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## Central Valley Regional Water Quality Control Board

19 December 2023

Harish Zade  
Knauf Insulation  
3100 Ashby Road  
Shasta Lake City, CA 96019

**NOTICE OF APPLICABILITY: STATE WATER RESOURCES CONTROL BOARD  
CLEAN WATER ACT SECTION 401 GENERAL WATER QUALITY CERTIFICATION  
FOR REGIONAL GENERAL PERMIT 8 (ORDER WQ 2023-0061-DWQ), KNAUF  
INSULATION, RAILROAD SPUR CULVERT EMERGENCY REPAIR PROJECT,  
SHASTA COUNTY, WDID NO. 5A45CR00655**

This letter serves to notify Knauf Insulation that the Railroad Spur Culvert Emergency Repair Project (Project) is certified under State Water Resources Control Board's Clean Water Act Section 401 General Water Quality Certification for Regional General Permit 8 for emergency repair activities (General Order; Order WQ 2023-0061-DWQ). The project site is located at latitude 40.6531, longitude -122.3923 in Shasta Lake City, California.

This Notice of Applicability (NOA) is being issued to Knauf Insulation (hereinafter Enrollee) by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) under the General Order pursuant to Section 3838 of the California Code of Regulations. A copy of the General Order is enclosed and may also be accessed on [State Water Resources Control Board's General Orders Web Page](https://www.waterboards.ca.gov/water_issues/programs/cwa401/generalorders.html#yr_2023) ([https://www.waterboards.ca.gov/water\\_issues/programs/cwa401/generalorders.html#yr\\_2023](https://www.waterboards.ca.gov/water_issues/programs/cwa401/generalorders.html#yr_2023)).

The Project must proceed in accordance with the requirements contained in this NOA and the General Order. The Project is described in the Notice of Intent requesting coverage and supplemental information (Application Package) submitted by the Enrollee and is limited to the impacts identified in the Application Package and described in this NOA. If the Project is modified from that described in the Application Package, then coverage under the General Order is no longer valid.

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MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

## **I. EMERGENCY WORK DESCRIPTION**

The project includes placement of a 35-foot-long arch culvert within the damaged portion of the existing 96-inch culvert crossing under the railroad spur used for shipping and receiving materials at the Knauf Fiberglass facility. The arch culvert will be 55 inches tall and 73 inches wide. Steel plates will be welded between the sides of the inserted arch culvert and the damaged culvert and concrete will be poured to fill in the eroded area beneath the bottom of a 52.5-foot section of the existing culvert. Rock will be placed within the scour upstream of the culvert inlet to prevent water from flowing beneath the culvert.

Newtown Creek will be dewatered during repair activities using a temporary dam constructed of hay bales and covered with visqueen. Water upstream of the dam will be pumped through the work area using a 6-inch pump and hose until repairs are complete. Geotextile fabric will be placed within the creek bed at the location of the temporary dams to mark the existing bottom elevation of the creek. The temporary dam will be installed and removed by hand. Water will be pumped downstream using a pump and hose. Following work, the temporary dam will be removed.

The work area will be accessed using the existing Knauf Fiberglass emergency evacuation road and existing railroad access road. Removal of the riparian vegetation will be required to access the culvert inlet. Approximately 0.1 acre of vegetation including willow, small cottonwood trees and blackberry will be removed. One mature cottonwood is within this area but will remain undisturbed. The access area will be rocked where needed. Equipment operation will occur outside of the limits of Newtown Creek to the maximum extent feasible.

Temporary impacts within Water of the United States will include diversion of water within Newtown Creek during the duration of construction, installation of the temporary dam, and rocking and use of the existing railroad access road that crosses a section of Newtown Creek upstream of the work area. Permanent impacts include installation and grouting of the arch culvert within the failing portion of culvert.

## **II. DESCRIPTION OF DIRECT IMPACTS TO WATERS OF THE STATE**

Total Project impacts are summarized in Tables 1 and 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition.

