DOCKETED	
Docket Number:	09-AFC-05C
Project Title:	Abengoa Mojave Compliance
TN #:	232298
Document Title:	COMPLIANCE7-03-00, Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) 7,1
Description:	COMPLIANCE7-03-00, Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) part 7,1
Filer:	Jose Manuel Bravo Romero
Organization:	Mojave Solar Project
Submitter Role:	Applicant
Submission Date:	3/4/2020 9:19:34 AM
Docketed Date:	3/4/2020

Mojave Solar LLC

42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

SUBMITTED ELECTRONICALLY

Subject:	**09-AFC-5C**
Condition Number:	**Compliance 7**
Description:	**Mojave Solar Project 2019 Annual Compliance Report**
Submittal Number:	**COMPLIANCE7-03-00**
Distribution:	**Keith Winstead, CEC; Kara Harris, US DOE; Dr. Sharma Shankar CDFW; Ray Bransfield, USFWS; Thomas Dietsch, USFWS**

February 27, 2020

Keith Winstead
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

The attached Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) is submitted for your review as part of the ongoing reporting required by the California Energy Commission's Conditions of Certification for the Mojave Solar Project.

Sincerely,

Jose Manuel Bravo Romero
Manager
Compliance, Permitting, Quality and Environment Department
ASI Operations LLC
Mojave Solar Project
42134 Harper Lake Rd
Hinkley, CA 92347
(303) 378-7302
jmanuel.bravo@atlanticayield.com

Attachment: 09-AFC-5C Mojave Solar Project 2019 Annual Compliance Report.

09-AFC-5C Mojave Solar Project
Annual Compliance Report
2019 reporting period

Prepared by:

AS Industrial Operations LLC.

for

Mojave Solar LLC
42134 Harper Lake Road
Hinkley, California 92347

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix O

2019 SOIL&WATER-3 Annual channel maintenance training and maintenance records

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

POST CONSTRUCTION STORMWATER BMP ANNUAL MAINTENANCE REPORT
Post-Construction Inspection and Maintenance Report Form

A. GENERAL INFORMATION. Please fill out only one report form per site. (Fill out All information)

DATE 2/27/2020 REPORTING YEAR: 2019 Job #: 6B36NNA000226- 17

Project Name (i.e. Subdivision Name, Store Name): Mojave Solar Project	**Physical Address/Location of BMP:** 42134 Harper Lake Road. Hinkley California 92347
Property Owner Name: **Mojave Solar LLC** **Is this a new owner? (YES) (NO)**	**Property Owner Mailing Address:** 42134 Harper Lake Road. Hinkley California 92347
Property Owner E-mail Address: Emiliano Garcia Sanz emiliano.garcia@abengoayield.com jmanuel.bravo@atlanticayield.com	**Property Owner Telephone Number:** (760) 308-0400
Maintenance Contact Person/Inspector Name: Jose Manuel Bravo Romero Compliance Q&E Manager, (QSP)	**Maintenance Contact/Inspector Telephone Number:** (760) 308-2601
Maintenance Contact/Inspector E-mail address: jmanuel.bravo@atlanticayield.com	

Job #: 6B36NNA000226- 17

B. INSPECTION CHECKLIST & BMP SUMMARY TABLE. Please attach a copy of the most recent inspection form/checklist. If the system is a proprietary system, the manufacturer's inspection checklist should be obtained from the manufacturer for use.

Fill-in the actual number of BMP devices on the table below. Attach color photos as appropriate, to show condition of each BMP.

Use of these inspection checklists does not exempt BMP owners from design and maintenance requirements specified in the Channel Maintenance plan, SWPPP, DESCP, Grading and Drainage plans and Channel plans.

BMP Device Type	Number per Site	BMP Device Type	Number per Site
Bioretention	None	Other (Specify)	
Filter	None	Other (Specify)	
Detention/Retention Basin or Pond Evaporation ponds Solar Field retention basins	4 282 / site	Other (Specify)	
Open Channel (Swales) Main storm water channel	2	Other (Specify)	

C. MAJOR MAINTENANCE & CORRECTIVE ACTIONS SUMMARY. Please complete the table below summarizing major maintenance activities conducted and any corrective actions taken.

Date Completed	Deficiency Observed Needing Correction	Corrective Action/Maintenance Activity Completed

D. SITE PHOTOGRAPHS. Please attach photographs showing current condition of BMPs on site. One panoramic view of the site and one close-up photo of each area are sufficient.

See attachement, part of the ACR's appendix O

Weekly inspections also included on the same appendix.

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Sign-in Log - Training Register

Date: 12 20 2019

Start Time: 10 00 **End Time:**

Location /Project: Alpha Training Room

Instructor/s: Jose Manuel Bravo

Topic/s: Maintenance Channel Training 2019

Delivered material: Presentation

Participants

No.	Full name	Signature	Department/Company
1.	JESSE MAXEY		SF.
2.	Kirk Bullock		SF.
3.	RICHARD POINTS		SF
4.	Giusbel Riviera Hio		SF
5.	Arlene Garcia		SF
6.	Hector Padilla		SF
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			

Maintenance Order
Page 1 from 3

Order N:	5584484
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	01/18/2019	Ordered By:	
Functional Location:	MSPA-SFD Alpha Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Alpha	PM Activity: S27 Predictive / Preventive	

SFD022 Alpha Retention Basins Insp

Work observations, workplace security measures

Please see attachments

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	1-31-19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17	Signature:	Hector Padilla

Spares inventory | Operation | Description | Quantity | Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H			

Maintenance Order

Order N:	5584484
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

End PM Order:

Acceptance date:	1-31-2019	Accepted by:	Colenn Garcia
		Position:	
		Signature:	Colenn Garcia

Observations:

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:	Hector Padilla	Date:	1-30-18
Shift:	B	Plant:	Alpha

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
1A-2D	—	—	—	—	—	NO	Yes	
3A-4D	—	—	—	—	—	NO	Yes	
5A-6D	—	—	—	—	—	NO	Yes	
7A-8D	—	—	—	—	—	NO	Yes	
9A-10D	—	—	—	—	—	NO	Yes	
11A-12D	—	—	—	—	—	NO	Yes	Dried Vegetation
13A-14D	—	—	—	—	—	NO	Yes	Dried Vegetation
15A-16D	—	—	—	—	—	NO	Yes	Dried Vegetation
17A-18D	—	—	—	—	—	NO	Yes	Dried Vegetation
19A-20D	—	—	—	—	—	NO	Yes	Dried Vegetation
21A-22D	—	—	—	—	—	NO	Yes	Dried Vegetation
23A-24D	—	—	—	—	—	NO	Yes	Dried Vegetation
25A-26D	—	—	—	—	—	NO	Yes	Dried Vegetation
27A-28D	—	—	—	—	—	NO	Yes	Dried Vegetation
29A-30D	—	—	—	—	—	NO	Yes	Dried Vegetation
31A-32D	—	—	—	—	—	NO	Yes	
33A-34D	—	—	—	—	—	NO	Yes	Dried Vegetatio
35A-36D	—	—	—	—	—	NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
37A-38D						NO	Yes	
39A-40D						NO	Yes	
41A-42D						NO	Yes	
43A-44D						NO	Yes	
45A-46D						NO	Yes	Dried Vegetation
47A-48D						NO	Yes	Dried Vegetation
49A-50D						NO	Yes	Dried Vegetation
51A-52D						NO	Yes	
53A-54D						NO	Yes	
55A-56D						NO	Yes	Dried Vegetation
57A-58D						NO	Yes	Dried Vegetation
59A-60D						NO	Yes	Dried Vegetation
61A-62D						NO	Yes	
63A-64D						NO	Yes	
65A-66D						NO	Yes	Dried Vegetation
67A-68D						NO	Yes	Dried Vegetation
93A-94D						NO	Yes	
95A-96D						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
97A-98D						NO	Yes	
99A-100D						NO	Yes	Dried Vegetation
101A-102D						NO	Yes	
103A-104D						NO	Yes	
105A-106D						NO	Yes	
107A-108D						NO	Yes	
109A-110D						NO	Yes	
111A-112D						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
1E-2H						NO	Yes	
3E-4H						NO	Yes	
5E-6H						NO	Yes	Dried Vegetation
7E-8H						NO	Yes	
9E-10H						NO	Yes	
11E-12H						NO	Yes	
13E-14H						NO	Yes	
15E-16H						NO	Yes	Dried Vegetation
17E-18H						NO	Yes	
19E-20H						NO	Yes	
21E-22H						Yes	Yes	Dried Vegetation
23E-24H						Yes	Yes	
25E-26H						Yes	Yes	
27E-28H						Yes	Yes	Dried Vegetation
29E-30H						Yes	Yes	Dried Vegetation
31E-32H						Yes	Yes	Dried Vegetation
33E-34H						Yes	Yes	
35E-36H						Yes	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
37E-38H						Yes	Yes	Dried Vegetation
39E-40H						Yes	Yes	Dried Vegetation
41E-42H						Yes	Yes	
43E-44H						Yes	Yes	Dried Vegetation
45E-46H						Yes	Yes	Dried Vegetation
47E-48H						Yes	Yes	Dried Vegetation
49E-50H						Yes	Yes	Dried Vegetation
51E-52H						Yes	Yes	Dried Vegetation
53E-54H						Yes	Yes	
55E-56H						Yes	Yes	Dried Vegetation
57E-58H						Yes	Yes	
59E-60H						Yes	Yes	
61E-62H						Yes	Yes	
63E-64H						Yes	Yes	
65E-66H						Yes	Yes	Dried Vegetation
67E-68H						Yes	Yes	
69E-70H						NO	Yes	
71E-72H						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
73E-74H						NO	Yes	
75E-76H						NO	Yes	Dried Vegetation
77E-78H						NO	Yes	Dried Vegetation
79E-80H						NO	Yes	Dried Vegetation
81E-82H						NO	Yes	Dried Vegetation
83E-84H						NO	Yes	
85E-86H						Yes	Yes	Dried Vegetation
87E-88H						Yes	Yes	Dried Vegetation
89E-90H						Yes	Yes	
91E-92H						Yes	Yes	Dried Vegetation
101E-102H						NO	Yes	
103E-104H						NO	Yes	Dried Vegetation
105E-106H						NO	Yes	
107E-108H						NO	Yes	
109E-110H						NO	Yes	Dried Vegetation
111E-112H						NO	Yes	Dried Vegetation
113E-114H						NO	Yes	Dried Vegetation
115E-116H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
117E-118H						NO	Yes	
119E-120H						NO	Yes	
121E-122H						NO	Yes	
123E-124H						NO	Yes	
125E-126H						NO	Yes	
127E-128H						NO	Yes	
129E-130H						NO	Yes	
131E-132H						NO	Yes	
133E-134H						NO	Yes	
135E-136H						NO	Yes	
137E-138H						NO	Yes	
139E-140H						NO	Yes	Dried Vegetation
141E-142H						NO	Yes	Dried Vegetation
143E-144H						NO	Yes	Dried Vegetation
145E-146H						NO	Yes	Dried Vegetation
147E-148H						NO	Yes	Dried Vegetation
149E-150H						NO	Yes	Dried Vegetation
151E-152H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
153E-154H						NO	Yes	Dried Vegetation
155E-156H						NO	Yes	Dried Vegetation
157E-158H						NO	Yes	Dried Vegetation
159E-160H						NO	Yes	Dried Vegetation
161E-162H						NO	Yes	Dried Vegetation
163E-164H						NO	Yes	Dried Vegetation
165E-166H						NO	Yes	Dried Vegetation
167E-168H						NO	Yes	Dried Vegetation
169E-170H						NO	Yes	Dried Vegetation
171E-172H						NO	Yes	Dried Vegetation
173E-174H						NO	Yes	Dried Vegetation
175E-176H						NO	Yes	Dried Vegetation
177E-178H						NO	Yes	Dried Vegetation
179E-180H						NO	Yes	Dried Vegetation
181E-182H						NO	Yes	Dried Vegetation
183E-184H						NO	Yes	Dried Vegetation
185E-186H						NO	Yes	Dried Vegetation
187E-188H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
189E-190H	—	—	—	—	—	NO	Yes	
191E-192H	—	—	—	—	—	NO	Yes	Dried Vegetation
193E-194H	—	—	—	—	—	NO	Yes	Dried Vegetation
195E-196H	—	—	—	—	—	NO	Yes	Dried Vegetation
197E-198H	—	—	—	—	—	NO	Yes	
199E-200H	—	—	—	—	—	~~Yes~~	Yes	~~Dried Vegetation~~
201E-202H	—	—	—	—	—	Yes	Yes	Dried Vegetation

Maintenance Order
Page 1 from 2

Order N:	5584634
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	01/17/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Check All Retention basin at Beta solar field, Please see pictures and check list for PM results. there is water erosion on the field due to rain on the previous days.

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order

Completion date:	01.31.2019	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17 hr	Signature:	

COMPLETED

Spares inventory	Operation	Description	Quantity	Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H	✓		
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H	✓		
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H	✓		

Maintenance Order

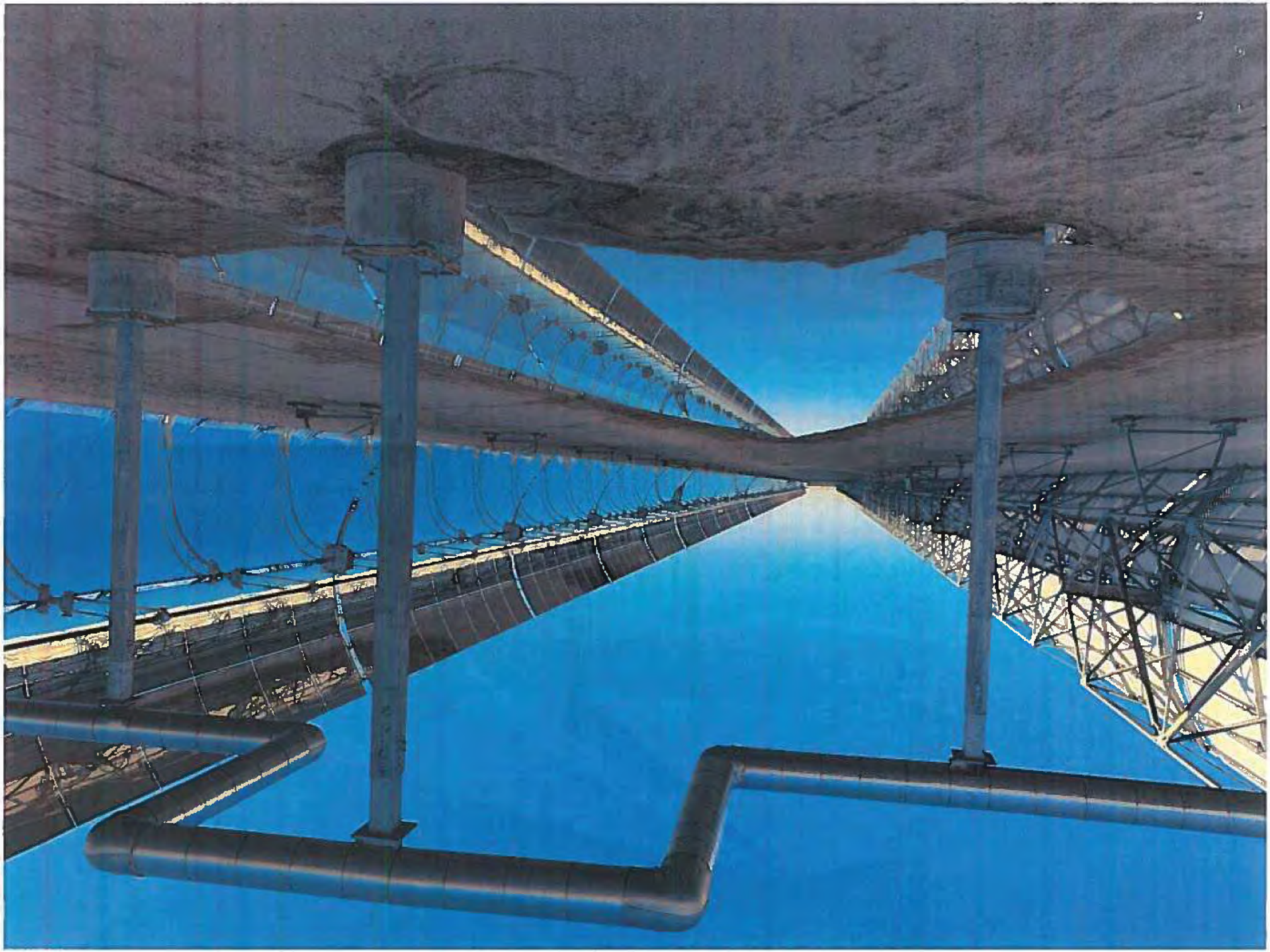
Order N:	5584634
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

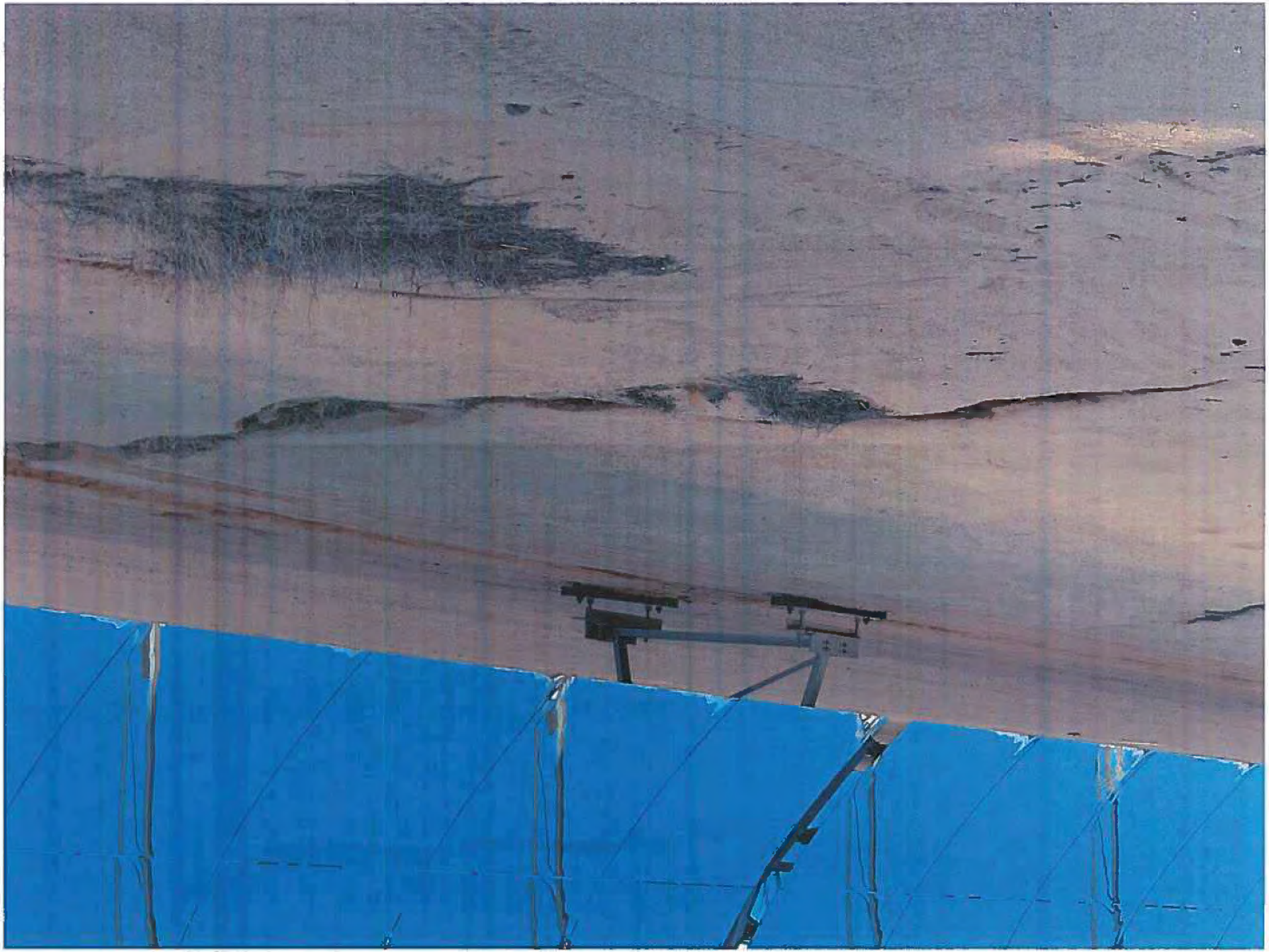
Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.	✓			

End PM Order:

Acceptance date:	1-31-2019	Accepted by:	Glenn Garen
		Position:	
		Signature:	Glenn Garen

Observations:





ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:	Tito	Date:	01/09/19
Shift:	B	Plant:	Beta

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
1-E						No	Yes	Dry Vegetations
1-F						No	Yes	"
2-E						No	Yes	"
2-F						No	Yes	"
3-E						No	Yes	"
3-F						No	Yes	"
4-E						No	Yes	"
4-F						No	Yes	"
5-E						No	Yes	"
5-F						No	Yes	"
6-E						No	Yes	"
6-F						No	Yes	"
7-E						No	Yes	"
7-F						No	Yes	"
8-E						No	Yes	"
8-F						No	Yes	"
9-E						No	Yes	"
9-F						No	Yes	"

