



Public Works staff proposes that the implementation plan to be prepared for Lahontan include most of the TRWQMP Phase 1 monitoring elements within the County's portion of Martis Valley, with modifications suggested by Lahontan staff in recent discussions. Additionally, staff proposes to include the Squaw Creek bioassessment monitoring, and approximately 1.5 total miles of rapid assessment monitoring in Squaw Creek and Bear Creek. A summary of these monitoring elements is attached as Exhibit B.

Lahontan is proposing that Squaw Creek TMDL bioassessment monitoring be required of each of four entities with storm water discharge permits: Placer County, Squaw Valley Ski Corporation, Squaw Creek Associates, and Squaw Valley Neighborhood Company. To date, two of the four permittees have such requirements in their storm water permits, the others are pending. The TMDL monitoring will be the same for each entity, but need only be done once every other year. Therefore, staff is proposing that Placer County conduct this monitoring in conjunction with other proposed watershed monitoring, and supported by a cost sharing agreement with the other permittees.

Placer County has received consultants' proposals for implementation of the TRWQMP Phase 1 monitoring, and has completed a selection process to establish the most-qualified firms. Staff is working with the top-ranked firm to develop a final contract scope, budget, and implementation schedule. It is requested that your Board authorize the Public Works Director to complete contract negotiations, and to award a contract to the most-qualified consultant, for a maximum single year value of \$460,000, including contingencies. The contract will be awarded for an initial one-year term, with the option for annual renewal up to a three-year term, at negotiated contract terms, and subject to annual budget approval.

#### **ENVIRONMENTAL**

Implementation of the TRWQMP is categorically exempt from the California Environmental Quality Act (CEQA) in accordance with Placer County Code Section 18.36.080 Class 6, Information Collection (CEQA Guidelines Section 15306).

#### **FISCAL IMPACT**

Implementation of the TRWQMP monitoring, as shown in Exhibit B, is estimated to cost, on average, \$320,000 annually, with first-year costs of up to \$460,000. Funding is available through Martis Valley Water Quality Monitoring County Service Area Zones of Benefit for monitoring in the Martis Creek watershed. The Martis Valley area monitoring is expected to cost \$260,000 annually, which can be fully funded through the CSA.

Squaw Creek bioassessment monitoring is estimated to cost \$ 35,000 every other year. Staff is working with the other three water quality permittees in the area to establish a cost-sharing agreement, which is anticipated to result in reimbursement of up to 75% of the monitoring costs. Proposed rapid assessment monitoring in Squaw and Bear Creeks is expected to cost \$25,000 every other year. Funding for the first year monitoring is currently budgeted in DPW's FY 2009/2010 budget, comprised of \$352,000 (Martis Valley CSA), \$27,000 (Squaw Valley Permittees), and \$81,000 (2/3 Road Fund and 1/3 General Fund).

Attachments: Resolution  
Exhibit A- Lahontan Order  
Exhibit B- Proposed Monitoring

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**Before the Board of Supervisors  
County of Placer, State of California**

In the matter of: A RESOLUTION APPROVING &  
AUTHORIZING THE DIRECTOR OF PUBLIC  
WORKS TO NEGOTIATE, SIGN, AND AMEND A  
CONTRACT FOR PROFESSIONAL SERVICES  
FOR THE TRUCKEE RIVER WATER QUALITY  
MONITORING PLAN PHASE 1  
IMPLEMENTATION.

Resol. No:.....

Ord. No:.....

First Reading:.....

The following RESOLUTION was duly passed by the Board of Supervisors  
of the County of Placer at a regular meeting held \_\_\_\_\_,  
by the following vote on roll call:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

Attest:  
Clerk of said Board

\_\_\_\_\_  
Chairman, Board of Supervisors

BE IT HEREBY RESOLVED by the Board of Supervisors of the County of Placer,  
State of California, that this Board authorizes the Director of Public Works to  
negotiate, sign, and amend a contract for the Truckee River Water Quality  
Monitoring Plan Phase 1 implementation, and authorizes the Director of Public  
Works to approve and sign the contract and amendments for up to a three year  
contract term. The contract value shall not exceed \$460,000, including  
amendments, for any single year.

