
Colorado River Basin Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: April 2, 2018	Reg. Meas. ID: 419318
Program Type: Fill/Excavation	Place ID: 844513
Project Type: Bridges, Overpasses and Crossings	WDID: 7B363040001
	USACOE#: NWP#3

Project: BNSF Bridge 574.5 Replacement Project

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If you have any questions, please call Colorado River Basin Regional Water Quality Control Board (Colorado River Basin Water Board) Staff listed above or (760) 346-7491 and ask to speak with the Water Quality Certification and Wetlands Unit Program Manager.

- Attachment A** Maps
- Attachment B** Receiving Waters, Impact, and Mitigation Information
- Attachment C** CEQA Findings of Facts
- Attachment D** Signatory Requirements
- Attachment E** Reporting Requirements

I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued by the California Regional Water Quality Control Board, Colorado River Basin Region (Colorado River Basin Water Board) at the request of BNSF Railway Company (Permittee or BNSF) for the BNSF Bridge 574.5 Replacement Project (Project). This Order is for the purpose described in application submitted by the Permittee. The application was received on January 19, 2018. The application was deemed complete on February 22, 2018.

II. Public Notice

The Colorado River Basin Water Board provided public notice (2-2-2018) of the application pursuant to California Code of Regulations, title 23, section 3858 from February 2, 2018 to February 23, 2018. The Colorado River Basin Water Board did not receive any comments during the comment period.

III. Project Purpose

The purpose of the Project is to repair an existing railroad bridge, known as BNSF Bridge 574.5, which spans a desert dry wash channel near the Colorado River. BNSF Bridge 574.5 is in disrepair and needs to be repaired in order to restore the rail crossing to optimal functioning. Project activities will extend the useful life of this rail crossing and aid against future damage by flash flood waters.

IV. Project Description

The proposed Project involves the replacement and reconstruction of existing bridge support structures that occupy the northbound railway. Project activities will include use of heavy equipment for removal of existing bridge material and the replacement of bridge piles with fewer than currently exist on site. About half of the existing wooden bridge piles will be replaced with steel H piles on the northbound track in their original location. The Project will not change the size, general footprint, purpose or capacity of the existing bridge. Best management practices (BMPs) will be used that are appropriate for this type of project activity and the streambed will be returned to its pre-project condition.

V. Project Location

The Project is located in an area near Needles, San Bernardino County, California. T18N R22W and T16N R22W (latitude 34° 47' 58.62" N; longitude 114° 34' 32.13" W). Maps showing the Project location is found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Colorado River Basin Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/.

The Basin Plan was prepared by the Colorado River Basin Water Board, in accordance with criteria contained in the California Porter-Cologne Water Quality Control Act, the Federal Clean Water Act, and other pertinent state and federal rules and regulations. It includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal anti-degradation policies.

Project impact and receiving waters information can be found in Attachment B. The Colorado River is the receiving water through its tributary.

Table 1 of Attachment B shows the receiving waters and beneficial uses of waters of the United States impacted by the Project. Individual impact location and quantity is shown in Table 2 of Attachment B.

VII. Description of Direct Impacts to Waters of the U.S.

BNSF will remove 14 spans of existing timber piles (6 piles per span) and replace them with 7 spans of steel H-piles (6 piles per span), resulting in a net 0.001-acre removal of fill to waters of the U.S. The existing timber piles are approximately the same diameter as the new steel H-piles, which are capable of supporting the bridge with fewer piles, thus affecting a lesser impact upon project completion.

Total Project fill/excavation quantities for all impacts are summarized in Table 1. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 1: Total Project Fill/Excavation Quantity									
Aquatic Resource Type	Temporary Impact¹			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	CY²	LF	Acres	CY	LF	Acres	CY	LF
Lake									
Ocean/bay/estuary									
Riparian Zone									
Stream Channel	0.014		30	0.001			N/A		
Vernal Pool									
Wetland									

VIII. Avoidance and Minimization

All of the Project activities involving in-channel work will be conducted during the dry season or periods of no-flow. No construction activities shall be conducted within the jurisdictional waters during a rainfall event. If rain is predicted after operations have begun, construction activities shall cease immediately and the site shall be stabilized, if necessary, to prevent impacts to water quality, and to minimize erosion and runoff from the site

All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving waters.

¹ Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

² Cubic Yards (CY); Linear Feet (LF)

All diversion activities shall be designed to minimize the impacts to jurisdictional waters and to maintain natural flows upstream and downstream. All diversion structures shall be installed in a manner that does not cause sedimentation, siltation, or erosion upstream or downstream. All diversion structures shall be removed immediately upon completion of Project activities.

Best Management Practices (BMPs) summarized in Table 2 for erosion, sediment, turbidity, and pollutant control shall be implemented and in place at commencement of, during, and after any ground clearing activities, construction activities, or any other Project activities that could result in erosion, sediment, or other pollutant discharges to jurisdictional waters.

