

DOCKETED

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Project Title:	Abengoa Mojave Compliance
TN #:	203381
Document Title:	Order Approving a Petition to Amend the Energy Commission Decision (Conditions of Certification AQ-25, AQ-26 & AQ-28)
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CALIFORNIA ENERGY COMMISSION

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**STATE OF CALIFORNIA
 ENERGY RESOURCES CONSERVATION
 AND DEVELOPMENT COMMISSION**

In the Matter of: ABENGOA MOJAVE SOLAR POWER PROJECT MOJAVE SOLAR LLC) Docket No. 09-AFC-5C)) Order No. 14-1117-6))) ORDER APPROVING a Petition to Amend) the Energy Commission Decision) (Conditions of Certification AQ-25,) AQ-26, and AQ-28)
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On August 15, 2014, Mojave Solar LLC (MSLLC), the owner of the Abengoa Mojave Solar (AMS) Power Project, submitted a petition to the California Energy Commission (Energy Commission) requesting to amend the Energy Commission Decision (Decision). The petition requests to revise Air Quality Condition of Certification **AQ-25** to provide a different method of measuring the levels of total dissolved solids (TDS) in the cooling tower blow-down water from the project.

STAFF RECOMMENDATION

Energy Commission staff (staff) reviewed the petition and finds that it complies with the requirements of Title 20, Section 1769(a) of the California Code of Regulations and does not oppose MSLLC's petition to amend the AMS Power Project Decision Condition of Certification **AQ-25**. Staff also recommends minor condition language changes to **AQ-26** and **AQ-28**, which do not affect emission limits or create additional air quality impacts.

ENERGY COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed changes will not result in any significant impact to public health and safety, or the environment. The Energy Commission finds that:

- The petition meets all the filing criteria of Title 20, section 1769(a) of the California Code of Regulations concerning post-certification project modifications;
- The modification will not change the findings in the Energy Commission's Final Decision pursuant to Title 20, section 1755;

- The project will remain in compliance with all applicable laws, ordinances, regulations, and standards (LORS), subject to the provisions of Public Resources Code section 25525;
- The modification proposed in the petition would have no potential impacts to the environment;
- The proposed modification would be beneficial to the public because it will not adversely affect the public and will not change the conclusions regarding the environmental or public health impact of the project contained in the Final Decision; and
- The proposed modification is justified because it will allow MSLLC to utilize a more efficient way to measure the TDS levels in the cooling tower blow-down water.

CONCLUSION AND ORDER

The requested project change would conform to applicable federal, state, and Mojave Desert Air Quality Management District (District) air quality LORS, and the amended project would not cause significant air quality impacts, provided that the conditions of certification in the following section are included. Staff recommends that the revised conditions of certification be approved as shown below.

The California Energy Commission hereby approves the following. New language is shown as **bold and underlined**, and deleted language is shown in ~~strikeout~~.

CONDITIONS OF CERTIFICATION

AQ-25 ~~The project owner shall perform weekly specific conductivity tests of the blow down water to indirectly measure total dissolved solids (TDS). Quarterly tests of the blow down water will be done to confirm the relationship between conductance and TDS. The~~ **total dissolved solids (TDS) from the blow-down water shall not exceed 10,000 ppm on a calendar monthly basis. To verify compliance, weekly TDS measurement will be performed using a Hach MP-6 portable meter (or equivalent as approved by the District). The meter must be calibrated monthly to manufacturer specifications.**

Verification: **At least 30 days prior to the start of commercial operation, the project owner should submit to the CPM a copy of the meter specifications and the calibration methodology.** ~~The cooling tower recirculation water TDS content test results shall be provided to representatives for the District, ARB, and the Energy Commission upon request.~~

AQ-26 The project owner shall conduct all required cooling tower water ~~tests~~**measurements** in accordance with a District-approved ~~test~~**measurement** and emissions calculation protocol. Thirty (30) days prior to the first such ~~test~~**measurement** the project owner shall provide a written ~~test~~**measurement** and emissions calculation protocol for District review and approval.

Verification: The project owner shall provide an emissions calculation and water sample ~~testing~~**measurement** protocol to the District for approval and CPM for review at least 30 days prior to the first cooling tower water ~~test~~**measurement**.

- AQ-28** The project owner shall maintain an operations log for this equipment on-site and current for a minimum of five (5) years, and said log shall be provided to District personnel on request. The operations log shall include the following information at a minimum:
- a. Total operation time (hours per day, hours per month, and hours per rolling twelve month period); and
 - b. The date and result of each blow-down water test measurement in TDS ppm, and the resulting mass emission rate.

Verification: The project owner shall make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on November 17, 2014.

AYE: Weisenmiller, Douglas, McAllister, Scott

NAY: None

ABSENT: Hochschild,

ABSTAIN: None



Harriet Kallemeyn,
Secretariat