2021 calendar year.

FIGURES



Legend

-  Facility Boundary
-  Solar Fields
-  Land Treatment Units
-  Evaporation Ponds

SEGs III - VII Kramer Junction
Boron, California

Figure 1
Site Location
and Vicinity Map

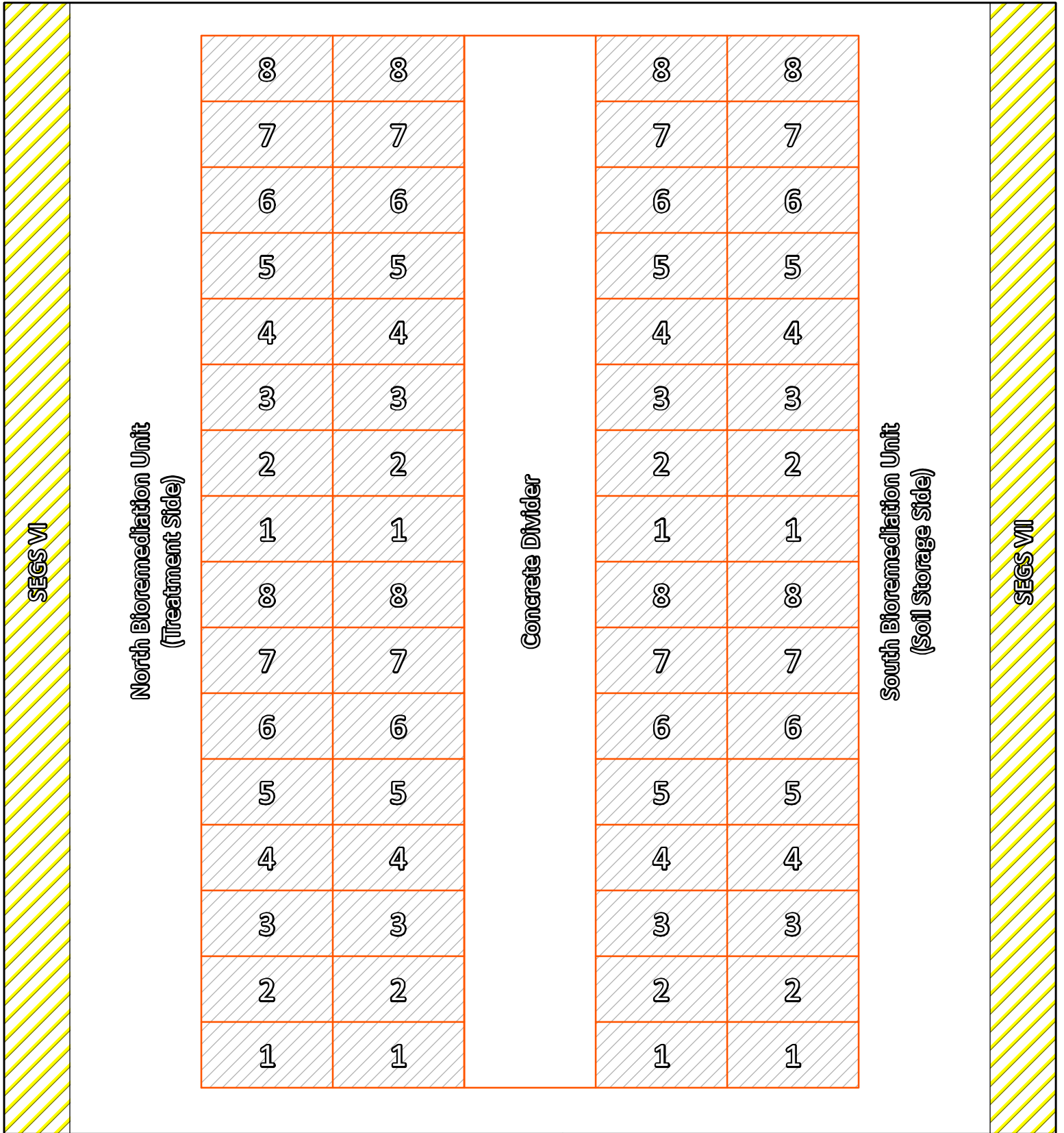


Scale: 1:30,000



Date: 07 Jul 2020

Drawn By: AWB

Checked By: AWB



Legend

-  Bioremediation Unit
-  Solar Field

SEGS III - VII Kramer Junction
Boron, California

Figure 2
Bioremediation Unit
Layout Schematic



Scale: NTS

Date: 07 Jul 2020

Drawn By: AWB

Checked By: AWB

TABLE

Table 1
Summary of Analytical Results

Sample ID	Sample Type	Sample Date	Analytical Results	
			1,1'-Biphenyl (mg/kg)	1,1'-Oxybisbenzene (mg/kg)
BR West@1'	Bioremediation Soil	18-Feb-21	ND<5.1	ND<5.1
BR West@Bottom	Bioremediation Soil	18-Feb-21	ND<5.0	11
BR Center@1'	Bioremediation Soil	18-Feb-21	ND<4.9	ND<4.9
BR Center@Bottom	Bioremediation Soil	18-Feb-21	ND<4.9	ND<4.9
BR East@1'	Bioremediation Soil	18-Feb-21	ND<5.0	ND<5.0
BR East@Bottom	Bioremediation Soil	18-Feb-21	5.4	2,200
LF Composite	Landfarm Soil	18-Feb-21	ND<5.0	ND<5.0

Notes:

Samples analyzed by EPA Method 8015B Modified for Therminol

mg/kg = milligrams per kilogram (parts per million)

ND = analyte not detected at or above the displayed laboratory reporting limit

APPENDIX A

LABORATORY REPORT

ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-279274-1

Client Project/Site: Nextera - Kramer Junction

For:

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, California 93516

Attn: Glen King



Authorized for release by:
3/3/2021 4:59:28 PM

Sheri Fama, Project Manager I
(949)260-3274
Sheri.Fama@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Client Sample Results	5
Method Summary	14
Lab Chronicle	15
QC Sample Results	20
QC Association Summary	24
Definitions/Glossary	27
Certification Summary	28
Chain of Custody	29
Receipt Checklists	33

Sample Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-279274-1	BR West@1'	Solid	02/18/21 08:45	02/18/21 15:40	
440-279274-2	BR West@Bottom	Solid	02/18/21 08:55	02/18/21 15:40	
440-279274-3	BR Center@1'	Solid	02/18/21 09:00	02/18/21 15:40	
440-279274-4	BR Center@Bottom	Solid	02/18/21 09:10	02/18/21 15:40	
440-279274-5	BR East@1'	Solid	02/18/21 09:20	02/18/21 15:40	
440-279274-6	BR East@Bottom	Solid	02/18/21 09:30	02/18/21 15:40	
440-279274-7	LF Composite	Solid	02/18/21 10:00	02/18/21 15:40	
440-279274-8	EP5-NW	Solid	02/18/21 10:45	02/18/21 15:40	
440-279274-9	EP5-NE	Solid	02/18/21 11:00	02/18/21 15:40	
440-279274-10	EP5-SE	Solid	02/18/21 11:10	02/18/21 15:40	
440-279274-11	EP5-SW	Solid	02/18/21 11:30	02/18/21 15:40	
440-279274-12	EP5-Center	Solid	02/18/21 11:40	02/18/21 15:40	
440-279274-13	EP4-NW	Solid	02/18/21 11:50	02/18/21 15:40	
440-279274-14	EP4-NE	Solid	02/18/21 12:05	02/18/21 15:40	
440-279274-15	EP4-SE	Solid	02/18/21 12:10	02/18/21 15:40	
440-279274-16	EP4-SW	Solid	02/18/21 12:20	02/18/21 15:40	
440-279274-17	EP4-Center	Solid	02/18/21 12:30	02/18/21 15:40	
440-279274-18	EP3-NW	Solid	02/18/21 12:40	02/18/21 15:40	
440-279274-19	EP3-NE	Solid	02/18/21 12:50	02/18/21 15:40	
440-279274-20	EP3-SE	Solid	02/18/21 13:00	02/18/21 15:40	
440-279274-21	EP3-SW	Solid	02/18/21 13:05	02/18/21 15:40	
440-279274-22	EP3-Center	Solid	02/18/21 13:15	02/18/21 15:40	

Case Narrative

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Job ID: 440-279274-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative 440-279274-1

Comments

No additional comments.

Receipt

The samples were received on 2/18/2021 3:40 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.8° C.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for Barium and Antimony were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method 6010B: The following sample was diluted due to the nature of the sample matrix: EP5-Center (440-279274-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: BR West@1'

Lab Sample ID: 440-279274-1

Date Collected: 02/18/21 08:45

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		5.1	mg/Kg		02/27/21 16:20	03/02/21 18:00	1
1,1'-Biphenyl	ND		5.1	mg/Kg		02/27/21 16:20	03/02/21 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	113		61 - 145			02/27/21 16:20	03/02/21 18:00	1

Client Sample ID: BR West@Bottom

Lab Sample ID: 440-279274-2

Date Collected: 02/18/21 08:55

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	11		5.0	mg/Kg		02/27/21 16:20	03/02/21 18:27	1
1,1'-Biphenyl	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	116		61 - 145			02/27/21 16:20	03/02/21 18:27	1

Client Sample ID: BR Center@1'

Lab Sample ID: 440-279274-3

Date Collected: 02/18/21 09:00

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		4.9	mg/Kg		02/27/21 16:20	03/02/21 18:53	1
1,1'-Biphenyl	ND		4.9	mg/Kg		02/27/21 16:20	03/02/21 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	116		61 - 145			02/27/21 16:20	03/02/21 18:53	1

Client Sample ID: BR Center@Bottom

Lab Sample ID: 440-279274-4

Date Collected: 02/18/21 09:10

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		4.9	mg/Kg		02/27/21 16:20	03/02/21 19:19	1
1,1'-Biphenyl	ND		4.9	mg/Kg		02/27/21 16:20	03/02/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	128		61 - 145			02/27/21 16:20	03/02/21 19:19	1

Client Sample ID: BR East@1'

Lab Sample ID: 440-279274-5

Date Collected: 02/18/21 09:20

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 19:46	1
1,1'-Biphenyl	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	117		61 - 145			02/27/21 16:20	03/02/21 19:46	1

Eurofins Calscience Irvine

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: BR East@Bottom

Lab Sample ID: 440-279274-6

Date Collected: 02/18/21 09:30

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.4		4.9	mg/Kg		02/27/21 16:20	03/02/21 20:12	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>n-Octacosane (Surr)</i>	121		61 - 145			02/27/21 16:20	03/02/21 20:12	1

Method: 8015B - Diesel Range Organics (DRO) (GC) - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	2200		49	mg/Kg		02/27/21 16:20	03/03/21 11:46	10
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>n-Octacosane (Surr)</i>	133		61 - 145			02/27/21 16:20	03/03/21 11:46	10

Client Sample ID: LF Composite

Lab Sample ID: 440-279274-7

Date Collected: 02/18/21 10:00

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene, 1,1'-oxybis-	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 20:38	1
1,1'-Biphenyl	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 20:38	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>n-Octacosane (Surr)</i>	119		61 - 145			02/27/21 16:20	03/02/21 20:38	1

Client Sample ID: EP5-NW

Lab Sample ID: 440-279274-8

Date Collected: 02/18/21 10:45

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Arsenic	8.7		3.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Barium	88		1.5	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Chromium	12		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Copper	8.6		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Molybdenum	83		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Nickel	2.6		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Vanadium	21		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5
Zinc	340		5.0	mg/Kg		02/25/21 08:59	02/26/21 11:59	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:34	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP5-NE

