

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

ORDER NO. R6T-2011-(TENT)
NPDES NO. CAG616001

**UPDATED WASTE DISCHARGE REQUIREMENTS AND NATIONAL
POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
FOR
STORM WATER/URBAN RUNOFF DISCHARGES FROM EL DORADO
COUNTY, PLACER COUNTY, AND THE CITY OF SOUTH LAKE TAHOE
WITHIN THE LAKE TAHOE HYDROLOGIC UNIT**

FINDINGS

The California Regional Water Quality Control Board, Lahontan Region (hereinafter referred to as the Water Board) finds that:

A. Discharger Information and Permit History

1. The City of South Lake Tahoe (City), El Dorado County, and Placer County discharge storm water/urban runoff to surface waters of the Lake Tahoe Hydrologic Unit (LTHU). These discharges occur within various hydrologic sub-areas (watersheds) throughout the LTHU. The City, El Dorado County, and Placer County are considered Co-Permittees under this National Pollutant Discharge Elimination System (NPDES) Permit and are referred to collectively as "Permittees".
2. These Updated Waste Discharge Requirements and NPDES Permit for Storm Water/Urban Runoff Discharges from El Dorado County, Placer County, and the City of South Lake Tahoe will be referred to throughout this Order as the "Permit."
3. Prior to issuance of this Permit, storm water discharges from the Permit Area were covered under Order No. R6T-2005-0026, adopted by the Regional Water Board on October 12, 2005, which replaced Order No. 6-00-82, adopted by the Regional Water Board on October 12, 2000.
4. The Permittees submitted Reports of Waste Discharge in April 2010 requesting renewal of waste discharge requirements under the National Pollutant Discharge Elimination System (NPDES) program to permit storm water discharges from municipal storm collection, conveyance, and treatment facilities within their jurisdictions.

B. Permit Area

1. The jurisdictional areas of the City, El Dorado County, and Placer County that fall within the LTHU are considered the "Permit Area." The Permittees are responsible for all storm water/urban runoff discharges in the Lake Tahoe watershed within the LTHU of their respective City and Counties.
2. Federal, state, regional, or local entities within the Permittees' jurisdictional boundaries and not currently named in this Permit may operate storm drain facilities and/ or discharge storm water to storm drains and receiving waters covered by this NPDES Permit. The Permittees may lack legal jurisdiction over these entities under State and Federal constitutions.

The Water Board will coordinate with these entities not named in this Permit that operate storm drain facilities and/ or discharge storm water to storm drains and receiving waters covered by this NPDES Permit to implement programs that are consistent with the requirements of this Permit.

3. Permittees should work cooperatively to control the contribution from pollutants from one jurisdiction to an adjacent jurisdiction through inter-agency agreements or other formal arrangements.

C. Nature of Discharge

1. Municipal point source discharges of runoff from urbanized areas remain a leading cause of impairment of surface waters in California. Urban runoff contains wastes, as defined in the California Water Code, and pollutants, as defined in the federal Clean Water Act, and adversely affects the waters of the State and their designated beneficial uses. The most common pollutant categories in urban runoff within the LTHU include total suspended solids, sediment (due to anthropogenic activities); pathogens (e.g., bacteria, viruses, protozoa); nutrients (e.g., nitrogen and phosphorus); oxygen demanding substances (decaying vegetation, animal waste); oil, grease, and other petroleum hydrocarbons; and trash. In general, the pollutants that are found in municipal storm water runoff can harm human health and aquatic ecosystems.
2. In addition, the high volumes and high velocities of storm water discharged from municipal separate storm sewer systems (MS4s) into receiving waters can adversely impact aquatic ecosystems and stream habitat and cause stream bank erosion and physical modifications. These changes are collectively termed "hydromodification".