## Exhibit A

ORDER FOR MONITORING AND REPORTING  
PROGRAM NO. 2003-0005-DWQ-01-A1  
IN ACCORDANCE WITH SECTION 13383  
CALIFORNIA WATER CODE  
WDID NO. 6A310712003  
PLACER COUNTY PORTIONS OF TRUCKEE RIVER HYDROLOGIC UNIT

### OVERVIEW OF REGULATORY AND MONITORING REQUIREMENTS

Placer County (County) is subject to waste discharge requirements in Water Quality Order No. 2003-0005-DWQ (General Permit), and the associated Monitoring and Reporting Program (MRP). The County is referred to as "Discharger" in this Order. The State Water Resources Control Board (State Water Board) adopted the General Permit, and pursuant to provision F.2., authorized Regional Water Boards to "impose additional monitoring requirements, which may include a reporting component. . . ."

This Order is established pursuant to section 13383 of the California Water Code and establishes an amended and consolidated stormwater monitoring and reporting program containing new and existing elements as described below.

- The MS4 Phase II permit program of the State Water Resources Control Board (State Water Board) and associated monitoring requirements of Board Order No. 2003-0005-DWQ. The Discharger remains subject to requirements in Board Order No. 2003-0005-DWQ-01. This Order revises reporting requirements in Board Order No. 2003-0005-DWQ-01. This Order may be amended if needed for consistency with MS4 requirements established by the State Water Resources Control Board.
- The Total Maximum Daily Load (TMDL) programs for the Squaw Creek Hydrologic Sub-area and Middle Truckee River Watershed as expressed in amendments to the Water Quality Control Plan for the Lahontan Region (Basin Plan), adopted April 2006 and May 2008, respectively.

This monitoring and reporting program is established for monitoring and reporting compliance with conditions established in a National Pollutant Discharge Elimination System (NPDES) permit. The monitoring imposed is necessary and reasonable to verify compliance with the NPDES and TMDL requirements concerning waste discharges to waters of the United States.

This Order includes consistent reporting dates based on the water year. For this Order, the water year is designated as the period between October 1 of a given year through September 30 of the following year. In order to obtain all currently-required monitoring data and reports, an initial report must be provided by January 15, 2010, that encompasses all of the Storm Water Monitoring Plan

activities and the monitoring and data collection from July 1, 2008 through September 30, 2009. Monitoring and reporting on a water year basis will commence thereafter. Specific monitoring and reporting elements are discussed further below, with the reporting dates for Annual Reports specified as January 15 of each year.

**I. PREVIOUSLY-ESTABLISHED REQUIREMENTS**

The Discharger must report on each of the following items in Sections A. and B.

**A. Requirements associated with General Permit No. 2003-0005-DWQ**

1. The status of compliance with permit conditions
2. An assessment of the appropriateness and effectiveness of any identified Best Management Practices (BMPs)
3. Status of the progress toward meeting identified measurable goals
4. Results of information collected and analyzed, including monitoring data, if any, during the reporting period
5. A summary of the storm water activities the Permittee plans to undertake during the next reporting cycle
6. Any proposed change(s) to the SWMP along with a justification of why the change(s) are necessary
7. Any change in the person or persons implementing and coordinating SWMP implementation

**B. Requirements associated with the County SWMP**

The implementation of the six Minimum Control Measures (County SWMP Figure 5-1):

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management
6. Pollution Prevention/Good Housekeeping for Municipal Operations

## II. NEW REQUIREMENTS

The Discharger must report on the following items in Sections A. and B.

