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**North Coast Regional Water Quality Control Board**

October 31, 2013

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In the Matter of

**Water Quality Certification**

for

**HJH Family Bank Stabilization Project**  
**WDID No. 1B13063WNSO**

APPLICANT: Ms. Laura Wilson of HJH Family LLC  
RECEIVING WATER: Russian River  
HYDROLOGIC UNIT: Russian River Hydrologic Unit, Guerneville Hydrologic Subarea  
No. 114.11  
COUNTY: Sonoma  
FILE NAME: HJH Family Bank Stabilization Project

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BY THE EXECUTIVE OFFICER:

1. On May 22, 2013, Ms. Laura Wilson of HJH Family LLC (Applicant) filed an application for water quality certification (certification) under section 401 of the Clean Water Act (33 U.S.C. § 1341) with the California Regional Water Quality Control Board, North Coast Region (Regional Water Board) for activities associated with the HJH Family Bank Stabilization Project (Project). The Regional Water Board provided public notice of the application pursuant to title 23, California Code of Regulations, section 3858 on August 21, 2013, and posted information describing the Project on the Regional Water Board's website. We did not receive any public comments on the Project. The Project is located at 14613 River Road, latitude 38.519045°N, longitude 122.979128°W. The Project will cause permanent impacts to approximately 0.07 acres, of river bank of the Russian River, Guerneville Hydrologic Subarea No. 114.11, Lower Russian River Hydrologic Area 114.00.

2. The Project includes safety and water quality protection improvements to an eroding area of the river bank that is directly below the applicant's house and endangering the stability of the foundation. The eroding area is approximately 70 feet long and approximately 28 feet wide. The area has been actively eroding during high water events, has contributed sediment to the river, and is threatening to undermine the house foundation. The proposed Project will install a buried row of stacked 3 foot cubed gabion baskets filled with rocks at the toe of slope and at the top of slope near the foundation of the house. Spanning the rows of gabions will be flat gabion baskets approximately 6 feet by 9 feet by one foot thick. These flat or "mattress" gabions will be tied together and filled with rock. Native trees and shrubs will be planted in and around the gabion structure, to further stabilize the bank, provide shade to the repaired area and the river bank, and to provide overhanging vegetation over the river channel. The vegetation will be irrigated, monitored and maintained and reported on for at least five years or until the vegetation is thriving and providing shade to the repair area. No work is planned to be performed within the wetted channel. If necessary, silt curtains will be used if there is danger of sediment reaching the river.
3. The Project is planned to take place the fall of 2013. Work is proposed to last approximately ten weeks.
4. Native trees, shrubs and grasses will be planted in and around the gabion structure, to further stabilize the bank, provide shade to the repaired area and the river bank, and to provide overhanging vegetation over the river channel. The vegetation will be irrigated, monitored and maintained and reported on for at least five years, to meet the success criteria of at least 85% survival. A preliminary revegetation plan submitted by Kelder Engineering on August 14, 2013, with a revised plan submitted by Kjeldsen Biological Consulting on October 28, 2013, contingent upon the Regional Water Board's approval. Subsequent changes to the revegetation plan shall be subject to the Regional Water Board's review and approval. The Project will employ best management practices to prevent or reduce any discharges during and after construction.
5. The Applicant has applied for authorization from the United States Army Corps of Engineers for a Clean Water Act, section 404 permit. Additionally, the applicant has applied to the California Department of Fish and Wildlife for a Streambed Alteration Agreement.
6. The Regional Board, as lead California Environmental Quality Act (CEQA) agency, has determined that this Project qualifies for a categorical exemption, 15304 class 4 (f) Minor alterations to land, and will file a Notice of Exemption for the project pursuant to CEQA guidelines.
7. This discharge is also regulated under State Water Resources Control Board Order No. 2003-0017-DWQ, "General Waste Discharge Requirements for Dredge and Fill

Discharges That Have Received State Water Quality Certification," which requires compliance with all conditions of this water quality certification.