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
10-E						No	Yes	Dry vegetation
10-F						No	Yes	"
11-E						No	Yes	"
11-F						No	Yes	"
12-E						No	Yes	"
12-F						No	Yes	"
13-E						No	Yes	"
13-F						No	Yes	"
14-E						No	Yes	"
14-F						No	Yes	"
15-E						No	Yes	"
15-F						No	Yes	"
16-E						No	Yes	"
16-F						No	Yes	"
17-E						No	Yes	"
17-F						No	Yes	"
18-E						No	Yes	"
18-F						No	Yes	"
19-E						No	Yes	"
19-F						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Weld and/or Water Soil Erosion Control	Comments
20-E						No	Yes	Dry vegetation
20-F						No	Yes	11
21-E						No	Yes	11
21-F						No	Yes	
22-E						No	Yes	
22-F						No	Yes	
23-E						No	Yes	Dry vegetation
23-F						No	Yes	11
24-E						No	Yes	11
24-F						No	Yes	11
25-E						No	Yes	11
25-F						No	Yes	11
26-E						No	Yes	11
26-F						No	Yes	11
27-E						No	Yes	11
27-F						No	Yes	11
28-E						No	Yes	11
28-F						No	Yes	11
29-E						No	Yes	11
29-F						No	Yes	11

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
30-E						No	Yes	Dry vegetation
30-F						No	Yes	//
31-E						No	Yes	//
31-F						No	Yes	//
32-E						No	Yes	//
32-F						No	Yes	//
33-E						No	Yes	//
33-F						No	Yes	//
34-E						No	Yes	//
34-F						No	Yes	//
35-E						No	Yes	//
35-F						No	Yes	//
36-E						No	Yes	//
36-F						No	Yes	//
37-E						No	Yes	//
37-F						No	Yes	//
38-E						No	Yes	//
38-F						No	Yes	//
39-E						No	Yes	//
39-F						No	Yes	//

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water-Soil Erosion Control	Comments
40-E						No	Yes	Dry vegetation
40-F						No	Yes	"
41-E						No	Yes	"
41-F						No	Yes	"
42-E						No	Yes	"
42-F						No	Yes	"
43-E						No	Yes	"
43-F						No	Yes	"
44-E						No	Yes	Water presence retention
44-F						No	Yes	water present on retention

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
1-G						No	Yes	Dry vegetation
1-H						No	Yes	"
2-G						No	Yes	"
2-H						No	Yes	"
3-G						No	Yes	"
3-H						No	Yes	"
4-G						No	Yes	"
4-H						No	Yes	"
5-G						No	Yes	"
5-H						No	Yes	"
6-G						No	Yes	"
6-H						No	Yes	"
7-G						No	Yes	"
7-H						No	Yes	"
8-G						No	Yes	"
8-H						No	Yes	"
9-G						No	Yes	"
9-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
10-G						No	Yes	Dry vegetations
10-H						No	Yes	"
11-G						No	Yes	"
11-H						No	Yes	"
12-G						No	Yes	"
12-H						No	Yes	"
13-G						No	Yes	"
13-H						No	Yes	"
14-G						No	Yes	"
14-H						No	Yes	"
15-G						No	Yes	"
15-H						No	Yes	"
16-G						No	Yes	"
16-H						No	Yes	"
17-G						No	Yes	"
17-H						No	Yes	"
18-G						No	Yes	"
18-H						No	Yes	"
19-G						No	Yes	"
19-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
20-G						No	Yes	Dry vegetation
20-H						No	Yes	"
21-G						No	Yes	
21-H						No	Yes	
22-G						No	Yes	
22-H						No	Yes	
23-G						No	Yes	Dry Vegetations
23-H						No	Yes	"
24-G						No	Yes	"
24-H						No	Yes	"
25-G						No	Yes	"
25-H						No	Yes	"
26-G						No	Yes	"
26-H						No	Yes	"
27-G						No	Yes	"
27-H						No	Yes	"
28-G						No	Yes	"
28-H						No	Yes	"
29-G						No	Yes	"
29-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
30-G						No	Yes	Dry Vegetation
30-H						No	Yes	"
31-G						No	Yes	"
31-H						No	Yes	"
32-G						No	Yes	"
32-H						No	Yes	"
33-G						No	Yes	"
33-H						No	Yes	"
34-G						No	Yes	"
34-H						No	Yes	"
35-G						No	Yes	"
35-H						No	Yes	"
36-G						No	Yes	"
36-H						No	Yes	"
37-G						No	Yes	"
37-H						No	Yes	"
38-G						No	Yes	"
38-H						No	Yes	"
39-G						No	Yes	"
39-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
40-G						No	Yes	Dry vegetation
40-H						No	Yes	"
41-G						No	Yes	"
41-H						No	Yes	"
42-G						No	Yes	"
42-H						No	Yes	"
43-G						No	Yes	"
43-H						No	Yes	"
44-G						No	Yes	"
44-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
45-A						No	Yes	Dry vegetation
46-A						No	Yes	"
47-A						No	Yes	"
48-A						No	Yes	"
49-A						No	Yes	"
50-A						No	Yes	"
51-A						No	Yes	"
52-A						No	Yes	"
53-A						No	Yes	"
54-A						No	Yes	"
55-A						No	Yes	"
56-A						No	Yes	"
57-A						No	Yes	"
58-A						No	Yes	"
59-A						No	Yes	"
60-A						No	Yes	"
61-A						No	Yes	"
62-A						No	Yes	"
63-A						No	Yes	"
64-A						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
65-A						No	Yes	Dry Vegetation
66-A						No	Yes	"
67-A						No	Yes	"
68-A						No	Yes	"
69-A						No	Yes	
70-A						No	Yes	
71-A						No	Yes	
72-A						No	Yes	Dry Vegetation
73-A						No	Yes	"
74-A						No	Yes	"
75-A						No	Yes	"
76-A						No	Yes	"
77-A						No	Yes	"
78-A						No	Yes	"
79-A						No	Yes	
80-A						No	Yes	
81-A						No	Yes	
82-A						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
B3-A						No	Yes	Dry vegetation
B4-A						No	Yes	"
B5-A						No	Yes	"
B6-A						No	Yes	"
B7-A						No	Yes	
B8-A						No	Yes	
B9-A						No	Yes	Dry vegetation
90-A						No	Yes	"
91-A						No	Yes	"
92-A						No	Yes	"
93-A						No	Yes	"
94-A						No	Yes	"
95-A						No	Yes	"
96-A						No	Yes	"
97-A						No	Yes	"
98-A						No	Yes	"
99-A						No	Yes	"
100-A						No	Yes	
101-A						No	Yes	
102-A						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
103-A						No	Yes	
104-A						No	Yes	
105-A						No	Yes	Dry vegetations
106-A						No	Yes	"
107-A						No	Yes	"
108-A						No	Yes	"
109-A						No	Yes	"
110-A						No	Yes	"
111-A						No	Yes	"
112-A						No	Yes	"
113-A						No	Yes	"
114-A						No	Yes	"
115-A						No	Yes	"
116-A						No	Yes	"
117-A						No	Yes	"
118-A						No	Yes	"
119-A						No	Yes	"
120-A						No	Yes	"
121-A						No	Yes	"
122-A						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
52-C						No	Yes	Dry vegetation
53-C						No	Yes	
54-C						No	Yes	11
55-C						No	Yes	
56-C						No	Yes	
57-C						No	Yes	11
58-C						No	Yes	11
59-C						No	Yes	11
60-C						No	Yes	11
61-C						No	Yes	11
62-C						No	Yes	11
63-C						No	Yes	11
64-C						No	Yes	
65-C						No	Yes	11
66-C						No	Yes	
67-C						No	Yes	11
68-C						No	Yes	11
69-C						No	Yes	11
70-C						No	Yes	11
71-C						No	Yes	11

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
72-C						No	Yes	
73-C						No	Yes	
74-C						No	Yes	
75-C						No	Yes	
76-C						No	Yes	Dry vegetation
77-C						No	Yes	11
78-C						No	Yes	11
79-C						No	Yes	11
80-C						No	Yes	
81-C						No	Yes	
82-C						No	Yes	11
83-C						No	Yes	
84-C						No	Yes	
85-C						No	Yes	11
86-C						No	Yes	11
87-C						No	Yes	11
88-C						No	Yes	11
89-C						No	Yes	11
90-C						No	Yes	11
91-C						No	Yes	11

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
92-C						No	Yes	
93-C						No	Yes	
94-C						No	Yes	
95-C						No	Yes	
96-C						No	Yes	
97-C						No	Yes	
98-C						No	Yes	
99-C						No	Yes	
100-C						No	Yes	
101-C						No	Yes	
102-C						No	Yes	
103-C						No	Yes	
104-C						No	Yes	
105-C						No	Yes	
106-C						No	Yes	
107-C						No	Yes	
108-C						No	Yes	
109-C						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
110-C						No	Yes	"
111-C						No	Yes	"
112-C						No	Yes	"
113-C						No	Yes	"
114-C						No	Yes	"
115-C						No	Yes	"
118-C						No	Yes	"
119-C						No	Yes	"
120-C						No	Yes	"
121-C						No	Yes	"
122-C						No	Yes	"
123-C						No	Yes	"
124-C						No	Yes	"
125-C						No	Yes	"
126-C						No	Yes	"
127-C						No	Yes	"
128-C						No	Yes	"
45-D						No	Yes	"
46-D						No	Yes	"
47-D						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water, Soil Erosion Control	Comments
48-D						No	Yes	
49-D						No	Yes	
50-D						No	Yes	Dry vegetation
51-D						No	Yes	"
52-D						No	Yes	"
53-D						No	Yes	"
54-D						No	Yes	"
55-D						No	Yes	"
56-D						No	Yes	"
57-D						No	Yes	"
58-D						No	Yes	"
59-D						No	Yes	"
60-D						No	Yes	"
61-D						No	Yes	"
62-D						No	Yes	"
63-D						No	Yes	"
64-D						No	Yes	
65-D						No	Yes	
66-D						No	Yes	
67-D						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
68-D						No	Yes	Dry Vegetation
69-D						No	Yes	"
70-D						No	Yes	"
71-D						No	Yes	"
72-D						No	Yes	.
73-D						No	Yes	.
74-D						No	Yes	.
75-D						No	Yes	"
76-D						No	Yes	"
77-D						No	Yes	"
78-D						No	Yes	"
79-D						No	Yes	.
80-D						No	Yes	"
81-D						No	Yes	.
82-D						No	Yes	.
83-D						No	Yes	"
84-D						No	Yes	"
85-D						No	Yes	"
86-D						No	Yes	"
87-D						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
88-D						No	Yes	Dry Vegetation
89-D						No	Yes	"
90-D						No	Yes	"
91-D						No	Yes	"
92-D						No	Yes	"
93-D						No	Yes	"
94-D						No	Yes	"
95-D						No	Yes	"
96-D						No	Yes	"
97-D						No	Yes	"
98-D						No	Yes	"
99-D						No	Yes	"
100-D						No	Yes	"
101-D						No	Yes	"
102-D						No	Yes	"
103-D						No	Yes	"
104-D						No	Yes	"
105-D						No	Yes	"
106-D						No	Yes	"
107-D						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
108-D						No	Yes	Dry vegetation
109-D						No	Yes	"
110-D						No	Yes	"
111-D						No	Yes	"
112-D						No	Yes	"
113-D						No	Yes	"
114-D						No	Yes	"
115-D						No	Yes	"
116-D						No	Yes	"
117-D						No	Yes	"
118-D						No	Yes	
119-D						No	Yes	
120-D						No	Yes	"
121-D						No	Yes	"
122-D						No	Yes	"
123-D						No	Yes	"
124-D						No	Yes	"
125-D						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
126-1						No	Yes	Dry Vegetation
127-1						No	Yes	"
128-1						No	Yes	"
45-E						No	Yes	"
46-E						No	Yes	"
47-E						No	Yes	
48-E						No	Yes	
49-E						No	Yes	"
50-E						No	Yes	"
51-E						No	Yes	
52-E						No	Yes	
53-E						No	Yes	"
54-E						No	Yes	"
55-E						No	Yes	
56-E						No	Yes	
57-E						No	Yes	"
58-E						No	Yes	"
59-E						No	Yes	"
60-E						No	Yes	"
61-E						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
62-E						No	Yes	Dry vegetation
63-E						No	Yes	"
64-E						No	Yes	"
65-E						No	Yes	"
66-E						No	Yes	
67-E						No	Yes	
68-E						No	Yes	"
69-E						No	Yes	"
70-E						No	Yes	"
71-E						No	Yes	"
72-E						No	Yes	
73-E						No	Yes	
74-E						No	Yes	"
75-E						No	Yes	"
76-E						No	Yes	"
77-E						No	Yes	
78-E						No	Yes	
45-F						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
46-F						No	Yes	Dry vegetation
47-F						No	Yes	"
48-F						No	Yes	"
49-F						No	Yes	"
50-F						No	Yes	"
51-F						No	Yes	
52-F						No	Yes	
53-F						No	Yes	"
54-F						No	Yes	"
55-F						No	Yes	
56-F						No	Yes	
57-F						No	Yes	"
58-F						No	Yes	
59-F						No	Yes	
60-F						No	Yes	"
61-F						No	Yes	"
62-F						No	Yes	"
63-F						No	Yes	"
64-F						No	Yes	"
66-F						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
66-F						No	Yes	Dry vegetation
67-F						No	Yes	"
68-F						No	Yes	"
69-F						No	Yes	"
70-F						No	Yes	"
71-F						No	Yes	.
72-F						No	Yes	.
73-F						No	Yes	"
74-F						No	Yes	.
75-F						No	Yes	.
76-F						No	Yes	"
77-F						No	Yes	.
78-F						No	Yes	.
45-G						No	Yes	"
46-G						No	Yes	"
47-G						No	Yes	"
48-G						No	Yes	"
49-G						No	Yes	"
50-G						No	Yes	"
51-G						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
52-G						No	Yes	
53-G						No	Yes	
54-G						No	Yes	
55-G						No	Yes	
56-G						No	Yes	
57-G						No	Yes	
58-G						No	Yes	
59-G						No	Yes	
60-G						No	Yes	
61-G						No	Yes	
62-G						No	Yes	
63-G						No	Yes	
64-G						No	Yes	
65-G						No	Yes	
66-G						No	Yes	
67-G						No	Yes	
68-G						No	Yes	
69-G						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Hesder Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water, Soil Erosion Control	Comments
70-G						No	Yes	Dry vegetation
71-G						No	Yes	"
72-G						No	Yes	"
73-G						No	Yes	"
74-G						No	Yes	"
75-G						No	Yes	"
76-G						No	Yes	"
77-G						No	Yes	"
78-G						No	Yes	"
45-H						No	Yes	"
46-H						No	Yes	"
47-H						No	Yes	"
48-H						No	Yes	"
49-H						No	Yes	"
50-H						No	Yes	"
51-H						No	Yes	"
52-H						No	Yes	"
53-H						No	Yes	"
54-H						No	Yes	"
56-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
57-H						No	Yes	"
58-H						No	Yes	"
59-H						No	Yes	"
60-H						No	Yes	"
61-H						No	Yes	"
62-H						No	Yes	"
63-H						No	Yes	"
64-H						No	Yes	"
65-H						No	Yes	"
67-H						No	Yes	"
68-H						No	Yes	"
69-H						No	Yes	"
70-H						No	Yes	"
71-H						No	Yes	"
72-H						No	Yes	"
73-H						No	Yes	Dry vegetation
74-H						No	Yes	"
75-H						No	Yes	"
76-H						No	Yes	"
77-H						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrikation Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
78-H						No	Yes	Dry vegetation
45-I						No	Yes	"
46-I						No	Yes	"
47-I						No	Yes	
48-I						No	Yes	.
49-I						No	Yes	.
50-I						No	Yes	.
51-I						No	Yes	.
52-I						No	Yes	"
53-I						No	Yes	"
54-I						No	Yes	"
55-I						No	Yes	"
56-I						No	Yes	"
57-I						No	Yes	"
58-I						No	Yes	"
59-I						No	Yes	"
60-I						No	Yes	"
61-I						No	Yes	"
62-I						No	Yes	"
63-I						No	Yes	.

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
82-I						No	Yes	Dry Vegetations
45-J						No	Yes	"
46-J						No	Yes	"
47-J						No	Yes	
48-J						No	Yes	
49-J						No	Yes	
50-J						No	Yes	
51-J						No	Yes	
52-J						No	Yes	"
53-J						No	Yes	"
54-J						No	Yes	"
55-J						No	Yes	"
56-J						No	Yes	"
57-J						No	Yes	"
58-J						No	Yes	"
59-J						No	Yes	"
60-J						No	Yes	"
61-J						No	Yes	"
62-J						No	Yes	"
63-J						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date;	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
64-I						No	Yes	
65-I						No	Yes	
66-I						No	Yes	
67-I						No	Yes	
68-I						No	Yes	
69-I						No	Yes	
70-I						No	Yes	
71-I						No	Yes	Dry vegetation
72-I						No	Yes	
73-I						No	Yes	
74-I						No	Yes	
75-I						No	Yes	
76-I						No	Yes	
77-I						No	Yes	
78-I						No	Yes	"
79-I						No	Yes	"
80-I						No	Yes	"
81-I						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
64-J						No	Yes	
65-J						No	Yes	
66-J						No	Yes	
67-J						No	Yes	
68-J						No	Yes	
69-J						No	Yes	
70-J						No	Yes	
71-J						No	Yes	Dry Vegetation
72-J						No	Yes	
73-J						No	Yes	
74-J						No	Yes	
75-J						No	Yes	
76-J						No	Yes	
77-J						No	Yes	
78-J						No	Yes	11
79-J						No	Yes	11
80-J						No	Yes	11
81-J						No	Yes	11
82-J						No	Yes	11
45-K						No	Yes	11

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
123-A						No	Yes	Dry Vegetation
124-A						No	Yes	"
125-A						No	Yes	"
126-A						No	Yes	"
127-A						No	Yes	"
128-A						No	Yes	"
45-B						No	Yes	"
46-B						No	Yes	"
47-B						No	Yes	"
48-B						No	Yes	"
49-B						No	Yes	"
50-B						No	Yes	"
51-B						No	Yes	"
52-B						No	Yes	"
53-B						No	Yes	"
54-B						No	Yes	"
55-B						No	Yes	"
56-B						No	Yes	"
57-B						No	Yes	"
58-B						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
59-B						No	Yes	Dry vegetation
60-B						No	Yes	"
61-B						No	Yes	"
62-B						No	Yes	"
63-B						No	Yes	"
64-B						No	Yes	"
65-B						No	Yes	"
66-B						No	Yes	"
67-B						No	Yes	"
68-B						No	Yes	"
69-B						No	Yes	
70-B						No	Yes	
71-B						No	Yes	
72-B						No	Yes	Dry Vegetation
73-B						No	Yes	"
74-B						No	Yes	"
75-B						No	Yes	"
76-B						No	Yes	"
77-B						No	Yes	"
78-B						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
79-B						No	Yes	
80-B						No	Yes	
81-B						No	Yes	
82-B						No	Yes	
83-B						No	Yes	Dry Vegetation
84-B						No	Yes	"
85-B						No	Yes	"
86-B						No	Yes	"
87-B						No	Yes	
88-B						No	Yes	
89-B						No	Yes	
90-B						No	Yes	
91-B						No	Yes	Dry Vegetation
92-B						No	Yes	"
93-B						No	Yes	"
94-B						No	Yes	"
95-B						No	Yes	"
96-B						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
96-B						No	Yes	Dry Vegetations
97-B						No	Yes	"
98-B						No	Yes	"
99-B						No	Yes	"
100-B						No	Yes	
101-B						No	Yes	
102-B						No	Yes	
103-B						No	Yes	
104-B						No	Yes	
105-B						No	Yes	Dry Vegetations
106-B						No	Yes	"
107-B						No	Yes	"
108-B						No	Yes	"
109-B						No	Yes	"
110-B						No	Yes	"
111-B						No	Yes	"
112-B						No	Yes	"
113-B						No	Yes	"
114-B						No	Yes	"
115-B						No	Yes	"

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
116-B						No	Yes	Dry vegetation
117-B						No	Yes	"
118-B						No	Yes	"
119-B						No	Yes	"
120-B						No	Yes	"
121-B						No	Yes	"
122-B						No	Yes	"
123-B						No	Yes	"
124-B						No	Yes	"
125-B						No	Yes	"
126-B						No	Yes	"
127-B						No	Yes	"
128-B						No	Yes	"
45-C						No	Yes	"
46-C						No	Yes	"
47-C						No	Yes	"
48-C						No	Yes	
49-C						No	Yes	
50-C						No	Yes	
51-C						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind land/or Water Soil Erosion Control	Comments
46-K						No	Yes	
47-K						No	Yes	
48-K						No	Yes	
49-K						No	Yes	
50-K						No	Yes	
51-K						No	Yes	
52-K						No	Yes	
53-K						No	Yes	
54-K						No	Yes	
55-K						No	Yes	
56-K						No	Yes	
57-K						No	Yes	
BB-K						No	Yes	
59-K						No	Yes	
60-K						No	Yes	
61-K						No	Yes	
62-K						No	Yes	
63-K						No	Yes	
64-K						No	Yes	
65-K						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
66-k						No	Yes	
67-k						No	Yes	
68-k						No	Yes	
69-k						No	Yes	
70-k						No	Yes	
71-k						No	Yes	
72-k						No	Yes	
73-k						No	Yes	
74-k						No	Yes	
75-k						No	Yes	
76-k						No	Yes	
77-k						No	Yes	
78-k						No	Yes	
79-k						No	Yes	
80-k						No	Yes	
81-k						No	Yes	
82-K						No	Yes	
93-K						No	Yes	
94-K						No	Yes	
95-K						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
96-K						No	Yes	
97-K						No	Yes	
98-K						No	Yes	
99-K						No	Yes	
100-K						No	Yes	
101-K						No	Yes	
102-K						No	Yes	
103-K						No	Yes	
104-K						No	Yes	
105-K						No	Yes	
106-K						No	Yes	
107-K						No	Yes	
108-K						No	Yes	
109-K						No	Yes	
110-K						No	Yes	
111-K						No	Yes	
112-K						No	Yes	
113-K						No	Yes	
114-K						No	Yes	
115-K						No	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water,Soil Erosion Control	Comments
116-K						No	Yes	
117-K						No	Yes	
118-K						No	Yes	
119-K						No	Yes	
120-K						No	Yes	
121-K						No	Yes	
122-K						No	Yes	
123-K						No	Yes	
124-K						No	Yes	
125-K						No	Yes	
126-K						No	Yes	
127-K						No	Yes	
128-K						No	Yes	
45-L						No	Yes	
46-L						No	Yes	
47-L						No	Yes	
48-L						No	Yes	
49-L						No	Yes	
50-L						No	Yes	
51-L						No	Yes	

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Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
52-L						No	Yes	
53-L						No	Yes	
54-L						No	Yes	
55-L						No	Yes	
56-L						No	Yes	
57-L						No	Yes	
58-L						No	Yes	
59-L						No	Yes	
60-L						No	Yes	
61-L						No	Yes	
62-L						No	Yes	
63-L						No	Yes	
64-L						No	Yes	
65-L						No	Yes	
66-L						No	Yes	
67-L						No	Yes	
68-L						No	Yes	
69-L						No	Yes	
70-L						No	Yes	
71-L						No	Yes	

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Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
72-L						No	Yes	
73-L						No	Yes	
74-L						No	Yes	
76-L						No	Yes	
76-L						No	Yes	
77-L						No	Yes	
78-L						No	Yes	
79-L						No	Yes	
81-L						No	Yes	
82-L						No	Yes	
97-L						No	Yes	
98-L						No	Yes	
99-L						No	Yes	
100-L						No	Yes	
101-L						No	Yes	
102-L						No	Yes	
103-L						No	Yes	
104-L						No	Yes	
105-L						No	Yes	
106-L						No	Yes	

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Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
107-L						No	Yes	
108-L						No	Yes	
109-L						No	Yes	
110-L						No	Yes	
111-L						No	Yes	
112-L						No	Yes	
113-L						No	Yes	
114-L						No	Yes	
115-L						No	Yes	
116-L						No	Yes	
117-L						No	Yes	
118-L						No	Yes	
119-L						No	Yes	
120-L						No	Yes	
121-L						No	Yes	
122-L						No	Yes	
123-L						No	Yes	
124-L						No	Yes	

Maintenance Order
Page 1 from 2

Order N:	5586535
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	03/02/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Priority:		To be done in:	Preventive maintenance order (Solar US)
Execution PM Order:			
Completion date:	3/09/19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17 Hours	Signature:	

Spares inventory | Operation | Description | Quantity | Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0.5	H	COMPLETED		
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16.0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0.5	H			

Maintenance Order
Page 2 from 2

Order N:	5586535
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

Erosion along the north & south access streets is very minimal due to the recent grading done throughout all of beta solar field.

