



# California Regional Water Quality Control Board

## Colorado River Basin Region



Linda S. Adams  
Secretary for  
Environmental Protection

73-720 Fred Waring Drive, Suite 100, Palm Desert, California 92260  
(760) 346-7491 • Fax (760) 341-6820  
<http://www.waterboards.ca.gov/coloradoriver>

Arnold Schwarzenegger  
Governor

December 10, 2010

Michael Farmer  
TRC  
10680 White Rock Road, Suite 100  
Rancho Cordova, CA 95670

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

**PROJECT:** 2011 BNSF Bridge Replacement Project at Mile Post 568.1

**APPLICANT:** Burlington Northern Santa Fe Railway

- 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.

*California Environmental Protection 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 Regional Water Quality Control Board (Regional 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 Regional 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 Regional 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 as described in the 401 application received by the Regional Water Board on October 26, 2010. The Applicant shall provide the Regional Water Board and other interested agencies with written notification of any significant modifications made to the project prior to implementation of the modifications.
2. 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.
3. 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.
4. 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.
5. The Applicant shall grant Regional 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.

6. The proposed projects 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.
7. The area of vegetation and soil disturbance shall be restricted to the smallest extent possible.
8. Projects shall not discharge substances in concentrations toxic to human, plant, animal, or aquatic life or that produce detrimental physiological responses.
9. Projects shall not discharge waste classified as "hazardous" as defined in Title 22 CCR section 66261 and the California Water Code section 13173.
10. 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.
11. 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.
12. Equipment refueling shall not occur within waters of the United States.
13. Any oil or grease leaks shall be immediately cleaned up.
14. 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.
15. Staging/storage areas for equipment and materials shall be located outside of waters of the United States.
16. 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.
17. 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.
18. The Applicant shall restore drainages, to the greatest extent possible, to the original bank configuration, stream bottom width, and channel gradient.



19. All temporary facilities and impacts shall be removed and restored to the preexisting conditions and contours to the extent practicable.
20. Construction related materials and wastes shall be removed from the project site upon completion of the project.
21. The Applicant shall submit Notice to the Regional 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.
22. The Regional 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 Regional Water Board determines that the project fails to comply with any of the terms or conditions of this WQC.
23. The Applicant shall orally notify the Regional 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:**

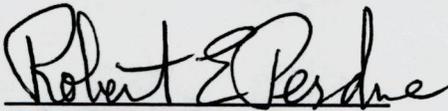
If you have any questions, please contact Jay Mirpour, Water Resources Control Engineer, at (760) 776-8981 or [jmirpour@waterboards.ca.gov](mailto:jmirpour@waterboards.ca.gov).



**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 Regional Water Quality Control Board's Water Quality Control Plan (Basin Plan).



ROBERT PERDUE  
Executive Officer

JJM/

cc:

Marjorie Blaine, Tucson Field Office, U.S. Army Corps of Engineers  
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: 401 Certification for the Burlington Northern Santa Fe Railway, 2011 BNSF Bridge Replacement Project at Mile Post 568.1, WDID No. 7B363025001



Mailing List:

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Thomas A. Vandenberg (\*)  
Staff Counsel  
Office of Chief Counsel  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95814

Note: (\*) will e-mail electronic copy

**PROJECT INFORMATION**

***California Environmental Protection Agency***



Recycled Paper

**Application Date:**

Received on October 26, 2010

**Applicant:**

Burlington Northern Santa Fe Railway  
Contact: Christopher Obmann, 909-386-4724

**Applicant Representative:**

TRC

Michael Farmer, 916-366-0632

**Project Name:**

2011 BNSF Bridge Replacement Project at Mile Post 568.1, WDID No. 7B363025001

**Project Start and Completion:**

Start: 1/01/2011, completion: 10/30/2011

**Project Description (purpose/goal):**

The purpose of the project is to replace an outdated bridge with a new bridge to ensure long term structural stability and safe usage. The bridge is elevated roughly 25 feet above the desert wash and built with wood pilings, wood cross bracing, and wood decks, which are all at the end of their structural life. The existing bridge is over 70 years old and service interruptions and safety hazards currently exist due to the type and age of the bridge materials. The new bridge structures and supports will be made out of steel and the new decks will be pre-cast concrete. The finished bridge will be structurally sound for many years of continued service and require very little maintenance.