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2003/wqo/wqo2003-0017.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0017.pdf)

Receiving Water: Russian River Hydrologic Unit,  
Guerneville Hydrologic Subarea No. 114.11

Filled or Excavated Area: Permanent impact to river bank: 0.07 acres

Total Linear Impacts: 70 feet

Fill Volume: 58 cubic yards rock

Latitude/Longitude: 38.519045°N / 122.979128°W

Expiration: October 31, 2018

Accordingly, based on its independent review of the record, the Regional Water Board certifies that the HJH Family Bank Stabilization Project (WDID No. 1B13063WNSO), as described in the application, will comply with sections 301, 302, 303, 306 and 307 of the Clean Water Act, and with applicable provisions of state law, provided that the Applicant complies with the following terms and conditions:

All conditions of this order apply to the Applicant (and all their employees) and all contractors (and their employees), sub-contractors (and their employees), and any other entity or agency that performs activities or work on the Project as related to this Water Quality Certification.

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330 and title 23, California Code of Regulations, section 3867.
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 title 23, California Code of Regulations, section 3855, subdivision (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 this certification is conditioned upon total payment of any fee required under title 23, California Code of Regulations, section 3833, and owed by the Applicant.

4. A preliminary revegetation plan submitted by Kelder Engineering on August 14, 2013, with a revised plan submitted by Kjeldsen Biological Consulting on October 28, 2013, contingent upon the Regional Water Board's approval. Subsequent changes to the revegetation plans shall be subject to the Regional Water Board's review and approval. Revegetation will consist of erosion control seeding of all disturbed areas, willow sprigging within the Gabion structures as well as native shrubs, grasses and trees, in addition to, removal and disposal of the invasive *Arundo* species within the property in accordance with the approved plan. The plan includes irrigation for the plantings to establish and must achieve a minimum of 85% survival rate at the end of five years. The Applicant will be responsible for implementation of the approved plan and monitoring and reporting responsibilities.
5. The Russian River is identified as impaired for sediment and temperature under Clean Water Act Section 303(d). At present, total maximum daily loads (TMDLs) have not been established for this water body. If TMDLs are established and implementation plans are adopted for this watershed prior to the expiration date of the requested Certification, the Regional Water Board may revise the provisions of that Certification to address actions identified in such action plans. Bank erosion is identified as a source contributing to the sediment impairment. Removal of riparian vegetation is identified as a source contributing to temperature impairment. Activities that will be authorized by this Order are designed to reduce removal of riparian vegetation and reduce sediment discharges from bank erosion. Accordingly, this Order is consistent with, and implements, BMPs that would attenuate sediment and temperature adverse impacts.
6. Pursuant to Regional Water Board Resolution R1-2004-0087, Total Maximum Daily Load Implementation Policy Statement for Sediment-Impaired Receiving Waters within the North Coast Region (Sediment TMDL Implementation Policy), the Executive Officer is directed to "rely on the use of all available authorities, including existing regulatory standards, and permitting and enforcement tools to more effectively and efficaciously pursue compliance with sediment-related standards by all dischargers of sediment waste."
7. The federal antidegradation policy requires that state water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 incorporates the federal antidegradation policy where the federal policy applies under federal law. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Regional Water Board's Basin Plan implements, and incorporates by reference, both the State and federal antidegradation policies. This Order is consistent with applicable federal and State antidegradation policies, as it does not authorize the discharge of increased concentrations of pollutants or increased volumes of treated wastewater.

8. Any water pumped from the work area shall not be discharged back to the creek; it shall be pumped to a tank or other conveyance and disposed of at a legal point of disposal.
9. Applicant shall prioritize the use of wildlife-friendly 100% biodegradable erosion control products/BMPs whenever feasible. For purposes of this Order, photodegradable synthetic products are not considered biodegradable. Applicant shall not use or allow the use of erosion control products that contain synthetic (e.g., plastic or nylon) netting or materials for permanent erosion control (i.e., erosion control materials to be left in place for two years or after the completion date of the Project). If the Applicant finds that erosion control netting or products have entrapped or harmed wildlife, the Applicant shall remove the netting or product and replace it with wildlife-friendly biodegradable products. Applicant shall remove any remaining synthetic netting or materials remaining at the end of two years, or sooner.
10. BMPs shall be implemented as proposed in the application materials. BMPs for erosion, sediment and turbidity control shall be implemented and in place at commencement of, during and after any ground clearing activities or any other Project activities that could result in erosion or sediment discharges to surface water. Severe and unseasonal rain events are becoming more frequent due to the effects of climate change. Therefore, BMPs shall be immediately available for deployment at all times to prevent discharges to waters of the state.
11. No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washings, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, other than that authorized by this Order, shall be allowed to enter into or be placed where it may be washed by rainfall into waters of the State. When operations are completed, any excess material or debris shall be removed from the work area.
12. The Applicant shall provide Regional Water Board staff access to the Project site to document compliance with this certification.
13. If, at any time, an unauthorized discharge to surface water (including wetlands, lakes, rivers or streams) occurs, or any water quality problem arises, the associated Project activities shall cease immediately until adequate BMPs are implemented including stopping work. The Regional Water Board shall be notified promptly and in no case more than 24 hours after the unauthorized discharge or water quality problem arises.
14. Prior to implementing any change to the Project that may have a significant or material effect on the findings, conclusions, or conditions of this Order, the Applicant shall obtain the written approval of the Regional Water Board Executive Officer. If the Regional Water Board is not notified of a significant alteration to the Project, it will be considered a violation of this Order, and the Applicant may be subject to Regional Water Board enforcement action(s).