Table 2 BMPs

Type of BMP	BMP	Application
Construction BMPs	Erosion control	Implement erosion control BMPs to mitigate soil erosion, minimize soil loss from wind erosion, and to reduce air pollution during construction activities for all disturbed areas. Examples: mulch, straw, wood chips, soil application, lot perimeter protection per county standards, bonded fiber matrix or stabilized fiber matrix, physical stabilization erosion control blanket.
	Velocity reduction	Implement velocity reduction BMPs to reduce water/runoff velocity. Examples: energy dissipater outlet protection.
	Sediment control	Implement sediment control BMPs to remove sediment loads from runoff generated within the construction site for all disturbed areas. Examples: silt fence, fiber rolls, gravel bags, dewatering filtration.
	Off-site sediment tracking control	Implement off-site sediment tracking control BMPs for reducing the transport of sediment on tires off, and within, construction site. Examples: stabilized construction entrance, construction road stabilization, entrance/exit tire wash, entrance/exit inspection and cleaning facility.
	General site and materials management	Implement general site and materials management BMPs for materials and waste management. Examples: material delivery and storage management, spill prevention and control, concrete waste management, solid waste management, sanitary waste management, hazardous waste management.
Low Impact Development	Conservation of natural drainages	Implement LID BMPs to conserve natural drainages. Examples: minimize disturbances of natural areas, construct in least environmentally sensitive areas.
	Minimize disturbances to natural drainages	Implement LID BMPs to minimize disturbances to natural drainages. Examples: avoid disturbing natural swales and topographic depressions, construction setback from creeks.
	Minimize impervious surfaces	Implement LID BMPs to reduce impervious surfaces through efficient site design. Examples: preserve existing vegetation, permeable roads with minimum widths.

Table 2 BMPs

Type of BMP	BMP	Application
	Minimize soil compaction	Implement LID BMPs to minimize soil compaction. Examples: protect native soil and vegetation from construction equipment.
	Drain runoff from impervious surfaces to pervious areas	Implement LID BMPs to drain runoff from impervious surfaces to pervious areas.
	Hydrologic design	Implement LID BMPs for optimizing hydrologic design. Examples: infiltration tranches or basins, depression areas for infiltration, bio-filters such as vegetated or rock swales.
	Permeable pavement design	Implement LID BMPs using permeable pavement design. Examples: pervious concrete, permeable asphalt concrete/pavers, granular material.
	LID road design	Implement LID BMPs for road design. Examples: permeable roads, reduction of overall road coverage, direct runoff to vegetated swales.
Post-Construction BMPs	Protection of channel banks/manufactured slopes	Implement channel protection BMPs to protect banks of the channels as well as the slopes.
	Outlet protection	Implement outlet protection BMPs to reduce discharge/water velocity. Examples: energy dissipater outlet protection, velocity dissipation devices.

BMPs will be regularly monitored following installation, and if any BMP is determined to be underperforming, an assessment will be made for correcting performance deficiencies. The property owner or the responsible party is responsible for scheduling and conducting maintenance of BMPs.

Installation of Construction Boundary Limits

Construction activity limits will be demarcated using laths and construction fencing, which will be installed by construction personnel under supervision of a biological monitor. Construction personnel will strictly limit their activities, vehicles, equipment, and construction materials to the project footprint and designated staging areas and routes of travel. The construction area(s) will be the minimal area necessary to complete the proposed project and will be specified in the construction plans. Construction limits (laths and fencing) will be maintained by construction personnel. Construction personnel will be instructed that their activities are restricted to construction areas. All fencing, in addition to other temporary project material will be removed within five days of the completion of construction activities.

IX. Compensatory Mitigation

No compensatory mitigation was required for permanent impacts because impacts are minimal. Temporary impacts occur in an unvegetated location of the wash. The 0.014 acres of temporary impacts will be removed upon completion of the Project when the stream bed is returned to its pre-construction conditions.

X. California Environmental Quality Act (CEQA)

The Colorado River Basin Water Board has determined that the Project is exempt from review under CEQA pursuant to California Code of Regulations, title 14, section 15061. Findings of Facts to support the issuance of this Order are included in Attachment C.

The Project involves the repair and replacement of bridge support structures on an existing railroad bridge, and will not alter the size, general footprint, purpose or capacity of the existing bridge. The Colorado River Basin Water Board determined that the proposed project is categorically exempt from CEQA under title 14, section 15302 (Class 2 - Replacement or Reconstruction) of the California Code of Regulations.

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.

The exemption found in California Code of regulations, title 14, section 15301 (Existing Facilities) also exempts this Project from CEQA. Additionally, the Colorado River Basin Water Board concludes that no exceptions to the CEQA exemptions listed above apply to the activities approved by this Order.

The Colorado River Basin Water Board shall file a Notice of Exemption with the State Clearinghouse within five (5) working days from the issuance of this Order. (Cal. Code Regs., tit. 14, § 15062.)

XI. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XII. Fees Received

An application fee of \$720 was received on January 9, 2018. The total fee amount of \$1,500 was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as Category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

An additional fee of \$780 was received on February 22, 2018

XIII. Conditions

The Colorado River Basin Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

1. Impacts to waters of the U.S. shall not exceed quantities shown in Table 1.

2. Work shall be performed under “no flow” conditions in the washes to preclude potential impacts to water quality.
3. Permittee shall develop and implement a Stormwater Pollution Prevention Plan (SWPPP) in compliance with the State Water Resources Control Board Construction General Permit (Order No. 2009-0009-DWQ; NPDES No. CAS000002).
4. Permittee shall implement the BMPs described under Section VIII, Avoidance and Minimization.
5. Discharges of pollutants associated with construction-related storm water runoff are subject to National Pollutant Discharge Elimination System permitting under CWA Section 402. The discharger must file a Notice of Intent with the State Water Resources Control Board to obtain coverage under the Construction General Permit.
6. The Order (Certification) for the proposed Project shall expire upon a) the expiration or retraction of the CWA section 404 (33 USC Title 33, section 1344) permit issued by the USACE, or b) five (5) years from the date of issuance of this Order, whichever occurs first.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment AA, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment E, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

- a. **Monthly Reporting:** The Permittee must submit a Monthly Report to the Colorado River Basin Water Board on the 15th day of each month for duration of the construction phase (approximately 150 working days). Monthly reporting shall continue until the Colorado River Basin Water Board issues a Notice of Project Complete Letter to the Permittee.
- b. **Annual Reporting:** The Permittee must submit an Annual Report including activities conducted for the previous fiscal year (July 1 – June 30) to the Colorado River Basin Water Board on the 1st of September. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee by the Colorado River Basin Water Board.
- c. **Other Reporting:** If pollutants are observed in surface water, the Permittee shall submit a report to the Colorado River Basin Water Board within 30-days after encountering the pollutants and describe actions taken to correct the problem and provide photographic documentation that supports the information in the report.

