



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Arnold Schwarzenegger
Governor

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Ms. Bridget Cameron
Caltrans District 7
100 South Main Street
Los Angeles, Ca 90012

WATER QUALITY CERTIFICATION FOR PROPOSED STATE ROUTE 39, SAN GABRIEL RIVER BRIDGE (#53-2244) PROJECT (Corps' Project No. 2007-00295-PHT), NORTH FORK SAN GABRIEL RIVER, ANGELES NATIONAL FOREST, LOS ANGELES COUNTY (File No. 07-018)

Dear Ms. Cameron:

Board staff has reviewed your request on behalf of Caltrans District 7 (Applicant) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on March 20, 2007.

I hereby issue an order certifying that any discharge from the referenced project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges that have received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification.

The Applicant shall be liable civilly for any violations of this Certification in accordance with the California Water Code. This Certification does not eliminate the Applicant's responsibility to comply with any other applicable laws, requirements and/or permits.

Should you have questions concerning this Certification action, please contact Valerie Carrillo, Lead, Section 401 Program, at (213) 576-6759.

[Original signed by]
Jonathan S. Bishop
Executive Officer

April 11, 2007
Date

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

DISTRIBUTION LIST

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ATTACHMENT A

Project Information File No. 07-018

1. Applicant: Caltrans District 7
100 South Main Street
Los Angeles, Ca 90012

Phone: (213) 897-9362 Fax: (213) 897-0685
2. Applicant's Agent: Ms. Bridget Cameron
3. Project Name: State Route 39, San Gabriel River Bridge (#53-2244)
4. Project Location: Angeles National Forest, Los Angeles County

<u>Longitude</u>	<u>Latitude:</u>
117° 50' 33.88"	34° 16' 42.91"
5. Type of Project: Bridge scour protection
6. Project Purpose: The bridge footing on State Route 39 Bridge #53-2244 has been scoured by the North Fork San Gabriel River and is exposed to the bottom of the footing. The bridge foundation has been determined to be unstable for scour conditions. The project will correct structural deficiencies caused by scour and streambed degradation. Additional work will clean and repair the fire-damaged bridge deck, and re-paint a damaged portion of the bridge girder.
7. Project Description: The proposed project will consist of retrofitting Pier #2 with two (2) 2000-millimeter (79-inch) cast-in-drilled-hole rock socket concrete piles (drilled shaft), to support each Bent with a permanent 2200-millimeter (87-inch) diameter casing installed in the fluvial sediment. The work will be conducted in-stream, which will require a stream diversion plan by a qualified aquatic ecologist. Additional work will include cleaning the bridge deck and sealing it with methacrylate, replacement of Pier 2 joint with a joint seal, and to remove fire-damaged paint and re-paint the girders at Abutment 1. The bridge deck will be re-stripped to provide two (2) 3.6 meter

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lanes and two (2) 0.9 meter shoulders. Due to the installation of the permanent casing, there will be 0.001 acres of permanent impact within the North Fork San Gabriel River.

Temporary impacts to the North Fork San Gabriel River include a temporary access road leading from the existing staging area (which is currently devoid of vegetation) to the streambed. In order to obtain access to the streambed, a portion of the riprap levee will be removed. The temporary access road will be comprised of dirt taken from the existing staging area equal to 450 cubic meters. The temporary impact from the access road on the riparian area will be 0.07 acres. Temporary drilling pads will be needed to stabilize the drilling rig. Two drilling pads will be comprised of dirt from the existing staging area equal to 80 cubic meters each. The temporary impacted area for the drilling pads will be 0.003 acres (in-stream). Heavy equipment will temporarily impact the streambed during construction of the bridge piers. The temporary impacted streambed will be 0.045 acres. In addition, a temporary water diversion will be implemented to minimize impact to aquatic species. The temporary water diversion will take place within an area of 200 linear feet (0.009 acres). The total temporary in-stream impact will be 0.17 acres.

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| 8. Federal Agency/Permit: | U.S. Army Corps of Engineers
Permit No. 2007-00295-PHT |
| 9. Other Required
Regulatory Approvals: | California Department of Fish and Game
Streambed Alteration Agreement |
| 10. California
Environmental Quality
Act Compliance: | A Negative Declaration was prepared for the proposed project, pursuant to the provisions of CEQA. The Negative Determination was signed and approved on June 27, 2006. |
| 11. Receiving Water: | North Fork San Gabriel River (Hydrologic Unit No. 405.43) |

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12. Designated Beneficial Uses: MUN*, IND, PROC, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD, SPWN
- *Conditional beneficial use
13. Impacted Waters of the United States: Non-wetland waters (streambed): 0.001 permanent acres and 0.17 temporary acres (200 linear feet)
14. Dredge Volume: None
15. Related Projects Implemented/to be Implemented by the Applicant:
- Route 39 Post Mile 30.6 Bridge Geotechnical Boring (completed 2006)
 - Various sites, storm damage repair annually
 - Route 39, Brown's Gulch Storm Drain Replacement (currently in construction)
 - Repaving of Route 39 (existing road only)
 - Route 39 Road Opening
16. Avoidance/Minimization Activities:
- The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:
- No material will be dumped on the shoulder areas of the roadway where the potential exists for it to runoff into North Fork San Gabriel River or any tributaries. Only designated disposal sites will be used, no temporary storage of material will be allowed on the roadside as this is a Scenic Highway.
 - Drilling fluid will be contained in a mud-mixing truck. The tank will be visually monitored while filling and during drilling operations.
 - A containment center will be installed around the boreholes with a 5-foot radius and sand bag barrier, covered in impermeable fabric to prevent surface contamination. The sand bag barrier will be contained in a 10-20 foot radius straw waddle barrier covered with absorbent materials.