3. Lake Tahoe's deep water transparency, as measured by the Secchi disk, has been declining since transparency measurement began in the late 1960's. The Lake Tahoe TMDL Report (November 2010) identifies elevated levels of very fine sediment (particles less than 16 microns) and increased algal growth rates as the causes of transparency loss. Consequently, the primary pollutants of concern for storm water treatment in the LTHU are the number of fine sediment particles (less than 16 microns) and the mass of nutrients that support algal growth (nitrogen and phosphorus).
4. One of the leading sources of very fine sediment particles is roadways. To enhance the safety of motorists in the winter months, the Permittees' winter roadway operations include the application of traction abrasive and deicing materials. Traction abrasives, when left on the road surface following snowmelt, can be a significant source of the pollutants of concern if not properly applied and recovered.
5. Storm water runoff within the Permittees jurisdiction generally flows into pipes and open channels and often passes through pretreatment vaults, treatment basins, and infiltration structures before being discharged to surface waters land. This Permit describes all storm water management infrastructure maintained by the Permittees as "collection, conveyance, and treatment facilities". For purposes of this Permit, collection, conveyance, and treatment facilities are synonymous with "municipal separate storm sewer systems" or MS4s.

D. Federal, State and Regional Regulations

1. The Water Quality Act of 1987 added § 402(p) to the Clean Water Act (CWA) (33U.S.C. § 1251-1387). This section requires the United States Environmental Protection Agency (U.S. EPA) to establish regulations setting forth NPDES requirements for storm water discharges in two phases.
 - a. U.S. EPA Phase I storm water regulations were directed at MS4s serving a population of 100,000 or more, and storm water discharges associated with ten categories of industrial activities, including construction activities disturbing more than 5 acres. In addition, municipalities whose storm water discharges contribute to violations of water quality standards or is a significant contributor of pollutants to waters of the United States may also be issued a NPDES permit under Phase I. Consequently, some MS4s that serve a population below 100,000, such as the Permittees, were brought into the Phase I program by NPDES permitting authorities.

The Phase 1 regulations were published on November 16, 1990 (55 Fed. Reg. 47990).

- b. U.S. EPA Phase II storm water regulations are directed at storm water discharges not covered in Phase I, including small MS4s (population of less than 100,000) in urbanized areas, small construction projects (less than 5 acres, but greater than 1 acre), municipal facilities with delayed coverage under the Intermodal Surface Transportation Efficiency Act of 1991, and other discharges for which the U.S. EPA Administrator or the State determines that the storm water discharge contributes to a violation of a water quality standard, or is a significant contributor of pollutants to waters of the U.S. The Phase II Final Rule was published on December 8, 1999 (64 Fed. Reg. 68722).
2. The CWA allows the U.S. EPA to authorize states with an approved environmental regulatory program to administer the NPDES program in lieu of the U.S. EPA. The State of California is an authorized State. The Porter-Cologne Water Quality Control Act (California Water Code) authorizes the State Water Resources Control Board (State Water Board), through the Regional Water Boards, to regulate and control the discharge of wastes that could affect the quality of waters of the State, including waters of the United States, and tributaries thereto.
3. Under CWA § 303(d), States are required to identify a list of impaired water bodies and develop and implement Total Maximum Daily Loads (TMDLs) for these waterbodies (33 USC § 1313(d)(1)). Lake Tahoe is listed on the CWA § 303(d) impaired water bodies list. On November 16, 2010 the Water Board adopted an amendment to its Water Quality Control Plan to incorporate a TMDL for Lake Tahoe. The amendment established waste load allocations for urban storm water discharges for fine sediment particles, total nitrogen, and total phosphorus. ~~Part~~Section IV of this Permit incorporates approved waste load ~~allocations-reduction requirements as effluent limits~~ for municipal storm water discharges in the LTHU and requires the preparation of Pollutant Load Reduction Plans to meet established waste load ~~allocationsreduction requirements~~.
4. This Permit does not constitute an unfunded local government mandate subject to subvention under Article XIII B, Section (6) of the California Constitution for several reasons, including, but not limited to, the following.

First, this Permit implements federally mandated requirements under CWA § 402, subdivision (p)(3)(B)(33 U.S.C. § 1342(p)(3)(B)). This includes federal requirements to effectively prohibit non-storm water discharges and to include such other provisions as the Administrator or

the State determines appropriate for the control of such pollutants. The authority exercised under this Permit is not reserved state authority under the Clean Water Act's savings clause (cf. *Burbank v. State Water Resources Control Bd.* (2005) 35 Cal.4th 613, 627-628 [relying on 33 U.S.C. § 1370, which allows a state to develop requirements which are not "less stringent" than federal requirements]), but instead, is part of a federal mandate to develop pollutant reduction requirements for municipal separate storm sewer systems. To this extent, it is entirely federal authority that forms the legal basis to establish the permit provisions. (See, *City of Rancho Cucamonga v. Regional Water Quality Control Bd.-Santa Ana Region* (2006) 135 Cal.App.4th 1377, 1389; *Building Industry Ass'n of San Diego County v. State Water Resources Control Bd.* (2004) 124 Cal.App.4th 866, 882-883.)