Lab Sample ID: 440-279274-9

Date Collected: 02/18/21 11:00

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Barium	53		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Chromium	3.3		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Copper	3.6		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Molybdenum	46		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Vanadium	6.8		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5
Zinc	160		5.0	mg/Kg		02/25/21 08:59	02/26/21 12:01	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:41	1

Client Sample ID: EP5-SE

Lab Sample ID: 440-279274-10

Date Collected: 02/18/21 11:10

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.8	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Arsenic	2.9		2.9	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Barium	34		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Beryllium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Cadmium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Chromium	1.5		0.98	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Cobalt	ND		0.98	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Copper	5.6		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Molybdenum	140		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Nickel	3.5		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Selenium	ND		2.9	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Thallium	ND		9.8	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Vanadium	5.6		0.98	mg/Kg		02/25/21 08:59	02/26/21 12:04	5
Zinc	270		4.9	mg/Kg		02/25/21 08:59	02/26/21 12:04	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:43	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP5-SW

Lab Sample ID: 440-279274-11

Date Collected: 02/18/21 11:30

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Arsenic	11		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Barium	83		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Beryllium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Cadmium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Chromium	6.6		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Copper	24		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Molybdenum	98		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Nickel	9.1		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Vanadium	22		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:06	5
Zinc	1400		5.1	mg/Kg		02/25/21 08:59	02/26/21 12:06	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:46	1

Client Sample ID: EP5-Center

Lab Sample ID: 440-279274-12

Date Collected: 02/18/21 11:40

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Arsenic	6.9		6.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Barium	77		3.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Beryllium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Cadmium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Chromium	5.5		2.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Cobalt	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Copper	11		4.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Lead	ND		4.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Molybdenum	130		4.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Nickel	6.0		4.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Selenium	ND		6.1	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Silver	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Thallium	ND		20	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Vanadium	18		2.0	mg/Kg		02/25/21 08:59	02/26/21 17:15	10
Zinc	590		10	mg/Kg		02/25/21 08:59	02/26/21 17:15	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:48	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP4-NW

Lab Sample ID: 440-279274-13

Date Collected: 02/18/21 11:50

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Arsenic	5.8		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Barium	50		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Beryllium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Cadmium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Chromium	3.8		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Cobalt	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Copper	10		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Molybdenum	74		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Nickel	3.2		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Thallium	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Vanadium	9.7		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:11	5
Zinc	480		4.9	mg/Kg		02/25/21 08:59	02/26/21 12:11	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:50	1

Client Sample ID: EP4-NE

Lab Sample ID: 440-279274-14

Date Collected: 02/18/21 12:05

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Barium	18		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Beryllium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Cadmium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Chromium	1.5		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Copper	4.2		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Molybdenum	27		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Vanadium	3.8		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:13	5
Zinc	150		5.1	mg/Kg		02/25/21 08:59	02/26/21 12:13	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:52	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP4-SE

Lab Sample ID: 440-279274-15

Date Collected: 02/18/21 12:10

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Barium	20		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Beryllium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Cadmium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Chromium	1.4		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Copper	3.0		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Molybdenum	22		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Vanadium	3.4		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:16	5
Zinc	120		5.1	mg/Kg		02/25/21 08:59	02/26/21 12:16	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:55	1

Client Sample ID: EP4-SW

Lab Sample ID: 440-279274-16

Date Collected: 02/18/21 12:20

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Barium	34		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Beryllium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Cadmium	ND		0.49	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Chromium	2.1		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Cobalt	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Copper	4.9		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Molybdenum	15		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Thallium	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Vanadium	5.6		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:31	5
Zinc	200		4.9	mg/Kg		02/25/21 08:59	02/26/21 12:31	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:57	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP4-Center

Lab Sample ID: 440-279274-17

Date Collected: 02/18/21 12:30

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Arsenic	3.2		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Barium	32		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Beryllium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Cadmium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Chromium	1.5		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Copper	7.3		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Molybdenum	43		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Nickel	2.4		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Vanadium	5.7		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:26	5
Zinc	260		5.1	mg/Kg		02/25/21 08:59	02/26/21 12:26	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:59	1

Client Sample ID: EP3-NW

Lab Sample ID: 440-279274-18

Date Collected: 02/18/21 12:40

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Arsenic	7.7		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Barium	63		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Chromium	6.1		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Cobalt	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Copper	56		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Molybdenum	9.5		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Nickel	9.3		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Thallium	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Vanadium	14		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:28	5
Zinc	620		5.0	mg/Kg		02/25/21 08:59	02/26/21 12:28	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	mg/Kg		03/01/21 10:10	03/01/21 15:01	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP3-NE

Lab Sample ID: 440-279274-19

Date Collected: 02/18/21 12:50

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Arsenic	ND		3.1	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Barium	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Beryllium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Cadmium	ND		0.51	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Chromium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Copper	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Molybdenum	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Selenium	ND		3.1	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Vanadium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:18	5
Zinc	ND		5.1	mg/Kg		02/25/21 08:59	02/26/21 12:18	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 15:08	1

Client Sample ID: EP3-SE

Lab Sample ID: 440-279274-20

Date Collected: 02/18/21 13:00

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Barium	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Chromium	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Cobalt	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Copper	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Molybdenum	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Thallium	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Vanadium	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:33	5
Zinc	ND		5.0	mg/Kg		02/25/21 08:59	02/26/21 12:33	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 15:10	1

Client Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP3-SW

Lab Sample ID: 440-279274-21

Date Collected: 02/18/21 13:05

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Arsenic	6.4		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Barium	55		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Chromium	5.2		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Cobalt	ND		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Copper	50		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Molybdenum	60		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Nickel	8.3		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Thallium	ND		9.9	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Vanadium	11		0.99	mg/Kg		02/25/21 08:59	02/26/21 12:36	5
Zinc	530		5.0	mg/Kg		02/25/21 08:59	02/26/21 12:36	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	mg/Kg		03/01/21 10:10	03/01/21 15:13	1