If repairs are required, the Permittee shall take pictures of the area where work needs to take place documenting the before and after conditions of the area; and shall maintain a daily log, for each site where work is taking place pursuant to this Order, while the Permittee conducts its repair activities. The log shall:

- Provide a general description of the repair work;
- Specify the date and daily starting and ending time for the repair work;
- Note key weather conditions (e.g., temperature, wind speed and direction, precipitation if any);
- Include notes from visual observations regarding the presence/absence of construction debris/trash (e.g., discarded filter fiber) and used oil (e.g., oil that leaks from construction equipment) in the area where the work is taken place.

Within 30 days following completion of all repair work, the Permittee shall submit to the Colorado River Basin Water Board a summary report of the key daily log entries. The summary report shall include the above-mentioned before and after pictures of the conditions of the area and shall be signed by the Permittee's Project Manager.

2. Project Status Notifications

- a. Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.
- b. Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Colorado River Basin Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Colorado River Basin Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.
- c. Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,³ and no further Project activities will occur. This request shall be submitted to Colorado River Basin Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Colorado River Basin Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. Conditional Notifications and Reports: The following notifications and reports are required as appropriate.

³ Completion of post-construction monitoring shall be determined by Colorado River Basin Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

a. Accidental Discharges of Hazardous Materials⁴

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
 - first call – 911 (to notify local response agency)
 - then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
 - Lastly follow the required OES procedures as set forth in:
[http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill%20Booklet%20Feb2014%20FINAL%20BW%20Acc.pdf)
- ii. Following notification to OES, the Permittee shall notify Colorado River Basin Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- iii. Within five (5) working days of notification to the Colorado River Basin Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Colorado River Basin Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

- i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
- ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work

- i. The Permittee shall notify the Colorado River Basin Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

⁴ "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

- ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Colorado River Basin Water Board staff.

d. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Colorado River Basin Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Colorado River Basin Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

e. Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after notice to the Colorado River Basin Water Board in accordance with the following terms:

- i. The Permittee must notify the Colorado River Basin Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Colorado River Basin Water Board at least 10 days prior to the transfer of ownership
- ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

f. Transfer of Long-Term BMP Maintenance: If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the Colorado River Basin Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the Colorado River Basin Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

The Applicant shall submit a Report to the Colorado River Basin Water Board within 30-days after encountering the pollutants and describe actions taken to correct the problem and provide photographic documentation that supports the information in the report.

2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard,

Colorado River Basin Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

- 3. In-Water Work or Diversions:** For projects involving planned work in water or stream diversions, a water quality monitoring plan shall be submitted to Colorado River Basin Water Board staff for acceptance at least 30 days in advance of any discharge to the affected water body. Water quality monitoring shall be conducted in accordance with the approved plan.

Sampling shall be conducted in accordance with Table 3 sampling parameters.⁵

Table 3: Sample Type and Frequency Requirements			
Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Every 4 hours
pH	Standard Units	Grab	Every 4 hours
Turbidity	NTU	Grab	Every 4 hours
Temperature	°F (or as °C)	Grab	Every 4 hours

- 4. Post-Construction:** The Permittee shall visually inspect the Project site during the rainy season for five (5) years to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, the Permittee shall contact the Colorado River Basin Water Board staff member overseeing the Project within three (3) working days. The Colorado River Basin Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, article 6 commencing with sections 3867-3869, inclusive. Additionally, the Colorado River Basin Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Colorado River Basin Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313).

⁵ 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 Colorado River Basin 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.

2. This Order is not intended and shall not be construed to apply to 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 subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
4. 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 state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, 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.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Colorado River Basin Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
3. In response to a suspected violation of any condition of this Order, the Colorado River Basin Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide 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. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.

6. Construction General Permit Requirement: The Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002).
7. The Permittee shall submit to the Colorado River Basin Water Board a signed copy of the CDFWS's Lake and Streambed Alteration Agreement for the Project prior to any discharge of wastes to waters of the U.S./state.

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment D of this Order.
2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.
3. The Permittee shall grant Colorado River Basin Water Board staff or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
 - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
 - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
 - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
 - d. Sample or monitor for the purposes of assuring Order compliance.
4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

G. Construction

Good Site Management "Housekeeping"

1. Good site management “housekeeping”, erosion control, sediment control, and other construction-related activities are described in Section VIII.
2. A qualified biological monitor shall be on site during all ground disturbing activities (work area preparation, grading, clearing, grubbing, trenching, construction, and decommissioning activities) to prevent impacts to special-status species and other biological resources, as well as document and report any construction-related incidences.
3. After completing the activities, the disturbed area shall be restored to pre-existing contours and conditions to the extent feasible.

Hazardous Materials

4. No toxic and/or hazardous materials shall be stored near or within wash/drainage areas. To the extent practicable, these materials shall be stored offsite and placed in appropriate secondary containment.
5. Spoil sites shall not be located where spoil could be washed back into the stream channel or where spoil covers aquatic or riparian vegetation. Any materials placed in seasonally dry portions of the drainage areas that could be washed downstream or could be harmful to aquatic life shall be removed from the streambed prior to inundation by high flows.
6. No fueling or maintenance of equipment or vehicles shall occur adjacent or within the wash/drainage areas.