Likewise, this Permit implements federally mandated requirements under 303(d) of the CWA and section 122.44(d)(1)(vii)(B) of the Code of Federal Regulations. Specifically, the provisions of this Permit to implement the Lake Tahoe TMDL are federal mandates. The CWA requires TMDLs to be developed for waterbodies that do not meet federal water quality standards (33 U.S.C. § 1313(d)). Once the U.S. EPA or a state develops a TMDL, federal law requires that permits must contain effluent limitations consistent with the assumptions of any applicable waste load allocation. (40 CFR 122.44(d)(1)(vii)(B)).

Second, the Permittees' obligations under this Permit are similar to, and in many respects less stringent than, the obligations of non-governmental dischargers who are issued NPDES permits for storm water discharges. With a few inapplicable exceptions, the Clean Water Act regulates the discharge of pollutants from point sources (33 U.S.C. § 1342) and the Porter-Cologne regulates the discharge of waste (Water Code, § 13263), both without regard to the source of the pollutant or waste. As a result, the "costs incurred by local agencies" to protect water quality reflect an overarching regulatory scheme that places similar requirements on governmental and nongovernmental dischargers. (See *County of Los Angeles v. State of California* (1987) 43 Cal.3d 46, 57-58 [finding that comprehensive workers compensation scheme did not create a cost for local agencies that was subject to state subvention].)

The Clean Water Act and the Porter-Cologne Water Quality Control Act largely regulate storm water with an even hand, but to the extent there is any relaxation of this even-handed regulation, it is in favor of the local agencies. Except for municipal separate storm sewer systems, the Clean Water Act requires point source dischargers, including discharges of storm water associated with industrial or construction

activity, to comply strictly with water quality standards. (33 U.S.C. § 1311(b)(1)(C), *Defenders of Wildlife v. Browner* (1999) 191 F.3d 1159, 1164-1165 [noting that industrial storm water discharges must strictly comply with water quality standards].) As discussed in prior State Water Resources Control Board decisions, in many respects this Permit does not require strict compliance with water quality standards. (SWRCB Order No. WQ 2001-15, p. 7.) The Permit, therefore, regulates the discharge of waste in municipal storm water more leniently than the discharge of waste from non-governmental sources.

Third, the Permittees have the authority to levy service charges, fees, or assessments sufficient to pay for compliance with this Order subject to certain voting requirements contained in the California Constitution. (See California Constitution XIII D, section 6, subdivision (c); see also *Howard Jarvis Taxpayers Association v. City of Salinas* (2002) 98 Cal. App. 4th 1351, 1358-1359.) The ability of a local agency to defray the cost of a program without raising taxes indicates that a program does not entail a cost subject to subvention. (*County of Fresno v. State of California* (1991) 53 Cal.3d 482, 487-488.)

Fourth, the Permittees have requested permit coverage in lieu of compliance with the complete prohibition against the discharge of pollutants contained in federal Clean Water Act section 301, subdivision (a) (33 U.S.C. § 1311(a)). To the extent that the local agencies have voluntarily availed themselves of the permit, the program is not a state mandate. (*Accord County of San Diego v. State of California* (1997) 15 Cal.4th 68, 107-108.) The local agencies' voluntary decision to file a report of waste discharge proposing a program based permit is a voluntary decision not subject to subvention. (See *Environmental Defense Center v. USEPA* (9th Cir. 2003) 344 F.3d 832, 845-848.)

Fifth, the local agencies' responsibility for preventing discharges of waste that can create conditions of pollution or nuisance from conveyances that are within their ownership or control under state law predates the enactment of Article XIII B, Section (6) of the California Constitution.