Client Sample ID: EP3-Center

Lab Sample ID: 440-279274-22

Date Collected: 02/18/21 13:15

Matrix: Solid

Date Received: 02/18/21 15:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Barium	28		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Chromium	1.4		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Copper	4.0		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Molybdenum	2.0		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Vanadium	3.7		1.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5
Zinc	79		5.0	mg/Kg		02/25/21 08:59	02/26/21 12:38	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 15:15	1

Method Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3550C	Ultrasonic Extraction	SW846	ECL 1
7471A	Preparation, Mercury	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: BR West@1'

Lab Sample ID: 440-279274-1

Date Collected: 02/18/21 08:45

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.88 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 18:00	I9H5	ECL 1

Client Sample ID: BR West@Bottom

Lab Sample ID: 440-279274-2

Date Collected: 02/18/21 08:55

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.00 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 18:27	I9H5	ECL 1

Client Sample ID: BR Center@1'

Lab Sample ID: 440-279274-3

Date Collected: 02/18/21 09:00

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.13 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 18:53	I9H5	ECL 1

Client Sample ID: BR Center@Bottom

Lab Sample ID: 440-279274-4

Date Collected: 02/18/21 09:10

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.19 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 19:19	I9H5	ECL 1

Client Sample ID: BR East@1'

Lab Sample ID: 440-279274-5

Date Collected: 02/18/21 09:20

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.09 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 19:46	I9H5	ECL 1

Client Sample ID: BR East@Bottom

Lab Sample ID: 440-279274-6

Date Collected: 02/18/21 09:30

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.17 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 20:12	I9H5	ECL 1
Total/NA	Prep	3550C	DL		10.17 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B	DL	10			133041	03/03/21 11:46	I9H5	ECL 1

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: LF Composite

Lab Sample ID: 440-279274-7

Date Collected: 02/18/21 10:00

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.02 g	10 mL	132525	02/27/21 16:20	EM5C	ECL 1
Total/NA	Analysis	8015B		1			133041	03/02/21 20:38	I9H5	ECL 1

Client Sample ID: EP5-NW

Lab Sample ID: 440-279274-8

Date Collected: 02/18/21 10:45

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 11:59	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:34	MA6V	TAL IRV

Client Sample ID: EP5-NE

Lab Sample ID: 440-279274-9

Date Collected: 02/18/21 11:00

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:01	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:41	MA6V	TAL IRV

Client Sample ID: EP5-SE

Lab Sample ID: 440-279274-10

Date Collected: 02/18/21 11:10

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.05 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:04	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:43	MA6V	TAL IRV

Client Sample ID: EP5-SW

Lab Sample ID: 440-279274-11

Date Collected: 02/18/21 11:30

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:06	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:46	MA6V	TAL IRV

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP5-Center

Lab Sample ID: 440-279274-12

Date Collected: 02/18/21 11:40

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		10			639939	02/26/21 17:15	P1R	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:48	MA6V	TAL IRV

Client Sample ID: EP4-NW

Lab Sample ID: 440-279274-13

Date Collected: 02/18/21 11:50

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:11	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:50	MA6V	TAL IRV

Client Sample ID: EP4-NE

Lab Sample ID: 440-279274-14

Date Collected: 02/18/21 12:05

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:13	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:52	MA6V	TAL IRV

Client Sample ID: EP4-SE

Lab Sample ID: 440-279274-15

Date Collected: 02/18/21 12:10

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:16	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:55	MA6V	TAL IRV

Client Sample ID: EP4-SW

Lab Sample ID: 440-279274-16

Date Collected: 02/18/21 12:20

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:31	VZ0K	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:57	MA6V	TAL IRV

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP4-Center

Lab Sample ID: 440-279274-17

Date Collected: 02/18/21 12:30

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:26	VZOK	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 14:59	MA6V	TAL IRV

Client Sample ID: EP3-NW

Lab Sample ID: 440-279274-18

Date Collected: 02/18/21 12:40

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:28	VZOK	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 15:01	MA6V	TAL IRV

Client Sample ID: EP3-NE

Lab Sample ID: 440-279274-19

Date Collected: 02/18/21 12:50

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:18	VZOK	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 15:08	MA6V	TAL IRV

Client Sample ID: EP3-SE

Lab Sample ID: 440-279274-20

Date Collected: 02/18/21 13:00

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:33	VZOK	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 15:10	MA6V	TAL IRV

Client Sample ID: EP3-SW

Lab Sample ID: 440-279274-21

Date Collected: 02/18/21 13:05

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:36	VZOK	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 15:13	MA6V	TAL IRV

Lab Chronicle

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Client Sample ID: EP3-Center

Lab Sample ID: 440-279274-22

Date Collected: 02/18/21 13:15

Matrix: Solid

Date Received: 02/18/21 15:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	639719	02/25/21 08:59	FIQ7	TAL IRV
Total/NA	Analysis	6010B		5			639891	02/26/21 12:38	VZOK	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	639927	03/01/21 10:10	MA6V	TAL IRV
Total/NA	Analysis	7471A		1			640053	03/01/21 15:15	MA6V	TAL IRV

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-132525/1-A
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132525

Analyte	MB MB		RL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier								
Benzene, 1,1'-oxybis-	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 15:50			1
1,1'-Biphenyl	ND		5.0	mg/Kg		02/27/21 16:20	03/02/21 15:50			1
Surrogate		MB MB	Limits	Prepared		Analyzed		Dil Fac		
		%Recovery Qualifier								
<i>n-Octacosane (Surr)</i>		95	61 - 145			02/27/21 16:20	03/02/21 15:50			1

Lab Sample ID: LCS 570-132525/2-A
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene, 1,1'-oxybis-	100	102		mg/Kg		102	68 - 120	
1,1'-Biphenyl	100	85.2		mg/Kg		85	57 - 120	
Surrogate		LCS LCS	Limits	Prepared		Analyzed		
		%Recovery Qualifier						
<i>n-Octacosane (Surr)</i>		96	61 - 145					