Post-Construction Storm Water Management

7. Work shall not be conducted during rain events.
8. Post-construction storm water management shall be protected through channel protection BMPs to protect the banks of the channels and slopes.

Roads

9. Work and staging areas and temporary access routes shall be sized, located and flagged to limit potential impacts to natural areas. Previous disturbed areas shall be used to the extent feasible.

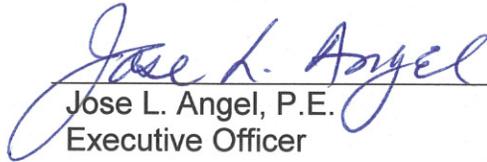
H. Mitigation for Temporary Impacts

The Permittee shall restore all areas of temporary impacts to waters of the U.S. and all Project site upland areas of temporary disturbance which could result in a discharge of waters of the U.S.

XIV. Water Quality Certification

I hereby issue the Order for BNSF Railway Company – BNSF Bridge 574.5 Replacement Project, 7B363040001 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act 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).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.



Jose L. Angel, P.E.
Executive Officer
Colorado River Basin
Water Quality Control Board



Date

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Figure 1: Regional Location

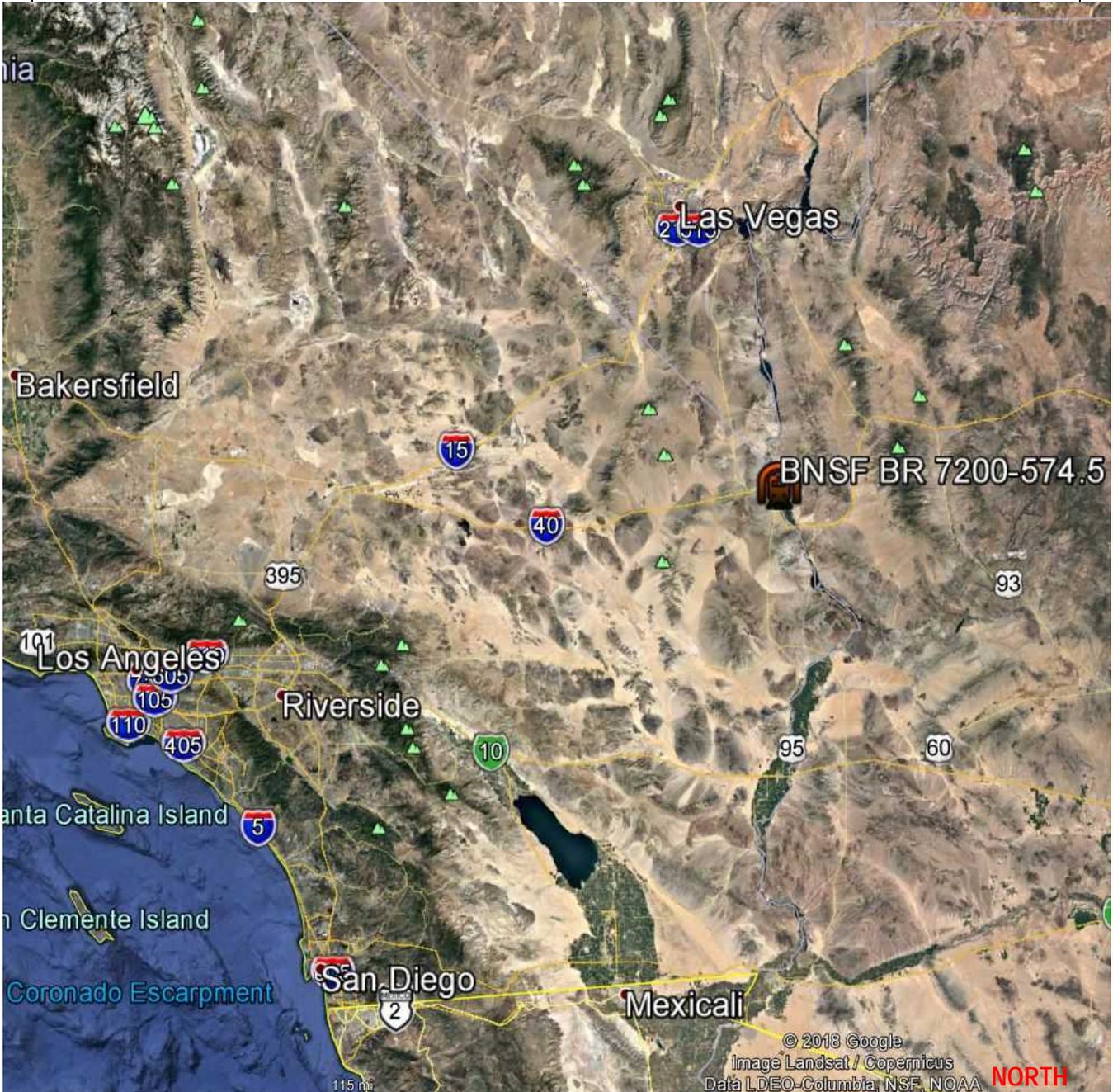
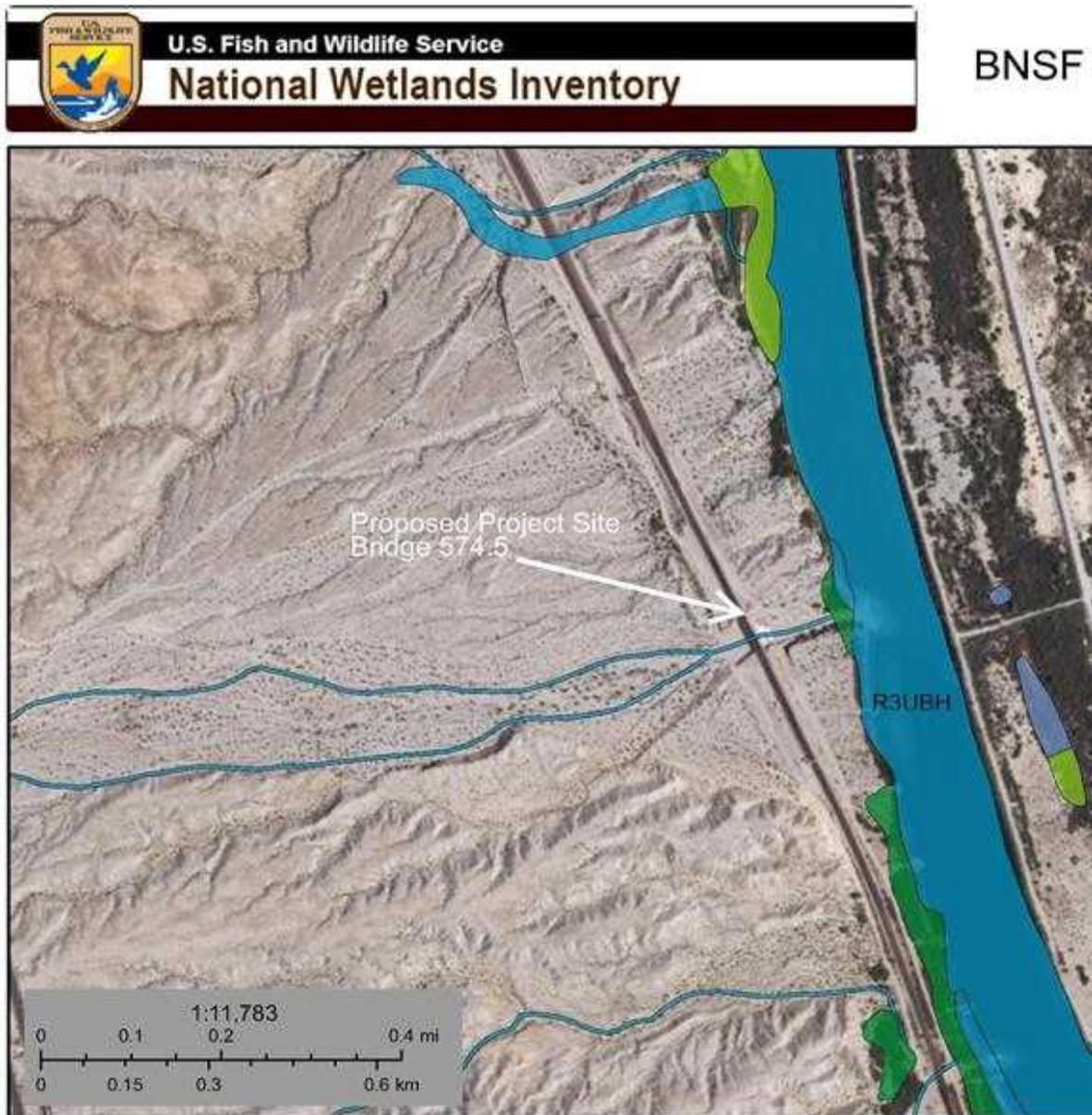


