

Colorado River Basin Regional Water Quality Control Board

June 23, 2014

Mr. Roy Skinner
SG2 Imperial Valley LLC
525 Market Street
San Francisco, CA 94105

RE: ORDER FOR TECHNICALLY-CONDITIONED CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION FOR DISCHARGE OF DREDGED AND/OR FILL MATERIALS

PROJECT: This federal Clean Water Act Section 401 Water Quality Certification (WQC) (33 U.S.C. § 1341) is written for the Imperial Valley, SOLAR GEN 2-Arkansas Solar Energy Project, Wilkinson Road Crossing, WDID NO. 7A133138001

APPLICANT: SG2 Imperial Valley LLC

- ACTION:**
1. Order for Standard Certification
 2. Order for Technically-Conditioned Certification
 3. Order for Denial of Certification

STANDARD CONDITIONS:

The following standard conditions apply to all certification actions, except as noted above under Action 3 for denials.

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and section 3867 of Title 23 of the California Code of Regulations (23 CCR).
2. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR

section 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. The validity of any non-denial certification action (Actions 1 and 2) shall be conditioned upon total payment of the full fee required under 23 CCR section 3833, unless otherwise stated in writing by the certifying agency.
4. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under State law. For purposes of Clean Water Act (CWA) section 401(d), the applicability of any State law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Water Quality Certification (WQC).
 - a. In response to a suspected violation of any condition of this WQC, the Colorado River Basin Regional Water Quality Control Board (Colorado River Basin Water Board) may require the holder of any permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the Colorado River Basin Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - b. In response to any violation of the conditions of this WQC, the Colorado River Basin Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.

ADDITIONAL CONDITIONS:

The following additional conditions apply to this certification:

1. This WQC applies towards the proposed project (Project) as described in a 401 application received by the Colorado River Basin Water Board on April 8, 2014. Updated information was received on April 28, 2014.
2. The Applicant shall provide the Colorado River Basin Water Board and other interested agencies with written notification of any significant modifications made to the Project prior to implementation of the modifications.
3. This WQC does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

4. This WQC does not authorize the Applicant or any associated party to trespass on any land or property unless the applicant has obtained written authorization or acquired a special use authorization permit from the land or property owner.
5. A copy of this WQC shall be provided to the appropriate onsite Supervisor for the Project. All personnel performing work on the proposed Project shall be familiar with the content of this WQC. Copies of the WQC shall be readily available at the Project site at all times during periods of active work and shall be presented to regulatory agency representatives upon request.
6. The Applicant shall grant Colorado River Basin Water Board staff, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to enter the Project site at reasonable times, to ensure compliance with the terms and conditions of this WQC and/or to determine the impacts the Project may have on waters of the United States.
7. The proposed Project shall not be enlarged or extend beyond the proposed Project impact area. The Applicant shall delineate the Project boundaries and staging areas with stakes, flags and/or temporary construction fencing.
8. The area of vegetation and soil disturbance shall be restricted to the smallest extent possible.
9. The Project shall not discharge substances in concentrations toxic to human, plant, animal, or aquatic life or that produce detrimental physiological responses.
10. The Project shall not discharge waste classified as "hazardous" as defined in Title 23 California Code of Regulations (CCR) section 2521, California Health and Safety Code section 25140, and Title 22, CCR, section 66260.10 et seq.
11. No oil, petroleum products, or rubbish shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into waters of the United States.
12. No equipment maintenance will be done within or near any stream channel where petroleum products or other pollutants from the equipment may enter waters of the United States.
13. Equipment refueling shall not occur within waters of the United States.
14. Any oil or grease leaks shall be immediately cleaned up.
15. The Applicant shall ensure that all contaminated material and/or contaminated soil removed or excavated from the Project site is properly loaded, transported, and disposed of in accordance with Federal, State, and local regulations.

16. Staging/storage areas for equipment and materials shall be located outside of waters of the United States.
17. The Applicant shall ensure that all disturbed and filled areas are adequately stabilized and protected from erosion and siltation by implementing appropriate soil stabilization, sedimentation and silt control measures.
18. Any flow diversion used during construction shall be designed in a manner to prevent pollution, minimize siltation, and shall provide flows to downstream reaches. Flows shall be maintained to support existing aquatic life and riparian wetlands and habitat that may be located upstream and downstream from any temporary diversion.
19. The Applicant shall restore drainages, to the greatest extent possible, to the original bank configuration, stream bottom width, and channel gradient.
20. All temporary facilities and impacts shall be removed and restored to the preexisting conditions and contours to the extent practicable.
21. Construction related materials and wastes shall be removed from the Project site upon completion of the Project.
22. The Applicant shall submit Notice to the Colorado River Basin Water Board within 60-days of completion of the Project. The Notice shall include: 1) a detailed summary of the mitigation and restoration activities implemented during the Project and 2) provide photographic documentation that supports the information summarized in the Notice.
23. The Colorado River Basin Water Board reserves the right to suspend, cancel, or modify and reissue this WQC, after providing notice to the Applicant and/or responsible Site-Supervisor, if the Colorado River Basin Water Board determines that the Project fails to comply with any of the terms or conditions of this WQC.
24. The Applicant shall orally notify the Colorado River Basin Water Board of any noncompliance that may impact the beneficial uses of waters of the United States, as soon as notification is possible and notification can be provided without substantially impeding measures necessary to address the noncompliance.

REGIONAL WATER QUALITY CONTROL BOARD CONTACT PERSON:

If you have any questions, please contact Jay Mirpour, Water Resources Control Engineer, at (760) 776-8981 or jmirpour@waterboards.ca.gov.

WATER QUALITY CERTIFICATION:

I hereby issue an order certifying that any discharge from the referenced Project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law.