Erosion is still present in between modules and at Drive pylons.

Sand accumulations is visible throughout all basins due to high winds and rain wash up.

End PM Order:

Acceptance date:	3-9-2019	Accepted by:	Glenn Esser
		Position:	
		Signature:	Glenn Esser

Observations:

Maintenance Order
Page 1 from 3

Order N:	5586536
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	03/02/2019	Ordered By:	
Functional Location:	MSPA-SFD Alpha Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Alpha	PM Activity: S27 Predictive / Preventive	

SFD022 Alpha Retention Basins Insp

Work observations, workplace security measures

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	3/7/2019	To be done by:	Solar Field
		Work center:	MSPSED
Hours spent:	17 hours	Signature:	

Spares inventory — Operation — Description — Quantity — Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H	COMPLETED		
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H			

Maintenance Order
Page 2 from 3

Order N:	5586536
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

Manny Garcia - 3/6/19 & 3/7/19

1-68 N side of access street (A through D)
Erosion is present throughout all streets at entry of basin. Sand accumulation through out.
1-68 S side of access
has deep erosion at entry of basin by concrete foundation for pipe loop supports.

1-92 South side access street. (E through H)
Heavy sand accumulation due to wind and [illegible] wash up. Sand is being accumulated at entry of basins by the concrete foundations for loop pipe supports and through out all of basin.

1-92 North side access
Deep erosion present through out due to rain season that is still in effect.

End PM Order:

Acceptance date:	3-7-2019	Accepted by:	Glenn Garcia
		Position:	
		Signature:	Glenn Garcia

Observations:

Maintenance Order Page 3 from 3	Order N:	5586536
	Location:	Mojave Solar
	Order type:	ZM71
	Plant:	0680

Related Equipments

Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field

Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field

93-112 South side access street (A through D)
Sand accumulation due to wind & rain wash up
93-112 North side access - Deep erosion Specially on odd number streets on A channel.

101-202 North side access Street
Erosion is deep on all odd number Streets on E channel. Sand accumulation Through out all basins.
101-202 South side access street.
Sand accumulation is heavy due to high winds around most concrete foundations that hold the supports for loop piping.
Erosion is also present.

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Solar Field Monthly Check List

Operator:	Manny Garcia	**Date:**	8/6/19 — 3/17/19
Shift:	A	**Plant:**	Alpha

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
111-112H							Erosion	
141-142H							✓	
143-144H							✓	
171-172H								Dried Vegetation
181-182H							✓	Erosion
199-200H							✓	Erosion
101-202H						✓		Sand accumulation caused by wind.
185-186E							✓	Erosion
183-184E							✓	Erosion
173-174E							✓	Erosion
165-166E							✓	Erosion
159-160E							✓	Erosion
147E							✓	Erosion
139E 5N							✓	Erosion
137E 5N							✓	Erosion
135E 5N							✓	Erosion
127E 5N							✓	Erosion
125E 5N							✓	Erosion

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
101A							✓	Erosion
99A							✓	Erosion
97A							✓	
95A							✓	
93A							✓	
7-8D	(5S)						✓	
9-10D	(5S)						✓	
11-12D	(5S)						✓	
13-14D	(5S)						✓	
15-16D	(5S)						✓	
17-18D	(5S)						✓	
19-20D	(5S)						✓	
21-22D	(5S)						✓	
41 42A	(5S)						✓	
27-28A	(5N)						✓	
25-26	(5N)						✓	
11-12	(5N)						✓	
7-8	(5N)						✓	

Maintenance Order
Page 1 from 3

Order N:	5589801
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	04/07/2019	Ordered By:	
Functional Location:	MSPA-SFD Alpha Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Alpha	PM Activity: S27 Predictive / Preventive	

SFD022 Alpha Retention Basins Insp

Work observations, workplace security measures

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	4.10.19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	90	Signature:	

Spares inventory — Operation — Description — Quantity — Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H			

COMPLETED

Maintenance Order

Order N:	5589801
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

COMPLETED

End PM Order:

Acceptance date:	4-10-2019	Accepted by:	Glenn Goeden
		Position:	
		Signature:	Glenn Goeden

Observations:

Maintenance Order Page 3 from 3	Order N:	5589801
	Location:	Mojave Solar
	Order type:	ZM71
	Plant:	0680

Related Equipments

Tag#		
Equipment:		
Func. Location:	MSPA-SFD	Alpha Solar Field
Operation:		

Tag#		
Equipment:		
Func. Location:	MSPA-SFD	Alpha Solar Field
Operation:		

Maintenance Order

Order N:	5589828
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	04/08/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Please See attachment

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	4/13/19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17 hrs	Signature:	Hector Padilla

Spares inventory — Operation — Description — Quantity — Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H			

Maintenance Order

Order N:	5589828
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

End PM Order:

Acceptance date:		Accepted by:	
		Position:	weight foreman
		Signature:	Gary Gardner

Observations:

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Mojave Solar LLC

Retention

Solar Field ~~Monthly~~ Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
45A-46D						NO	Yes	Vegetation
47A-48D						NO	Yes	Vegetation
49A-50D						NO	Yes	Vegetation
51A-52D						NO	Yes	Vegetation
53A-54D						NO	Yes	Vegetation
55A-56D						NO	Yes	Vegetation
57A-58D						NO	Yes	Vegetation
59A-60D						NO	Yes	Veg.
61A-62D						NO	Yes	Veg.
63A-64D						NO	Yes	Veg
65A-66D						NO	Yes	Veg
67A-68D						NO	Yes	Veg
69A-70D						NO	Yes	Veg
71A-72D						NO	Yes	Veg
73A-74D						NO	Yes	Veg
75A-76D						NO	Yes	Veg
77A-78D						NO	Yes	Veg
79A-80D						NO	Yes	Veg
81A-82D						NO	Yes	Veg
83A-84D						NO	Yes	Veg

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Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
85A-86D						NO	Yes	Vegetation
87A-88D						NO	Yes	Vegetation
89A-90D						NO	Yes	Veg.
91A-92D						NO	Yes	Veg.
93A-94D						NO	Yes	Veg.
95A-96D						NO	Yes	Veg.
97A-98D						NO	Yes	Veg.
99A-100D						NO	Yes	Veg.
101A-102D						NO	Yes	Veg.
103A-104D						NO	Yes	Veg.
105A-106D						NO	Yes	Veg.
107A-108D						NO	Yes	Veg.
109A-110D						NO	Yes	Veg.
111A-112D						NO	Yes	Veg.
113A-114D						NO	Yes	Veg.
115A-116D						NO	Yes	Veg.
117A-118D						NO	Yes	Veg.
119A-120D						NO	Yes	Veg.
121A-122D						NO	Yes	Veg.
123A-124D						NO	Yes	Veg.
125A-126D								
127A-128D								

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Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
1E-2H	—	—	—	—	—	NO	Yes	Vegetation
3E-4H	—	—	—	—	—	NO	Yes	Vegetation
5E-6H	—	—	—	—	—	NO	Yes	Vegetation
7E-8H	—	—	—	—	—	NO	Yes	Vegetation
9E-10H	—	—	—	—	—	NO	Yes	Veg
11E-12H	—	—	—	—	—	NO	Yes	Veg
13E-14H	—	—	—	—	—	NO	Yes	Veg
15E-16H	—	—	—	—	—	NO	Yes	Veg
17E-18H	—	—	—	—	—	NO	Yes	Veg
19E-20H	—	—	—	—	—	NO	Yes	Veg
21E-22H	—	—	—	—	—	NO	Yes	Veg
23E-24H	—	—	—	—	—	NO	Yes	Veg
25E-26H	—	—	—	—	—	NO	Yes	Veg
27E-28H	—	—	—	—	—	NO	Yes	Veg
29E-30H	—	—	—	—	—	NO	Yes	Veg
31E-32H	—	—	—	—	—	NO	Yes	Veg
33E-34H	—	—	—	—	—	NO	Yes	Veg
35E-36H	—	—	—	—	—	NO	Yes	Veg
37E-38H	—	—	—	—	—	NO	Yes	Veg
39E-40H	—	—	—	—	—	NO	Yes	Veg

ABENGOA

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
41E-42H	—					NO	Yes	Vegetation
43E-44H						NO	Yes	Vegetation + Water
45E-46H						No	Yes	Veg
47E-48H						NO	Yes	Veg
49E-50H						NO	Yes	Veg
51E-52H						NO	Yes	Veg
53E-54H						NO	Yes	Veg
55E-56H						NO	Yes	Veg
57E-58H						NO	Yes	Veg
59E-60H						NO	Yes	Veg
61E-62H						NO	Yes	Veg
63E-64H						NO	Yes	Veg
65E-66H						NO	Yes	Veg
67E-68H						NO	Yes	Veg
69E-70H						NO	Yes	Veg
71E-72H						NO	Yes	Veg
73E-74H						NO	Yes	Veg
75E-76H						NO	Yes	Veg
77E-78H						NO	Yes	Veg
87E-88H						NO	Yes	Veg

ABENGOA

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
89E-90H						NO	Yes	Vegatation
91E-92H						NO	Yes	Vegatation
93E-94H						NO	Yes	Veg
95E-96H						NO	Yes	Veg
97E-98H						NO	Yes	Veg
99E-100H						NO	Yes	Veg
101E-102H						NO	Yes	Veg
103E-104H						NO	Yes	Veg
105E-106H						NO	Yes	Veg
107E-108H						NO	Yes	Veg
109E-110H						NO	Yes	Veg
111E-112H						NO	Yes	Veg
113E-114H						NO	Yes	Veg
115E-116H						NO	Yes	Veg
117E-118H						NO	Yes	Veg
119E-120H						NO	Yes	Veg
121E-122H						NO	Yes	Veg
123E-124H						NO	Yes	Veg
125E-126H						NO	Yes	Veg
127E-128H						No	Yes	Veg

ABENGOA

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
45I-46L						NO	Yes	Vegetation
47I-48L						NO	Yes	Veg
49I-50L						NO	Yes	Veg
51I-52L						NO	Yes	Veg
53I-54L						NO	Yes	Veg
55I-56L						NO	Yes	Veg
57I-58L						NO	Yes	Veg
59I-60L						NO	Yes	Veg
61I-62L						NO	Yes	Veg
63I-64L						NO	Yes	Veg
65I-66L						NO	Yes	Veg
67I-68L						NO	Yes	Veg
69I-70L						NO	Yes	Veg
71I-72L						NO	Yes	Veg
73I-74L						NO	Yes	Veg
75I-76L						NO	Yes	Veg
77I-78L						NO	Yes	Veg
79I-80L						NO	Yes	Veg
81I-82L						NO	Yes	Veg
83I-84L						NO	Yes	Veg

ABENGOA

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [illegible]	Comments
85I-86J						NO	Yes	Vegetation
87I-88J						NO	Yes	Veg
89I-90J						NO	Yes	Veg
91I-92J						NO	Yes	Veg
93I-94K						NO	Yes	Veg
95I-96K						NO	Yes	Veg
97I-98L						NO	Yes	Veg
99I-100L						NO	Yes	Veg
101I-102L						NO	Yes	Veg
103I-104L						NO	Yes	Veg
105I-106L						NO	Yes	Veg
107I-108L						NO	Yes	Veg
109I-110L						NO	Yes	Veg
111I-112L						NO	Yes	Veg
113I-114L						NO	Yes	Veg
115I-116L						NO	Yes	Veg
117I-118L						NO	Yes	Veg
119I-120L						NO	Yes	Veg
121I-122L						NO	Yes	Veg
123I-124L						NO	Yes	Veg

ABENGOA

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Loose Hardware	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
125I-126L						NO	Yes	Vegetation
127I-128L						NO	Yes	Vegetation

SFD

Maintenance Order
Page 1 from 2

Order N:	5591427
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	05/14/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	5/18/19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17 Hours	Signature:	

Spares inventory	Operation	Description	Quantity	Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H	COMPLETED		
0020 - Solar Field - 4.1 Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation	16,0	H			
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a	0,5	H			

Doc # G70-16-0040-CP-FOR 00007

P.M. 9902.

Maintenance Order
Page 2 from 2

Order N:	5591427
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
cleaner condition than when you arrived.				

Manuel Gonzalez 17 hours

COMPLETED

End PM Order:

Acceptance date:	5-18-2019	Accepted by:	Glenn Gaten
		Position:	
		Signature:	

Observations:

Maintenance Order
Page 1 from 3

Order N:	5591831
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	05/23/2019	Ordered By:	
Functional Location:	MSPA-SFD Alpha Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Alpha	PM Activity: S27 Predictive / Preventive	

SFD022 Alpha Retention Basins Insp

Work observations, workplace security measures

Please see attachment.

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	5-23-19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	[redacted] 17	Signature:	Hector Pallas

Spares inventory	Operation	Description	Quantity	Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation, spot check of grading (depth and slope) b. Inspection of vegetation Fill out the checklist; https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-	16,0	H			

Maintenance Order

Order N:	5591831
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.		Real T.	Start	To be done by:
16-0040-CP-FOR-000007%20Solar%20Field%20Monthly%20Check list.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e233					
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0,5	H			

End PM Order:

Acceptance date:		Accepted by:	
		Position:	
		Signature:	

Observations:

Maintenance Order Page 3 from 3	Order N:	5591831
	Location:	Mojave Solar
	Order type:	ZM71
	Plant:	0680

Related Equipments

Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field
Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:	Hector Padilla	**Date:**	5-22-19
Shift:	B	**Plant:**	Alpha

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
1A-2D						NO	Yes	
3A-4D						NO	Yes	
5A-6D						NO	Yes	
7A-8D						NO	Yes	Vegetation
9A-10D						NO	Yes	Vegetation
11A-12D						NO	Yes	Vegetation
13A-14D						NO	Yes	Dried Vegetation
15A-16D						NO	Yes	Dried Vegetation
17A-18D						NO	Yes	Vegetation
19A-20D						NO	Yes	Vegetation
21A-22D						NO	Yes	Dried Vegetation
23A-24D						NO	Yes	Vegetation
25A-26D						NO	Yes	Vegetation
27A-28D						NO	Yes	Vegetation
29A-30D						NO	Yes	Dried Vegetation
31A-32D						NO	Yes	Dried Vegetation
33A-34D						NO	Yes	Dried Vegetation
35A-36D						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
37A-38D						NO	Yes	Vegetation
39A-40D						NO	Yes	Vegetation
41A-42D						NO	Yes	
43A-44D						NO	Yes	
45A-46D						NO	Yes	Dried Vegetation
47A-48D						NO	Yes	Dried Vegetation
49A-50D						NO	Yes	Dried Vegetation
51A-52D						NO	Yes	Vegetation
53A-54D						NO	Yes	Vegetation
55A-56D						NO	Yes	Dried Vegetation
57A-58D						NO	Yes	Dried Vegetation
59A-60D						NO	Yes	Dried Vegetation
61A-62D						NO	Yes	
63A-64D						NO	Yes	
65A-66D						NO	Yes	Dried Vegetation
67A-68D						NO	Yes	Dried Vegetation
93A-94D						NO	Yes	Vegetation
95A-96D						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
97A-98D						NO	Yes	
99A-100D						NO	Yes	Dried Vegetation
101A-102D						NO	Yes	Vegetation
103A-104D						NO	Yes	Vegetation
105A-106D						NO	Yes	
107A-108D						NO	Yes	
109A-110D						NO	Yes	Vegetation
111A-112D						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
1E-2H						NO	Yes	Vegetation
3E-4H						NO	Yes	Vegetation
5E-6H						NO	Yes	Dried Vegetation
7E-8H						NO	Yes	
9E-10H						NO	Yes	Vegetation
11E-12H						NO	Yes	Vegetation
13E-14H						NO	Yes	Vegetation
15E-16H						NO	Yes	Dried Vegetation
17E-18H						NO	Yes	Vegetation
19E-20H						NO	Yes	Vegetation
21E-22H						Yes	Yes	Dried Vegetation
23E-24H						Yes	Yes	
25E-26H						Yes	Yes	
27E-28H						Yes	Yes	Dried Vegetation
29E-30H						Yes	Yes	Dried Vegetation
31E-32H						Yes	Yes	Dried Vegetation
33E-34H						Yes	Yes	Vegetation
35E-36H						Yes	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collectors	Header Skid	Oil Level switchboa	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
37E-38H						Yes	Yes	Dried Vegetation
39E-40H						Yes	Yes	Dried Vegetation
41E-42H						Yes	Yes	Vegetation
43E-44H						Yes	Yes	Dried Vegetation
45E-46H						Yes	Yes	Dried Vegetation
47E-48H						Yes	Yes	Dried Vegetation
49E-50H						Yes	Yes	Dried Vegetation
51E-52H						Yes	Yes	Dried Vegetation
53E-54H						Yes	Yes	Vegetation
55E-56H						Yes	Yes	Dried Vegetation
57E-58H						Yes	Yes	Vegetation
59E-60H						Yes	Yes	Vegetation
61E-62H						Yes	Yes	
63E-64H						Yes	Yes	Vegetation
65E-66H						Yes	Yes	Dried Vegetation
67E-68H						Yes	Yes	Vegetation
69E-70H						NO	Yes	Vegetation
71E-72H						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
73E-74H						NO	Yes	Vegetation
75E-76H						NO	Yes	Dried Vegetation
77E-78H						NO	Yes	Dried Vegetation
79E-80H						NO	Yes	Dried Vegetation
81E-82H						NO	Yes	Dried Vegetation
83E-84H						NO	Yes	
85E-86H						Yes	Yes	Dried Vegetation
87E-88H						Yes	Yes	Dried Vegetation
89E-90H						Yes	Yes	Vegetation
91E-92H						Yes	Yes	Dried Vegetation
101E-102H						NO	Yes	Vegetation
103E-104H						NO	Yes	Dried Vegetation
105E-106H						NO	Yes	
107E-108H						NO	Yes	Vegetation
109E-110H						NO	Yes	Dried Vegetation
111E-112H						NO	Yes	Dried Vegetation
113E-114H						NO	Yes	Dried Vegetation
115E-116H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
117E-118H						NO	Yes	Vegetation
119E-120H						NO	Yes	Vegetation
121E-122H						NO	Yes	Vegetation
123E-124H						NO	Yes	
125E-126H						NO	Yes	
127E-128H						NO	Yes	Vegetation
129E-130H						NO	Yes	Vegetation
131E-132H						NO	Yes	Vegetation
133E-134H						NO	Yes	
135E-136H						NO	Yes	Vegetation
137E-138H						NO	Yes	Vegetation
139E-140H						NO	Yes	Dried Vegetation
141E-142H						NO	Yes	Dried Vegetation
143E-144H						NO	Yes	Dried Vegetation
145E-146H						NO	Yes	Dried Vegetation
147E-148H						NO	Yes	Dried Vegetation
149E-150H						NO	Yes	Dried Vegetation
151E-152H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
153E-154H						NO	Yes	Dried Vegetation
155E-156H						NO	Yes	Dried Vegetation
157E-158H						NO	Yes	Dried Vegetation
159E-160H						NO	Yes	Dried Vegetation
161E-162H						NO	Yes	Dried Vegetation
163E-164H						NO	Yes	Dried Vegetation
165E-166H						NO	Yes	Dried Vegetation
167E-168H						NO	Yes	Dried Vegetation
169E-170H						NO	Yes	Dried Vegetation
171E-172H						NO	Yes	Dried Vegetation
173E-174H						NO	Yes	Dried Vegetation
175E-176H						NO	Yes	Dried Vegetation
177E-178H						NO	Yes	Dried Vegetation
179E-180H						NO	Yes	Dried Vegetation
181E-182H						NO	Yes	Dried Vegetation
183E-184H						NO	Yes	Dried Vegetation
185E-186H						NO	Yes	Dried Vegetation
187E-188H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Operator:		Date:	
Shift:		Plant:	

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
189E-190W						NO	Yes	
191E-192W						NO	Yes	Dried Vegetation
193E-194W						NO	Yes	Dried Vegetation
195E-196W						NO	Yes	Dried Vegetation
197E-198W						NO	Yes	Vegetation
199E-200W						Yes	Yes	Dried Vegetation
201E-202W						Yes	Yes	Dried Vegetation

Maintenance Order
Page 1 from 2

Order N:	5596518
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	06/17/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Please See attachment

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order

Completion date:	6/22/19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17	Signature:	Hector P.