**Table 1: Total Project Fill/Excavation Quantity for Temporary Impacts<sup>1</sup>**

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.04	6	194

**Table 2: Total Project Fill/Excavation Quantity for Permanent Physical Loss of Area Impacts**

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.02	41	97.5

**III. COMPENSATORY MITIGATION**

Compensatory mitigation is required for permanent physical loss and permanent ecological degradation of a water of the state. The Enrollee is required to provide compensatory mitigation for the authorized impact to 0.02 acre of stream channel by purchasing 0.02 acre of stream channel credits from a U.S. Army Corps of Engineers approved mitigation bank or 0.02 Aquatic Resource Credit from the National Fish and Wildlife Foundation’s Sacramento District California In-Lieu Fee Program. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Central Valley Water Board within 45 calendar days of completion of Project activities or with the Notice of Completion.

**IV. In-Water Work or Diversions:**

During planned in-water work, dewatering activities, or during the installation of removal of temporary water diversions, any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. Waters shall not contain oils, greases, waxes, or other materials in concentrations that cause nuisance, result in a visible film or coating on the surface of the water or on objects in the water, or otherwise adversely affect beneficial uses.
- b. Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
- c. Activities shall not cause turbidity increases in surface water to exceed:

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<sup>1</sup> Includes only temporary direct impacts to waters of the state and does not include area of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

- i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTU;
- ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
- iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
- iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs;
- v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior permission of the Central Valley Water Board Executive Officer.

Sampling during in-water work or during the entire duration of installation or removal of temporary water diversions shall be conducted in accordance with Table 3 sampling parameters.<sup>2</sup> The sampling requirements in Table 3 shall be conducted upstream out of the influence of the Project, and approximately 300 feet downstream of the work area.

The sampling frequency and/or monitoring locations may be modified for certain projects with written approval from Central Valley Water Board staff. An In-Water Work and Diversion Water Quality Monitoring Report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the data, the Permittee shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Order requirements. The report shall include surface water sampling results, visual

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<sup>2</sup> Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions.

If no sampling is required, the Permittee shall submit a written statement stating, "No sampling was required" within two weeks on initiation of in-water construction, and every two weeks thereafter.

**Table 3: Sample Type and Frequency Requirements**

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
pH	Standard Units	Grab	Every 4 hours
Turbidity	NTU	Grab	Every 4 hours
Visible construction related pollutants <sup>3</sup>	Observations	Visual Inspections	Continuous throughout the construction period

**V. REPORTING**

The Enrollee must notify the Central Valley Water Board no less than forty-eight (48) hours prior to initiating the emergency project.

A Notice of Completion (NOC) shall be submitted by the Enrollee within 45 calendar days of completion of Project activities. The NOC shall demonstrate that the work has been carried out in accordance with the description provided in the Enrollee’s Notice of Intent and must include a copy of the fully executed agreement for the purchase of mitigation credits.

Failure to comply with the terms and conditions of this NOA may expose the Enrollee to enforcement action pursuant to the Clean Water Act and California Water Code.

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<sup>3</sup> Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

**VI. CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD  
CONTACT:**

If you have any questions regarding this Notice of Applicability, please contact Jerred Ferguson at (530) 224-4748 or [Jerred.Ferguson@waterboards.ca.gov](mailto:Jerred.Ferguson@waterboards.ca.gov).

Original Signed by Clint Snyder, AEO

(for) Patrick Pulupa, Executive Officer  
Central Valley Regional Water Quality Control Board

12/19/2023

Date

JTF: db

Enclosure: State Water Resources Control Board's Clean Water Act Section 401  
General Water Quality Certification for Regional General Permit 8 for  
Emergency Repair and Protection Activities (Order WQ 2023-0061-  
DWQ)

cc via email: U.S. EPA, Region 9, San Francisco  
Water Quality Certification Program, SWRCB, Sacramento  
Christy Morgan, U.S. Army Corps of Engineers, Sacramento District  
Matthew Roberts, U.S. Army Corps of Engineers, Sacramento District  
Kate Blanchard, California Department of Fish & Wildlife, Region 1  
Kristine Cloward, VESTRA Resources, Inc., Redding