### **A. Truckee River Total Maximum Daily Load Monitoring**

The County must report the following in accordance with the Truckee River TMDL Target Monitoring Requirements, Section 4, Table 4-1 (see Basin Plan, as amended)

1. Application and recovery of road abrasives
  - a. Location (Company/pit name) of the source of road abrasives
  - b. Volume of abrasives on County roads and parking lots (includes abrasives other entities have applied to County roads)
  - c. Volume of abrasives recovered
2. Known decommissioning of dirt roads on lands within the legal jurisdiction of the County
3. Restoration and/or implementation of Best Management Practices at legacy sites (areas of historic impacts) to control erosion and/or improve water quality under County authority

### **B. Squaw Creek Total Maximum Daily Load Monitoring**

1. The Discharger is required to conduct monitoring as described in *Sampling and Analysis Requirements Numeric Target Monitoring, Squaw Creek Total Maximum Daily Load (TMDL) for Sediment, Placer County, March 19, 2008, Lahontan Regional Water Quality Control Board (TMDL Sampling and Analysis Requirements) (Attachment A)*. The numeric target monitoring must be conducted at three locations in Squaw Creek's meadow reach every two years (with the exception that samples must occur in 2010 and 2011). The scope of monitoring includes benthic macroinvertebrate biomonitoring and assessment of streambed characteristics including median (D-50) particle size, percent sand, and percent fines.
2. The TMDL requires four Dischargers that have NPDES Permits or waste discharge requirements (WDRs) with sediment and erosion control provisions (Intrawest/Squaw Village Neighborhood Company, Placer County, the Resort at Squaw Creek, and the Squaw Valley Ski Corporation) to perform this monitoring. A coordinated monitoring effort is encouraged, as was discussed in the April 17, 2008 meeting between Water Board staff and the four Dischargers. If a coordinated monitoring program is pursued, submission of one set of data will satisfy the TMDL reporting requirements of all four WDRs. There is no requirement for

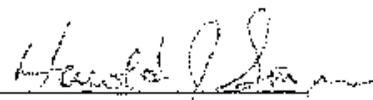
coordination, but individual monitoring costs would be substantially reduced if a coordinated monitoring program is implemented.

3. This TMDL Bioassessment Monitoring must commence in 2010, and must be conducted every odd calendar year thereafter. Sampling is to occur in late June or early July (approximately June 20 – July 10), in accordance with flow conditions specified in the TMDL Sampling and Analysis Requirements in Attachment A. If low-flow conditions preclude monitoring in a given odd-numbered year, then monitoring must be conducted the following even year, unless low-flow conditions exist and do not allow for sampling.

#### III. REPORTING REQUIREMENTS

Annual reports containing the information collected during the prior water year (October 1 – September 30) must be provided by January 15 of each year. The first required report must be provided by January 15, 2010, and include the information collected between July 1, 2008 and September 30, 2009. Reports must follow the outline of this Monitoring and Reporting Order and include the appropriate level of statistical analyses (i.e. numerical analyses, charts, graphs, etc.) (I.A.2. and 4.) to facilitate rapid evaluation and compliance assessments. In addition, the County shall describe how the reported findings will be implemented (i.e. further data collection or monitoring, additional Best Management Practices, restoration efforts, etc.). The attached Cover and Certification Letter (Attachment B) shall be completed and submitted with each report. A hard copy and electronic version (pdf format) of the annual report shall both be submitted.

Ordered by:



Dated:

Sept 15, 2009

HAROLD J. SINGER  
EXECUTIVE OFFICER

Attachment A: TMDL Sampling and Analysis Requirements  
Attachment B: Cover and Certification Letter

## Exhibit B

### Placer County Proposed Truckee River Monitoring

By Sub-Watershed Area:

#### Martis Creek (Funded through Martis Valley WQ CSA)

- Bioassessment – 6 locations
- Discrete Community Level Sampling – 2 locations
- Discrete Tributary Level Sampling - 1 location
- Near Continuous Auto-Sampling – 1 location
- Rapid Assessment – approximately 3 miles

#### Squaw Creek

- Bioassessment – 3 locations (Up to 75% funded through WQ permittees)
- Rapid Assessment – approximately ½ mile

#### Bear Creek

- Rapid Assessment – approximately 1 mile

# Truckee River Watershed Monitoring Phase 1 Implementation