Spares inventory | Operation | Description | Quantity | Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation Fill out the check list: https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-16-0040-CP-FOR-	16,0	H			

Maintenance Order

Order N:	5596518
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.		Real T.	Start	To be done by:
000007%20Solar%20Field%20Monthly%20Checklist.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e239					
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0,5	H			

End PM Order:

Acceptance date:		Accepted by:	
		Position:	
		Signature:	Cory Barden

Observations:

ABENGOA SOLAR

Mojave Solar LLC

D.V. = Dried Vegetation

Solar Field Monthly Check List

Operator:	Hector P.	Date:	6-21-19
Shift:	B	Plant:	Beta

Collector	Header Skid	Oil Level Switchboard	Piston Bin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
1E-2H						NO	Yes	Dried Vegetation
3E-4H						NO	Yes	Dried Vegetation
5E-6H						NO	Yes	Dried Vegetation
7E-8H						NO	Yes	Dried Vegetation
9E-10H						NO	Yes	Dried Vegetation
11E-12H						NO	Yes	Vegetation + Dried Vegetation
13E-14H						NO	Yes	Dried Vegetation
15E-16H						NO	Yes	Dried Vegetation
17E-18H						NO	Yes	Dried Vegetation
19E-20H						NO	Yes	D.V.
21E-22H						NO	Yes	D.V.
23E-24H						NO	Yes	D.V
25E-26H						NO	Yes	D.V
27E-28H						NO	Yes	D.V
29E-30H						NO	Yes	D.V
31E-32H						NO	Yes	D.V
33E-34H						NO	Yes	D.V
35E-36H						NO	Yes	D.V

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Mojave Solar LLC

Solar Field Monthly Check List

D.V. = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
37E-38H						NO	Yes	D.V
39E-40H						NO	Yes	D.V
41E-42H						NO	Yes	D.V
43E-44H						Yes	Yes	D.V
45E-46H						Yes	Yes	D.V.
47E-48H						NO	Yes	
49E-50H						NO	Yes	
51E-52H						NO	Yes	D.V.
53E-54H						NO	Yes	
55E-56H						NO	Yes	
57E-58H						NO	Yes	
59E-60H						NO	Yes	
61E-62H						NO	Yes	
63E-64H						NO	Yes	
65E-66H						NO	Yes	D.V.
67E-68H						NO	Yes	
69E-70H						NO	Yes	D.V.
71E-72H						NO	Yes	
73E-74H						NO	Yes	
75E-76H						NO	Yes	

ABENGOA SOLAR

[illegible]ve Solar LLC

Solar Field Monthly Check List

D.V. = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [illegible]	Comments
77E-78H						NO	Yes	D.V
87E-88H						NO	Yes	
89E-90H						NO	Yes	D.V.
91E-92H						NO	Yes	Vegetation + D.V.
93E-94H						NO	Yes	
95E-96H						NO	Yes	Dried Vegetation
97E-98H						NO	Yes	
99E-100H						NO	Yes	
101E-102H						NO	Yes	
103E-104H						NO	Yes	
105E-106H						NO	Yes	
107E-108H						NO	Yes	
109E-110H						NO	Yes	
111E-112H						NO	Yes	
113E-114H						NO	Yes	
115E-116H						NO	Yes	
117E-118H						NO	Yes	
119E-120H						NO	Yes	
121E-122H						NO	Yes	
123E-124H						NO	Yes	

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
125E-126H						NO	Yes	
127E-128H						NO	Yes	Dried Vegetation

ABENGOA SOLAR

e Solar LLC

D.V. = Dried Vegetation

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
45A-46D						NO	Yes	D.V.
47A-48D						NO	Yes	D.V
49A-50D						NO	Yes	D.V.
51A-52D						NO	Yes	D.V.
53A-54D						NO	Yes	D.V.
55A-56D						NO	Yes	D.V.
57A-58D						NO	Yes	D.V.
59A-60D						NO	Yes	D.V.
61A-62D						NO	Yes	D.V.
63A-64D						NO	Yes	D.V.
65A-66D						NO	Yes	D.V.
67A-68D						NO	Yes	D.V.
69A-70D						NO	Yes	D.V.
71A-72D						NO	Yes	D.V.
73A-74D						NO	Yes	D.V.
75A-76D						NO	Yes	D.V.
77A-78D						NO	Yes	D.V.
79A-80D						NO	Yes	D.V.
81A-82D						NO	Yes	D.V
83A-84D						NO	Yes	D.V.

ABENGOA SOLAR

Solar LLC

Solar Field Monthly Check List

D.V = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
85A-86D						NO	Yes	
87A-88D						NO	Yes	
89A-90D						NO	Yes	
91A-92D						NO	Yes	
93A-94D						NO	Yes	
95A-96D						NO	Yes	
97A-98D						NO	Yes	
99A-100D						NO	Yes	
101A-102D						NO	Yes	
103A-104D						NO	Yes	Vegetation
105A-106D						NO	Yes	
107A-108D						NO	Yes	
109A-110D						NO	Yes	
111A-112D						NO	Yes	
113A-114D						NO	Yes	D.V.
115A-116D						NO	Yes	
117A-118D						NO	Yes	D.V.
119A-120D						NO	Yes	
121A-122D						NO	Yes	
123A-124D						NO	Yes	

ABENGOA SOLAR

Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
125A-126D						NO	Yes	
127A-128D						NO	Yes	

ABENGOA SOLAR

[illegible] Solar LLC

D.V.=Dried Vegetation

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
45I-46L						Yes	Yes	D.V.
47I-48L						NO	Yes	
49I-50L						NO	Yes	
51I-52L						NO	Yes	
53I-54L						NO	Yes	
55I-56L						NO	Yes	
57I-58L						NO	Yes	
59I-60L						NO	Yes	
61I-62L						NO	Yes	
63I-64L						NO	Yes	
65I-66L						NO	Yes	
67I-68L						NO	Yes	
69I-70L						NO	Yes	
71I-72L						NO	Yes	
73I-74L						NO	Yes	
75I-76L						NO	Yes	
77I-78L						NO	Yes	
79I-80L						NO	Yes	
81I-82L						NO	Yes	
83I-84L						NO	Yes	

Solar Field Monthly Check List

D.V = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [illegible]	Comments
85I-86J						NO	Yes	D.V.
87I-88J						NO	Yes	
89I-90J						NO	Yes	
91I-92J						NO	Yes	Vegetation + D.V.
93I-94K						NO	Yes	
95I-96K						NO	Yes	
97I-98L						NO	Yes	
99I-100L						NO	Yes	
101I-102L						NO	Yes	
103I-104L						NO	Yes	
105I-106L						NO	Yes	
107I-108L						NO	Yes	
109I-110L						NO	Yes	D.V.
111I-112L						NO	Yes	
113I-114L						NO	Yes	
115I-116L						NO	Yes	
117I-118L						NO	Yes	
119I-120L						NO	Yes	
121I-122L						NO	Yes	
123I-124L						NO	Yes	

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
125E-126						NO	Yes	
127E-128						NO	Yes	

Maintenance Order
Page 1 from 3

Order N:	5596740
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	06/22/2019	Ordered By:	
Functional Location:	MSPA-SFD Alpha Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Alpha	PM Activity: S27 Predictive / Preventive	

SFD022 Alpha Retention Basins Insp

Work observations, workplace security measures

Please see attachment.

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	6-24-19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17	Signature:	Hector P.

Spares inventory | Operation | Description | Quantity | Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation Fill out the check list: https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-16-0040-CP-FOR-	16,0	H			

Maintenance Order

Order N:	5596740
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.		Real T.	Start	To be done by:
000007%20Solar%20Field%20Monthly%20Check list.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e233					
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0,5	H			

End PM Order:

Acceptance date:		Accepted by:	
		Position:	
		Signature:	Craig Bardin

Observations:

Maintenance Order Page 3 from 3	Order N:	5596740
	Location:	Mojave Solar
	Order type:	ZM71
	Plant:	0680

Related Equipments

Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field
Tag# Equipment: Func. Location: Operation:	MSPA-SFD	Alpha Solar Field

ABENGOA SOLAR

Mojave Solar LLC

D.V. = Dried Vegetation

Solar Field Monthly Check List

Operator:	Hector	Date:	
Shift:	B	Plant:	Alpha

Collector	Header Bkd	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
1A-2D						NO	Yes	
3A-4D						NO	Yes	
5A-6D						NO	Yes	D.V.
7A-8D						NO	Yes	Vegetation + D.V.
9A-10D						NO	Yes	D.V.
11A-12D						NO	Yes	D.V.
13A-14D						NO	Yes	Vegetation + D.V.
15A-16D						NO	Yes	D.V.
17A-18D						NO	Yes	D.V.
19A-20D						n/a	Yes	D.V.
21A-22D						NO	Yes	D.V.
23A-24D						NO	Yes	D.V.
25A-26D						NO	Yes	D.V.
27A-28D						NO	Yes	D.V.
29A-30D						NO	Yes	
31A-32D						NO	Yes	D.V.
33A-34D						NO	Yes	Vegetation + D.V.
35A-36D						NO	Yes	D.V.

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Monthly Check List

D.V.=Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
37A-38D						NO	Yes	
39A-40D						NO	Yes	
41A-42D						NO	Yes	D.V.
43A-44D						NO	Yes	
45A-46D						NO	Yes	
47A-48D						NO	Yes	D.V.
49A-50D						NO	Yes	Vegetation + D.V
51A-52D						NO	Yes	D.V.
53A-54D						NO	Yes	D.V
55A-56D						NO	Yes	D.V
57A-58D						NO	Yes	D.V.
59A-60D						NO	Yes	D.V.
61A-62D						NO	Yes	
63A-64D						NO	Yes	
65A-66D						NO	Yes	D.V
67A-68D						NO	Yes	D.V
93A-94D						NO	Yess	
95A-96D						NO	Yes	
97A-98D						NO	Yes	
99A-100D						NO	Yes	

ABENGOA SOLAR

e Solar LLC

Solar Field Monthly Check List

D.V. = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
101A-102D						NO	Yes	
103A-104D						NO	Yes	
105A-106D						NO	Yes	
107A-108D						NO	Yes	
109A-110D						NO	Yes	
111A-112D						NO	Yes	D.V.

ABENGOA SOLAR

[illegible]ve Solar LLC

Solar Field Monthly Check List

D.V. = Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion[redacted]	Comments
1E - 2H						NO	Yes	D.V.
3E - 4H						NO	Yes	
5E - 6H						NO	Yes	D.V.
7E - 8H						NO	Yes	
9E - 10H						NO	Yes	
11E - 12H						NO	Yes	
13E - 14H						NO	Yes	
15E - 16H						NO	Yes	
17E - 18H						NO	Yes	D.V.
19E - 20H						NO	Yes	
21E - 22H						NO	Yes	D.V.
23E - 24H						NO	Yes	
25E - 26H						NO	Yes	
27E - 28H						NO	Yes	D.V.
29E - 30H						NO	Yes	
31E - 32H						NO	Yes	
33E - 34H						NO	Yes	D.V.
35E - 36H						NO	Yes	D.V.
37E - 38H						NO	Yes	
39E - 40H						NO	Yes	

ABENGOA SOLAR

[illegible]ve Solar LLC

D.V. = Dried Vegetation

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Solid Accumulation	Wind and/or Water Soil Erosion [illegible]	Comments
41E-42H						NO	Yes	
43E-44H						NO	Yes	
45E-46H						NO	Yes	
47E-48H						NO	Yes	
49E-50H						NO	Yes	
51E-52H						NO	Yes	D.V.
53E-54H						NO	Yes	D.V.
55E-56H						NO	Yes	D.V
57E-58H						NO	Yes	D.V
59E-60H						NO	Yes	
61E-62H						NO	Yes	
63E-64H						NO	Yes	D.V
65E-66H						NO	Yes	D.V
67E-68H						NO	Yes	D.V
69E-70H						NO	Yes	D.V
71E-72H						NO	Yes	
73E-74H						NO	Yes	D.V
75E-76H						NO	Yes	D.V
77E-78H						NO	Yes	D.V
79E-80H						NO	Yes	D.V

Solar Field Monthly Check List

D.V.-Dried Vegetation

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
81E-82H						NO	Yes	D.V
83E-84H						Yes	Yes	D.V
85E-86H						Yes	Yes	D.V
87E-88H						Yes	Yes	D.V
89E-90H						Yes	Yes	D.V
91E-92H						Yes	Yes	D.V
93E-94H								
95E-96H								
97E-98H								
99E-100H								
101E-102H						NO	Yes	
103E-104H						NO	Yes	D.V.
105E-106H						NO	Yes	
107E-108H						NO	Yes	D.V.
109E-110H						NO	Yes	
111E-112H						NO	Yes	D.V.
113E-114H						NO	Yes	
115E-116H						NO	Yes	D.V.
117E-118H						NO	Yes	D.V.
119E-120H						NO	Yes	D.V.

D. V. = Dried Vegetation

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
121E-122H						NO	Yes	D.V.
123E-124H						NO	Yes	D.V.
125E-126H						NO	Yes	D.V.
127E-128H						NO	Yes	
129E-130H						NO	Yes	
131E-132H						NO	Yes	
133E-134H						NO	Yes	
135E-136H						NO	Yes	
137E-138H						NO	Yes	
139E-140H						NO	Yes	D.V.
141E-142H						NO	Yes	D.V.
143E-144H						NO	Yes	D.V.
145E-146H						NO	Yes	
147E-148H						NO	Yes	D.V.
149E-150H						NO	Yes	D.V.
151E-152H						NO	Yes	D.V.
153E-154H						NO	Yes	D.V.
155E-156H						NO	Yes	D.V.
157E-158H						NO	Yes	D.V.
159E-160H						NO	Yes	D.V.

ABENGOA SOLAR

Solar LLC

D.V. = Dried Vegetation

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion [redacted]	Comments
1G1E-1G2H						Yes	Yes	D.V.
1G3E-1G4H						NO	Yes	D.V.
1G5E-1G6H						NO	Yes	D.V.
1G7E-1G8H						No	Yes	D.V.
1G9E-170H						NO	Yes	D.V.
171E-172H						NO	Yes	D.V.
173E-174H						NO	Yes	D.V.
175E-176H						NO	Yes	D.V.
177E-178H						NO	Yes	D.V.
179E-180H						NO	Yes	D.V.
181E-182H						NO	Yes	D.V.
183E-184H						NO	Yes	D.V.
185E-186H						NO	Yes	D.V.
187E-188H						Yes	Yes	D.V.
189E-190H						Yes	Yes	D.V.
191E-192H						Yes	Yes	D.V.
193E-194H						Yes	Yes	D.V.
195E-196H						Yes	Yes	
197E-198H						Yes	Yes	D.V.
199E-200H						Yes	Yes	D.V.

ABENGOA SOLAR

[illegible] Solar LLC

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion	Comments
2016-2021						Yes	Yes	D.V

Maintenance Order
Page 1 from 2

Order N:	5600552
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	07/23/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Please See attachments.

COMPLETED

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	7-26-19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17 hrs	Signature:	Hector P.

Spares inventory	Operation	Description	Quantity	Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0.5	H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation Fill out the check list: https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-16-0040-CP-FOR-	16.0	H			

Maintenance Order

Order N:	5600552
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.	Real T.	Start	To be done by:
000007%20Solar%20Field%20Monthly%20Check list.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e233				
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0.5 H			

End PM Order:

Acceptance date:		Accepted by:	
		Position:	
		Signature:	Gary Barker

Observations:

ABENGOA SOLAR

Mojave Solar LLC

Solar Field Retention Check List

D.V. = Dried Vegetation

Operator:	Hector P.	Date:	7-25-19
Shift:	B	Plant:	Beta

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
1E-2H						NO	Yes	D.V.
3E-4H						NO	Yes	D.V.
5E-6H						NO	Yes	D.V.
7E-8H						NO	Yes	D.V.
9E-10H						NO	Yes	D.V.
11E-12H						NO	Yes	Vegetation + D.V.
13E-14H						NO	Yes	D.V.
15E-16H						NO	Yes	D.V.
17E-18H						NO	Yes	D.V.
19E-20H						NO	Yes	D.V.
21E-22H						NO	Yes	D.V.
23E-24H						NO	Yes	D.V.
25E-26H						NO	Yes	D.V.
27E-28H						NO	Yes	D.V.
29E-30H						NO	Yes	D.V.
31E-32H						NO	Yes	D.V.
33E-34H						NO	Yes	D.V.
35E-36H						NO	Yes	D.V.

ABENGOA SOLAR

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments

Maintenance Order
Page 1 from 2

Order N:	5604164
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	08/25/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	8-24-19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	17.0HRS	Signature:	

Spares inventory | Operation | Description | Quantity | Unit

Operation description:	Theo.T.		Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5	H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation Fill out the check list: https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-16-0040-CP-FOR-	16,0	H			

COMPLETED

Maintenance Order

Order N:	5604164
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.		Real T.	Start	To be done by:
000007%20Solar%20Field%20Monthly%20Checklist.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e233					
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0,5	H ✓			

See attachments

End PM Order:

Acceptance date:	8-24-2019	Accepted by:	Glenn Garen
		Position:	
		Signature:	Glenn Garen

Observations:

ABENGOA SOLAR

Solar Field Monthly Check List

DV = Dried Vegetation

Operator:	Richard	Date:	8-23-19
Shift:	A	Plant:	Beta

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
1E-2H						NO	Yes	1E-F DV
3E-4N						NO	Yes	3EF DV
5E-6N						NO	Yes	DV
7E-8H						NO	Yes	DV
9E-10H						NO	Yes	DV
11E-12H						NO	Yes	DV
13E-14H						NO	Yes	DV
15E-16H						NO	Yes	DV
17E-18H						NO	Yes	DV
19E-20H						NO	Yes	DV
21E-22H						NO	Yes	DV
23E-24H						NO	Yes	DV
25E-26H						NO	Yes	DV
27E-28H						NO	Yes	DV
29E-30H						NO	Yes	DV
31E-32H						NO	Yes	DV
33E-34H						NO	Yes	DV
35E-36H						NO	Yes	DV

ABENGOA SOLAR

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
37E-32H						NO	Yes	DV
39E-40H						NO	Yes	DV
41E-42H						NO	Yes	DV
43E-44H						Yes	Yes	DV
45A 46D						NO	Yes	DV
47D-48D						NO	Yes	DV
49A-50D						NO	Yes	DV
51A-52D						NO	Yes	DV
53A-54D						NO	Yes	DV
55A-56D						NO	Yes	DV
57A-58D						NO	Yes	DV
59A-60D						NO	Yes	DV
61A-62D						NO	Yes	DV
63A-64D						NO	Yes	DV
65A-66D						NO	Yes	DV
67A-68D						NO	Yes	DV
69A-70D						NO	Yes	DV
71A-72D						NO	Yes	DV
73A-74D						NO	Yes	DV
75A-76D						NO	Yes	DV

ABENGOA SOLAR

Solar Field Monthly Check List

Operator:	Richard	Date:	8-23-19 — 8-24-19
Shift:	A	Plant:	Beta

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
77A-78D						NO	Yes	
79A-80D						NO	Yes	
81A-82D						NO	Yes	
83A-84D						NO	Yes	
85A-86D						NO	Yes	
87A-88D						NO	Yes	
89A-90D						NO	Yes	
91A-92D						NO	Yes	
93A-94D						NO	Yes	
95A-96D						NO	Yes	
97A-98D						NO	Yes	
99A-100D						NO	Yes	
101A-102D						NO	Yes	
103A-104D						NO	Yes	DU
105A-106D						NO	Yes	
107A-108D						NO	Yes	
109A-110D						NO	Yes	
111A-112D						NO	Yes	

ABENGOA SOLAR

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
113A-114D						NO	Yes	DV
115A-116D						NO	Yes	
117A-118D						NO	Yes	DV
119A-120D						NO	Yes	
121A-122D						NO	Yes	
123A-124D						NO	Yes	
125A-126D						NO	Yes	
127A-128D						NO	Yes	
45E-46H						NO	Yes	DV
47E-48H						NO	Yes	
49E-50H						NO	Yes	
51E-52H						NO	Yes	DV
53E-54H						NO	Yes	
55E-56H						NO	Yes	
57E-58H						NO	Yes	
59E-60H						NO	Yes	
61E-62H						NO	Yes	
63E-64H						NO	Yes	
65E-66H						NO	Yes	DV
67E-68H						NO	Yes	

