



Linda S. Adams
Secretary for
Environmental Protection

**California Regional Water Quality Control Board
North Coast Region
Geoffrey M. Hales, Chairman**

www.waterboards.ca.gov/northcoast
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135



Arnold
Schwarzenegger
Governor

April 14, 2010

Ms. Allison Bremner
1455 Market Street, 15th Floor
San Francisco, CA 94103

Dear Ms. Bremner:

Subject: Amendment to the Clean Water Act Section 401 Certification (Water Quality Certification) Order for US Army Corps of Engineers Warm Springs Dam/Lake Sonoma Outlet Channel Erosion Repair Project, Sonoma County, California

File: US Army Corps of Engineers Warm Springs Dam/Lake Sonoma Outlet Channel Erosion Repair Project
WDID No. 1B08104WNSO

On October 16, 2009, Ms. Allison Bremner of the US Army Corps of Engineers submitted a Request for an Amendment to the existing Clean Water Act Section 401 Water Quality Certification (Order), issued on June 26, 2008, for the US Army Corps of Engineers Warm Springs Dam/Lake Sonoma Outlet Channel Erosion Repair Project. This Amendment request is based on a need to repair/install an additional 730 cubic yards of riprap to an area previously covered with riprap that has been eroded due to storm flows. This amendment adds a temporary crossing to the project to allow for safe operation of the equipment used to place the riprap.

This Amendment authorizes the following:

- 1. The placement of a temporary culvert/crossing of the outlet channel in order to place 730 cubic yards of 27-inch riprap to channel erosion on an area previously covered with riprap. The culvert and gravel pad will enable the equipment placing the riprap to cross the channel and operate from the toe of slope along the repair area in a safe manner. The culvert/crossing consists of two 48-inch diameter culverts, with a length of 20 feet, embedded within approximately 100 cubic yards of clean washed gravel. The culvert and gravel pad will enable the equipment placing the riprap to cross the channel and operate from the toe of slope along the repair area in a safe manner. After placement of the riprap is**

California Environmental Protection Agency

Recycled Paper

completed, the temporary culverts will be removed. The gravel used for the culvert/crossing will remain in the channel and will be contoured within the channel to eliminate any areas of possible fish entrapment or roiled water.

- 2. The placement of approximately 730 cubic yards of clean-washed 27-inch riprap to the repair area, located on the right bank of the outlet channel, immediately upstream of the Dry Creek Road bridge.**
- 3. Applicant shall comply with NOAA Fisheries Service's recommendations and requirements.**
- 4. Work within the channel will be conducted between June 15th and October 15th, or per NOAA Fisheries requirements.**

I hereby issue an amendment to the Clean Water Act Section 401 Certification Order for US Army Corps of Engineers Warm Springs Dam/Lake Sonoma Outlet Channel Erosion Repair Project (WDID No. 1B08104WNSO) certifying that the remainder of the Water Quality Certification section of the Order is still valid. If you have any questions or comments, please contact Stephen Bargsten of my staff at (707) 576-2653.

Sincerely,

Catherine Kuhlman
Executive Officer

100414_SKB_USACE_WarmspringsDam_OutletChannelRepair_401Amendment

cc: Mr. Bill Orme, SWRCB, 401 Program Manager, Clean Water Act Section
401Certification and Wetlands Unit Program
Ms. Kim Niemeyer, SWRCB, Office of the Chief Counsel
Ms. Jane Hicks, U.S. Army Corps of Engineers, Regulatory Functions,
1455 Market Street, San Francisco, CA 94103-1398
Mr. Richard Fitzgerald, California Department of Fish and Game, P.O. Box 47,
Yountville, CA 94599