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Central Valley Regional Water Quality Control Board

18 June 2018

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ORDER AMENDING CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; CALIFORNIA DEPARTMENT OF TRANSPORTATION, BIG TREE CREEK STORMWATER COMPLIANCE PROJECT (WDID#5B05CR00069A1), CALAVERAS COUNTY

This Order responds to the 3 May 2018 request for an amendment of the Big Tree Creek Stormwater Compliance Project (Project) Section 401 Water Quality Certification (WDID#5B05CR00069). The original Water Quality Certification (Certification) was issued on 11 January 2016. The requested amendment is hereby approved. The original Certification is therefore amended as described below. Please attach this document to the original Certification.

AMENDMENT:

The amendment corrects the omission of pH monitoring requirements, which is required if wet concrete is placed within waters of the United States.

The Certification is amended as shown below in underline/strikeout format:

4. The California Department of Transportation shall perform surface water sampling:
 - i. when performing any in-water work;
 - ii. in the event that project activities result in any materials reaching surface waters; or
 - iii. when any activities result in the creation of a visible plume in surface waters.

The monitoring requirements in Table 1 shall be conducted upstream out of the influence of the Project, and approximately 300 feet downstream of the

work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁽¹⁾	Every 4 hours during in-water work	(4)
Settleable Material	mL/L	Grab ⁽¹⁾	Every 4 hours during in-water work	(2)
Visible construction related pollutants ⁽³⁾	Observations	Visual Inspections	Continuous throughout the construction period	—
pH ⁵	<u>Standard Units</u>	<u>Grab⁽¹⁾</u>	<u>Every 4 hours during in-water work</u>	<u>(2, 4)</u>

- (1) Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.
- (2) Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.
- (3) Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.
- (4) A hand-held field meter may be used, provided the meter utilizes a USEPA-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.
- (5) Sampling to be conducted if wet concrete comes into contact with surface water.

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

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

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April

2016 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity, ~~and~~ settleable matter, and pH limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

- a) Waters shall not contain oils, greases, waxes, or other materials in concentrations that cause nuisance, result in a visible film or coating on the surface of the water or on objects in the water, or otherwise adversely affect beneficial uses.
- b) Activities shall not cause turbidity increases in surface water to exceed:
 - i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
 - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

Except that these limits will be eased during in-water working periods to allow a turbidity increase of 15 NTUs over background turbidity. In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior approval of the Central Valley Water Board staff.

- c) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
- d) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within approximately 300 downstream of the Project.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, pH, or other water quality objectives are exceeded.

APPLICATION FEE RECEIVED:

No fee was required for this amendment. Application fees of \$600.00 and impact fees of \$1,061.00 for the original Certification were received on 9 November 2015 and 6 January 2016, respectively. The fee amount was determined as required by California Code of Regulations, title 23, sections 3383(b)(3) and 2200(a)(3), as was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD CONTACT:

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WATER QUALITY CERTIFICATION:

I hereby issue an Order amending the existing Clean Water Act, Section 401 Technically Conditioned Water Quality Certification for the Big Tree Creek Stormwater Compliance Project (WDID#5B05CR00069A1). All other conditions and provisions of the original Water Quality Certification and any previously approved amendments remain in full force and effect, except as modified based on the conditions of this Order. Failure to comply with the terms and conditions of the original Water Quality Certification, previously approved amendments, or of this Order may result in suspension or revocation of the Water Quality Certification.

Original Signed By Adam Laputz for:

Patrick Pulupa
Executive Officer

cc: [Via email only] (w/enclosure)

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