5. The Water Board adopted a Water Quality Control Plan (Basin Plan) for the Lahontan Region on March 31, 1995. The Basin Plan specifies the beneficial uses of water bodies within the LTHU and contains both narrative and numerical water quality objectives for these waters. The following beneficial uses identified in the Basin Plan apply to all watersheds covered by this Permit:
 - a. Municipal and domestic supply,
 - b. Agricultural supply,

- c. Water contact recreation,
 - d. Non-contact water recreation,
 - e. Ground water recharge,
 - f. Freshwater replenishment,
 - g. Navigation,
 - h. Commercial and sport fishing,
 - i. Cold freshwater habitat,
 - j. Wildlife habitat,
 - k. Preservation of biological habitats of special significance,
 - l. Rare, threatened, or endangered species,
 - m. Migration of aquatic organisms,
 - n. Spawning, reproduction, and development,
 - o. Water quality enhancement, and
 - p. Flood peak attenuation/flood water storage
6. State Water Board Resolution No. 68-16 contains the state Antidegradation Policy, titled "Statement of Policy with Respect to Maintaining High Quality Waters in California" (Resolution 68-16), which applies to all waters of the state, including ground waters of the state, whose quality meets or exceeds (is better than) water quality objectives. Resolution No. 68-16 is considered to incorporate the federal Antidegradation Policy (40 CFR131.12) where the federal policy applies, (State Water Board Order WQO 86-17). Administrative policies that implement both federal and state antidegradation policies acknowledge that an activity that results in a minor water quality lowering, even if incrementally small, can result in violation of Antidegradation Policies through cumulative effects, for example, when the waste is a cumulative, persistent, or bioaccumulative pollutant.

Federal Antidegradation Policy (40 CFR131.12) states that the State shall develop and adopt a statewide antidegradation policy and identify the methods for implementing such policy pursuant to this subpart. The antidegradation policy and implementation methods shall, at a minimum, be consistent with the following:

- a. Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.
- b. Where the quality of the waters exceed levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water, that quality shall be maintained and protected unless the State finds, after full satisfaction of the intergovernmental coordination and public participation provisions of the State's continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. In

- allowing such degradation or lower water quality, the State shall assure water quality adequate to protect existing uses fully.
- c. Where high quality waters constitute an outstanding National resource, including waters of exceptional recreational or ecological significance like Lake Tahoe, that water quality shall be maintained and protected.
7. The requirements in this Permit may be more specific or detailed than those enumerated in federal regulations under 40 CFR122.26 or in U.S. EPA guidance. However, the requirements have been designed to implement and be consistent with the federal statutory mandates described in CWA § 402(p)(3)(B)(ii) and (iii) and the related federal regulations. Consistent with federal law, all of the conditions in this permit could have been included in a permit adopted by U.S. EPA in the absence of the in lieu authority of California to issue NPDES permits.

E. Storm Water Management Plans

1. The 2005 permit (Order R6T-2005-0026) required the Permittees to develop and implement comprehensive, activity-based storm water management programs that include construction, commercial, industrial, and residential site controls coupled with a facilities inspection program and thorough public outreach and education plans. Each Permittee prepared and submitted detailed Storm Water Management Plans (SWMPs) as required.
2. The current SWMPs provide many of the necessary elements for the Permittee's stormwater programs. The current SWMPs provide the necessary framework for the Permittees' storm water programs. Although it will be necessary for the Permittees to revisit and amend update and re-submit their current SWMPs to incorporate all requirements in PartSection III.B of the Permit, and to reflect current conditions and planned activities, the Permittees need not prepare new SWMPs.

F. Total Maximum Daily Loads – Lake Tahoe

1. On November 16, 2010 the Water Board adopted Resolution R6T-2010-0058, amending the Basin Plan to incorporate the Total Maximum Daily Load (TMDL) for sediments and nutrients for Lake Tahoe, designed to restore Lake Tahoe to meet the water quality objective for the lake's deep water transparency. The TMDL identified pollutant loads by source category, and set load allocations for each source category and identified an

implementation plan for restoring Lake Tahoe's deep water transparency.