Lab Sample ID: LCSD 570-132525/3-A
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132525

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit
Benzene, 1,1'-oxybis-	100	99.6		mg/Kg		100	68 - 120	2	20	
1,1'-Biphenyl	100	83.5		mg/Kg		83	57 - 120	2	20	
Surrogate		LCSD LCSD	Limits	Prepared		Analyzed				
		%Recovery Qualifier								
<i>n-Octacosane (Surr)</i>		99	61 - 145							

Lab Sample ID: 440-279274-1 MS
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: BR West@1'
Prep Type: Total/NA
Prep Batch: 132525

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene, 1,1'-oxybis-	ND		100	105		mg/Kg		103	68 - 120	
1,1'-Biphenyl	ND		100	87.4		mg/Kg		87	57 - 120	
Surrogate		MS MS	Limits	Prepared		Analyzed				
		%Recovery Qualifier								
<i>n-Octacosane (Surr)</i>		114	61 - 145							

Lab Sample ID: 440-279274-1 MSD
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: BR West@1'
Prep Type: Total/NA
Prep Batch: 132525

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
											RPD	Limit
Benzene, 1,1'-oxybis-	ND		98.1	99.5		mg/Kg		100	68 - 120	6	20	
1,1'-Biphenyl	ND		98.1	82.4		mg/Kg		84	57 - 120	6	20	

QC Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-279274-1 MSD
Matrix: Solid
Analysis Batch: 133041

Client Sample ID: BR West@1'
Prep Type: Total/NA
Prep Batch: 132525

Surrogate	%Recovery	MSD Qualifier	MSD Limits
<i>n</i> -Octacosane (Surr)	109		61 - 145

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-639719/1-A ^5
Matrix: Solid
Analysis Batch: 639891

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639719

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Arsenic	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Barium	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Beryllium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Cadmium	ND		0.50	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Chromium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Cobalt	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Copper	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Lead	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Molybdenum	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Nickel	ND		2.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Selenium	ND		3.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Silver	ND		1.5	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Thallium	ND		10	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Vanadium	ND		1.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5
Zinc	ND		5.0	mg/Kg		02/25/21 08:59	02/26/21 11:25	5

Lab Sample ID: LCS 440-639719/2-A ^5
Matrix: Solid
Analysis Batch: 639891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	51.0	59.1		mg/Kg		116	80 - 120
Arsenic	51.0	52.0		mg/Kg		102	80 - 120
Barium	51.0	53.5		mg/Kg		105	80 - 120
Beryllium	51.0	52.9		mg/Kg		104	80 - 120
Cadmium	51.0	52.9		mg/Kg		104	80 - 120
Chromium	51.0	54.3		mg/Kg		106	80 - 120
Cobalt	51.0	53.8		mg/Kg		105	80 - 120
Copper	51.0	54.7		mg/Kg		107	80 - 120
Lead	51.0	53.7		mg/Kg		105	80 - 120
Molybdenum	51.0	56.4		mg/Kg		111	80 - 120
Nickel	51.0	56.0		mg/Kg		110	80 - 120
Selenium	51.0	50.3		mg/Kg		99	80 - 120
Silver	25.5	27.2		mg/Kg		107	80 - 120
Thallium	51.0	44.3		mg/Kg		87	80 - 120
Vanadium	51.0	53.4		mg/Kg		105	80 - 120
Zinc	51.0	54.4		mg/Kg		107	80 - 120

QC Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-279352-A-5-B MS ^5
Matrix: Solid
Analysis Batch: 639891

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 639719

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier		Result	Qualifier					
Antimony	ND	F1	50.5	26.3	F1	mg/Kg		52	75 - 125	
Arsenic	ND		50.5	50.4		mg/Kg		96	75 - 125	
Barium	60	F1 F2	50.5	128	F1	mg/Kg		133	75 - 125	
Beryllium	ND		50.5	50.7		mg/Kg		100	75 - 125	
Cadmium	ND		50.5	49.2		mg/Kg		97	75 - 125	
Chromium	12		50.5	64.8		mg/Kg		105	75 - 125	
Cobalt	4.4		50.5	55.1		mg/Kg		100	75 - 125	
Copper	8.6		50.5	63.6		mg/Kg		109	75 - 125	
Lead	2.7		50.5	53.8		mg/Kg		101	75 - 125	
Molybdenum	ND		50.5	52.6		mg/Kg		104	75 - 125	
Nickel	8.8		50.5	62.4		mg/Kg		106	75 - 125	
Selenium	ND		50.5	46.7		mg/Kg		93	75 - 125	
Silver	ND		25.3	26.8		mg/Kg		106	75 - 125	
Thallium	ND		50.5	44.6		mg/Kg		88	75 - 125	
Vanadium	27		50.5	83.3		mg/Kg		112	75 - 125	
Zinc	28		50.5	80.5		mg/Kg		104	75 - 125	

Lab Sample ID: 440-279352-A-5-C MSD ^5
Matrix: Solid
Analysis Batch: 639891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 639719

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Antimony	ND	F1	49.3	26.5	F1	mg/Kg		54	75 - 125	1	20
Arsenic	ND		49.3	50.4		mg/Kg		98	75 - 125	0	20
Barium	60	F1 F2	49.3	206	F1 F2	mg/Kg		296	75 - 125	47	20
Beryllium	ND		49.3	51.7		mg/Kg		104	75 - 125	2	20
Cadmium	ND		49.3	49.8		mg/Kg		101	75 - 125	1	20
Chromium	12		49.3	65.3		mg/Kg		108	75 - 125	1	20
Cobalt	4.4		49.3	56.2		mg/Kg		105	75 - 125	2	20
Copper	8.6		49.3	64.4		mg/Kg		113	75 - 125	1	20
Lead	2.7		49.3	54.4		mg/Kg		105	75 - 125	1	20
Molybdenum	ND		49.3	53.8		mg/Kg		109	75 - 125	2	20
Nickel	8.8		49.3	62.9		mg/Kg		110	75 - 125	1	20
Selenium	ND		49.3	47.4		mg/Kg		96	75 - 125	1	20
Silver	ND		24.6	26.7		mg/Kg		108	75 - 125	0	20
Thallium	ND		49.3	45.4		mg/Kg		92	75 - 125	2	20
Vanadium	27		49.3	83.8		mg/Kg		116	75 - 125	1	20
Zinc	28		49.3	81.0		mg/Kg		108	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-639927/1-A
Matrix: Solid
Analysis Batch: 640053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 639927

