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Docket Number:	09-AFC-05C
Project Title:	Abengoa Mojave Compliance
TN #:	202937
Document Title:	Petition for Modification of the Abengoa Mojave Solar Project
Description:	MSP Petition for Modification of AQ-25
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Submitter Role:	Applicant Representative
Submission Date:	8/15/2014 2:58:03 PM
Docketed Date:	8/15/2014

**PETITION FOR MODIFICATION OF THE COMMISSION'S
CERTIFICATION OF THE
ABENGOA MOJAVE SOLAR PROJECT**

09-AFC-5C

August 15, 2014

Abengoa Mojave Solar Project
Mojave Solar, LLC
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1. INTRODUCTION AND OVERVIEW OF PROPOSED AMENDMENT

Pursuant to Section 1769 of the Commission's Regulations,¹ Mojave Solar LLC ("MSLLC") hereby submits to the California Energy Commission ("Commission" or "CEC") this petition for modification ("Petition") of the certification for the Abengoa Mojave Solar Project ("MSP" or "Project") (09-AFC-5, approved September 8, 2010), hereinafter "Final Decision."² MSLLC is proposing a modification of Condition of Certification AQ-25 to provide for a different method of measuring the levels of total dissolved solids ("TDS") in the blow down water from the Project. The proposed modification will not cause a physical change in the environment, and will therefore not result in any adverse environmental impacts. The Project will continue to be consistent with all applicable laws, ordinances, regulations, and standards ("LORS"). Because AQ-25 is one of the conditions contained in the Mojave Desert Air Quality Management District's ("MDAQMD") Final Determination of Compliance ("FDOC") for the Project, MSLLC has also submitted an application for modification of the FDOC condition with MDAQMD.³

2. DESCRIPTION OF PROPOSED MODIFICATIONS

Section 1769(a)(1)(A) of the Commission's regulations requires a complete description of the proposed modification, including new language for any conditions that will be affected.

This Petition proposes modification of AQ-25 as follows:

~~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. Weekly readings will be obtained from a Hach MP-6 portable meter (or similar). The meter will be calibrated to manufacturer specifications prior to use.~~

Verification: The cooling tower recirculation water TDS content test results shall be provided to representatives of the District, ARB, and the Energy Commission upon request.

The Hach MP-6 portable meter is a handheld meter that will be used to obtain TDS values of the cooling tower blow-down water. The portable meter will be utilized on a weekly basis to obtain TDS values, and calibrated on a monthly basis in accordance with the applicable manufacturer guidelines.

¹ 20 C.C.R. § 1769.

² Abengoa Mojave Solar Project Commission Decision, Doc. No. 09-AFC-5, CEC-800-2010-008-CMF, Sept. 2010.

³ Specifically, MSLLC requested modification of condition 4 on each Authority to Construct for the Project, MDAQMD permit numbers B011037 and B011038.

3. NECESSITY OF PROPOSED MODIFICATION

Section 1769(a)(1)(B) of the Commission’s regulations requires a discussion of the necessity of the proposed modification. The proposed modification to AQ-25 will allow MSLLC to utilize a more efficient way to measure the TDS levels in the cooling tower blow-down water. Use of the portable meter is consistent with industry standards for measuring TDS levels.

4. IS THE AMENDMENT BASED ON INFORMATION KNOWN AT THE TIME OF THE CERTIFICATION PROCEEDING?

Section 1769(a)(1)(C) of the Commission’s regulations requires a discussion of whether “the modification is based on information that was known by the petitioner during the certification proceeding.” The proposed modification is not based on information known by MSLLC during the certification proceeding as the decision to utilize a different method to measure TDS levels occurred subsequent to approval of the Project by the Commission.

5. IS THE AMENDMENT BASED ON NEW INFORMATION THAT CHANGES OR UNDERMINES THE ASSUMPTIONS, RATIONALE, FINDINGS, OR OTHER BASES OF THE FINAL DECISION?

Section 1769 (a)(1)(D) of the Commission’s regulations requires a discussion of whether the proposed modification is based on new information that changes or undermines the assumptions, rationale, findings, or other bases of the final decision, and if so, an explanation of why the change should be permitted.

The proposed modification to AQ-25 changes only the proposed method to measure TDS levels from the cooling tower blow-down water, and is not based on new information that changes or undermines any of the assumptions, rationale, findings, or other bases of the final decision.

6. ENVIRONMENTAL ANALYSIS OF THE PROPOSED AMENDMENT AND COMPLIANCE WITH APPLICABLE LAWS, ORDINANCES, REGULATIONS AND STANDARDS

Section 1769 (a)(1)(E) of the Commission’s regulations requires an analysis of the impacts the modification may have on the environment. The proposed modification is a change only to the method of testing TDS levels from the cooling tower blow-down water, and is not a change to the project design that will result in a physical change to the environment. As there will be no potential for a physical change to the environment as a result of the modification, let alone an adverse physical change, there are no potential impacts to the environment as a result of the modification.

Section 1769(a)(1)(F) of the Commission’s regulations requires a discussion of the impact of the modification on the Project’s ability to comply with applicable LORS. The proposed modification will not impact the Project’s ability to comply with applicable LORS. In fact, use of the portable meter may potentially result in a more conservative measurement of the Project’s blow-down water TDS levels, as use of the portable meter may potentially register higher TDS levels than that actually emitted by the Project. The Project will ensure that TDS levels from the

blow-down water meets the limits established in the Final Decision for the Project. Therefore, the modification will not impact the Project's ability to comply with applicable LORS.

7. POTENTIAL EFFECTS ON THE PUBLIC RELATED TO THE PROPOSED AMENDMENT

Section 1769(a)(1)(F) requires a discussion of whether the modification affects the public. As discussed above in Section 6 the proposed modification will not result in any physical changes to the environment, and will not result in adverse environmental impacts. Therefore, this modification 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.

8. POTENTIAL EFFECTS ON PROPERTY OWNERS RELATED TO THE PROPOSED AMENDMENT AND LIST OF PROPERTY OWNERS

Section 1769(a)(1)(H) requires a list of property owners potentially affected by the modification. The proposed modification will change only the method used by the Project to measure TDS levels in the cooling tower blow-down water, and will have no adverse environmental effects. Therefore, no property owners will be affected by the proposed modifications. A list of property owners has been previously submitted to the Commission, and can be provided to Commission Staff upon request.

9. CONCLUSION

The Commission should approve the modification to AQ-25 as it will enable the Project to more efficiently measure the TDS levels in the cooling tower blow-down water and will not result in any adverse environmental impacts, or adversely impact the Project's ability to comply with applicable LORS.