ABENGOA SOLAR

Solar Field Monthly Check List

Operator:	Richard	Date:	8-27-19
Shift:	A	Plant:	Beka

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
69E-70H						NO	Yes	D.V.
71E-72H						NO	Yes	
73E-74H						NO	Yes	
75E-76H						NO	Yes	
77E-78H						NO	Yes	D.V.
87E-88H						NO	Yes	
89E-90H						NO	Yes	D.V.
91E-92H						NO	Yes	Vegetation + D.V.
93E-94H						NO	Yes	
95E-96H						NO	Yes	D.V.
97E-98H						NO	Yes	
99E-100H						NO	Yes	
101E-102H						NO	Yes	
103E-104H						NO	Yes	

ABENGOA SOLAR

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
105E-106H						No	Yes	
107E-108H						No	Yes	
109E-110H						No	Yes	
111E-112H						No	Yes	
113E-114H						No	Yes	
115E-116H						No	Yes	
117E-118H						No	Yes	
119E-120H						No	Yes	
121E-122H						No	Yes	
123E-124H						No	Yes	
125E-126H						No	Yes	
127E-128H						No	Yes	D.J.
45I-46L						No	Yes	D.J.
47I-48L						No	Yes	
49I-50L						No	Yes	
51I-52L						No	Yes	
53I-54L						No	Yes	
55I-56L						No	Yes	
57I-58L						No	Yes	
59I-60L						No	Yes	

ABENGOA SOLAR

Solar Field Monthly Check List

Operator:	Richard	Date:	8-24-19
Shift:	A	Plant:	Belq

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
61I-62L						NO	Yes	
63I-64L						NO	Yes	
65I-66L						NO	Yes	
67I-68L						NO	Yes	
69I-70L						NO	Yes	
71I-72L						NO	Yes	
73I-74L						NO	Yes	
75I-76L						NO	Yes	
77I-78L						NO	Yes	
79I-80L						NO	Yes	
81I-82L						NO	Yes	
83I-84L						NO	Yes	
85I-86L						NO	Yes	D.V.
81I-88L						NO	Yes	
89I-90L						NO	Yes	
91I-92L						NO	Yes	Vegetation D.V.
93I-94L						NO	Yes	
95I-96L						NO	Yes	

ABENGOA SOLAR

Solar Field Monthly Check List

Collector	Header Skid	Oil Level Switchboard	Piston Pin	Lubricating Manual Valves	Lubrication Bearings	Sand Accumulation	Wind and/or Water Soil Erosion Control	Comments
97I-98C						No	Yes	
99I-100C						No	Yes	
101I-102C						No	Yes	
103I-104C						No	Yes	
105I-106C						No	Yes	
107I-108C						No	Yes	
109I-110C						No	Yes	D.V.
111I-112C						No	Yes	
113I-114C						No	Yes	
115I-116C						No	Yes	
117I-118C						No	Yes	
119I-120C						No	Yes	
121I-122C						No	Yes	
123I-124C						No	Yes	
125I-126C						No	Yes	
127I-128C						No	Yes	

Maintenance Order

Order N:	5615759
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Start PM Order

Rel.PM Order Date:	11/25/2019	Ordered By:	
Functional Location:	MSPB-SFD Beta Solar Field		
Equipment:		Tag#:	
Description:	SFD022 Beta	PM Activity: S27 Predictive / Preventive	

SFD022 Beta Retention Basins Insp

Work observations, workplace security measures

checklist attached

Priority:		To be done in:	Preventive maintenance order (Solar US)

Execution PM Order:

Completion date:	11/30/19	To be done by:	Solar Field
		Work center:	MSPSFD
Hours spent:	16	Signature:	Tony / Glen

Spares inventory — Operation Description — Quantity Unit

Operation description:	Theo.T.	Real T.	Start	To be done by:
0010 - Solar Field - Safety and Prerequisites 1.0 Job Safety a. Perform Pre-Job Safety Briefing. b. Review JHA. c. Wear all required and appropriate PPE. 2.0 Prerequisites Obtain the following Procedures: use monthly operation stormwater run off control inspection form. 3.0 Obtain Approval from Operations	0,5 H			
0020 - Solar Field - Inspection for erosion a. Inspect for erosion and sedimentation; spot check of grading (depth and slope) b. Inspection of vegetation Fill out the check list https://abengoa.sharepoint.com/sites/lh-aom/aom/A/Sites/Mojave/13-Proc%26MOC/00.%20Forms_Logs_Checklists/Maintenance/G70-16-0040-CP-FOR-	16,0 H			

Maintenance Order

Order N:	5615759
Location:	Mojave Solar
Order type:	ZM71
Plant:	0680

Operation description:	Theo.T.		Real T.	Start	To be done by:
000007%20Solar%20Field%20Monthly%20Checklist.docx?d=w7a6a8d7aa54b43288dd0d7b53e38e233					
0030 - Solar Field - Completion and Housekeeping 5.0 Inform Operations of Work Completion 6.0 Housekeeping Insure any equipment or materials brought to the job site have been removed. Leave area in a cleaner condition than when you arrived.	0,5	H			

End PM Order:

Acceptance date:		Accepted by:	
		Position:	
		Signature:	

Observations:

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix P

2019 SOIL&WATER-5 Watermaster letters and calculations

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

Mojave Solar LLC

Atlantica
Sustainable Infrastructure

Mojave Solar Project
42134 Harper Lake Road
Phone: 760-308-0400
Hinkley, California 92347
.

Valerie Wiegenstein
Mojave Basin Area
Watermaster
13846 Conference Center Drive
Apple Valley, CA 92307

By US Mail

Facility name: Mojave Solar LLC
42134 Harper Lake Road
Hinkley CA 92347-9305

October 4, 2019

Dear Valerie Wiegenstein,

Find attached the Annual Verification Report Form and Invoice for the Fourth Quarter 2018-2019 water year.

Please advise if there is anything else you need.

Note, correspondence should be sent to the attention of the undersigned

Sincerely,

Jose Manuel Bravo Romero.

Manager, Compliance, Permitting, Q&E Department.
ASIO. Mojave Solar LLC
42134 Harper Lake Road
Hinkley, CA 92347
jmanuel.bravo@atlanticayield.com

Attachments: Annual Verification Report Form and Invoice for the Fourth Quarter 2018-2019 water year. Verification documents. Check.

MOJAVE BASIN AREA WATERMASTER

FOR
CITY OF BARSTOW, ET AL. VS. CITY OF ADELANTO, ET AL.
CASE NO. 208568 - RIVERSIDE COUNTY SUPERIOR COURT

September 30, 2019

Mojave Solar, LLC
42134 Harper Lake Road
Hinkley, CA 92347-9305

Re: Annual Verification Report Form for the 2018-19 Water Year and
Invoice for the Fourth Quarter (July 1, 2019 through September 30, 2019)

Attention: Jose Manuel Bravo

The Judgment After Trial dated January 10, 1996 for the Mojave Basin Area requires that parties report their water production for each production facility on a quarterly basis. The Judgment also requires that the Watermaster verify water production annually and submit a report to the Court. The enclosed Annual Verification Report Form and Invoice for the Fourth Quarter should be used by you to report your water production and to calculate the assessments that you owe for the fourth quarter (July 1 through September 30). Please use this same form to report your annual water production for the 2018-19 Water Year. This form and documents that support your reported amounts should be returned no later than **October 31, 2019**.

In addition, please review the first, second and third quarter production for each facility and the totals shown on the report form to confirm that the information you reported is correctly recorded with the Watermaster.

Assessments

Reported water production from July 1 through September 30 forms the basis for assessments for the fourth quarter. Administrative and Biological Assessments for the twenty-sixth year of the Judgment (2018-19 Water Year) will be assessed at $3.55 and $0.94, respectively, per acre-foot produced. **If you do not report and pay your assessments by October 31, 2019, the Watermaster will invoice you as if you had produced 25% of your Base Annual Production, and interest will accrue at the rate of 1.25% per month or portion thereof until paid.**

Verification Records

Section 11 of the Watermaster Rules and Regulations require that you provide sufficient information to allow the Watermaster to verify your annual water production. Each party who produces water must have an accurate method for measuring water from each source. The records required for each method of measuring water production are summarized in the following list.

1. **If you calculate your water production from Southern California Edison (SCE) and/or time of use meters and pump testing, include:**
   - SCE records from October 2018 - September 2019.

RECEIVED 10-3-19 R.E.

13846 Conference Center Drive • Apple Valley, California 92307
(760) 946-7000 • 1-800-254-4242 • FAX (760) 240-2642 • E-Mail: Watermaster@mojavewater.org

- Copy of pump test results in compliance with Section 11 (C) of the Watermaster Rules and Regulations performed after September 30, 2017.
- Time of use records if the SCE meter has other electrical loads connected.

Please take notice that the Watermaster will request the release of SCE meter reading and pump test information records pursuant to a Court-ordered stipulation and protective order for the purposes of verifying your water production. Contact Watermaster staff within 15 days if you have any objection to this information being released by SCE to Watermaster. Records released from SCE are confidential and for Watermaster use only.

2. **If you calculate your water production from a water meter or other flow measuring device include:**
   - Readings from October 2018 - September 2019.
   - Type of device and calibration test. The calibration test must be performed at least every two years by an approved meter tester.
3. **If you calculate your water production from an engine driven pump include:**
   - Flow meter records
   - Certification of compliance with Section 11 (E) of the Watermaster Rules and Regulations.
4. **If you calculate your water production from an alternative measuring method include:**
   - A written statement of method used.
   - Supporting documents.
   - Certification of compliance with Section 11 (D) of the Watermaster Rules and Regulations.

Please return the appropriate records with your Annual Verification Report Form and Invoice for the Fourth Quarter so that the Watermaster may verify your annual water production.

We would appreciate your assistance to ensure that we are mailing these documents to the proper person. If there is someone other than the person to whom this letter is addressed that should be receiving quarterly reports, verification reporting or billings for processing, please identify any name or address corrections that should be made in the space provided on the report form. Please be aware that any change will cause all future mailings of this type to go to the person or place you identify.

If you require assistance completing the forms or need more information, please contact the Watermaster staff. Thank you for your immediate attention to this matter.

Sincerely,

V. Wiegenstein

Valerie Wiegenstein
Watermaster Services Manager

Enclosures: Annual Verification Report Form and Invoice for the Fourth Quarter and Return Envelope

MOJAVE BASIN AREA
WATERMASTER
13846 Conference Center Drive
Apple Valley, CA 92307-4377
(760) 946-7000

Printed on: 09/30/2019
Invoice #: 41802

Annual Verification Report Form and Invoice for Administrative & Biological Assessments 4th Quarter (July 1 - September 30) 2018-19 Water Year

Account Number: MOJ001P **Subarea:** Centro

Mojave Solar, LLC

42134 Harper Lake Road

Hinkley, CA 92347-9305

Free Production Allowance (FPA):	4,192 Ac-ft
Prior Year Carryover:	4,192 Ac-ft
FPA Transfers In:	0 Ac-ft
FPA Transfers Out:	0 Ac-ft
Carryover Transfers In:	0 Ac-ft
Carryover Transfers Out:	0 Ac-ft
Total Adjusted FPA:	8,384 Ac-ft

State Well Number	Local Well Designation	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter Production	Current Well Status*	Estimated Annual Production
11N04W29N02	WELL # ALPHA-2 (NORTH)	0.00	0.00	0.00	159.04	A	371.23
11N04W29N03	WELL # ALPHA-1 (SOUTH)	0.00	0.00	0.00	23.36	A	214.77
11N04W33C03	WELL # BETA-3	0.00	0.00	0.00	34.00	A	151.66
11N04W33D02	WELL BETA #4	0.00	0.00	0.00	276.09	A	587.25
11N04W33L01	WELL #BETA-1	0.00	0.00	0.00	—	M	—
	Totals:	0.00	0.00	0.00	492.49	Ac-Ft	1324.92

* *A=Active*
I=Inactive
S=Sold
D=Destroyed
L=Leased
B=Abandoned
U=Unknown
M=Monitoring
T=Standby

Administrative Assessment @ $ 3.55 per Ac-Ft (Production x $ 3.55) $ 1,748.34

Biological Assessment @ $ 0.94 per Ac-Ft (Production x $ 0.94) $ 462.94

Total Amount Due $ 2,211.28

Please indicate in the space below, the contact person you wish to receive all Watermaster mailings and their address.

JOSE MANUEL BRAVO
Contact

760-308-2601
Phone

42134 HARPER LAKE Rd.
Mailing Address

HINKLEY CA 92347
City State Zip Code

I declare under penalty of perjury that the foregoing information is true and correct:

MOJAVE SOLAR LLC
Company

JOSE MANUEL BRAVO
Individual

10/4/2019
Date

BRIGHT SOLAR INDUSTRIAL OPERATIONS
Company Agent

10/4/2019
Date

Payment is due and payable October 31, 2019.
Please attach a check to the top copy and return in the enclosed envelope with proper postage.
A charge of 1.25% per month or portion thereof will be assessed to any account past due.
If not received by October 31, 2019 your assessments will be calculated as if 25% of your Base Annual Production was produced.
Please make any corrections and/or additions on this page and attach supporting documentation.

2018-2019 2nd Quarter Water Production - MSP

Gallons to Acre Feet

	Alpha1(South)	Alpha2(North)	Beta 3	Beta 4 (SBC)			**Totals**
January							
Alpha 1	4,571,576.06						
Alpha 2		2,868,982.61					
Beta 3			15,360.48				
Beta 4 (SBC)				755,906.57			
February							
Alpha 1	3,164,462.03						
Alpha 2		3,990,626.19					
Beta 3			96,718.21				
Beta 4 (SBC)				40,646.38			
March							
Alpha 1	8,623,289.33						
Alpha 2		9,905,413.72					
Beta 3			7,513,996.29				
Beta 4 (SBC)				10,530,180.23			
Total Gallons	16,359,327.42	16,765,022.52	7,626,074.99	11,326,733.19			52,077,158
Acre Feet *	50.21	51.45	23.40	34.76			159.82
Admin Assmt					$3.55	$	567.36
Bio Assmt					$0.94	$	150.23
					Total	$	717.59

*Conversion ratio

1 US gallon = 3.06888328 × 10-6 acre foot [10 to the 6th]

2018-2019 3rd Quarter Water Production - MSP Acct# MOJ001P

Gallons to Acre Feet

	Alpha1(South)	Alpha2(North)	Beta 3	Beta 4 (SBC)			**Totals**
April							
Alpha 1	10,944,219.57						
Alpha 2		12,401,926.21					
Beta 3			13,381,369.20				
Beta 4 (SBC)				9,297,798.05			
May							
Alpha 1	10,496,223.22						
Alpha 2		11,411,133.01					
Beta 3			6,637,745.64				
Beta 4 (SBC)				15,863,826.83			
June							
Alpha 1	16,468,232.11						
Alpha 2		15,429,451.19					
Beta 3			817,016.54				
Beta 4 (SBC)				32,459,863.20			
Total Gallons	37,908,674.90	39,242,510.42	20,836,131.38	57,621,488.07			155,608,805
Acre Feet *	116.3379324	120.4313402	63.94400359	176.8345847			477.55
Admin Assmt					$3.55	$	1,695.29
Bio Assmt					$0.94	$	448.89
					Total	$	2,144.19

*Conversion ratio

1 US gallon = 3.06888328 × 10-6 acre foot [10 to the 6th]

2018-2019 4th Quarter Water Production - MSP

Gallons to Acre Feet

	Alpha1(South)	Alpha2(North)	Beta 3	Beta 4			Totals
July							
Alpha 1	7,552,387.89		-				
Alpha 2		16,171,538.92		36,517,729.81			
Beta 3							
Beta 4							
August							
Alpha 1	35,104.66		-				
Alpha 2		17,009,886.69		36,045,786.58			
Beta 3							
Beta 4							
September							
Alpha 1	24,205.59		11,079,279.70				
Alpha 2		18,641,476.24		17,399,943.29			
Beta 3							
Beta 4							
Total Gallons	7,611,698.14	51,822,901.85	11,079,279.70	89,963,459.68			160,477,339
Acre Feet *	23.35954042	159.0393035	34.00120147	276.0888614			492.49
Admin Assmt						$3.55	$ 1,748.34
Bio Assmt						$0.94	$ 462.94
					Total		$ 2,211.28

*Conversion ratio

1 US gallon = 3.06888328 × 10-6 acre foot [10 to the 6th]

2019-2020 1st Quarter Water Production - MSP

Gallons to Acre Feet

	Alpha1(South)	Alpha2(North)	Beta 3	Beta 4 (SBC)			**Totals**
October							
Alpha 1	12,063,446						
Alpha 2		8,809,453.56					
Beta 3			7,020,932.32				
Beta 4 (SBC)				13,640,743.15			
November							
Alpha 1	5,758,260.81						
Alpha 2		6,587,334.10					
Beta 3			6,603,907.65				
Beta 4 (SBC)				5,346,992.22			
December							
Alpha 1	1,201,277.00						
Alpha 2		1,419,877.74					
Beta 3			1,739,762.23				
Beta 4 (SBC)				2,216,643.71			
Total Gallons	19,022,983.76	16,816,665.39	15,364,602.21	21,204,379.08			72,408,630
Acre Feet *	58.37963487	51.60866441	47.15242771	65.07411896			222.21
Admin Assmt					$3.55	$	788.86
Bio Assmt					$0.95	$	211.10
					Total	$	999.97

*Conversion ratio

1 US gallon = 3.06888328 × 10-6 acre foot [10 to the 6th]

Estimated annual production for Mojave Solar LLC

A1	A2	B3	B4
214.77	371.23	151.66	587.25

Total:	1324.92

09-AFC-5C **Soil&Water-11, -12**

Mojave Solar Project Water Sequestration Worksheet

Date: 2/28/2019
Completed by: Jose Manuel Bravo Romero
MWA Annual Report Issue Date: (will be approx. May 1, 2019)

Mojave Water Basin - Centro Subarea

	Inputs			
Water Year:	2019			
FPA:	80%	of BAP	(2018 - 2019)	Determined annually by MWA
Carryover FPA:	4,192			Determined annually by MWA
Total Project Pumping for Water Year (acre-feet):	1,306		(2,160 AF/y max. per CEC permit)	

	Mojave Solar Groundwater Allocation (AF/yr)	Ground Water Calculations (acre-feet)	
		Industrial	Agricultural*
1	Base Annual Production (BAP)	5,239	10,478
3	Base Free Production Allowance (FPA)	4,191	8,382
4	Carryover FPA	4,192	8,384
5	Total FPA Available	8,383	16,766
6	Total Project Pumping for Water Year (1)	1,306	2,612
8	FPA Remaining after Project Pumping	7,077	14,154
9	FPA required for sequestration	---	1,306
10	Agricultural* FPA Remaining after Sequestration	---	12,848

*Note:All Mojave Solar Project-related agricultural water rights have been converted to industrial water rights by the Mojave Basin Watermaster. This column is presented for the purpose of CEC License (09-AFC-5c) calculations related to COC's Soil&Water-11 & -12.

(1) The actual pumping is shown in the Industrial column. It is multiplied by 2, to account for the Ag. conversion for CEC accounting.

From the adjudication:
The Base Annual Production Right is the "relative Annual right of each Producer to the Free Production Allowance within a given Subarea."
The Free Production Allowance is the "total amount of water, and any Producer's share thereof, that may be Produced from a Subarea each Year free of any Replacement Obligation."
To the extent that any producer's production exceeds his Base Annual Production Right, the Watermaster will provide replacement water to replace excess production, for which the producer pays a Replacement Water Assessment

09-AFC-5C Soil&Water-11, -12

Annual and Cumulative FPA Sequestered

From Soil&Water-11:

Verification: The volume of FPA sequestered shall be documented in the Annual Compliance Report submitted to the CPM and Watermaster. This documentation shall include a table showing the annual and cumulative total FPA sequestered.

Water Year	Annual FPA Sequestered (acre-feet)	Cumulative FPA Sequestered (acre-feet)
2014 - 2015	1,389	1,389
2015 - 2016	1,656	3,045
2016 - 2017	1,506	4,551
2017 - 2018	1,632	6,183
2018 - 2019	1,306	7,489

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix Q

2019 SOIL&WATER-10 SBC annual operating permit.

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

ABENGOA
NORTH AMERICA
Mojave Solar LLC
42134 Harper Lake Road Phone: 760-308-0400
Hinkley, California 92347

Subject: **09-AFC-5C**
Condition Number: **SWAT 10**
Description: **Nontransient-noncommunity System Ground Water Permit**
Submittal Number: **SWAT10-19-00**

April 9, 2019

Keith Winstead, CPM
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Rundquist,

Pursuant to Condition of Certification Soil and Water 10, attached are the renewed potable water permits for Alpha and Beta (permits number PT0032003 and PT 0032002 respectively).

For your convenience we are including here the compliance language:

Verification: The project owner shall obtain a permit to operate a nontransient, non-community water system with the County of San Bernardino at least sixty (60) days prior to commencement of construction at the site. The project owner shall supply updates annually for all monitoring requirements and submittals to County of San Bernardino related to the permit, and proof of annual renewal of the operating permit.

As always, please contact me with any question.

Sincerely,

Jose Manuel Bravo Romero
Manager
Permitting, Compliance Quality and Environment Department
ABENGOA
NORTH AMERICA
ASI Operations LLC
42134 Harper Lake Rd
Hinkley, CA 92347
Cell: (303) 378-7302
jmanuel.bravo@abengoa.com

Attachments: Nontransient-noncommunity System Ground Water renewed Permits for Alpha and Beta.