2. The approved Basin Plan amendment requires the Permittees and the California Department of Transportation (CalTrans) to meet load reduction requirements specified by the Lake Tahoe TMDL. Pollutant load allocation tables are included in Attachment B of this Permit. The Basin Plan acknowledges that these agencies will likely consider a variety of different design storms for facility sizing, alternative treatment options, roadway operations practices, and local ordinances to reduce average annual pollutant loads to meet waste load allocation requirements.
3. The Basin Plan amendment and the Lake Tahoe TMDL require Lake Tahoe basin municipalities and the CalTrans to develop and implement comprehensive Pollutant Load Reduction Plans (PLRPs) to describe how proposed operations and maintenance activities, capital improvements, facilities retrofit projects, ordinance enforcement, and other actions will meet required pollutant load reduction requirements. PLRPs provide the Permittees the opportunity to prioritize pollutant load reduction efforts and target sub-watersheds that generate the highest annual average pollutant loads. The permit incorporates numeric and narrative effluent limitations consistent with 40 CFR 122.44(d) that implement the requirements of the Lake Tahoe TMDL wasteload allocations for the basin municipalities.
4. The Water Board developed the Lake Clarity Crediting Program to establish protocols for accounting and tracking pollutant load reductions within the urban environment.
5. On February 9, 2011 the Water Board Executive Officer issued the Permittees and the California Department of Transportation an Order to submit technical reports in accordance with California Water Code Section 13267 requiring the development of jurisdiction-specific baseline load estimates for the Lake Tahoe TMDL pollutants of concern. The baseline pollutant load estimates, submitted by the Permittees on September 15, 2011, provide the basis for translating percent-reduction requirements defined by the TMDL into jurisdiction specific pollutant load allocations.
6. The Lake Tahoe TMDL requires new development and re-development project proponents and private property Best Management Practice retrofit efforts to first consider opportunities to infiltrate storm water runoff from impervious surfaces. At a minimum, permanent storm water infiltration facilities must be

designed and constructed to infiltrate runoff generated by the 20 year, 1-hour storm, which equates to approximately one inch of runoff over all impervious surfaces during a 1-hour period. Infiltrating runoff volumes generated by the 20 year, 1-hour storm may not be possible in some locations due to shallow depth to seasonal groundwater levels, unfavorable soil conditions, or other site constraints such as existing infrastructure or rock outcroppings. For new development or redevelopment projects, site constraints do not include the existing built environment. In the event that site constraints prohibit opportunities to infiltrate the runoff volume generated by a 20 year, 1-hour storm, project proponents must either (1) meet the numeric effluent limits contained in Basin Plan Table 5.6-1, or (2) document coordination with one of the Permittees or CalTrans to demonstrate that storm water treatment facilities treating private property discharges and public right-of-way storm water are sufficient to meet the Permittees' or CalTrans; average annual fine sediment and nutrient load reduction requirements.

Comment [adw1]: Included this as a SWMP requirement under Part III.B.5 of the permit.

7. The Basin Plan amendment and the Lake Tahoe TMDL requires municipalities to annually demonstrate on a catchment (i.e. sub-watershed) basis that no increased loading in fine sediment particle, total nitrogen, and total phosphorus will result from any land-disturbing activity permitted in the catchment. The permit contains a narrative effluent limitation to implement this provision. Efforts to eliminate the increased loads from these land disturbing activities will not be counted towards achieving annual load reduction requirements.

G. Public Notification

1. The issuance of waste discharge requirements pursuant to California Water Code section 13370 et seq. is exempt from the California Environmental Quality Act in accordance with California Water Code section 13389. *County of Los Angeles et al., v. California Water Boards et al.*, (2006), 143 Cal.App.4th 985.
2. The Water Board has notified the Permittees, and interested agencies and persons of its intent to issue waste discharge requirements for this discharge, and has provided them with an opportunity to make statements and submit their comments.
3. This Permit shall serve as a NPDES permit, pursuant to CWA § 402, and shall take effect 90 days from Order adoption date provided the Regional Administrator of the U.S. EPA has no objections.

4. Pursuant to Cal. Water Code § 13320, any aggrieved party may seek review of this Permit by filing a petition with the State Board within 30 days of the date of adoption of the Permit by the Regional Water Board. A petition must be sent to:

State Water Resources Control Board
Office of the Chief Counsel
P.O. Box 100
Sacramento, CA 95812-0100

5. This Permit may be modified or alternatively revoked or reissued prior to its expiration date or any administrative extension thereto, in accordance with 40 CFR 122.41(f) and 122.62.