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the applicants' Project description and the attached Project Information Sheet, and (b) compliance with all applicable requirements of the Colorado River Basin Water Board's Water Quality Control Plan (Basin Plan).



ROBERT PERDUE, Executive Officer
Colorado River Basin Regional Water Quality Control Board

JJM/

cc: Shanti Abichandani Santulli, U.S. Army Corps of Engineers, Los Angeles District
Bill Orme, SWRCB, Division of Water Quality, Water Quality Certification Unit
Elizabeth Goldmann, U.S. Environmental Protection Agency, Region 9
Thomas A. Vandenberg, Office of Chief Counsel, SWRCB

File: Imperial Valley, SOLAR GEN 2-Arkansas Solar Energy Project, Wilkinson
Road Crossing, WDID NO. 7A133138001

PROJECT INFORMATION

- Application Date:** This WQC applies towards the proposed project (Project) as described in a 401 application received by the Colorado River Basin Water Board on April 8, 2014. Updated information was received on April 28, 2014.
- Applicant:** SG2 Imperial Valley LLC
Contact: Mr. Roy Skinner, (415) 935-2415
- Applicant Representative:** Huffman-Broadway Group, Inc.
Contact: Mr. Terry Huffman, (415) 925-2000
- Project Name:** Imperial Valley, SOLAR GEN 2-Arkansas Solar Energy Project, Wilkinson Road Crossing, WDID NO. 7A133138001
- Start and Completion:** Start Date: July 1, 2014,
End Date: December 15, 2014
- Project Description:** The Basic and Overall Project purpose is to improve roadway access at Wilkinson Road to the Solar Gen 2-Arkansas solar energy generating facility. Improving access into the project from Wilkinson Road requires expansion and modifications to the existing roadway and associated drainage infrastructure. Implementation will involve work within the IID "F" Lateral Canal that is subject to the Clean Water Act Section 404 jurisdiction of the US Army Corps of Engineers (USACE).
- The necessary culvert and roadway over the IID "F" Lateral Canal requires paving and widening the entrance driveway to a width of 28 feet and replacement and extension of the underlying drainage culvert both east and west of the crossing. The existing headwall and concrete pipe under the entrance road will be removed and replaced with a 150 foot length of 48-inch class 3 rubber gasketed reinforced concrete pipe. A headwall/wingwall structure will be installed within the "F" Lateral Canal at either end along with cement apron and the banks will be re-graded to match the existing slope.

- Project Location:** City or area: 1.5 miles northeast of the City of Calipatria, Imperial County, California.
- Longitude/Latitude: 115 degrees 28' 1.65" W / 33 degrees 8' 25.18" N, Township/Range: Section 12, Township 12 South, Range 14 East, San Bernardino Base Meridian
- Receiving Water(s):** Imperial Irrigation District Lateral Canal F
- Acres and Linear Feet Impacted:** 0.076 acre and 279 linear feet (permanent) and 0.004 acre and 46 linear feet (temporary) streambed (unvegetated)
- Standard Best Management Practices (BMPs):**
- No toxic and/or hazardous materials shall be stored near or within wash/drainage areas. To extent possible, these materials will be offsite and/or placed in appropriate secondary containment.
 - Work and staging areas and temporary access routes will be sized, located and flagged so as to limit potential impacts to natural areas. Previous disturbed areas will be used to the extent feasible.
 - No fueling or maintenance of equipment and/or vehicles shall occur adjacent or within the wash/drainage areas.
 - Spoil sites shall not be located where spoil could be washed back into the river, or where spoil will cover aquatic or riparian vegetation. Any materials placed in seasonally dry portions of the canal/ drainage areas that could be washed downstream or could be harmful to aquatic life shall be removed from the streambed prior to inundation by high flows.
 - After completing the activities, the disturbed area will be restored to pre-existing contours and conditions to the extent feasible.

**Additional Site
Specific BMPs:**

1. The development portion of the Project will avoid impacts to wetlands.
2. A biological monitor will survey the site for nesting birds if work is proposed between February 1 and August 31. If an active bird nest is located during construction a buffer will be placed around the nest to minimize disturbance until the fledglings have left the nest. A Biological Monitor will decide the appropriate buffer size based on the species and its location.
3. All staging, maintenance and storage of heavy machinery shall be conducted in such a manner that no fuel, oil or other such petroleum products may run off or be washed by rainfall into the adjacent waters. Upon completion of construction, any excess material shall be removed from the work area and any areas adjacent to the work area where such material may be washed into the adjacent waters.
4. To minimize sedimentation runoff and erosion during construction activities the Permittee shall implement Best Management Practices outlined in the Stormwater Pollution Prevention Plan.
5. All areas identified as needing revegetation should be revegetated with native plant species grown from locally collected seeds.
6. The applicant will coordinate with the Irrigation District so that the work may be accomplished during a time when water levels in Lateral Canal "F" are at their lowest levels. If this is not possible, the applicant will dewater the work area using coffer dams to back up the water flow, and divert the water flow around the work site using pumps as needed.

Federal Permit(s):

U.S. Army Corps of Engineers Nationwide Permit No. 14
(Linear Transportation Crossings)

Status of CEQA:

Lead Agency: Imperial County Board of Supervisors, State Clearinghouse Number: 2011121011. Notice of Determination filed with Imperial County Clerk and State Clearinghouse on 5/29/2012.

An EIR was prepared, mitigation measures were made a condition of project approval, a Statement of Overriding Considerations was not adopted for the project, and required Findings were made pursuant to the provisions of CEQA.

Colorado River Basin Water Board staff has reviewed the water quality portions of the EIR and the proposed mitigation measures, and has concluded that any water quality impacts associated with the Project, which is the Reduced Project Alternative, will be avoided or reduced to less than significant levels.