15. All Project work shall be conducted as described in this Order and in the application submitted by the Applicant, and shall comply with all applicable water quality standards as detailed in the Basin Plan. If the Regional Water Board is not notified of a significant alteration to the Project, it will be considered a violation of this Order, and the Applicant may be subject to Regional Water Board enforcement actions.
16. The Applicant shall provide a copy of this Order and State Water Resources Control Board (SWRCB) Order No. 2003-0017-DWQ to any contractor(s), subcontractor(s), and utility company(ies) conducting work on the Project, and shall require that copies remain in their possession at the work site. The Applicant shall be responsible for ensuring that all work conducted by its contractor(s), subcontractor(s), and utility companies is performed in accordance with the information provided by the Applicant to the Regional Water Board.
17. Disturbance or removal of existing vegetation shall not exceed the minimum necessary to complete the Project.
18. Fueling, lubrication, maintenance, storage, and staging of vehicles and equipment shall not result in a discharge or threatened discharge to any waters of the State including dry portions of the shoreline. At no time shall the Applicant or its contractors allow use of any vehicle or equipment, which leaks any substance that may impact water quality.
19. The Regional Water Board may add to or modify the conditions of this Order, as appropriate, to implement any new or revised water quality standards and implementation plans adopted and approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.
20. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under applicable state or federal law. For the purposes of section 401(d) of the Clean Water Act, 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 Order. In response to a suspected violation of any condition of this certification, the State Water Board may require the holder of any federal permit or license subject to this Order to furnish, under penalty of perjury, any technical or monitoring reports the State Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In response to any violation of the conditions of this Order, the Regional Water Board may add to or modify the conditions of this Order as appropriate to ensure compliance.

21. In the event of any change in control of ownership of land presently owned or controlled by the Applicant, the Applicant shall notify the successor-in-interest of the existence of this Order by letter and shall forward a copy of the letter to the Regional Water Board at the above address.

To discharge dredged or fill material under this Order, the successor-in-interest must send to the Regional Water Board Executive Officer a written request for transfer of the Order. The request must contain the requesting entity's full legal name, the state of incorporation if a corporation, and the address and telephone number of the person(s) responsible for contact with the Regional Water Board.

The request must also describe any changes to the Project proposed by the successor-in-interest or confirm that the successor-in-interest intends to implement the Project as described in this Order. Except as may be modified by any preceding conditions, all certification actions are contingent on: a) the discharge being limited to and all proposed mitigation being completed in strict compliance with the Applicant's Project description, and b) compliance with all applicable requirements of the Water Quality Control Plan for the North Coast Region (Basin Plan).

22. The authorization of this certification for any dredge and fill activities expires on October 31, 2018. Conditions and monitoring requirements outlined in this Order are not subject to the expiration date outlined above, and remain in full effect and are enforceable.

If you have any questions or comments, please call Stephen Bargsten at (707) 576-2653 or Gil Falcone at (707) 576-2830.

Original Signed By

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Matthias St. John  
Executive Officer

131031\_HJH\_Family\_Bank\_Stabilization\_401

Weblink: State Water Resources Control Board Order No. 2003-0017 -DWQ, General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification can be found at:  
[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2003/wqo/wqo2003-0017.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0017.pdf)

Original to: Ms. Laura Wilson of HJH Family LLC, P.O. Box 386 Guerneville, CA 95446

Copy to: Mr. Kurt Kelder, Kelder Engineering, 132 S. Cloverdale Blvd., Cloverdale, CA 95425