
North Coast Regional Water Quality Control Board

October 6, 2015

Mr. Jim Ledbetter
1377 East Lodi Ave.
Lodi, CA 95420-0840

Dear Mr. Ledbetter:

Subject: Amendment to the Federal Clean Water Act, Section 401, Water Quality Certification for the Chrome Iron Vineyard/Icaria Creek Streambank Restoration Project

File: Chrome Iron Vineyard/Icaria Creek Streambank Restoration Project
WDID 1B13082WNSO; ECM PIN CW-796971

On September 28, 2015, we were contacted by your consultant who requested an amendment to the October 9, 2013, Federal Clean Water Act, section 401, Water Quality Certification (certification) for the Chrome Iron Vineyard/Icaria Creek Streambank Restoration Project. On September 30, 2015, Regional Water Board staff performed a site inspection to review the proposed adaptive management work.

In response to your request, this letter serves as an amendment to Finding 2 and Condition 4A, allowing an amendment to the authorization of this certification as outlined below:

Finding 2: The original scope of the project was completed in 2013. Adaptive management to the project is proposed to be completed in October 2015 and involves constructing a bioengineered series of boulder and live willow brush layer lifts to connect a blown out 100 foot section of the existing heavily vegetated berm at the top of the bank.

The new berm shape will be trapezoidal, 16 feet wide at the base and 4 feet wide at the top and 100 feet long. It will be built out of quarried boulders, live willow brush layers and with pit run rock filling the gaps between the boulders. The boulders will form the face of the slope, thicker on the stream side than on the road side. The interior of this berm will be filled

with pit run rock, which contains sufficient soil to support the willows. This structure will be built as a series of 2-3 ft. tall lifts, each lift a sandwich of boulders pit run rock and dense live willow brush layers. Both faces of the structure will be immediately covered with dense willow vegetation. Irrigation will be installed at the site and used to keep the willow alive until it is self-maintaining.

Condition 4A: The Project shall include the following:

- Irrigation shall be incorporated for at least the first two years of monitoring; plantings must be self-sustaining for at least two years after irrigation is halted to meet success criteria.
- Monitoring shall be conducted for a period of at least five years or until success criteria have been met.
- Mitigation plantings shall achieve at least 85% survival and thriving to meet success criteria.

Annual project progress reports shall be submitted describing status of BMP implementation and compliance with all requirements of this certification prior to January 31, of each year, until the project has reached completion. The report shall be submitted electronically to nothcoast@waterboards.ca.gov. The report must include the following information:

- The name, WDID number and ECM PIN of the project;
- The names, qualifications, and affiliations of the persons contributing to the report;
- The status, progress, and anticipated schedule for completion of project construction activities including the installation and operational status of construction storm water best management practices for and the implementation and success of required mitigation;
- A description of project construction delays encountered or anticipated that may affect the schedule for construction completion;
- A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- A summary, including photos, demonstrating the success of the plantings for at least 5 years after being planted.

I hereby issue this amendment to Finding 2 and Condition 4A of the Certification for the Chrome Iron Vineyard/Icaria Creek Streambank Restoration Project (WDID 1B13082WNSO) certifying that the remainder of the Water Quality Certification sections of the October 9, 2013, Order are still valid.

If you have any questions or comments, please contact Kaete King at (707) 576-2848 or kaete.king@waterboards.ca.gov.

Sincerely,

Matthias St. John
Executive Officer

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cc: Evan Engber, Bioengineering Assoc., evan@bioengineers.com
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