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil
	Result	Qualifier						
Mercury	ND		0.020	mg/Kg		03/01/21 10:10	03/01/21 14:13	1

QC Sample Results

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 440-639927/2-A
Matrix: Solid
Analysis Batch: 640053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 639927
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.392	0.366		mg/Kg		93	80 - 120

Lab Sample ID: 440-279549-A-1-E MS
Matrix: Solid
Analysis Batch: 640053

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 639927
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.14	F1	0.408	0.418	F1	mg/Kg		69	75 - 125

Lab Sample ID: 440-279549-A-1-F MSD
Matrix: Solid
Analysis Batch: 640053

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 639927
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.14	F1	0.392	0.414	F1	mg/Kg		70	75 - 125	1	20

QC Association Summary

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

GC Semi VOA

Prep Batch: 132525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-1	BR West@1'	Total/NA	Solid	3550C	
440-279274-2	BR West@Bottom	Total/NA	Solid	3550C	
440-279274-3	BR Center@1'	Total/NA	Solid	3550C	
440-279274-4	BR Center@Bottom	Total/NA	Solid	3550C	
440-279274-5	BR East@1'	Total/NA	Solid	3550C	
440-279274-6	BR East@Bottom	Total/NA	Solid	3550C	
440-279274-6 - DL	BR East@Bottom	Total/NA	Solid	3550C	
440-279274-7	LF Composite	Total/NA	Solid	3550C	
MB 570-132525/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-132525/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-132525/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
440-279274-1 MS	BR West@1'	Total/NA	Solid	3550C	
440-279274-1 MSD	BR West@1'	Total/NA	Solid	3550C	

Analysis Batch: 133041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-1	BR West@1'	Total/NA	Solid	8015B	132525
440-279274-2	BR West@Bottom	Total/NA	Solid	8015B	132525
440-279274-3	BR Center@1'	Total/NA	Solid	8015B	132525
440-279274-4	BR Center@Bottom	Total/NA	Solid	8015B	132525
440-279274-5	BR East@1'	Total/NA	Solid	8015B	132525
440-279274-6	BR East@Bottom	Total/NA	Solid	8015B	132525
440-279274-6 - DL	BR East@Bottom	Total/NA	Solid	8015B	132525
440-279274-7	LF Composite	Total/NA	Solid	8015B	132525
MB 570-132525/1-A	Method Blank	Total/NA	Solid	8015B	132525
LCS 570-132525/2-A	Lab Control Sample	Total/NA	Solid	8015B	132525
LCSD 570-132525/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	132525
440-279274-1 MS	BR West@1'	Total/NA	Solid	8015B	132525
440-279274-1 MSD	BR West@1'	Total/NA	Solid	8015B	132525

Metals

Prep Batch: 639719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-8	EP5-NW	Total/NA	Solid	3050B	
440-279274-9	EP5-NE	Total/NA	Solid	3050B	
440-279274-10	EP5-SE	Total/NA	Solid	3050B	
440-279274-11	EP5-SW	Total/NA	Solid	3050B	
440-279274-12	EP5-Center	Total/NA	Solid	3050B	
440-279274-13	EP4-NW	Total/NA	Solid	3050B	
440-279274-14	EP4-NE	Total/NA	Solid	3050B	
440-279274-15	EP4-SE	Total/NA	Solid	3050B	
440-279274-16	EP4-SW	Total/NA	Solid	3050B	
440-279274-17	EP4-Center	Total/NA	Solid	3050B	
440-279274-18	EP3-NW	Total/NA	Solid	3050B	
440-279274-19	EP3-NE	Total/NA	Solid	3050B	
440-279274-20	EP3-SE	Total/NA	Solid	3050B	
440-279274-21	EP3-SW	Total/NA	Solid	3050B	
440-279274-22	EP3-Center	Total/NA	Solid	3050B	
MB 440-639719/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-639719/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Eurofins Calscience Irvine

QC Association Summary

Client: FPL Energy Solar Partners III-VII, LLC
 Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Metals (Continued)

Prep Batch: 639719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279352-A-5-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-279352-A-5-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 639891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-8	EP5-NW	Total/NA	Solid	6010B	639719
440-279274-9	EP5-NE	Total/NA	Solid	6010B	639719
440-279274-10	EP5-SE	Total/NA	Solid	6010B	639719
440-279274-11	EP5-SW	Total/NA	Solid	6010B	639719
440-279274-13	EP4-NW	Total/NA	Solid	6010B	639719
440-279274-14	EP4-NE	Total/NA	Solid	6010B	639719
440-279274-15	EP4-SE	Total/NA	Solid	6010B	639719
440-279274-16	EP4-SW	Total/NA	Solid	6010B	639719
440-279274-17	EP4-Center	Total/NA	Solid	6010B	639719
440-279274-18	EP3-NW	Total/NA	Solid	6010B	639719
440-279274-19	EP3-NE	Total/NA	Solid	6010B	639719
440-279274-20	EP3-SE	Total/NA	Solid	6010B	639719
440-279274-21	EP3-SW	Total/NA	Solid	6010B	639719
440-279274-22	EP3-Center	Total/NA	Solid	6010B	639719
MB 440-639719/1-A ^5	Method Blank	Total/NA	Solid	6010B	639719
LCS 440-639719/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	639719
440-279352-A-5-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	639719
440-279352-A-5-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	639719