**Project Location:**

South of Needles, west of Park Moabi, San Bernardino County, CA  
Longitude/Latitude 34.72605°N/114.52278°W, Township/Range 7 North/23 East

**Receiving Water(s):**

Unnamed desert wash tributary to the Colorado River

**Fill/Excavation Area (acres):**

0.05 acre of unvegetated streambed will be impacted. Between 18-24 steel pilings (H beams) will be driven into jurisdictional waters. Roughly 10-15 cubic yards of concrete will be used to line the wash banks for erosion control.

**Dredge Volume (cy):**

N/A - the existing concrete lining along the wash bed will be removed from the surface and the existing wood pilings will be pulled out of the ground. These materials will be exported and disposed of offsite.



**Mitigation:**

N/A

**Best Management Practices:**

1. The proposed maintenance will not result in any net loss of wetland vegetation.
2. Spill prevention measures will be employed to prevent spills into the water or onto soil.
3. All excavated material will be placed in an upland area, away from the river to prevent discharge of waters of the US.
4. The proposed project will not cause pollution, contamination, or a nuisance.
5. The proposed project will not degrade water quality or beneficial uses.
6. The proposed project will not discharge any hazardous, designated, or toxic materials.
7. Land based equipment shall be in good condition with no fuel leaks.
8. Equipment will not be stored/park where contaminated water or accidental fuel or chemical leaks can drain into the river channel.
9. Materials to absorb small toxic material spills will be present on site for the duration of this project.

**Federal Permit(s):**

U.S. Army Corps of Engineers section 404 Permit Nationwide Permit Numbers 3 - Maintenance (pending).

**Status of CEQA:**

The project involves the replacement of an old railroad bridge with a new railroad bridge of the same size, footprint, purpose and capacity. The Regional Water Board determined that the proposed project is categorically exempt from CEQA per CEQA Guidelines Title 19 - Categorical Exemption, Section 15302 (Replacement or Reconstruction), Class 2 (b).

Class 2 consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to:

(b) Replacement of a commercial structure with a new structure of substantially the same size, purpose, and capacity.

In accordance with CEQA Guidelines Section 15062, the Regional Water Board shall file a Notice of Exemption with the Office of Planning and Research upon approval of the CWA Section 401 WQC.

**Reference No.:** 401 Certification for the Burlington Northern Santa Fe Railway, 2011 BNSF Bridge Replacement Project at Mile Post 568.1, WDID No. 7B363025001



NOTICE OF EXEMPTION

To:  
Office of Planning and Research  
1400 Tenth Street  
Sacramento, CA 95814

From:  
California Regional Water Quality Control Board  
Colorado River Basin Region (Region 7)  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

Project Title: Burlington Northern Santa Fe Railway, 2011 BNSF Bridge Replacement Project at Mile Post 568.1

Project Description (purpose/goal):

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Project Location (City and County):

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Longitude/Latitude 34.72605°N/114.52278°W, Township/Range 7 North/23 East

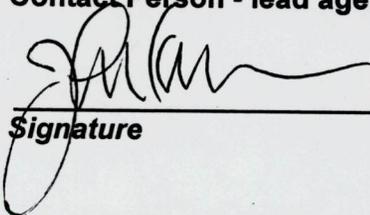
Name of Public Agency Approving Project: California Regional Water Quality Control Board, Colorado River Basin Region

Name of Agency Carrying Out Project: Burlington Northern Santa Fe Railway

Exempt Status (CEQA Guidelines Section and Class): The Regional Water Board determined that the proposed project is categorically exempt from CEQA per CEQA Guidelines §15302, Class 2 (b) (Replacement or Reconstruction).

Reasons Why Project is Exempt: This project consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.

Contact Person - lead agency: John Carmona, Senior WRCE Phone: (760) 340-4521



12/10/10  
Date

Senior Water Resources Control Engineer  
Title

Date received for filing at OPR: \_\_\_\_\_