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Attachment A – Project Maps

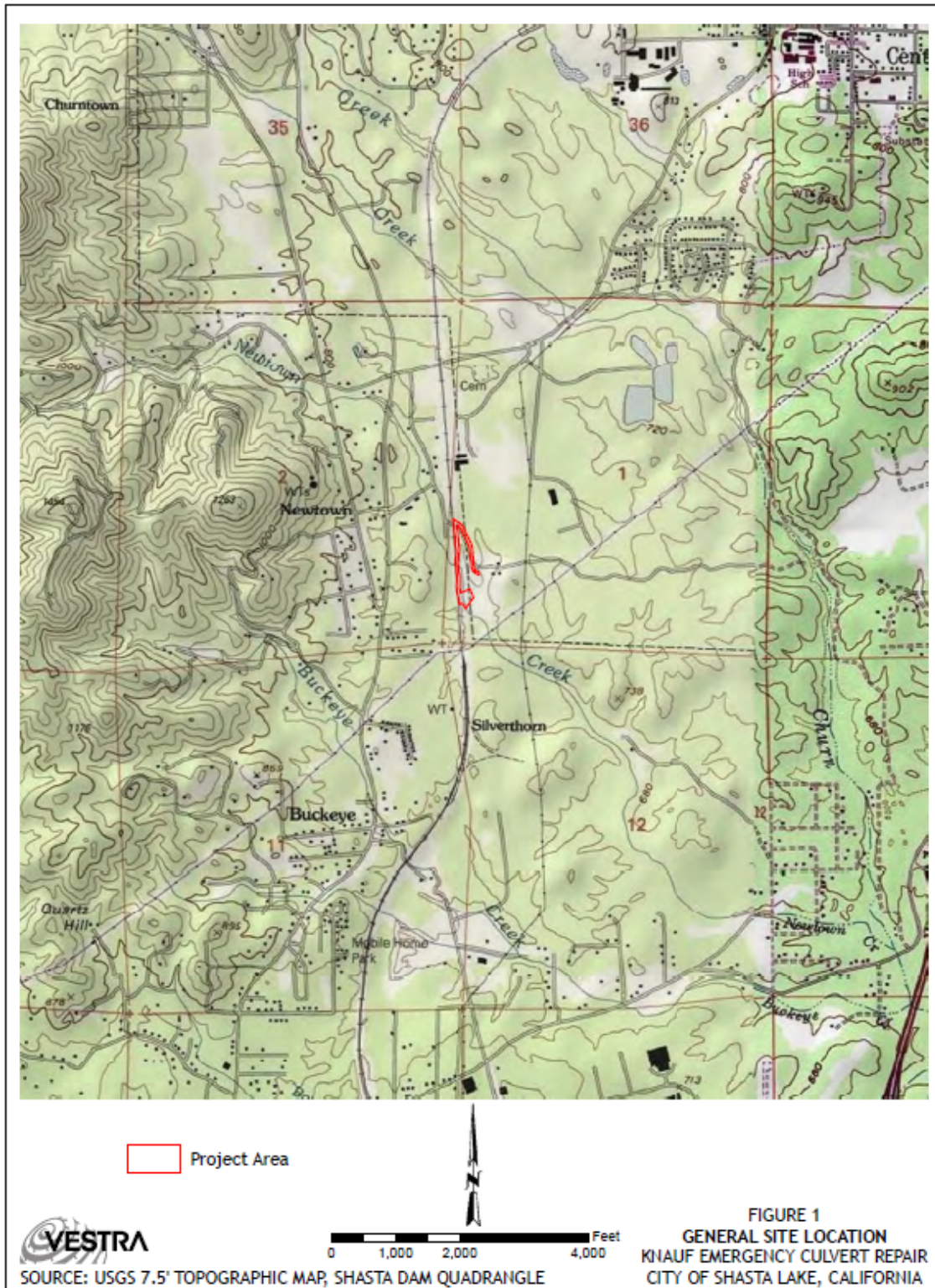