Prep Batch: 639927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-8	EP5-NW	Total/NA	Solid	7471A	
440-279274-9	EP5-NE	Total/NA	Solid	7471A	
440-279274-10	EP5-SE	Total/NA	Solid	7471A	
440-279274-11	EP5-SW	Total/NA	Solid	7471A	
440-279274-12	EP5-Center	Total/NA	Solid	7471A	
440-279274-13	EP4-NW	Total/NA	Solid	7471A	
440-279274-14	EP4-NE	Total/NA	Solid	7471A	
440-279274-15	EP4-SE	Total/NA	Solid	7471A	
440-279274-16	EP4-SW	Total/NA	Solid	7471A	
440-279274-17	EP4-Center	Total/NA	Solid	7471A	
440-279274-18	EP3-NW	Total/NA	Solid	7471A	
440-279274-19	EP3-NE	Total/NA	Solid	7471A	
440-279274-20	EP3-SE	Total/NA	Solid	7471A	
440-279274-21	EP3-SW	Total/NA	Solid	7471A	
440-279274-22	EP3-Center	Total/NA	Solid	7471A	
MB 440-639927/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-639927/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-279549-A-1-E MS	Matrix Spike	Total/NA	Solid	7471A	
440-279549-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 639939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-12	EP5-Center	Total/NA	Solid	6010B	639719

QC Association Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Metals

Analysis Batch: 640053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-279274-8	EP5-NW	Total/NA	Solid	7471A	639927
440-279274-9	EP5-NE	Total/NA	Solid	7471A	639927
440-279274-10	EP5-SE	Total/NA	Solid	7471A	639927
440-279274-11	EP5-SW	Total/NA	Solid	7471A	639927
440-279274-12	EP5-Center	Total/NA	Solid	7471A	639927
440-279274-13	EP4-NW	Total/NA	Solid	7471A	639927
440-279274-14	EP4-NE	Total/NA	Solid	7471A	639927
440-279274-15	EP4-SE	Total/NA	Solid	7471A	639927
440-279274-16	EP4-SW	Total/NA	Solid	7471A	639927
440-279274-17	EP4-Center	Total/NA	Solid	7471A	639927
440-279274-18	EP3-NW	Total/NA	Solid	7471A	639927
440-279274-19	EP3-NE	Total/NA	Solid	7471A	639927
440-279274-20	EP3-SE	Total/NA	Solid	7471A	639927
440-279274-21	EP3-SW	Total/NA	Solid	7471A	639927
440-279274-22	EP3-Center	Total/NA	Solid	7471A	639927
MB 440-639927/1-A	Method Blank	Total/NA	Solid	7471A	639927
LCS 440-639927/2-A	Lab Control Sample	Total/NA	Solid	7471A	639927
440-279549-A-1-E MS	Matrix Spike	Total/NA	Solid	7471A	639927
440-279549-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	639927

Definitions/Glossary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: FPL Energy Solar Partners III-VII, LLC
Project/Site: Nextera - Kramer Junction

Job ID: 440-279274-1

Laboratory: Eurofins Calscience Irvine

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-21

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Calscience Irvine

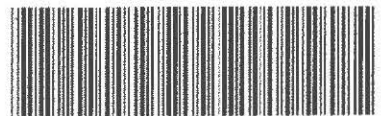
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone: 949-261 1022 Fax: 949-260-3297

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler: <i>Ralph DeLaBerna</i>		Lab PM:		Carrier Tracking No(s):		COC No:			
Client Contact: <i>Glen King</i>		Phone:		E-Mail:		State of Origin:		Page: <i>1-3</i>			
Company: <i>Nextera</i>		Due Date Requested:		Accreditations Required (See note):		Job #:		Preservation Codes:			
Address: <i>41100 Hwy 395</i>		TAT Requested (days):		8015 Modified for Thermal Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		Total Number of Containers		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)			
City: <i>Boron, CA 93516</i>		Normal						Analysis Requested		Other:	
State, Zip:		PO #:						Special Instructions/Note:			
Phone: <i>(760) 762-5562</i>		WO #:									
Project Name: <i>Nextera - Kramer Junction</i>		Project #:									
Site:		SSOW#:									
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/sl)			
								Field Filtered Sample (Yes or No)			
								Perform MS/MSD (Yes or No)			
								Preservation Code:			
<i>BR West @ 1'</i>		<i>2-18-21</i>		<i>0845</i>		<i>G</i>		<i>Soil</i>			
<i>BR West @ Bottom</i>				<i>0855</i>							
<i>BR Center @ 1'</i>				<i>0900</i>							
<i>BR Center @ Bottom</i>				<i>0910</i>							
<i>BR East @ 1'</i>				<i>0920</i>							
<i>BR East @ Bottom</i>				<i>0930</i>							
<i>LF Composite</i>				<i>1000</i>							



440-279274 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV Other (specify)		Special Instructions/QC Requirements:	

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>R. DeLaBerna</i>		Date/Time: <i>2-18-21 @ 1540</i>		Company: <i>Nextera</i>		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1289</i>		Date/Time: <i>2/18/21 1540</i> Company: <i>EC 12V</i>	