Figure 2: Project Site Location



Figure 3: Water Resources in the Project Area



September 26, 2017

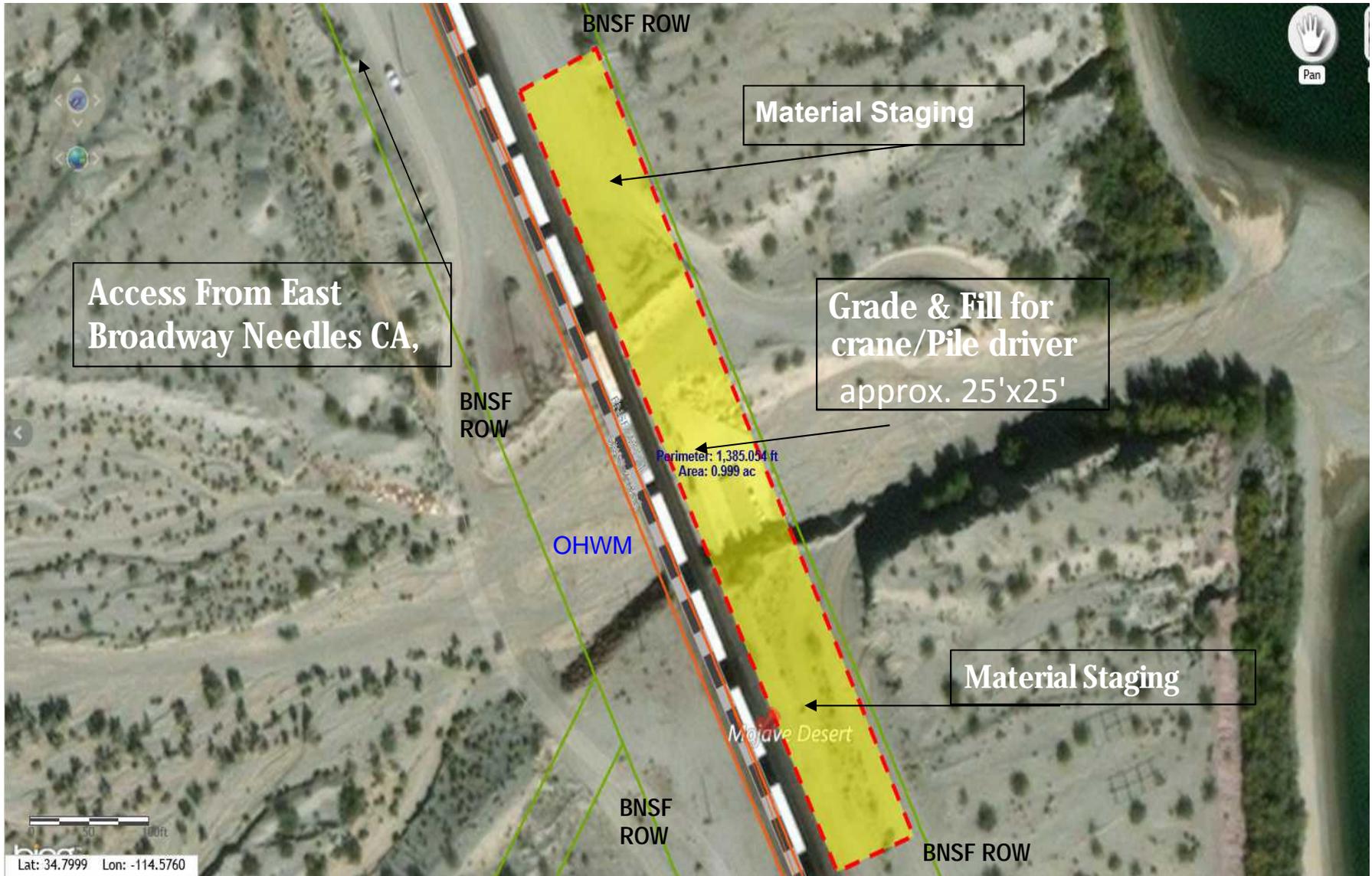
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

General Work Plan and OHWM



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Receiving Waters

The following table shows the receiving waters associated with each impact site.

Table 1: Receiving Water(s) Information								
Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID ¹
<input type="checkbox"/>		<i>Colorado River</i>	<i>Unvegetated tributary</i>		<i>Colorado River</i>	<i>MUN, AGR, AQUA, IND, GWR, RECI, RECI, WARM, COLD, WILD, POW, RARE</i>		

Individual Direct Impact Locations

The following table shows individual impact locations. Table 2: Individual Direct Impact Information											
Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation		Direct Impact Duration	Dredge			Fill/Excavation		
			Yes	No		Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Colorado River			<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary				0.014		
					Permanent				0.001		

¹ California Rapid Assessment Method (CRAM) score of impacted sites provided by the Permittee.

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A. Introduction

The Colorado River Basin Water Board has determined that the Project is exempt from review under CEQA pursuant to California Code of Regulations, title 14, section 15061.

Specifically, the issuance of this Order and the Project described herein meet the exemption criteria under California Code of Regulations, title 14, section 15302 (Replacement or Reconstruction). California Code of regulations, title 14, section 15301 (Existing Facilities) also exempts this Project from CEQA.

B. Findings

1. Applicable Categorical Exemptions

Under title 14, section 15302 (Replacement or Reconstruction) of the California Code of Regulations, there is a “Class 2” categorical exemption where the proposed 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, including but not limited to:...Replacement of a commercial structure with a new structure of substantially the same size, purpose, and capacity.”

Additionally, section 15301 (Existing Facilities) contains a CEQA exemption where the project “consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency’s determination.”

The Project consists of the repair and reconstruction of an existing railroad bridge, BNSF Bridge 574.5, which spans a desert dry wash channel near the Colorado River. BNSF will remove 14 spans of existing timber piles (6 piles per span) that support the bridge and replace them with 7 spans of steel H-piles (6 piles per span), resulting in a net 0.001-acre removal of fill to waters of the United States. The existing timber piles are approximately the same diameter as the new steel H-piles, which are capable of supporting the bridge with fewer piles, thus affecting a lesser impact upon Project completion. Notably, the repair and reconstruction will utilize the same rail alignment within the same BMSF right of way, and the proposed Project will not change the size, general footprint, purpose or capacity of the existing bridge.

2. No Exceptions to the Categorical Exemptions Apply

There is no substantial evidence that any exceptions to the CEQA categorical exemptions listed above apply. Analysis of the relevant exceptions pursuant to section 15300.2 of the State CEQA Guidelines are as follows:

- (a) *Cumulative Impact.* All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.

No significant cumulative impacts over time are anticipated. There are no known successive railroad reconstruction projects of the same type that will be conducted in the same place. Further, it is not anticipated that bridge reconstruction will provoke additional work in the nearby area or along the existing rail system. Additionally, the Project will not change the current use of the existing rail system or result in any increase in capacity.

- (b) *Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.*

There are no “unusual circumstances” that would create a reasonable possibility of significant environmental impacts. The rail system has been an existing use in the Project area for over 50 years, and the Project will not change the size, general footprint, purpose or capacity of the existing railroad bridge. All construction will be performed under “no flow” conditions in the washes to preclude potential impacts to water quality. Best management practices (BMPs) will be used that are appropriate for this type of project activity and the streambed will be returned to its pre-project condition.