IT IS HEREBY ORDERED that Order No. R6T-2005-0026 is rescinded, and in order to meet the provisions contained in Division 7 of the Cal. Water Code and regulations adopted thereunder, and the provisions of the CWA and regulations adopted thereunder, the Permittees shall comply with the following:

I. Non-Storm Water Discharges

- A. The Permittees shall, within their respective jurisdictions, effectively prohibit non-storm water discharges into its collection, conveyance, and treatment facilities and receiving waters, except where such discharges:
 1. Originate from a State, Federal, or other source for which they are pre-empted from regulating by State or Federal law; or
 2. Are covered by a separate individual or general NPDES permit, or conditional waivers; or
 3. Flows from fire fighting activities.
- B. Pursuant to 40 CFR 122.26(d)(2)(iv)(B)(1) the following categories of non-storm water discharges need only be prohibited from entering the Permittees storm water collection, conveyance, and treatment facilities and receiving waters if such categories of discharges are identified by the Permittee (in its SWMP) as a source of pollutants to waters of the United States and the State of California:
 1. Waterline flushing
 2. Landscape irrigation
 3. Diverted stream flows
 4. Rising groundwater
 5. Uncontaminated groundwater infiltration [as defined by 40 CFR 35.2005(20)]
 6. Uncontaminated pumped groundwater
 7. Discharges from potable water sources

8. Fountain drains
 9. Air conditioning condensation
 10. Irrigation water
 11. Springs
 12. Water from crawl space pumps
 13. Footing drains
 14. Flows from riparian habitats and wetlands
- C. When a non-storm water discharge category listed above is identified as a source of pollutants to waters of the State, Permittees shall either:
1. Prohibit the discharge category from entering its storm water collection, conveyance, and treatment system; or
 2. Authorize the discharge category and require implementation of appropriate or additional Best Management Practices to ensure that the discharge will not be a source of pollutants; or
 3. Require or obtain coverage under separate Regional or State Water Board permit for the discharge.

II. Other Prohibitions

- A. Discharges from the Permittees collection, conveyance, and treatment facilities that cause or contribute to a violation of narrative or numeric water quality standards and objectives, as listed in Attachment E, are prohibited.
- B. Discharges from the Permittees collection, conveyance, and treatment facilities shall not cause or contribute to a condition of nuisance.
- C. Unless specifically granted, authorization pursuant to this Permit does not constitute an exemption to applicable discharge prohibitions prescribed in the Basin Plan.
- D. Storm water discharges regulated by this Permit shall not contain a hazardous substance equal to or in excess of a reportable quantity listed in 40 CFR Part 117 and/or 40 CFR Part 302.
- E. The removal of vegetation or disturbance of ground surface conditions between October 15 of any year and May 1 of the following year is prohibited. Where it can be shown that granting a variance would not cause or contribute to the degradation of water quality, a variance to the dates stated above may be granted in writing by the Executive Officer.
- F. Discharge of concrete or grout to surface waters is prohibited.
- G. The discharge of oil, gasoline, diesel fuel, any petroleum derivative, any toxic chemical, or hazardous waste is prohibited.

Comment [adw2]: Read literally, this can be viewed as excessively stringent. Any vegetation over a specific size? Any ground disturbance where a minimum amount of soil is disturbed? Clarify what situations this applies to.

- H. At no time shall earthen materials be placed in surface water drainage courses, within the 100-year flood plain of any surface water, below the high water line of Lake Tahoe, or in such a manner as to allow the discharge of such materials to adjacent undisturbed land or to any surface water drainage course.
- I. The discharge or threatened discharge, attributable to new development in Stream Environment Zones, of solid or liquid waste, including soil, silt, sand, clay, rock, metal, plastic, or other organic, mineral or earthen materials to Stream Environment Zones in the LTHU is prohibited.
- J. The discharge, or threatened discharge, attributable to human activities, of solid or liquid waste materials, including soil, silt, clay, sand, and other organic and earthen materials to the surface waters of the LTHU is prohibited.
- K. The discharge or threatened discharge, attributable to human activities, of solid or liquid waste materials, including soil, silt, clay, sand and other organic and earthen materials, to lands below the high-water rim of Lake Tahoe or within the 100-year floodplain of any tributary to Lake Tahoe, is prohibited.