PERMIT

NON-TRANSFERABLE

EXPIRES: 2/28/2020

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY, CA 92347

OWNER OF RECORD: **MOJAVE SOLAR LLC**
REGULATED FACILITY: FA0028763
FACILITY LOCATION: MOJAVE SOLAR PROJECT ALPHA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
1	**4634 Nontransient-noncommunity Sys - Ground Water**	**3601184**	**PT0032003**	**WA0001028**

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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The Business Owner is responsible for timely renewal. Not receiving a renewal notice for any reason does not mitigate responsibility for timely payment. If not paid within 30 days of the expiration date shown, a 25% penalty will be imposed.

PERMIT

NON-TRANSFERABLE

EXPIRES: 2/28/2020

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY, CA 92347

OWNER OF RECORD: **MOJAVE SOLAR LLC**
REGULATED FACILITY: FA0028763
FACILITY LOCATION: MOJAVE SOLAR PROJECT ALPHA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #

Permit Conditons

Introduction Mojave Solar Project Alpha (hereinafter "Water System") is a public water system classified as a non-transient non-community water system. The Water System serves a solar power plant with approximately 60 employees. The Water System maintains a minimum Distribution 1 (D1) Operator and Treatment 2 (T2) Operator as required for a non-transient non-community water system using treatment methods.

Sources The sources of supply are two vertical wells, Alpha 1 (permit #2012010027) and Alpha 2 (permit #2012010026). Both wells were constructed in 2012 with a 50-foot sanitary seal, are outfitted with 250-horsepower turbine pumps, and produce 1,150-gallons per minute each. Alpha 1 and 2 were constructed to a depth of 640-feet. The well completion reports are on file with the Division of Environmental Health Services (DEHS).

DWSAP A Drinking Water Source Assessment and Protection (DWSAP) Program has not been completed for the wells.

Treatment A reverse osmosis (RO) treatment unit is used to remove TDS (total dissolved solids) and arsenic. The RO unit is a zero-liquid discharge unit where the reject water goes to the water softener to reduce hardness and silica to be used as process water in the industrial system. A backflow prevention assembly device is installed for the water softener and shall be tested annually by a certified commercial backflow tester. The filter media is changed approximately every two to three months when the water pressure in the system is five to seven psi. The RO reject line has a testable check valve, model G&E DM40 CFAN, which shall be tested annually by a certified commercial backflow tester. The RO effluent fills the potable storage tank and is protected by a reduced pressure backflow prevention device.

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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EXPIRES: 2/28/2020

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY, CA 92347

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REGULATED FACILITY: FA0028763
FACILITY LOCATION: MOJAVE SOLAR PROJECT ALPHA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
	Storage	The Water System has two storage tanks: Tank #1 and Tank #2. Tank #1 is steel bolted and has a capacity of 1.15-million gallons. Tank #1 receives raw water for the industrial and fire systems. Check valves for the fire lines and pumps have been installed. Additionally, the fire system is connected to an alarm that signals loss of pressure such as in the event of a leak. Tank #2 has a capacity of 2,640-gallons and is constructed of welded steel. Tank #2 receives RO effluent water for the potable system. Tank #2 has an air gap inside as well as a level transmitter, which automatically shuts off the water well pump to prevent overflow. The Water System also has three 10-hp booster pumps for the distribution system. Each storage tank is equipped with a ladder and fall protection. Tank #2 has a reduced pressure backflow prevention device installed to protect the RO effluent entering the tank.		

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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PERMIT

NON-TRANSFERABLE

EXPIRES: 2/28/2020

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42134 HARPER LAKE RD
HINKLEY, CA 92347

OWNER OF RECORD: **MOJAVE SOLAR LLC**
REGULATED FACILITY: FA0028763
FACILITY LOCATION: MOJAVE SOLAR PROJECT ALPHA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #

Water Quality Mojave Solar Project Alpha has submitted water quality analysis results for general mineral and general physical constituents, nitrate/nitrite, and total coliform bacteria. The Water System must adhere to the sampling requirements for a non-transient non-community water system set forth by Title 22, California Code of Regulations (CCR). The Water System shall monitor the water monthly at a minimum for total coliform bacteria or as required by DEHS. The water shall be analyzed for nitrate as nitrogen (NO3-N) annually and for nitrite as nitrogen (NO2-N) every three years.

Both water well sources have high levels of arsenic. On 04/23/15, Alpha 1 had arsenic levels of 14 ppb and Alpha 2 had arsenic levels of 17 ppb. The maximum contaminant level (MCL) for arsenic is 10 ppb. The RO treatment unit effectively removes arsenic to levels of no detection based on laboratory analysis sampled on 04/27/17. The Water System must continue to monitor for arsenic monthly from the RO treatment unit effluent and quarterly from each water well source.

The water is also high in the following secondary contaminants:
Alpha 1
TDS (last analysis = 04/23/15, result = 1,600 ppm, MCL = 1,000 ppm), chloride (last analysis = 04/23/15, result = 540 ppm, MCL = 500 ppm), and specific conductance (last analysis = 04/23/15, result = 2,700 ppm, MCL = 1,600 ppm).

Alpha 2
TDS (last analysis = 04/23/15, result = 1,300 ppm, MCL = 1,000 ppm) and specific conductance (last analysis = 04/23/17, result = 2,100 ppm, MCL = 2,000 ppm).

Additionally, the Water System is currently operating under a temporary potable water system permit and has applied for a full potable water system permit pending approval.

Emergency An Emergency Notification Form (2017) and Emergency Response Plan (2017) are on file with DEHS.

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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EXPIRES: 2/28/2020

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY, CA 92347

OWNER OF RECORD: **MOJAVE SOLAR LLC**
REGULATED FACILITY: FA0028763
FACILITY LOCATION: MOJAVE SOLAR PROJECT ALPHA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
	BSSP	A Bacteriological Sample Siting Plan (2012) is on file with DEHS.		
	Appraisal	The system appears to be in good condition.		

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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EXPIRES: 2/28/2020

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY, CA 92347

OWNER OF RECORD: **MOJAVE SOLAR LLC**
REGULATED FACILITY: FA0028762
FACILITY LOCATION: MOJAVE SOLAR PROJECT BETA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
1	**4634 Nontransient-noncommunity Sys - Ground Water**	**3601185**	**PT0032002**	**WA0001027**

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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REGULATED FACILITY: FA0028762
FACILITY LOCATION: MOJAVE SOLAR PROJECT BETA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #

Permit Conditons

Introduction Mojave Solar Project Beta (hereinafter "Water System") is a public water system classified as a non-transient non-community water system. The Water System serves a solar power plant with approximately 60 employees. The Water System maintains a minimum Distribution 1 (D1) Operator and Treatment 2 (T2) Operator as required for a non-transient non-community water system using treatment methods.

Sources The source of supply are two vertical wells, Beta 3 (permit #2012060313) and Beta 4 (permit #2014001056). Both wells were constructed in 2012 to a depth of 650-feet with a 50-foot sanitary seal, are outfitted with 250-horsepower turbine pumps, and produce 1,150-gallons per minute each. The well completion reports are on file with the Division of Environmental Health Services (DEHS). The two vertical wells are equipped with functioning flow meters and sampling taps.

DWSAP A Drinking Water Source Assessment and Protection (DWSAP) Program was not completed.

Treatment A reverse osmosis (RO) treatment unit is used to remove TDS (total dissolved solids) and arsenic. The RO unit is a zero-liquid discharge unit where the reject water goes to the water softener to reduce hardness and silica to be used as process water in the industrial system. A backflow prevention assembly is installed for the water softener and shall be tested annually by a certified commercial backflow tester.. The filter media is changed approximately every two to three months when the water pressure in the system is five to seven psi. The RO reject line has a testable check valve, model G&E DM40 CFAN, which shall be tested annually by a certified commercial backflow tester. The effluent fills the potable storage tank and is protected by a reduced pressure backflow prevention device is installed.

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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REGULATED FACILITY: FA0028762
FACILITY LOCATION: MOJAVE SOLAR PROJECT BETA POWER PLANT POTABLE TREATMENT FACILITY
42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
	Storage	The Water System has two storage tanks: Tank #1 and Tank #2. Tank #1 is steel bolted and has a capacity of 1.15-million gallons. Tank #1 receives raw water for the industrial and fire systems. Check valves for the fire lines and pumps have been installed. Additionally, the fire system is connected to an alarm that signals loss of pressure such as in the event of a leak. Tank #2 has a capacity of 2,640-gallons and is constructed of welded steel. Tank #2 receives RO effluent water for the potable system. Tank #2 has an air gap inside as well as a level transmitter, which automatically shuts off the water well pump to prevent overflow. The Water System also has three 10-hp booster pumps for the distribution system. Each storage tank is equipped with a ladder and fall protection. Tank #2 has a reduced pressure backflow prevention device installed to protect the RO effluent entering the tank.		

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HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #

Water Quality

Mojave Solar Project Beta has submitted water analysis results for general mineral and general physical constituents, nitrate/nitrite, and total coliform bacteria. The Water System must adhere to the sampling requirements for a non-transient non-community water system set forth by Title 22, California Code of Regulations (CCR). The Water System shall monitor the water monthly at a minimum for total coliform bacteria or as required by DEHS. The water shall be analyzed for nitrate as nitrogen (NO3-N) annually and for nitrite as nitrogen (NO2-N) every three years.

Both water well sources have detection of high arsenic levels. On 02/16/16, Beta 3 had arsenic levels of 11 ppb and on 04/23/15, Beta 4 had arsenic levels of 9.5 ppb. The maximum contaminant level (MCL) for arsenic is 10 ppb. The RO treatment unit effectively removes arsenic to levels of no detection based on laboratory analysis sampled on 04/27/17. The Water System must continue to monitor for arsenic monthly from the RO treatment unit effluent and quarterly from each water well source.

The water is also high in the following secondary contaminants:
Beta 3
TDS (last analysis = 04/04/17, result = 1,700 ppm, MCL = 1,000 ppm), chloride (last analysis = 04/04/17, result = 540 ppm, MCL = 500 ppm) and specific conductance (last analysis = 04/04/17, result = 2,500 ppm, MCL = 1,600 ppm).

Beta 4
TDS (last analysis = 04/04/17, result = 1,800 ppm, MCL = 1,000 ppm), chloride (last analysis = 04/04/17, result = 650 ppm, MCL = 500 ppm) and specific conductance (last analysis = 04/04/17, result = 2,800 ppm, MCL = 2,000 ppm).

Addtionally, the Water System is currently operating under a temporary potable water system permit and has applied for a full potable water system permit pending approval.

Emergency

An Emergency Notification Plan (2017) and an Emergency Response Plan (2017) are on file with DEHS.

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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42134 HARPER LAKE RD
HINKLEY, CA 92347

#	Program Element	Program Identifier	Permit #	Program #
BSSP	A Bacteriological Sample Siting Plan (2012) is on file with DEHS.			
Appraisal	The system appears to be in good condition.			

TOTAL FEE PAID: $1,121.00 **THIS IS NOT AN INVOICE**

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Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix R

2019 WORKER SAFETY 6 WKSF6-04-00, SBCFD Annual O&M Contribution Verification (2019).

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347
Phone: 760 308 0400

Submitted Electronically

Subject: 09-AFC-5C
Condition: WORKER SAFETY-6
Description: SBCFD Annual O&M Contribution Verification (2018 – 2019)
Submittal Number: WKSF6-06-00

January 31, 2020

Keith Winstead
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

Attached, please find confirmation of the Mojave Solar Project's compliance with WORKER SAFETY-6, with respect to the annual O&M Contributions as required by Section 2(b) of the *Agreement By and Among The San Bernardino County Fire Protection District and The County of San Bernardino and Mojave Solar LLC Related to Fire Protection and Emergency Medical Services Mitigation for the Mojave Solar Project* (the "Fire Services Agreement").

The backup documentation provides support for (i) agreement by SB County Fire with the calculated payment amount and allowable tax offsets, (ii) confirmation of receipt of payment by SB County Fire, (iii) the calculation of the payment amount and allowable tax offsets with references to the applicable sections of the Fire Services Agreement; (iv) parcel maps and property tax statements, (v) the allocation of property tax payments to MSP for the applicable parcels, and (vii) the General Fund share allocation table.

Should you have any questions or comments, please don't hesitate to contact me.

Sincerely,
Jose Manuel Bravo Romero
Manager
Permitting, Compliance, Quality & Environmental Department
ASI Operations LLC
42134 Harper Lake Rd
Hinkley, CA 92347
Cell: (303) 378-7302
jmanuel.bravo@atlanticayield.com

Attachments: Backup documentation. Payment receipt confirmation and calculation.

Mojave Solar Project
O&M Contribution for the period 4/24/18-4/23/19

Calculation of O&M Contribution			Comments
Prior Year O&M Contribution Annual Value	$	411,000.00	Initial Year
ECI for December 2018		3.00%	See Attachment 4
Total O&M Contribution Due for This Period	$	423,330.00	See Section 2(a) Below
Property Tax Offset			
MSP Property Taxes Paid APN 0490-121-49 (TRA 56103)	$	886,418.07	See Attachment 1
MSP Property Taxes Paid APN 0490-121-49 (TRA 56103)	$	314,630.68	See Attachment 1
SB County General Fund Share for TRA 56103		17.3568%	See Attachment 3
Property Taxes to SB General Fund	$	208,463.53	Taxes x TRA GF Share %
Sales Taxes Paid to SB General Fund	$	-	Sales Taxed Paid (*)
Calculated Offset (max 60% of $423,330.00)	$	(208,463.53)	See Section 3(b) Below
Net O&M Contribution Due	**$**	**214,866.47**	

(*) See calculations on separate attached PDF.

Section 2(a):

2. Contributions to Mitigate Fire and Emergency Response.

(a) Annual Operations and Maintenance Costs. Beginning on the April 24, 2012, being the date the project commences construction of above-ground structures, (such date the "Commencement Date"), MS shall owe its contribution (subject to partial year proration and the offsets described in Section 3) per annum to SBCFPD to fully mitigate any and all operations and maintenance costs in connection with any need to provide fire protection and emergency response services to the Project ("O&M Contribution"), payable annually, in arrears. The amount of the O&M Contribution from the Commencement Date through the day before the date on which the project commences commercial operation, as such term is defined in California Energy Commission Decision CEC-800-2010-008 – CMF, ("Operations Date") shall be $318,000 per annum. The O&M Contribution shall be adjusted annually for each fiscal year (April 24 to April 23) in accordance with the United States Department of Labor Bureau of Labor Statistics Employment Cost Index= for Total Compensation (Not Seasonally Adjusted) for Private Industry Workers for the Los Angeles-Long Beach-Riverside, California Census Region and Metropolitan Area ("ECI"), or a comparable index agreed to by the Parties if such index is no longer available. The adjustment shall be based on the most recent 12-month ECI percentage change published prior to April 24 of each year.

The amount of the O&M Contribution from the Operations Date through the Termination Date ("Operations Period") shall be $411,000 per annum. The O&M Contribution payment shall be due on April 23 of each year following the Commencement Date through the Termination Date (as defined below) and prorated for partial years.

Section 3(b):

(b) Credit for Certain Property Tax Payments

In addition to any refunds or offsets determined under subsection 3(a) or 3(c), up to sixty percent (60%) of the O&M Contribution shall be offset, on a dollar for dollar basis, by any property and/or possessory interest tax revenue from the Project. Tax revenue shall be calculated as an appropriate percentage of property and/or possessory tax payments made on Assessor Parcel Numbers ("APNs") for the Project (a current list of APNs attached hereto as Exhibit "D"). Tax payments shall be evidenced by payment amounts for such APNs as set forth on the County Tax Collector's website (http://www.mytaxcollector.com/trSearch.aspx, as it may be amended). Tax payments shall not include any amounts paid for penalties or interest. In the event any property tax refunds are issued for such APNs, the amount of property tax payments used to calculate tax revenue shall be reduced by the amount of the refund(s).

Amounts offset pursuant to this Section 3(b) shall be applied to the O&M Contribution due and payable for the tax year in which the applicable property and/or possessory interest tax revenue from the Project was accrued, prorated for partial years. By way of illustration, if an O&M Contribution was due on April 23, 2015, tax revenue from the tax year from April 24, 2014 through April 23, 2015 would be applied to offset the O&M Contribution due on April 23, 2015. Such offsets amount shall be calculated by MS and submitted to SBCFPD for review and approval prior to offsetting the O&M Contribution.

San Bernardino Co. FireDepartment

157 W. Fifth Street, Second Floor
San Bernardino, CA 92415-0451
(909) 387-5628

Invoice No. MSOL2019

INVOICE

Bill to:
MOJAVE SOLAR LLC
ATTEN: Claudia Brkich

March 22, 2019

PAYMENT DUE BY APRIL 23, 2019

	DESCRIPTION	Amount Due	Amount Due
	O&M CONTRIBUTION PERIOD 4/24/18-4/23/19	$423,330.00	
	PROPERTY TAX CREDITS	($208,463.53)	$214,866.47

Payment Details

San Bernardino County Fire Department
157 W. 5th Street, 2nd Floor
San Bernardino, CA 92415-0451
WF Bank Account 4941044786
WF Routing Nbr 121000248

BALANCE DUE $214,866.47

Office Use Only:
5909432444
GL: 40709800

If you have any questions, please call Karen Page at (909) 387-5625.

Jose Manuel Bravo Romero

From: Ronald Wright
Sent: Friday, January 31, 2020 11:22 AM
To: Jose Manuel Bravo Romero; Claudia Brkich
Subject: RE: San Bernardino PR
Attachments: SBC_Fire_MSOL2019_6442.pdf

Hi Chema,

Are you referring to the O&M Annual contribution? If so hopefully this works:

Supplier	Invoice Number	Date	Amount
San Bernardino County	MSOL2019	3/22/2019	214,866.47

Supplier	San Bernardino County
Name of financial institution	Wells Fargo Bank
Address of financial institution	333 S Grand Ave 5th Floor, Los Angeles, CA 90071
Swift Code of financial institution	WFBIUS6S
Account number	4941-04-4786
Routing Transit Number / ABA	121-000-248
Taxpayer ID number	0
Ref Mojave Solar - Invoices	MSOL2019
Amount Payable	214,866.47

04/29/2019	1028911249Z1V	Z1V-Mojave Oper Cst Disb Sub USD	ACH Debits

Thanks!

Best regards,

Ronald Wright
Assistant Controller

Atlantica Sustainable Infrastructure

ronald.wright@atlanticayield.com
1553 W, Todd Dr, Suite 204
Tempe, AZ 85283
Direct: 602.476.1375
www.atlanticayield.com

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix S

2019 VIS 2 Tree replacement pictures

2019 VIS 4 Perimeter Fence damage (nothing to report for 2019)

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

Mojave Solar LLC

42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

January 31, 2020

Trees replaced during 209 representative pictures:

Sylvia Schiortino's house August 01, 2019. 6 trees. 15563 Edie Road. Hinkley CA.

Before 08/01/2019






Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347
Phone: 760 308 0400

After, 08/26/2019






Attachment: Letter provided to and signed by Mrs. Schiortino.

Mojave Solar LLC

Atlantica
Sustainable Infrastructure
Mojave Solar Project
42134 Harper Lake Road
Phone: 760 388 0400
Hinkley, California 92347

September 12, 2019

Mrs. Sylvia Sciortino and Mr. Vito Sciortino
15563 Edie Rd
Hinkley, CA 92347

Re: Trees Planted by MSLLC

Dear Mrs. and Mr. Sciortino:

On November 2013 a letter from Mojave Solar Project went out to those that requested to participate on the offsite landscape screening program.
As per Condition of Certification VIS2 included on the Mojave Solar Project granted California Energy Commission's permit, *"The project owner will replace plants that fail to thrive for a period of five years from installation;"*
On November of 2018, MSLLC finished their obligation to provide care for the planted trees.

As bona fide act, we replaced six more trees during August 2019, following a call from SS on July 2019, but this letter has the intention to inform you that no more trees will be replaced by MSLLC in the future, since our permit's obligation has already ended.
We will still provide you with a warranty of one year from 8/26/2019 for the six trees replaced on that specific date.

Also, the landscaper has provided the attached letter containing care instructions to follow, to ensure the health of your trees.

Please let me know if you have any questions.

Thank you,

José Manuel Bravo.
Compliance Manager

Mojave Solar LLC

Atlantica
Sustainable Infrastructure

Mojave Solar Project
42134 Harper Lake Road
Phone: 760 308-0400
Hinkley California 92347

ASI Operations LLC
42134 Harper Lake Rd
Hinkley, CA 92347
Cell: (303) 378-7302
Office: (760)-308 2601
jmanuel.bravo@abengoa.com

Attachment: Care guideline for the replaced trees. US Department of Agriculture Data Sheet.

Received by:

Signature

Printed name

Sylvia Sisartino

Mojave Solar LLC

Atlantica
Sustainable Infrastructure

Mojave Solar Project
42134 Harper Lake Road
Phone 760 308-0400
Hinkley California 92347

Guideline:

Sweetgum (*Liquidambar styraciflua)* grows in a narrow pyramid to a height of 75 feet and may spread to 50 feet (Fig. 1). He beautifully glossy, star-shaped leaves turn bright red, purple, yellow or orange in the fall (USDA hardiness zones 6 and 7) and early winter (USDA hardiness zones 8 and 9).
Liquidambar can tolerate dry soil but does best in conditions that are hydrated yet properly drained like sandy or clay-type soil that's acidic (avoid swampy, stagnant earth). Please be sure to give the trees an extra water during the early growth stages. Water generously all the trees, regardless of its age if temperature soar, which can cause your tree to dehydrate.