- (c) *Scenic Highway. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially, designated as a state scenic highway.*

The Project involves the replacement of an existing bridge structure along an existing railway line. The Project will not result in any discernable visual change and will not impact any scenic resources.

- (d) *Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of Government Code.*

The Project site is located along an existing railway line and is not included on any list compiled pursuant to section 65962.5 of the Government Code.

- (e) *Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource.*

The proposed bridge reconstruction would not cause a substantial adverse change in the significance of a historical resource.

C. Determination

The issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations, title 14, section 15302 (Replacement or Reconstruction). The exemption found in California Code of regulations, title 14, section 15301 (Existing Facilities) also exempts this Project from CEQA.

The Colorado River Basin Water Board concludes that no exceptions to the CEQA exemptions listed above apply to the activities approved by this Order.

The Colorado River Basin Water Board shall file a Notice of Exemption with the State Clearinghouse within five (5) working days from the issuance of this Order. (Cal. Code Regs., tit. 14, § 15062.)

Attachment D
Signatory Requirements

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SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order
Shall Meet The Following Signatory Requirements:*

1. All applications, reports, or information submitted to the Colorado River Basin Water Quality Control Board (Colorado River Basin Water Board) must be signed and certified as follows:
 - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
 - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.
3. Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

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Copies of this Form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records. If you need to obtain a copy of the Cover Sheet you may download a copy of this Order as follows:

1. Go to: http://www.waterboards.ca.gov/water_issues/programs/cwa401/certifications.shtml
2. Find your Order in the table based on Applicant, Date, and Subject headers.

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
 - **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
 - **Part B (Project Status Notifications):** Used to notify the Colorado River Basin Water Board of the status of the Project schedule that may affect Project billing.
 - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
 - Submit signed Report and Notification Cover Sheet and required information via email to: RB7-coloradoriver@waterboards.ca.gov and cc: kai.dunn@waterboards.ca.gov
 - Include in the subject line of the email:
Subject: ATTN: Kai Dunn; Reg. Measure ID: 415782_Report

Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Colorado River Basin Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Colorado River Basin Water Board staff will review the request and send a Completion of Discharges

Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the Colorado River Basin Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Colorado River Basin Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Colorado River Basin Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
5. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. **Map Format Information:**

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles:** The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
- **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

REPORT AND NOTIFICATION COVER SHEET

Project:	BNSF Bridge 574.5 Replacement Project	WDID 7A133154001
Permittee:	BNSF Railway Company	
Reg. Meas. ID:	419318	Place ID: 844513
Order Effective Date:	Click here to enter a date	

Report Type Submitted

Part A – Project Reporting

- Report Type 1 Monthly Report
- Report Type 2 Annual Report

Part B - Project Status Notifications

- Report Type 3 Commencement of Construction
- Report Type 4 Request for Notice of Completion of Discharges Letter
- Report Type 5 Request for Notice of Project Complete Letter

Part C - Conditional Notifications and Reports

- Report Type 6 Accidental Discharge of Hazardous Material Report
- Report Type 7 Violation of Compliance with Water Quality Standards Report
- Report Type 8 In-Water Work/Diversions Water Quality Monitoring Report
- Report Type 9 Modifications to Project Report
- Report Type 10 Transfer of Property Ownership Report
- Report Type 11 Transfer of Long-Term BMP Maintenance Report

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

Print Name ¹

Affiliation and Job Title

Signature

Date

¹STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature

Date

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

Part A – Project Reporting

Report Type 1	Monthly Report
Report Purpose	Notifies Colorado River Basin Water Board staff of the Project status and environmental compliance activities on a monthly basis.
When to Submit	On [Date] until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	<ol style="list-style-type: none"> 1. Construction Summary Describe Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water Best Management Practices (BMPs¹). If construction has not started, provide estimated start date. 2. Event Summary Describe distinct Project activities and occurrences, including environmental monitoring, surveys, and inspections. 3. Photo Summary Provide photos of Project activities. For each photo, include a unique site identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions. 4. Compliance Summary <ol style="list-style-type: none"> a) List name and organization of environmental surveyors, monitors, and inspectors involved with monitoring environmental compliance for the reporting period. b) List associated monitoring reports for the reporting period. c) Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences. d) Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

¹ Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

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Report Type 2	Annual Report
Report Purpose	Notify the Colorado River Basin Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on [Date]. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	<p>The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.</p> <p><u>During the Active Discharge Period</u></p> <ul style="list-style-type: none"> • Topic 1: Construction Summary • Topic 2: Mitigation for Temporary Impacts Status • Topic 3: Compensatory Mitigation for Permanent Impacts Status <p><u>During the Post-Discharge Monitoring Period</u></p> <ul style="list-style-type: none"> • Topic 2: Mitigation for Temporary Impacts Status • Topic 3: Compensatory Mitigation for Permanent Impacts Status
Annual Report Topics (1-3)	
Annual Report Topic 1	Construction Summary
When to Submit	With the annual report during the Active Discharge Period.
Report Contents	<ol style="list-style-type: none"> 1. Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay. 2. Map showing general Project progress. 3. If applicable: <ol style="list-style-type: none"> a. Summary of Conditional Notification and Report Types 6 and 7 (Part C below). b. Summary of Certification Deviations. See Certification Deviation Attachment for further information.
Annual Report Topic 2	Mitigation for Temporary Impacts Status
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Attachment E

Report Contents	<ol style="list-style-type: none"> 1. Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state. 2. If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
Annual Report Topic 3	Compensatory Mitigation for Permanent Impacts Status
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	<p>*If not applicable report N/A.</p> <p>Part A. Permittee Responsible</p> <ol style="list-style-type: none"> 1. Planned date of initiation of compensatory mitigation site installation. 2. If installation is in progress, a map of what has been completed to date. 3. If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan. <p>Part B. Mitigation Bank or In-Lieu Fee</p> <ol style="list-style-type: none"> 1. Status or proof of purchase of credit types and quantities. 2. Include the name of bank/ILF Program and contact information. 3. If ILF, location of project and type if known.