Figure 1: Project Location Map



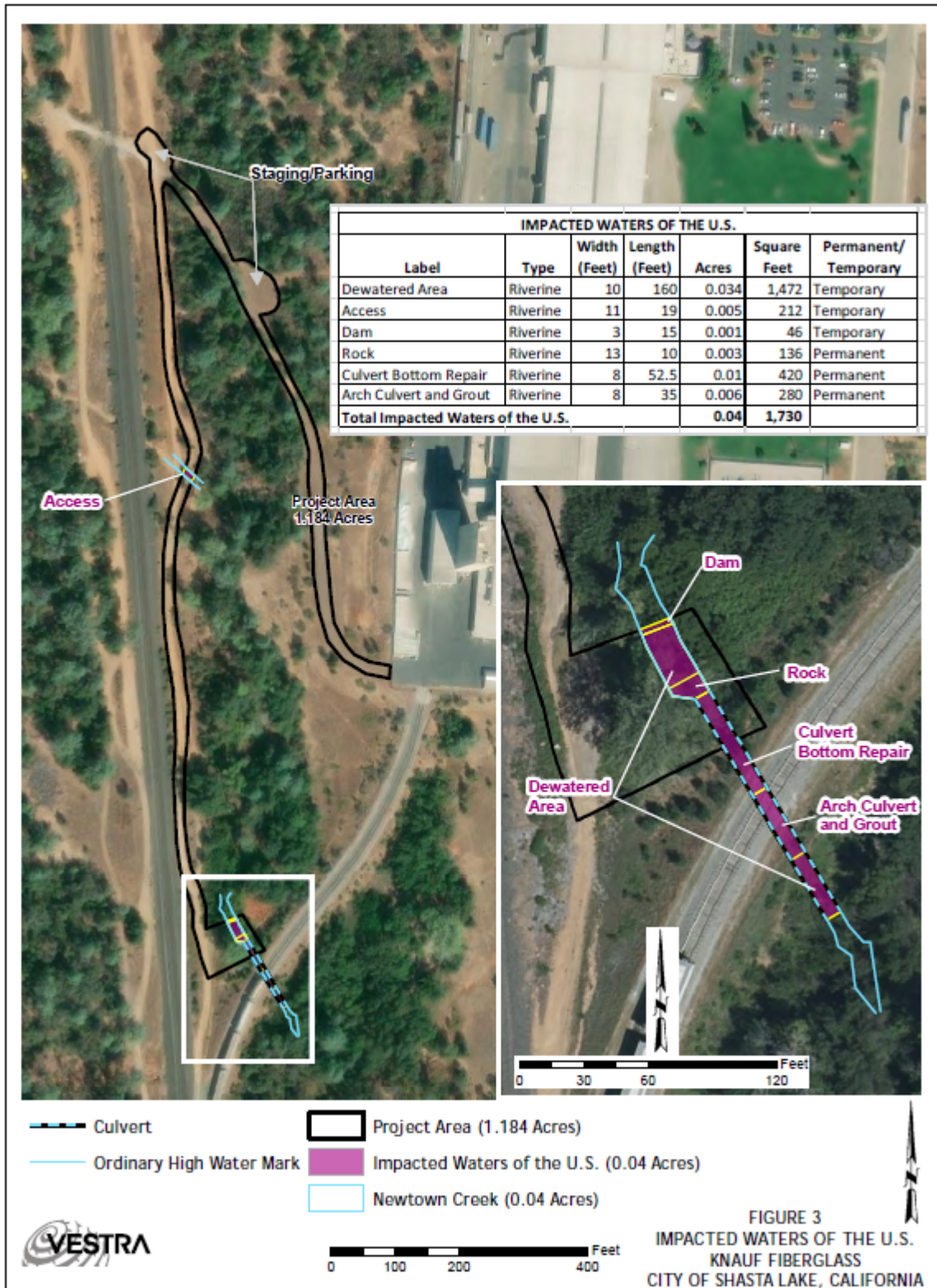


Figure 2. Project Impact Map.