When it comes to feeding your liquidambar tree, any all-purpose fertilizer or manure should do the trick, but there's one thing more important than plant food that will help your tree thrive, adding an inch or two of mulch to the top of the soil in which your liquidambar tree is planted. That will help maintain the proper water levels needed for the tree to grow properly.

Make sure you follow these instructions to have a nice and healthy tree, otherwise you run the risk to have them die.

Sincerely.

MSP.

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

Plant Fact Sheet

SWEETGUM

Liquidambar styraciflua L.

Plant Symbol = LIST2

Contributed by: USDA NRCS Plant Materials Program

USDA NRCS National Plant Materials Center
Beltsville, MD

Alternate Names
redgum, sapgum, starleaf-gum, bilsted

Uses
Erosion Control: Sweetgum is a good choice as a windbreak tree because of its fast growth and tolerance of a wide variety of sites.

Wildlife: Its seeds are eaten by birds, squirrels, and chipmunks.

Timber: Sweetgum is primarily used for lumber, veneer, plywood, slack cooperage, railroad ties, fuel and pulpwood. Its wood is used for veneer, furniture, interior trim, and wooden ware, in addition to pulpwood for fine papers.

Recreation and Beautification: It is used as a specimen plant, shade tree, and street tree.

Status
Please consult the PLANTS Web site and your State Department of Natural Resources for this plant's current status (e.g. threatened or endangered species, state noxious status, and wetland indicator values).

Description
Liquidambar styraciflua L., sweetgum, is native to southeastern, east-central, and south-central United States, southern Mexico, and central America. It is a large deciduous hardwood tree, which can grow to over 100 feet in height and 3 to 5 feet in diameter, with a symmetrical, cone-shaped crown. The bark is grayish brown, deeply furrowed into narrow, somewhat rounded ridges. The leaves are alternate, simple, and palmately lobed with 5-7 points resembling a star in shape, dark green and lustrous above, paler underneath. Flowers are monoecious, female, on a slender stalk terminated by a ½ inch diameter globose head consisting of 2-beaker ovaries subtended by minute scales. The fruit is a dangling brown, woody spiny tipped "gum ball" with seeds brownish and winged.

Adaptation and Distribution
In the wild, sweetgum grows in bottomland areas with rich, moist soil, but can tolerate a variety of soil conditions. The tree does not do well planted in locations where roots are limited in their development. It grows best on moderately coarse to fine soils that are well drained and slightly acid (pH 6.1- 6.5). It develops a deep taproot with numerous highly developed laterals on well drained bottomland sites and a shallow, wide spreading root system on poorly drained sites. Sweetgum is very intolerant to shade but tolerant to flooding. It also tolerates seaside sites if protected from high winds.

Sweetgum is distributed throughout the east and southeast portions of the United States. For a current distribution map, please consult the Plant Profile page for this species on the PLANTS Website.

Establishment
Sweetgum can regenerate naturally from root sprouts following logging. It can be successfully established using quality seedlings with a large root-collar diameter of at least ¼ inch. Mycorrhizae can significantly improve seedling quality. Soil amended with as little as ½ inch of sewage sludge (disked into the soil) can result in better growth at outplanting.

Leafy cuttings taken with a heel can be readily rooted under mist in summer. Transplant balled and burlapped plants in spring into deep, moist, slightly acid soil, full sun. The root system is fleshy, not greatly fibrous, and takes a while to reestablish.

Seeds exhibit only a shallow dormancy, but germination rate is considerably increased by cold, moist stratification at 41 °F for 15 to 90 days in moist sand. Prechilled seeds should be broadcast or drilled to achieve a seedling density of 20-25 per square ft. Seeds should be sown on the soil surface and lightly pressed into the soil. A mulch of sawdust, sand or chopped pine needles should be applied. There are approximately 0.8 lb of clean seeds per bushel of fruit and the average number of seeds per lb is 82,000.

Management
Adequate sunlight is required for sweetgum to reach its potential. Young trees are able to withstand crowding, however, they become intolerant to competition with increasing age. Removal of overstory trees results in rapid growth of young sweetgum trees.

Pests and Potential Problems
Sweetgum is susceptible to iron chlorosis on high pH soils, frost damage to late summer shoot growth, occasional bleeding necrosis, leader dieback, sweetgum blight, leaf spots, sweetgum webworm, caterpillars, cottony-cushion scale, sweetgum scale, and walnut scale.

Cultivars, Improved, and Selected Materials (and area of origin)
'Burgundy,' 'Moraine,' 'Festival,' 'Obtusiloba,' 'Gumball,' 'Palo Alto,' 'Levis,' and 'Variegata.' Sweetgum seeds are commercially available from forest seed companies.

Prepared By & Species Coordinator:
USDA NRCS National Plant Materials Center
Beltsville, Maryland

Edited 05Feb2002 JLK. 060802 jsp

For more information about this and other plants please contact your local NRCS field office or Conservation District and visit the PLANTS Web site<http://plants.usda.gov> or the Plant Materials Program Web site <http://Plant-Materials.nrcs.usda.gov>

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix T

2019 TLSN 4 Annual Compliance Report for transmission line safety and nuisance-related requirements report

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

Mojave Solar LLC

Atlantica
Sustainable Infrastructure

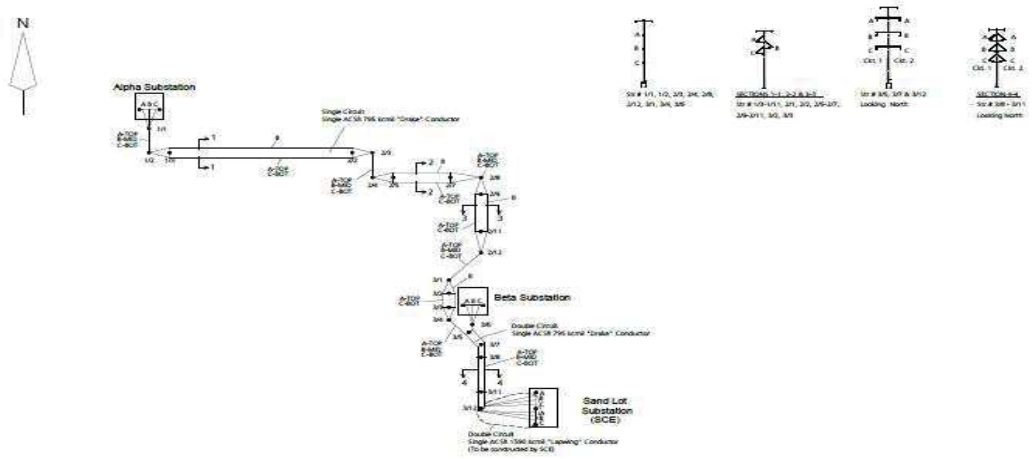
Mojave Solar Project
42134 Harper Lake Road
Phone: 760-308-0400
Hinkley, California 92347

January 29, 2020 **Submitted electronically**

Mojave Solar LLC
42134 Harper Lake Road, Hinkley, CA

Summary of Inspection Records-2019
Per TLSN-4, the high voltage transmission line is located within the Mojave plant's fenced perimeter and is included in regular inspection list managed by the maintenance and Q&E departments. The inspections ensure that there was at least 10 feet of clearance around the electric poles located within Mojave Solar site. Herbicide gets regularly spread to ensure no weeds grow around the poles. There was no combustible substance staged underneath the transmission lines. No fire incident had occurred underneath the transmission lines or around the electric poles. As part of BIO17 Bird Monitoring Plan, the Gen-tie line is currently checked in a monthly basis since September 2017.

Transmission line Layout:



Sincerely,

Jose Manuel Bravo Romero
Manager
Compliance, Quality and Environment Department

ASI Operations LLC
Mojave Solar Project
42134 Harper Lake Rd
Hinkley, CA 92347
Cell: (303) 378-7302
jmanuel.bravo@atlanticayield.com

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix U

2019 Worker Safety 9 SBCFD invitation and records of drill

Mojave Solar Project

Annual Compliance Report

San Bernardino County, California

2019 Reporting Period

Jose Manuel Bravo Romero

From: Jose Manuel Bravo Romero
Sent: Friday, November 22, 2019 9:37 AM
To: rfimbres@terra-gen.com; cmarkloff@sbcfire.org
Cc: Emiliano Garcia Sanz; Nicholas Potrovitza; Enrique Guillen; Adriana Valencia Endress; Eduardo Martínez Delgado
Subject: 2019 Mojave Solar Project's Annual Environmental / Evacuation Drill.

Colleagues and Neighbors,

I would like to cordially invite you to the Mojave Solar Project's Annual Environmental / Evacuation Drill scheduled for 12/05/2019 at 10:00 am.

Please let us know if you plan to attend so we can prepare visitor passes in advance.

Looking forward to see you onsite.

Best regards / Saludos.

José Manuel Bravo Romero
Manager. Permitting, Compliance, Quality & Environmental Department.

Atlantica
Sustainable Infrastructure

jmanuel.bravo@atlanticayield.com
Mojave Solar LLC
42134 Harper Lake Road
Hinkley, CA 92347
T 760-308-2601
C 303-378-7302
www.atlanticayield.com

Jose Manuel Bravo Romero

From: Jose Manuel Bravo Romero
Sent: Wednesday, December 4, 2019 7:53 AM
To: 'rfimbres@terra-gen.com'; 'cmarkloff@sbcfire.org'
Cc: Emiliano Garcia Sanz; Nicholas Potrovitza; Enrique Guillen; Adriana Valencia Endress; Eduardo Martínez Delgado
Subject: RE: 2019 Mojave Solar Project's Annual Environmental / Evacuation Drill.

Good morning,

This is a reminder about our annual drill that will be held tomorrow at 10 AM.

You are very welcome to join us and you are also invited to our **Green Day** lunch that will take place right after the drill.

Please let us know if you want and can attend it.

Best regards / Saludos.

José Manuel Bravo Romero
Manager. Permitting, Compliance, Quality & Environmental Department.

Atlantica
Sustainable Infrastructure

jmanuel.bravo@atlanticayield.com
Mojave Solar LLC
42134 Harper Lake Road
Hinkley, CA 92347
T 760-308-2601
C 303-378-7302
www.atlanticayield.com


Eco-Tip: Printing e-mails is usually a waste

From: Jose Manuel Bravo Romero
Sent: Friday, November 22, 2019 9:37 AM
To: rfimbres@terra-gen.com; cmarkloff@sbcfire.org
Cc: Emiliano Garcia Sanz <emiliano.garcia@atlanticayield.com>; Nicholas Potrovitza <nicholas.potrovitza@atlanticayield.com>; Enrique Guillen <Enrique.Guillen@atlanticayield.com>; Adriana Valencia Endress <adriana.endress@atlanticayield.com>; Eduardo Martínez Delgado <eduardo.martinez@atlanticayield.com>
Subject: 2019 Mojave Solar Project's Annual Environmental / Evacuation Drill.

Colleagues and Neighbors,

I would like to cordially invite you to the Mojave Solar Project's Annual Environmental / Evacuation Drill scheduled for 12/05/2019 at 10:00 am.

Please let us know if you plan to attend so we can prepare visitor passes in advance.

Looking forward to see you onsite.

Best regards / Saludos.

José Manuel Bravo Romero
Manager. Permitting, Compliance, Quality & Environmental Department.

Atlantica
Sustainable Infrastructure

jmanuel.bravo@atlanticayield.com
Mojave Solar LLC
42134 Harper Lake Road
Hinkley, CA 92347
T 760-308-2601
C 303-378-7302
www.atlanticayield.com

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Sustainable Infrastructure

Mojave Solar LLC

Drill report

Title:
Emergency drill report
FO-OM-SOL-USA-MJV-013
December 05, 2019 - December 06, 2019

1 General data

Plant	Mojave Solar Plant
Area	Water Treatment Plant Alpha
Time	10:00 AM
Weather conditions	Foggy 41° F
Kind of drill	Evacuation and Sulfuric Acid Spill in WTP area at Alpha Plant
Description	WTP operator reported a spill at the Alpha WTP that required the evacuation of both plants until a complete assessment of the situation was conducted.

Observer			
Company	**Post**	**Name**	**Workplace**
ASI Operations	H&S Q&E Operation Dept. Warehouse Dept.	FRT Jose Manuel Bravo Maria Elena Lopez HS Cynthia Price WH Erick Carrillo Operation Leads, Power Block Operators and Operation's Supervisor	Mojave Solar LLC, Hinkley CA

2 Execution

2.1 Event and scene

Kind of emergency	Partial ☐ Total ☝	Total
Event/ scene		Sulfuric Acid at Skid on West side of Water Treatment Building. By main road access, chemical dosing area.
Damaged plant		None
Situation/ area		Water Treatment Plant – Alpha
Damaged equipment	Tag number	None
	Name	None
Injured personnel	Yes ☐ No ☐	No
	Number	None

2.2 Conditions before the emergency

Drill was performed 2 days: December 05 for A shift and December 06 for B shift.
Morning unit normal start up given weather conditions. Heavy fog conditions, low visibility, cloudy, rain forecasted for later in the day.

2.3 Execution and chronological sequence

12/05/2019 day

Time	Position	Action	Photograph
10:00	CR	Initial Notification	Section 2.6
10:01	FRT & HS	Evacuation initiated at both plants. Env team on the way to the scene / size up situation.	Section 2.6
10:01	WT / FR	Area initial isolation.	Section 2.6
10:02	CR	Alarm rung 2nd time.	Section 2.6

10:05	CR	Alarm rung 3rd time.	Section 2.6
10:05	WT / FRT / HS	SDS review / PPE/ actions Team reviewed.	Section 2.6
10:06	WT /FRT / HS	Situation assessed, under control. Notifications to 911 not deemed necessary. Evacuation in progress.	Section 2.6
10:07	CR	Alarm rung 4th time.	Section 2.6
10:08	FRT	Spill kits and PPE deployed.	Section 2.6
10:09	FR / HS	All personnel at Alpha accounted for.	Section 2.6
10:11	FR / HS	All personnel at beta accounted for.	Section 2.6
10:14	FR / HS	Evacuation complete. Spill under control, clean up in progress. Radio communication moved from all channel to dedicated. All other personnel released to return to work.	Section 2.6
10:17	FR / HS / EH	Plan executed.	Section 2.6
10:18	FR / HS	Drill complete.	Section 2.6

12/06/2019 day

Time	Position	Action	Photograph
10:00	CR	Initial Notification	Section 2.6
10:01	FRT & HS	Evacuation initiated at both plants. ALL the personnel to the muster point first.	Section 2.6
10:02	WT / FR	AO called CR on Ch 1 about the spill in WT plant (not sure of the chemical type and a bad leak)	Section 2.6

10:03	CR	CRL announced it over ALL call	Section 2.6
10:04	CR	No injury's reported, and no outside agency's needed for help	Section 2.6
10:06	Q&E / CRL / HS	Q&E Mng. responding, asked for safety to respond as well	Section 2.6
10:07	Q&E / CRL / HS	Scene assessment underway from Chema. 911 not deemed necessary. Evacuation in progress.	Section 2.6
10:07	Q&E / CR / HS	Sulfuric Acid spill reported as the spilling chemical, SDS being analyzed.	Section 2.6
10:08	CR	Called on phone Management (mock call to David/Nicholas)	Section 2.6
10:08	Q&E / CR / HS	Sulfuric Acid spill reported as the spilling chemical, SDS being analyzed.	Section 2.6
10:10	CR / ER	All personnel at Alpha and Beta accounted for.	Section 2.6
10:14	FR / HS	Evacuation complete. Spill under control, clean up in progress.	Section 2.6
10:15	FR / HS / EH	Plan executed. All other personnel released to return to work.	Section 2.6
10:15	FR / HS	Drill complete.	Section 2.6

2.4 Comments from Observers

- Alarm in Beta was audible. Alpha's alarm not audible. Second day neither.
- One searcher sent out to ensure buildings were evacuated. 2 people should be sent.
- Personnel was accounted for.

- FR, CR and HS personnel communication was clear and effective. Both days. The second day the communication was improved by having them conducted by the Control Room lead. The script and communication protocol need to be revised.
- Radio communication effective on all channel. Both days. The Radio Communication script and procedure will be reviewed.
- Install color and visible signs at the higher elevation at the plant to be able to asses the wind conditions.
- Include an SDS binder in the laboratories and make sure all of them are up to date and completed.

2.5 Incidents and recommendations

Incidents-Faults	Recommendations	Due date	Responsible
Alarm	Open a PM to check the alarms on a shorter period of time, for proper maintenance purpose	1/31/2020	Maintenance
PPE	Fitting of respiratory equipment	3/31/2020	Q&E, H&S
SDS	Update all SDS hard copy and electronic information.	1/31/2020	Q&E, H&S
ERP	If an evacuation is necessary, we first, gather at the muster point and then dispatch a team to deal with the situation after all people have been accounted for.	ERP revision	Q&E, H&S
ERP	Designating an emergency channel and have only the team involved with emergency situation stay on that channel to communicate with control room.	ERP revision	Q&E, H&S
ERP	Better Identification of the Emergency Response Plan (ERP) at both Alpha and Beta Main location.	ERP revision	Q&E, H&S
ERP	Create (ERP) checklist for easy reference.	ERP revision	Q&E, H&S
ERP	Review and improve the (ERP) Clarify reporting procedure (PBO/WTO reports to Control room or ops supervisor, who then reports all people necessary listed on mishap list) Control room then becomes the first point contact for any incident. Include all Contact Information (mishap channels of communication) into ERP.	ERP revision	Q&E, H&S

2.6 Pictures

Email communications and guideline for the drill (double click the icon to open the annex):

Email to all Mojave employees 11-22-20

Email to all Mojave employees 12-02-20

Email to all Mojave employees 12-04-20

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation _____	Starting Time of the Evacuation: _____ Ending time of the Evacuation: _____		
Ensure proper cross-section of personnel represented at the critique.	☐	☐	
Effectiveness of evacuation	☐	☐	
Were proper evacuation routes used?	☐	☐	
Do the designated routes work?	☐	☐	
Were evacuation routes posted?	☐	☐	
Egress properly indicated?	☐	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☐ ☐	☐ ☐	
Was proper safe area used? Do the designated safe areas work?	☐ ☐	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☐	☐	
Was situation properly reported	☐	☐	
Was BP Radio/Operator's follow-up effective	☐	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☐ ☐	☐ ☐	
How were off-site personnel accounted for? Did personnel report-in properly?	☐ ☐	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☐ ☐ ☐	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions			
Evaluate performance of the designated Emergency Coordinator for the area.			
Evaluate duties and performance of those remaining behind in critical operations.			
Evaluate interaction/communication with emergency responders.			
Evaluate emergency actions of on-site personnel, the Emergency Response Team, and the IMT.			
Was Transfer of Command followed?	☐	☐	
Were HAZWOPER requirements met and adhered to?	☐	☐	

Atlantica
Sustainable Infrastructure

TX.

Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12/5/19			Starting Time of the Evacuation: 10:00 AM Ending time of the Evacuation: 10:17 AM
Ensure proper cross-section of personnel represented at the critique.	☒	☐	
Effectiveness of evacuation	☒	☐	
Were proper evacuation routes used?	☒	☐	
Do the designated routes work?	☒	☐	
Were evacuation routes posted?	☒	☐	
Egress properly indicated?	☒	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☐ ☒	☒ ☐	ALPHA ALARM DIDN'T SOUND NEED PM / EXERCISE OF
Was proper safe area used? Do the designated safe areas work?	☒ ☒	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☒	☐	NEED TO IMPROVE
Was situation properly reported	☒	☐	SOME CONFUSION / NEED TO IMPROVE
Was BP Radio/Operator's follow-up effective	☐	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☒	☐ ☐	
How were off-site personnel accounted for? Did personnel report-in properly?	☒	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☒ ☐ ☒	☐ ☒ ☐	NOT NEEDED
Evaluate first responder (person discovering incident) actions WITH TRUST THAT PERSONNEL DOES			PIC: IN PLACE / NEED DIFFERENT RADIOS FOR
Evaluate performance of the designated Emergency Coordinator for the area.			
Evaluate duties and performance of those remaining behind in critical operations.			SUPPORT FROM OPERATIONS PERSONNEL LOCATION IN PLACE
Evaluate interaction/communication with emergency responders.			OK / GOOD
Evaluate emergency actions of on-site personnel, the Emergency Response Team, and the IMT.			NO IMT → CHIEF DESIGNEE / ON SITE ROOM + LOCATION SUPERVISOR
Was Transfer of Command followed?	☒	☐	
Were HAZWOPER requirements met and adhered to?	☒	☐	NEED FURTHER TRAINING SDS / EMERGENCY BOOK

→ NO ALARM in ALPHA
- SDS IN PLACE / 20 MIN / BROUGHT THE EG BAG

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

45' Foggy

BETA

Drill Guidelines and Critiques Checklist

Alejandra Manzo

	Yes	No	Notes
Date of the Evacuation 12-05-2019	Starting Time of the Evacuation: 10:00 AM Ending time of the Evacuation: 10:14 AM		
Ensure proper cross-section of personnel represented at the critique	☑	☐	
Effectiveness of evacuation	☑	☐	
Were proper evacuation routes used?	☑	☐	
Do the designated routes work?	☑	☐	
Were evacuation routes posted?	☑	☐	
Egress properly indicated?	☑	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☑ ☑	☐ ☐	
Was proper safe area used? Do the designated safe areas work?	☑ ☑	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☑	☐	
Was situation properly reported	☑	☐	
Was BP Radio/Operator's follow up effective	☑	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on site?	☑ ☑	☐ ☐	had personnel sign into sheet
How were off-site personnel accounted for? Did personnel report-in properly?	☑ ☑	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☑ ☑ ☑	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions	First responder was clear over the radio		
Evaluate performance of the designated Emergency Coordinator for the area	Performance was handled efficiently and safely.		
Evaluate duties and performance of those remaining behind in critical operations	The first responders were efficient in the clean up.		
Evaluate interaction/communication with emergency responders	Emergency responders were communicating clearly to each other.		
Evaluate emergency actions of on site personnel, the Emergency Response Team, and the IMT	Personnel were accounted for and escorted out.		
Was Transfer of Command followed?	☑	☐	
Were HAZWOPER requirements met and adhered to?	☑	☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12-5-19	Starting Time of the Evacuation 10:00AM Ending t me of the Evacuation 10:17 AM		
Ensure proper cross-section of personnel represented at the critique	☑	☐	
Effectiveness of evacuation	☑	☐	
Were proper evacuation routes used?	☑	☐	
Do the designated routes work?	☑	☐	
Were evacuation routes posted?	☑	☐	
Egress properly indicated?	☑	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☑ ☑	☐ ☐	
Was proper safe area used? Do the designated safe areas work?	☑ ☑	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☐	☐	
Was situation properly reported	☐	☐	Needs to be on All Call
Was BP Radio/Operator's follow-up effective	☐	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☑ ☑	☐ ☐	
How were off-site personne accounted for? Did personnel report-in properly?	☑ ☑	☐ ☐	Ask Contractor (EAD).
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☑ ☑ ☑	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions RAUL, Anthony	Made sure everyone was accounted for; in the correct area		
Evaluate performance of the designated Emergency Coordinator for the area.	was able to quickly identify the spill; get materials needed.		
Evaluate duties and performance of those remaining behind in critical operations.	Good communication; Followed procedure		
Evaluate interaction/communication with emergency responders	Got information across Clearly; calm		
Evaluate emergency actions of on-site personnel, the Emergency Response Team, and the IMT	Quick response; contained spill		
Was Transfer of Command followed?	☑	☐	
Were HAZWOPER requirements met and adhered to?	☑	☐	Spill kits.