Part B – Project Status Notifications

Report Type 3	Commencement of Construction
Report Purpose	Notify Colorado River Basin Water Board staff prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	<ol style="list-style-type: none"> 1. Date of commencement of construction. 2. Anticipated date when discharges to waters of the state will occur. 3. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

Report Type 4	Request for Notice of Completion of Discharges Letter
Report Purpose	Notify Colorado River Basin Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
When to Submit	Must be received by Colorado River Basin Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	<ol style="list-style-type: none"> 1. Status of storm water Notice of Termination(s), if applicable. 2. Status of post-construction storm water BMP installation. 3. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. 4. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable. 5. An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

Report Type 5	Request for Notice of Project Complete Letter
Report Purpose	Notify Colorado River Basin Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by Colorado River Basin Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	<p>Part A: Mitigation for Temporary Impacts</p> <ol style="list-style-type: none"> 1. A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state. 2. A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites.

	<p>Part B: Permittee Responsible Compensatory Mitigation</p> <ol style="list-style-type: none">3. A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.4. Status on the implementation of the long-term maintenance and management plan and funding of endowment.5. Pre- and post-photo documentation of all compensatory mitigation sites.6. Final maps of all compensatory mitigation areas (including buffers). <p>Part C: Post-Construction Storm Water BMPs</p> <ol style="list-style-type: none">7. Date of storm water Notice of Termination(s), if applicable.8. Report status and functionality of all post-construction BMPs.
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Part C – Conditional Notifications and Reports

Report Type 6	Accidental Discharge of Hazardous Material Report
Report Purpose	Notifies Colorado River Basin Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Colorado River Basin Water Board staff.
Report Contents	<ol style="list-style-type: none"> 1. The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. 2. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites. 3. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type 7	Violation of Compliance with Water Quality Standards Report
Report Purpose	Notifies Colorado River Basin Water Board staff that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Colorado River Basin Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Colorado River Basin Water Board staff.

Report Type 8	Modifications to Project Report
Report Purpose	Notifies Colorado River Basin Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.

Attachment E

Report Contents	A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee’s compliance with the Order.
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Report Type 9	Transfer of Property Ownership Report
Report Purpose	Notifies Colorado River Basin Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	<ol style="list-style-type: none"> 1. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: <ol style="list-style-type: none"> a. the Order’s requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and b. responsibility for compliance with any long-term BMP² maintenance plan requirements in this Order. 2. A statement that the Permittee has informed the purchaser to submit a written request to the Colorado River Basin Water Board to be named as the permittee in a revised order.

Report Type 10	Transfer of Long-Term BMP Maintenance Report
Report Purpose	Notifies Colorado River Basin Water Board staff of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

² Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

Notice of Exemption

Attachment F

To: Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

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

Project Title: BNSF Bridge 574.5 Replacement Project (WDID: 7B363040001)

Project Location – Specific: Near and within watercourses/waterbodies within the Colorado River Basin Regional Water Quality Control Board-jurisdictional boundaries that may be impacted by TransCanada’s replacement of an exposed section of natural gas pipeline.

Project Location - City: The Project is located in an area near Needles, San Bernardino County, California. T18N R22W and T16N R22W (latitude 34° 47’ 58.62” N; longitude 114° 34’ 32.13” W) within the Colorado River Basin Regional Water Quality Control Board-jurisdictional boundaries.

Project Location – County: San Bernardino County.

Description of Nature, Purpose, and Beneficiaries of Project: The purpose of the Project is to repair an existing railroad bridge, known as BNSF Bridge 574.5, which spans a desert dry wash channel near the Colorado River. BNSF Bridge 574.5 is in disrepair and needs to be repaired in order to restore the rail crossing to optimal functioning. Project activities will extend the useful life of this rail crossing and aid against future damage by flash flood waters. The proposed Project involves the replacement and reconstruction of existing bridge support structures that occupy the northbound railway. Project activities will include use of heavy equipment for removal of existing bridge material and the replacement of bridge piles with fewer than currently exist on site. About half of the existing wooden bridge piles will be replaced with steel H piles on the northbound track in their original location. The Project will not change the size, general footprint, purpose or capacity of the existing bridge. Best management practices (BMPs) will be used that are appropriate for this type of project activity and the streambed will be returned to its pre-project condition.

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

Name of Person or Agency Carrying Out Project: TransCanada

Exempt Status: (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269 (a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number: Class2, Existing Facilities, Section 15302
- Statutory Exemptions. California Code of Regulations, Title 14, Section §15282 (K) - the installation of new pipeline or maintenance, repair, restoration, removal, or demolition of an existing pipeline as set forth in Section 21080.21 of the Public Resources Code

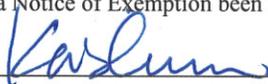
Reasons why project is exempt: The proposed project is statutorily exempt from the California Environmental Quality Act in accordance with California Code of Regulations, Title 14, Section 15282 (K) because the project includes the repair of an existing pipeline.

Lead Agency:

Contact Person: Kai Dunn Area Code/Telephone/Extension: (760) 776-8986

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  Date: 4/2/2018 Title: Senior Water Resources Control Engineer

- Signed by Lead Agency Date received for filing at OPR:
- Signed by Applicant