Chain of Custody Record

Regulatory Program DW NPDES RCRA Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact		Project Manager: <u>Alan King</u>		Site Contact:		Date: <u>2-18-21</u>		COC No: <u>2</u> of <u>3</u> COCs	
Company Name: <u>Nextera</u>		Email:		Lab Contact:		Carrier:		TALS Project #:	
Address: <u>41100 Hwy 395</u>		Tel/Fax:		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Performed MS / MSD (Y / N) <u>Title 22 metals</u>		Sampler:	
City/State/Zip: <u>Boron, CA 93516</u>		Project Name: <u>Nextera - Kramer Junction</u>						For Lab Use Only:	
Phone: <u>(260) 762-5562</u>		Site:						Walk-in Client: <input type="checkbox"/>	
FAX:		P O #:						Lab Sampling: <input type="checkbox"/>	
Site:								Job / SDG No:	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<u>EPS-NW</u>		<u>2-18-21</u>	<u>1045</u>	<u>G</u>	<u>Soil</u>	<u>1</u>	<u>MX</u>		
<u>EPS-NE</u>			<u>1100</u>			<u>1</u>	<u>X</u>		
<u>EPS-SE</u>			<u>1110</u>			<u>1</u>	<u>X</u>		
<u>EPS-SW</u>			<u>1130</u>			<u>1</u>	<u>X</u>		
<u>EPS - Center</u>			<u>1140</u>			<u>1</u>	<u>X</u>		
<u>EP4-NW</u>			<u>1150</u>			<u>1</u>	<u>X</u>		
<u>EP4-NE</u>			<u>1205</u>			<u>1</u>	<u>X</u>		
<u>EP4-SE</u>			<u>1210</u>			<u>1</u>	<u>X</u>		
<u>EP4-SW</u>			<u>1220</u>			<u>1</u>	<u>X</u>		
<u>EP4 - Center</u>			<u>1230</u>			<u>1</u>	<u>X</u>		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH, 6= Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Possible Hazard Identification Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No. _____	
Relinquished by: <u>[Signature]</u>		Company: <u>Nordstar</u>		Date/Time: <u>2-18-21 01:40</u>		Received by: <u>[Signature]</u>		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EC 12V</u>	
								Date/Time: <u>2/18/21 1540</u>	

Page 30 of 34

3/3/2021



Regulatory Program: DW NPDES RCRA Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact		Project Manager: <u>Glen Kelly</u>		Site Contact:		Date: <u>2-18-21</u>		COC No: <u>3</u> of <u>3</u> COCs	
Company Name: <u>Nextera</u>		Email:		Lab Contact:		Carrier:		TALS Project #:	
Address: <u>4100 Hwy 395</u>		Tel/Fax:		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>Title 22 metal</u>				Sampler: For Lab Use Only: Walk-in Client: <input type="checkbox"/> Lab Sampling: <input type="checkbox"/> Job / SDG No.:	
City/State/Zip: <u>Baron, CA 93816</u>		Analysis Turnaround Time							
Phone: <u>(260) 262-5562</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
FAX:		<input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Project Name: <u>Nextera - Kramer Junction</u>									
Site:									
P O #:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Sample Specific Notes
<u>EP3 - NW</u>		<u>2-18-21</u>	<u>1240</u>	<u>G</u>	<u>Soil</u>	<u>1</u>	<u>Y</u>	<u>X</u>	
<u>EP3 - NE</u>			<u>1250</u>			<u>1</u>		<u>X</u>	
<u>EP3 - SE</u>			<u>1300</u>			<u>1</u>		<u>X</u>	
<u>EP3 - SW</u>			<u>1305</u>			<u>1</u>		<u>X</u>	
<u>EP3 - Center</u>			<u>1315</u>			<u>1</u>		<u>X</u>	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other									
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.:			
Relinquished by: <u>[Signature]</u>		Company: <u>Nextera</u>		Date/Time: <u>2-18-21 1540</u>		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company: <u>EC IPV</u> Date/Time: <u>2/18/21 1540</u>	



Eurofins Calscience Irvine

17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone: 949-261-1022 Fax: 949-260-3297

Chain of Custody Record



eurofin:

Loc. 440
279274

Client Information (Sub Contract Lab)				Sampler: Fama, Sheri M	Lab PM: Fama, Sheri M	Carrier Tracking No(s):	COC No: 440-166505 1		
Client Contact: Shipping/Receiving				Phone:	E-Mail: Sheri Fama@Eurofinset.com	State of Origin California	Page: Page 1 of 1		
Company: Eurofins Calscience LLC				Accreditations Required (See note): State Program - California			Job #: 440-279274-1		
Address: 7440 Lincoln Way,		Due Date Requested: 3/3/2021		Analysis Requested				Preservation Codes	
City: Garden Grove		TAT Requested (days):							
State, Zip: CA, 92841		PO #:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8015B_DRO/3550C Thermo				Total Number of containers	
Phone: 714-895-5494(Tel) 714-894-7501(Fax)		WO #:							
Email:		Project #: 44005151		Other				Special Instructions/Note:	
Project Name: Nextera Kramer Junction		SSOW#:							
Site: FPL Kramer Junction									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO/3550C Thermo	Total Number of containers	Special Instructions/Note:
Preservation Code:									
BR West@1' (440-279274-1)	2/18/21	08.45 Pacific		Solid		X		1	Therminol
BR West@Bottom (440-279274-2)	2/18/21	08.55 Pacific		Solid		X		1	Therminol.
BR Center@1' (440-279274-3)	2/18/21	09:00 Pacific		Solid		X		1	Therminol
BR Center@Bottom (440-279274-4)	2/18/21	09:10 Pacific		Solid		X		1	Therminol
BR East@1' (440-279274-5)	2/18/21	09:20 Pacific		Solid		X		1	Therminol
BR East@Bottom (440-279274-6)	2/18/21	09:30 Pacific		Solid		X		1	Therminol
LR Composite (440-279274-7)	2/18/21	10:00 Pacific		Solid		X		1	Therminol
<p>Note: Since laboratory accreditations are subject to change Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.</p>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)			Primary Deliverable Rank. 2		Special Instructions/QC Requirements.				
Empty Kit Relinquished by:		Date	Time	Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 2/19/21 11:43	Company: EC-1KV	Received by: <i>[Signature]</i>		Date/Time: 2/19/21 11:43	Company: <i>[Signature]</i>		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 3.7/2-2 546					



Login Sample Receipt Checklist

Client: FPL Energy Solar Partners III-VII, LLC

Job Number: 440-279274-1

Login Number: 279274

List Number: 1

Creator: Lagunas, Jorge L

List Source: Eurofins Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: FPL Energy Solar Partners III-VII, LLC

Job Number: 440-279274-1

Login Number: 279274

List Number: 2

Creator: Koopman, Jennifer

List Source: Eurofins Calscience

List Creation: 02/19/21 04:11 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	