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Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12-5-19	Starting Time of the Evacuation: 1000 Ending time of the Evacuation: 1013		
Ensure proper cross-section of personnel represented at the critique.	☐	☐	
Effectiveness of evacuation	☐	☒	NEEDS IMPROVEMENT / TRAINING
Were proper evacuation routes used?	☒	☐	
Do the designated routes work?	☒	☐	
Were evacuation routes posted?	☐	☒	NEED TO CONTROL ROOM
Egress properly indicated?	☒	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☐ ☐	☒ ☒	ALARM DID NOT WORK WORK ORDER # 10211382
Was proper safe area used? Do the designated safe areas work?	☒ ☒	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☐	☒	
Was situation properly reported	☐	☒	NEED TO LET CONTROL ROOM KNOW THE SITUATION
Was BP Radio/Operator's fo low-up effect ive	☐	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☒ ☒	☐ ☐	
How were off-site personne accounted for? Did personnel report in properly?	☐ ☒	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☒ ☐ ☒	☐ ☒ ☐	
Evaluate first responder (person discovering incident) actions			
Evaluate performance of the designated Emergency Coordinator for the area			
Evaluate duties and performance of those remaining behind in crit cal operations			
Evaluate interaction/communication with emergency responders			
Evaluate emergency act ons of on-site personnel, the Emergency Response Team, and the IMT			
Was Transfer of Command followed?	☐	☐	
Were HAZWOPER requirements met and adhered to?	☐	☐	

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BETA

FOGGY CONDITIONS 49° DEGREES 10:11 ALL ACCT FOR AT BETA

MARIA ELENA LOPEZ

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12-05-2019	Starting Time of the Evacuation: 10:00 AM Ending time of the Evacuation: 10:14 AM		
Ensure proper cross-section of personnel represented at the critique	☒	☐	
Effectiveness of evacuation	☒	☐	
Were proper evacuation routes used?	☒	☐	
Do the designated routes work?	☒	☐	
Were evacuation routes posted?	☒	☐	
Egress properly indicated?	☒	☐	
Alarm effectiveness			
Was it heard/seen was it understood? YES	☒ ☒	☐ ☐	
Was proper safe area used? Do the designated safe areas work? YES	☐ ☐	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures? YES	☐	☐	
Was situation properly reported	☐	☐	
Was BP Radio/Operator's follow-up effective	☐	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on site?	☐ ☐	☐ ☐	
How were off-site personnel accounted for? Did personnel report-in properly?	☐ ☐	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☐ ☐ ☐	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions 2 PEOPLE SEARCHERS SHOULD BE USED AT ALL TIMES	NO WAY TO ACCURATELY ACCOUNT FOR PERSONNEL AT EACH PLANT AT THAT POINT IN TIME BY PROVIDED LIST.		
Evaluate performance of the designated Emergency Coordinator for the area			
Evaluate duties and performance of those remaining behind in critical operations CLEAN UP OF SPILL UNDER CONTROL BY WTP PERSONNEL			
Evaluate interaction/communication with emergency responders.			
Evaluate emergency actions of on-site personnel, the Emergency Response Team, and the IMT			
Was Transfer of Command followed?	☒	☐	
Were HAZWOPER requirements met and adhered to?	☒	☐	

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Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12-6-19	Starting Time of the Evacuation 10:00am Ending time of the Evacuation		
Ensure proper cross-section of personnel represented at the critique.	☒	☐	
Effectiveness of evacuation	☒	☐	
Were proper evacuation routes used?	☒	☐	
Do the designated routes work?	☒	☐	
Were evacuation routes posted?	☒	☐	
Egress properly indicated?	☒	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☒ ☒	☐ ☐	
Was proper safe area used? Do the designated safe areas work?	☒ ☒	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☒	☐	Heard but still needs more training
Was situation properly reported	☒	☐	
Was BP Radio/Operator's follow-up effective	☒	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☐ ☐	☒ ☒	Giving the list, we still dont know if everybody is accounted
How were off-site personnel accounted for? Did personnel report-in properly?	☒ ☒	☐ ☐	We know who is missing for the day
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☒ ☒ ☐	☐ ☐ ☒	
Evaluate first responder (person discovering incident) actions			
Evaluate performance of the designated Emergency Coordinator for the area			
Evaluate duties and performance of those remaining behind in critical operations.			
Evaluate interaction/communication with emergency responders			
Evaluate emergency actions of on site personnel the Emergency Response Team, and the IMT			
Was Transfer of Command followed?	☐	☐	
Were HAZWOPER requirements met and adhered to?	☐	☐	

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FAUX – CRO

Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12.6.19	Starting Time of the Evacuation: 1002 Ending time of the Evacuation: 1015		
Ensure proper cross-section of personnel represented at the critique	☐	☐	
Effectiveness of evacuation	☑	☐	
Were proper evacuation routes used?	☑	☐	
Do the designated routes work?	☑	☐	
Were evacuation routes posted?	☐	☑	NOT IN CR
Egress properly indicated?	☐	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☐ ☑	☑ ☐	NO ALARM @ ALMA
Was proper safe area used? Do the designated safe areas work?	☑ ☑	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☑	☐	
Was situation properly reported	☑	☐	
Was BP Radio/Operator's follow-up effective	☑	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☐ ☐	☐ ☐	
How were off-site personnel accounted for? Did personnel report-in properly?	☐ ☐	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☐ ☐ ☐	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions	CALLED INTO CR IMMEDIATELY		
Evaluate performance of the designated Emergency Coordinator for the area			
Evaluate duties and performance of those remaining behind in critical operations			
Evaluate interaction/communication with emergency responders	GOOD		
Evaluate emergency actions of on site personnel, the Emergency Response Team, and the IMT			
Was Transfer of Command followed?	☐	☐	
Were HAZWOPER requirements met and adhered to?	☐	☐	

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Mojave Solar LLC

ALPHA: SULFURIC ACID RESPIRATORS USED.

Drill Guidelines and Critiques Checklist

ATARA ELENA LOPEZ

	Yes	No	Notes
Date of the Evacuation 12-06-2019	Starting Time of the Evacuation: 10:01		
	Ending time of the Evacuation: 10:15 AM		
Ensure proper cross-section of personnel represented at the critique.	☐	☐	
Effectiveness of evacuation	☒	☐	
Were proper evacuation routes used?	☒	☐	
Do the designated routes work?	☒	☐	
Were evacuation routes posted?	☒	☐	
Egress properly indicated?	☒	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☒ ☒	☐ ☐	ALPHA
Was proper safe area used? Do the designated safe areas work?	☒ ☒	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☒	☐	
Was situation properly reported	☒	☐	
Was BP Radio/Operator's follow-up effective	☒	☐	
Were personnel properly accounted for? How was sign-in sheet effectiveness for personnel on-site?	☒ ☐	☐ ☒	HS ACCOUNTED POSSIBLE
How were off-site personnel accounted for? Did personnel report-in properly?	☐ ☐	☐ ☐	
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☐ ☐ ☐	☐ ☐ ☐	
Evaluate first responder (person discovering incident) actions	☒		10.10 BOTH PERSONNEL ACCOUNTED FOR
Evaluate performance of the designated Emergency Coordinator for the area.			
Evaluate duties and performance of those remaining behind in critical operations.			
Evaluate interaction/communication with emergency responders			CLEAR AND CONCISE.
Evaluate emergency actions of on-site personnel, the Emergency Response Team, and the IMT.			
Was Transfer of Command followed?	☒	☐	
Were HAZWOPER requirements met and adhered to?	☒	☐	

ALARM RANG TWICE 10:02 & 10:05
10:07

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Mojave Solar LLC

Drill Guidelines and Critiques Checklist

	Yes	No	Notes
Date of the Evacuation 12-6-19	Starting Time of the Evacuation 1002 Ending time of the Evacuation: _____		
Ensure proper cross-section of personnel represented at the critique.	☐	☐	
Effectiveness of evacuation	☑	☐	
Were proper evacuation routes used?	☑	☐	
Do the designated routes work?	☑	☐	
Were evacuation routes posted?	☑	☐	
Egress properly indicated?	☑	☐	
Alarm effectiveness			
Was it heard/seen was it understood?	☑ ☑	☐ ☐	
Was proper safe area used? Do the designated safe areas work?	☑ ☑	☐ ☐	
Were personnel aware/trained on the ERP and proper evacuation procedures?	☑	☐	
Was situation properly reported	☑	☐	
Was BP Radio/Operator's follow-up effective	☑	☐	
Were personnel properly accounted for? How was sign- n sheet effectiveness for personnel on-site?	☑ ☑	☐ ☐	
How were off-site personnel accounted for? Did personnel report-in properly?	☑ ☑	☐ ☐	Contract Administrator
Securing of site:			
Doors closed but unlocked? Equipment shut-down/depressured? Site security/access controlled?	☐ ☑ ☑	☐ ☐ ☐	N/A
Evaluate first responder (person discovering incident) actions	Me. I notified CR		
Evaluate performance of the designated Emergency Coordinator for the area	Chema and Safety were very organized.		
Evaluate duties and performance of those remain ng behind in crit cal operations	Organized.		
Evaluate interaction/communication with emergency responders	proffessional		
Evaluate emergency actions of on s te personnel, the Emergency Response Team, and the IMT	Efficient		
Was Transfer of Command followed?	☑	☐	
Were HAZWOPER requirements met and adhered to?	☑	☐	

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Mojave Solar LLC

Emergency Presence List

Date: 12-6-19 Time: 1009 Plant: Alpha ☑ Beta ☐

Chief First Responder: 1013 Contractors accounted For

	Last Name	First Name	Shift	Signature
1	Assadi	Ali	A	
2	Avalos	Luis	B	
3	Barden	Cory	B ✓	
4	Barnes	Brandon	O	
5	Bean	Taylor	B	
6	Barrios	Augusto	A ✓	
7	Blake	Michael	A ✓	
8	Blaylock	Jeremy	O	
9	Blevins	Jeff Scott	A	
10	Boucher	Aaron	A	
11	Boucher	Dave	O	
12	Boucher	Kristopher	A	
13	Boyce	William	A	
14	Bravo	Jose Manuel	O ✓	
15	Brunner	Brandon	A	
16	Bullock	Kirk	A	
17	Caballos	Elisa	O ✓	
18	Cabello	Kevin	A	
19	Carrillo	Erick	O ✓	
20	Carter	Michael (Hoodie)	A	
21	Clark	Dave	B	
22	Elizondo	Karl	O	
23	Estrada	Alejandro	A	
24	Fard	Mahnaz	O	
25	Faux	David	B ✓	
26	Franklin	Broderick	A	
27	Frericks	Daniel	B ✓	
28	Fruend	Willliam	A	
29	Garcia	Arlene	B	
30	Garcia	Manuel	B	
31	Garen	Glenn	O ✓	
32	Glenn	Robert	B	
33	Godinez	Jose	B	
34	Greene	Robert	A	
35	Hernandez	Teddy	B	
36	Hill	Derek	B	
37	Hinton	Michael	B ✓	
38	Hoffner	John	A	
39	Jameson	Ray	O	
40	Koupeny	Robert	B	
41	Laboy	Efrem	A	
42	Lambeth	Kevin	A	
43	Leonard	Scott	O ✓	
44	Littleton	Kevin	A	
45	Lopez	Maria	O	
46	Mackie	Glenn	B	
47	Maes	James	A	
48	Manzo	Alfredo Luis	B	
49	Manzo	Alejandro	O	
50	Matson	Jennifer	O	

51	Martinez	Eduardo	O	
52	Maxey	Jesse	A	
53	McCarthy	Aaron	A	
54	Menzel	Timothy	O	
55	Meyer	Nick	O	
56	Mitchell	Brett	A	
57	Montes	Efrain	A	
58	Navarro	Manuel	A	
59	Padilla	Hector	B	
60	Plaza	Luis	A	
61	Points	Richard	A	
62	Potrovitza	Nicholas	O	
63	Price	Cynthia	O ✓	
64	Quezada	Jesus	B	
65	Resma	Anselmo	A	
66	Rivera Tito	Glusbel	B	
67	Robles	Clarissa	B	
68	Rosas	David	O ✓	
69	Rossman	Kristi	O ✓	
70	Rossman	Tony	B	
71	Salas	Ronald	O	
72	Sanchez	Steve	B ✓	
73	Sanchez	Eduard	B	
74	Schuessler	Michael	A	
75	Shell	Larry	O	
76	Sowards	Caleb	B	
77	Strickland	Daniel	B ✓	
78	Thompson	Rico	B	
79	Tinajero	Raul	B ✓	
80	Tourgelis	Philip	A	
81	Vasquez	Anthony	A	
82	Washington	Marie	O ✓	
83	Weeks	Derald	B	
84	Witte	Jesse	A	
	SPR		✓	
	EVEN		✓	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Emergency Presence List

Date: 12.5.19 Time: 1013 Plant: Alpha ☑ Beta ☐

Chief First Responder: Price Guthrie

	Last Name	First Name	Shift	Signature
1	Assadi	Ali	A	
2	Avalos	Luis	B	
3	Barden	Cory	B	
4	Barnes	Brandon	O	
5	Bean	Taylor	B	
6	Barrios	Augusto	A	
7	Blake	Michael	A	
8	Blaylock	Jeremy	O	
9	Blevins	Jeff Scott	A	
10	Boucher	Aaron	A	
11	Boucher	Dave	O	
12	Boucher	Kristopher	A	
13	Boyce	William	A	
14	Bravo	Jose Manuel	O	
15	Brunner	Brandon	A	
16	Bullock	Kirk	A	
17	Caballos	Elisa	O	
18	Cabello	Kevin	A	
19	Carrillo	Erick	O	
20	Carter	Michael (Hoodie)	A	
21	Clark	Dave	B	
22	Elizondo	Karl	O	
23	Estrada	Alejandro	A	
24	Fard	Mahnaz	O	
25	Faux	David	B	
26	Franklin	Broderick	A	
27	Frericks	Daniel	B	
28	Fruend	Willliam	A	
29	Garcia	Arlene	B	
30	Garcia	Manuel	B	
31	Garen	Glenn	O	
32	Glenn	Robert	B	
33	Godinez	Jose	B	
34	Greene	Robert	A	
35	Hernandez	Teddy	B	
36	Hill	Derek	B	
37	Hinton	Michael	B	
38	Hoffner	John	A	
39	Jameson	Ray	O	
40	Koupeny	Robert	B	
41	Laboy	Efrem	A	
42	Lambeth	Kevin	A	
43	Leonard	Scott	O	
44	Littleton	Kevin	A	
45	Lopez	Maria	O	
46	Mackie	Glenn	B	
47	Maes	James	A	
48	Manzo	Alfredo Luis	B	
49	Manzo	Alejandro	O	
50	Matson	Jennifer	O	
51	Martinez	Eduardo	O	

52	Maxey	Jesse	A	
53	McCarthy	Aaron	A	
54	Menzel	Timothy	O	
55	Meyer	Nick	O	
56	Mitchell	Brett	A	
57	Montes	Efrain	A	
58	Navarro	Manuel	A	
59	Padilla	Hector	B	
60	Plaza	Luis	A	
61	Points	Richard	A	
62	Potrovitza	Nicholas	O	
63	Price	Cynthia	O	
64	Quezada	Jesus	B	
65	Resma	Anselmo	A	
66	Rivera Tito	Giusbel	B	
67	Robles	Clarissa	B	
68	Rosas	David	O	
69	Rossman	Kristi	O	
70	Rossman	Tony	B	
71	Salas	Ronald	O	
72	Sanchez	Steve	B	
73	Sanchez	Eduard	B	
74	Schuessler	Michael	A	
75	Shell	Larry	O	
76	Sowards	Caleb	B	
77	Strickland	Daniel	B	
78	Thompson	Rico	B	
79	Tinajero	Raul	B	
80	Tourgelis	Philip	A	
81	Vasquez	Anthony	A	
82	Washington	Marie	O	
83	Weeks	Derald	B	
84	Witte	Jesse	A	
	SGT.			
	ENGR			

BETA

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Emergency Presence List

Date: 12/5/19 - 12-06-19 Time: 1000 Plant: Alpha ☐ Beta ☒

Chief First Responder: CYNTHIA

		Last Name	First Name	Shift	Signature
	1	Assadi	Ali	A	
✓	2	Avalos	Luis	B	
	3	Barden	Cory	B	
	4	Barnes	Brandon	D	
	5	Bean	Taylor	B	
	6	Barrios	Augusto	A	
	7	Blake	Michael	A	
	8	Blaylock	Jeremy	D	
	9	Blevins	Jeff Scott	A	
	10	Boucher	Aaron	A	
	11	Boucher	Dave	D	
	12	Boucher	Kristopher	A	
	13	Boyce	William	A	
	14	Bravo	Jose Manuel	D	
	15	Brunner	Brandon	A	
	16	Bullock	Kirk	A	
	17	Caballos	Elisa	D	
	18	Cabello	Kevin	A	
	19	Carrillo	Erick	D	
	20	Carter	Michael (Hoodie)	A	
	21	Clark	Dave	B	
	22	Elizondo	Karl	D	
	23	Estrada	Alejandro	A	
	24	Fard	Mahnaz	D	
	25	Faux	David	B	
	26	Franklin	Broderick	A	
	27	Frericks	Daniel	B	
	28	Fruend	Willliam	A	
	29	Garcia	Arlene	B	
	30	Garcia	Manuel	B	
	31	Garen	Glenn	D	
	32	Glenn	Robert	B	
✓	33	Godinez	Jose	B	
	34	Greene	Robert	A	
	35	Hernandez	Teddy	B	
✓	36	Hill	Derek	B	
	37	Hinton	Michael	B	
	38	Hoffner	John	A	
	39	Jameson	Ray	D	
	40	Koupeny	Robert	B	
	41	Laboy	Efrem	A	
	42	Lambeth	Kevin	A	
	43	Leonard	Scott	D	
✓	44	Littleton	Kevin	A	
✓	45	Lopez	Maria	D	

✓	46	Mackie	Glenn	B	
	47	Maes	James	A	
✓	48	Manzo	Alfredo Luis	B	
	49	Manzo	Alejandro	O	
	50	Matson	Jennifer	O	
	51	Martinez	Eduardo	O	
	52	Maxey	Jesse	A	
	53	McCarthy	Aaron	A	
	54	Menzel	Timothy	O	
✓	55	Meyer	Nick	O	
	56	Mitchell	Brett	A	
	57	Montes	Efrain	A	
	58	Navarro	Manuel	A	
✓	59	Padilla	Hector	B	
✓	60	Plaza	Luis	A	
	61	Points	Richard	A	
	62	Potrovitza	Nicholas	O	
	63	Price	Cynthia	O	
	64	Quezada	Jesus	B	
	65	Resma	Anselmo	A	
✓	66	Rivera Tito	Giusbel	B	
	67	Robles	Clarissa	B	
	68	Rosas	David	O	
✓	69	Rossman	Kristi	O	
✓	70	Rossman	Tony	B	
	71	Salas	Ronald	O	
	72	Sanchez	Steve	B	
✓	73	Sanchez	Eduard	B	
	74	Schuessler	Michael	A	
✓	75	Shell	Larry	O	
	76	Sowards	Caleb	B	
	77	Strickland	Daniel	B	
	78	Thompson	Rico	B	
	79	Tinajero	Raul	B	
	80	Tourgelis	Philip	A	
	81	Vasquez	Anthony	A	
	82	Washington	Marie	O	
✓	83	Weeks	Derald	B	
	84	Witte	Jesse	A	
✓	85	MARQUEZO	ALEX		
✓	86	Mendoza	Julian		
✓	87	CAMPOS	JOAN		
✓	88	RUIZ	VICTOR		
✓	89	MARTINEZ	JUAN LUIS		
✓	90	Jai	Frank		
✓	91	Art	Doug		
✓	92	Jacob	Ruiz		
✓	93	Lula	Scott		