III. Storm Water Program Implementation

A. Legal Authority

1. Permittees shall, **no later than March 15, 2012, establish, maintain, and enforce the necessary legal authority to prohibit, including, but not limited to:**
- a. Illicit connections and illicit discharges **to its MS4,**
- b. The discharge of non-storm water to the Permittees' storm water collection, conveyance, and treatment facilities from:
- (1) Washing or cleaning of gas stations, auto repair garages, or other types of automotive service facilities
 - (2) Mobile auto washing, carpet cleaning, steam cleaning, sandblasting and other such mobile commercial and industrial operations
 - (3) Areas where repair of machinery and equipment which are visibly leaking oil, fluid or antifreeze, is undertaken
 - (4) Storage areas for materials containing grease, oil, or other hazardous substances, and uncovered receptacles containing hazardous materials
 - (5) Swimming pool and hot tubs
 - (6) Industrial/ Commercial areas

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Comment [DS3]: As one county did not get this done throughout the term of the existing permit, it is appropriate to more firmly require completion of its ordinance to establish this authority.

- (7) Concrete truck cement, pumps, tools, and equipment washout
- (8) Spills, dumping, or disposal of materials such as fuel or chemical wastes, batteries, and any other materials which have the potential to adversely impact water quality
- (9) Trash container leachate
- ~~(9)~~(10) Permittee-owned and -operated facilities (i.e. municipal corporation yards)

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2. Permittees shall maintain and enforce adequate legal authority to:
 - a. Control through interagency agreement, the contribution of pollutants from one municipal jurisdiction to another
 - b. Require persons within their jurisdiction to comply with conditions in the Permittees' ordinances, permits, or orders (i.e. hold dischargers to its collection, conveyance, and treatment facilities accountable for their contributions of pollutants and flows)
 - c. Remove illicit connections to public storm water collection, conveyance, and treatment facilities
 - d. Control the discharge of spills, dumping, or material disposal other than storm water to public storm water collection, conveyance, and treatment facilities
 - e. Utilize enforcement measures (e.g., stop work orders, notice of violations, fines, referral to City, County, and/ or District Attorneys, etc.) by ordinances, permits, contracts, orders, administrative authority, and civil and criminal prosecution
 - f. Control the quality of storm water runoff from industrial and construction sites
 - g. Carry out all inspections, surveillance and monitoring procedures necessary to determine compliance and non-compliance with permit conditions including the prohibition on illicit discharges.
 - h. Require the use of control measures to prevent or reduce the discharge of pollutants to achieve water quality objectives
3. No later than **March 15, 2012** each Permittee shall submit a statement certified by its legal counsel that the Permittee possesses all necessary legal authority to comply with this Permit through adoption of ordinances and/ or municipal code modifications. This statement shall include:
 - a. Identification of all departments within the jurisdiction that conduct urban runoff related activities and their roles and responsibilities under this Order. Include an up-to-date organization chart specifying these departments and key personnel positions.
 - b. Citation of urban runoff related ordinances and the reasons they are enforceable.

- c. Identification of the local administrative and legal procedures available to mandate compliance with urban runoff related ordinances.
- d. Description of how these ordinances or other legal mechanisms are implemented and actions taken can be appealed.
- e. Description of how the municipality can issue administrative orders and injunctions, or if it must go through the court system for enforcement actions.

B. Storm Water Management Plans

Federal Regulations (40 CFR 122.26(d)(2)(iv)) require the Permittees to develop and implement a Storm Water Management Plan (SWMP) during the term of this Order. Each Permittee shall amend its SWMP to include components 1-~~73~~ below. Permittees shall submit amended SWMPs for Water Board Executive Officer approval no later than **March 15, 2013**.
~~2012~~

1. Construction Component

Each Permittee shall implement a Construction Component of its SWMP to reduce pollutants in runoff from construction sites that involve more than three cubic yards of soil disturbance during all construction phases. The SWMP shall include a description of procedures for identifying inspection priorities and enforcing control measures. At a minimum the construction component plan shall address the following:

a. Construction Site Inventory

Permittees shall develop and ~~annually~~ update, at least annually, a complete inventory of construction sites within its jurisdiction that involve more than three cubic yards of soil disturbance. This requirement is applicable to all construction sites regardless of whether the construction site is subject to the General Construction Permit (Order R6T-2011-0019). The use of a Geographical Information System (GIS) database is highly recommended, but not required.

b. Construction Site Outreach

Outreach efforts shall include, at a minimum, educating construction site operators about local ordinances or other regulatory measures and associated tiered enforcement

