

DOCKETED

Docket Number:	09-AFC-08C
Project Title:	Genesis Solar Energy Project
TN #:	231351-7
Document Title:	Genesis Solar Energy Center's Annual Report for Reporting Year 2018 - Part 7 of 9 parts
Description:	N/A
Filer:	Charlyn Mosley
Organization:	Genesis Solar, LLC
Submitter Role:	Applicant
Submission Date:	12/30/2019 4:34:15 PM
Docketed Date:	12/30/2019

Certificate of Affidavit

Genesis Solar, LLC

Eric Preher, Plant General Manager

(Name of Person signing affidavit) (Title)

Do hereby certify that background investigations to ascertain the accuracy of the identity and employment history of all employees of Genesis Solar, LLC

(Company name)

Have been conducted as directed by the California Energy Commission Decision for the above named project.



(Signature of Officer or Agent)

Dated this 22 day of JAN, 2018

THIS AFFIDAVIT OF COMPLIANCE SHALL BE APPENDED TO THE PROJECT SECURITY PLAN AND SHALL BE RETAINED AT ALL TIMES AT THE PROJECT SITE FOR REVIEW BY THE CALIFORNIA ENERGY COMMISSION COMPLIANCE PROJECT MANAGER

Section 23

Soil & Water 1

Verification: Once operational, the Project owner shall update and maintain the DESCP for the life of the Project and shall provide in the annual compliance report information on the results of monitoring and maintenance activities.

Response:

There were no erosion problems in 2018. Rain during the 2018 year was wetter than usual. The Genesis Solar facility experienced a total of 3.82 inches throughout the year. There were no signs of major erosion or maintenance necessary.

Climate Blythe - California

°C | °F

	Jan	Feb	Mar	Apr	May	Jun
Average high in °F:	68	73	80	88	97	105
Average low in °F:	40	44	49	55	63	69
Av. precipitation in inch:	0.55	0.59	0.39	0.08	0.04	0.04
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-

	Jul	Aug	Sep	Oct	Nov	Dec
Average high in °F:	109	108	102	90	76	66
Average low in °F:	78	77	69	57	46	39
Av. precipitation in inch:	0.24	0.43	0.43	0.2	0.24	0.59

Section 24

Soil & Water 2

Verification:

During Project operation, the Project owner shall submit to the CPM, applicable quarterly, semi-annual and annual reports presenting all the data and information required. Quarterly reports shall be submitted to the CPM thirty (30) days following the end of the quarter. The 4th quarter report shall serve as the annual report, and will be provided on January 31 in the following year.

The Project owner shall submit to the both the CPM all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.

j. After the first five year operational and monitoring period, the Project owner shall submit a 5-year monitoring report to the CPM that submits all monitoring data collected and provides a summary of the findings. The CPM will determine if the water level measurement frequencies should be revised or eliminated.

Response:

All quarterly, semi-annual and annual reports were submitted to the CPM on a timely basis. Genesis staff has submitted hard copies as well as electronic copies to the CPM. The attachments are included on the site in the Compliance Folder. Reports are included as an attachment due to data size.

Section 25

Soil & Water 5

Verification: At least thirty (30) days prior to the start of construction of the proposed Project, the Project owner shall submit to the CPM a copy of evidence that metering devices have been installed and are operational.

Beginning six (6) months after the start of construction, the Project owner shall prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.

The Project owner shall prepare an annual summary, which will include monthly range and monthly average of water usage in gallons per month, and total water used on an annual basis in acre-feet. For years subsequent to the initial year of operation, the annual summary will also include the yearly range and yearly average water use by source. For calculating the total water use, the term "year" will correspond to the date established for the annual compliance report submittal.

Results of the Water Usage for Genesis Solar, LLC is as follows:

Total Annual Water Usage			
	Well 0	Well 2	Total
Max(gal/month)	421418.1818	3964838.454	4386256
Min (gal/month)	961.0728217	1710606.165	1711567
Average	211189.627	2837722.31	3048911
Total (gal/yr)			388380878.4
Total (acre-ft/yr)			119.167
Total combined			38830878.36

Section 26

Soil & Water 13

CHANNEL MAINTENANCE PROGRAM

Verification: At least sixty (60) days prior to the start of any project-related activities (not including linear), the Project owner shall coordinate with the CPM to develop the Channel Maintenance Program. The Project owner shall submit two copies of the programmatic documentation, describing the proposed Channel Maintenance Program, to the CPM (for review and approval). The Project owner shall provide written notification that they plan to adopt and implement the measures identified in the approved Channel Maintenance Program.

Channel Maintenance Plan:

7. Reporting

As part of the Project Annual Compliance Report to the CPM, submit a Channel Maintenance Program Annual Report specifying which maintenance activities were completed during the year including type of work, location, and measure of the activity (e.g. cubic yards of sediment removed). The Channel Maintenance Program Annual Report will include which maintenance activities were completed during the year including type of work, location, and measure of the activity (e.g. cubic yards of sediment removed), a report describing "Lessons Learned" to evaluate the effectiveness of both resource protection and maintenance methods used throughout the year and establish policies to ensure that resources would be protected to the fullest extent feasible during routine channel maintenance activities.

Response:

The Channel Maintenance Plan was submitted Feb 12, 2013 and was subsequently approved by the CPM. Channel inspections were performed after each major rain event in 2018. Monthly inspections are completed by the production technicians. There were no erosion events throughout the plant site or in the channels. Minimal storm water was retained in the channels allowing for seepage and run off. The last work performed was in 2017, see photo's.



After:



Section 27

Soil & Water – 16

Verification: The Project owner shall file an annual "Notice of Extraction and Diversion of Water" with the SWRCB in accordance with Water Code Sections 4999 et. seq. The Project owner shall include a copy of the filing in the annual

compliance report.

Response:

Copies of the three filed Extraction Reports are shown below:



ANNUAL NOTICE OF GROUNDWATER EXTRACTION & DIVERSION FOR 2018

Water Right ID: G333095
Primary Owner: GENESIS SOLAR LLC

INVOICE

Your Notice of Groundwater Extraction & Diversion (G333095) has been successfully submitted.

Please mail a check or money order for the \$50.00 filing fee along with a printout of this invoice to the following address:

State Water Resources Control Board
Division of Water Rights
PO Box 2000
Sacramento, CA 95812-2000

Check or money order should indicate your recordation number(s) and be made payable to: State Water Resources Control Board.

Do not send cash.

DEADLINE: Payment must be postmarked no later than June 30th in order to be recorded.

THIS SPACE FOR OFFICE USE ONLY	R. _____	AMT: _____
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ELECTRONIC PAYMENT/AUTOMATIC CLEARINGHOUSE (ACH)

If you are paying electronically, include your groundwater recordation number when submitting your payment. Click the following link to visit the [SWRCB Make a Payment webpage](#). Select the "Application Fees" box, then scroll to the bottom of the page and enter your application number **RAG33309518**.

After printing this invoice screen, please click the 'Return to List of Reports' button below to view reports for this Recordation Number. The listing will give you the option of printing the submitted report for your records.

[Return to List of Reports](#)