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- The drill rig will be placed on absorbent pads covered with impermeable fabric with straw waddles at the edges.
- A temporary water diversion will be implemented to minimize impact to aquatic species.
- Maintenance and construction equipment shall be checked and maintained daily by a contractor so as to prevent leaks or other potential contamination problems.
- The construction monitor, contractor and maintenance personnel shall look under all equipment prior to movement, at the start of watch workday, to inspect for animals (reptiles, amphibians, and mammals) that may use the equipment for cover. Additionally, the construction monitor shall survey the rocks on the access path and the river bottom to ensure no animals have moved into the area overnight.
- Contractor shall apply water and dust palliative to grade areas for the alleviation or prevention of dust nuisance. A street-sweeper shall remove dirt spilled on paved roads daily. At the end of the day when operations are complete, debris and/or trash shall be removed from the work area and properly disposed of by contractor.
- Construction activities will be limited to daylight hours only.
- Water quality measurements will be taken hourly during in-stream work activities, and will be taken weekly during the duration of the project when in-stream work is not being conducted. Water quality sampling will include pH, turbidity, dissolved oxygen, temperature and total suspended solids.

17. Proposed
Compensatory
Mitigation:

In order to provide compensatory mitigation for project impacts, the Applicant has proposed to provide riparian scrub restoration in the project vicinity.

18. Required
Compensatory
Mitigation:

The Applicant will be required to provide 0.51 acres riparian restoration for temporary impacts and 0.03 acres creation of riparian scrub habitat for permanent impacts associated with the proposed

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project. This corresponds to a mitigation ratio of 3:1 for all project impacts.

As specified in the Mitigation Plan submitted by Caltrans on March 20, 2007, the restoration shall include the following components:

- The willow/alder riparian scrub will be restored with live staking of on-site arroyo willow and cottonwood cuttings placed within the west and east stream embankments and will be seeded with alder.
- 0.03 acre of willow/alder riparian scrub will be created
- The streambed will be re-contoured to match the existing stream conditions.
- The sandbar will be restored in-stream.

See *Attachment B, Conditions of Certifications, Additional Conditions* for modifications and additions to the above proposed compensatory mitigation.

ATTACHMENT B

Conditions of Certification File No. 07-018

STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' (ACOE) Section 404 Permit and the California Department of Fish and Game's (CDFG) Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this Certification, the CDFG's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. **16**, are incorporated as additional conditions herein.

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5. The Applicant and all contractors employed by the Applicant shall have copies of this Certification, the approved maintenance plan, and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.
6. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
7. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.
8. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
9. All waste and/or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Please contact Rodney Nelson, Land Disposal Unit, at (213) 620-6119 for further information.
10. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
11. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, nor cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.

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12. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
13. Application of pesticides must be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the target species and habitat. All pesticides directed toward aquatic species must be approved by the Regional Board. Pesticide utilization shall be in accordance with State Water Resources Control Board Water Quality Order Nos. 2004-0008-DWQ and 2004-0009-DWQ.
14. The Applicant shall not conduct any construction activities within waters of the State during a rainfall event. The Applicant shall maintain a **five-day (5-day) clear weather forecast** before conducting any operations within waters of the State.
15. If rain is predicted after operations have begun, grading activities must cease immediately and the site must be stabilized to prevent impacts to water quality, and minimize erosion and runoff from the site.
16. The grading, stabilization and re-vegetation will be phased to limit the exposed or working face such that the graded area can be stabilized within 24 hours after the first prediction of rain during the 5-day forecast or within 24 hours after final grading of the phased area.
17. The Applicant shall utilize the services of a qualified biologist during any vegetation clearing activities or surface water diversions. The biologist shall be available on site during construction activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.
18. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.

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19. All project/maintenance activities not included in this Certification, and which may require a permit, must be reported to the Regional Board for appropriate permitting. Bank stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional Certification action.
20. 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 water. If surface water diversions are anticipated, the Applicant shall develop and submit a **Surface Water Diversion Plan** (plan) to this Regional Board. The plan shall include the proposed method and duration of diversion activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the locations of diversion and discharge points. Contingency measures shall be a part of this plan to address various flow discharge rates. The plan shall be submitted prior to any surface water diversions. If surface flows are present, then upstream and downstream monitoring for the following shall be implemented:
 - pH
 - temperature
 - dissolved oxygen
 - turbidity
 - total suspended solids(TSS)
 - Downstream TSS shall be maintained at ambient levels
 - Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be monitored for on a daily basis during the first week of diversion and/or dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete.

Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection.

21. The Applicant shall restore the proposed **0.17 acres** of TEMPORARY IMPACTS to waters of the United States and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the State. Restoration shall include grading of disturbed areas to pre-project contours and revegetation with native species. The

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Applicant shall implement all necessary Best Management Practices to control erosion and runoff from areas associated with this project.

22. The Applicant shall provide COMPENSATORY MITIGATION to offset the proposed temporary loss of **0.17 acres** waters of the United States by restoring riparian habitat at a minimum **3:1** area replacement ratio (**0.51 acres**). The Applicant shall also provide compensatory mitigation for the proposed permanent impacts to **0.001 acres** of vegetation within waters of the United States by creating riparian habitat/Federal jurisdictional wetland habitat at a minimum **3:1** area replacement ratio (**0.003 acres**). The boundary of the mitigation site shall be clearly identified on a map of suitable quality and shall be defined by latitude and longitude. This information shall be submitted to this Regional Board for approval prior to any disturbance within waters of the United States and shall include copies of any agreements made between the Applicant and a third party organization regarding compensatory mitigation efforts.
23. All open space and mitigation areas shall be placed within a conservation easement to ensure preservation in perpetuity. Documentation of proper easement placement shall be submitted to the Regional Board within one year.
24. In accordance with the Mitigation Plan submitted by Caltrans on March 20, 2007, the compensatory mitigation shall include the following components:
 - The willow/alder riparian scrub will be restored with live staking of on-site arroyo willow and cottonwood cuttings placed within the west and east stream embankments and will be seeded with alder.
 - 0.03 acre of willow/alder riparian scrub will be created
 - The streambed will be re-contoured to match the existing stream conditions.
 - The sandbar will be restored in-stream.
25. The Applicant shall submit to this Regional Board **Annual Mitigation Monitoring Reports** (Annual Reports) by **January 1st** of each year for a minimum period of **five (5) years** until mitigation success has been achieved. The Annual Reports shall describe in detail all of the project/construction activities performed during the previous year and all restoration and mitigation efforts; including percent survival by plant species and percent cover. The Annual Reports shall describe the status of other agreements (e.g., mitigation banking) or any delays in the mitigation process. At a minimum the Annual Reports shall include the following documentation and answered appropriately whether or not mitigation has been performed:

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- (a) Color photo documentation of the pre- and post-project and mitigation site conditions;
 - (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;
 - (c) The overall status of project including a detailed schedule of work;
 - (d) Copies of all permits revised as required in Additional Condition 1;
 - (e) Water quality monitoring results (as required) compiled in an easy to interpret format;
 - (f) A certified Statement of “no net loss” of wetlands associated with this project;
 - (g) Discussion of any monitoring activities and exotic plant control efforts; and
 - (h) A certified Statement from the permittee or his/her representative that all conditions of this Certification have been met.
26. Prior to any subsequent maintenance activities within the subject drainages/basin, including clearing, maintenance by-hand, and/or the application of pesticides, the Applicant shall submit to this Regional Board a NOTIFICATION of any such activity. Notification shall include: (a) the proposed schedule; (b) a description of the existing condition/capacity; (c) the area of proposed temporary impact within waters of the State; (d) a description of any existing aquatic resources (e.g., wetland/riparian vegetation); and (e) any proposed compensatory mitigation. Notifications must be submitted a minimum of **three (3) weeks** prior to commencing work activities.
27. All applications, reports, or information submitted to the Regional Board shall be signed:
- (a) For corporations, by a principal executive officer at least of the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates.
 - (b) For a partnership, by a general partner.
 - (c) For a sole proprietorship, by the proprietor.
 - (d) For a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
28. Each and any report submitted in accordance with this Certification shall contain the following completed declaration:

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**Conditions of Certification
File No. 07-018**

“I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the _____ day of _____ at _____.

(Signature)
(Title)”

29. All communications regarding this project and submitted to this Regional Board shall identify the Project File Number **07-018**. Submittals shall be sent to the attention of the 401 Certification Unit.
30. Any modifications of the proposed project may require submittal of a new Clean Water Act Section 401 Water Quality Certification application and appropriate filing fee.
31. The project shall comply with the local regulations associated with the Regional Board’s **Municipal Stormwater Permit** issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. 01-182. This includes the Standard Urban Storm Water Mitigation Plan (SUSMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment.. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) **General Permit** for Storm Water Discharges Associated with Construction Activity, Order No. 99-08-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.
32. Coverage under this Certification may be transferred to the extent the underlying federal permit may legally be transferred and further provided that the Applicant notifies the Executive Officer at least 30 days before the proposed transfer date, and the notice includes a written agreement between the existing and new Applicants containing a specific date of coverage, responsibility for compliance with this Certification, and liability between them.
33. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written

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submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

34. *Enforcement:*

- (a) In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
- (b) In response to a suspected violation of any condition of this Certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
- (c) In response to any violation of the conditions of this Certification, the SWRCB or RWQCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.

35. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application prior to termination of this Certification if renewal is requested.