Comment [adw4]: If you're only looking for modifications to the existing SWMPs, submission of the revised SWMPs can and should be required sooner (recommend March 15, 2012).

mechanisms applicable to construction site runoff prior to commencement of construction.

b.c. Construction Site Prioritization and Inspection

Permittees shall develop a prioritization process for its watershed-based inventory (developed pursuant to III.B.1.a above) by threat to water quality. Each construction site shall be classified as a high, medium, or low threat to water quality. In evaluating threat to water quality, each Permittee ~~should~~ shall consider (1) fine sediment source potential; (2) site slope; (3) project size and type; (4) stage of construction; (5) proximity and connectivity to receiving water bodies; and (6) any other factors the Permittee deems relevant.

Each Permittee shall conduct construction site inspections for compliance with its ordinances (grading, storm water, etc.), permits (construction, grading, etc.), and discharge prohibitions contained in this Permit, in accordance with Part Section II.B of the Monitoring and Reporting Program (Attachment C). Inspections shall include review of site erosion control and BMP implementation plans. Inspection frequencies and priorities shall be determined by the threat to water quality prioritization. During the construction season (May 1 through October 15 of each year), each Permittee shall inspect, ~~at a minimum,~~ each high priority construction site and all construction projects overseen by the Permittee (e.g. erosion control projects) at least once per week. Each Permittee shall inspect, at a minimum, each medium and low priority construction sites at a frequency sufficient to ensure that sediment and other pollutants are properly controlled and that unauthorized, non-storm water discharges are prevented. ~~Each Permittee shall inspect each low priority construction site at least one time during the construction period.~~

Comment [A5]: Language from Orange County MS4 permits

d. Construction Site Enforcement

Permittees shall enforce their storm water ordinances and other regulatory mechanisms for all construction activities to maintain compliance with this Permit. Permittees shall document any non-compliance with the requirements of this permit, and report inspection findings in their Annual Report, as described under Section IV.C of the Monitoring and Reporting Program (Attachment C). Based on site inspection findings, each Permittee shall implement, in accordance with the Enforcement Response Plan required under Section III.B.7 of this Permit, all follow-up actions necessary for the construction site to comply with the requirements of this Permit.

2. Commercial, Industrial, ~~Municipal~~, and Residential Component

Each Permittee shall develop and implement measures to reduce, to the maximum extent practicable, pollutants in runoff from commercial, industrial, municipal, and residential properties within its jurisdiction. The purpose of this Component is to identify potential pollutant sources ~~on private property~~, prioritize existing or potential water quality threats associated with different land uses, and provide outreach, education, and enforcement measures to reduce and/or eliminate storm water pollution from these sources.

a. ~~Commercial, and Industrial, and Municipal~~ Site Inventory and Prioritization

Each Permittee shall develop and annually update an inventory of high priority commercial, ~~and industrial, and municipal~~ activities and sources. ~~When developing the~~ The high priority commercial, and industrial, and municipal source inventory, each Permittee should consider, at a minimum, the following business types:

- (1) Automobile mechanical repair, maintenance, or cleaning;
- (2) Automobile and other vehicle body repair or painting;
- (3) Retail or wholesale fueling;
- (4) Eating or drinking establishments;
- (5) Mobile carpet, drape or furniture cleaning;
- (6) Concrete mixing or cutting;
- (7) Painting and coating;
- (8) Mobile pool and spa cleaning;
- (9) Snow removal activities
- ~~(9)~~(10) Municipal corporation yards

The use of a Geographical Information System (GIS) database is highly recommended, but not required.

~~b. Commercial, and Industrial, and Municipal Site Inspection, Outreach, and Enforcement~~

~~c.~~

~~Each Permittee shall implement a program to inspect high priority commercial, and industrial, and municipal sites as needed. Based upon site inspection findings, each Permittee shall implement all follow up actions necessary to comply with this Permit. Outreach efforts shall include information regarding local ordinances or other regulatory measures and associated tiered enforcement mechanisms applicable to commercial, industrial, or municipal site runoff.~~

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~~Permittees shall also enforce their storm water ordinances and other regulatory mechanisms for all commercial and industrial activities as necessary to maintain compliance with this Permit.~~

b. Commercial, Industrial, and Municipal Site Outreach

Outreach efforts shall include, at a minimum, educating commercial, industrial, and municipal site operators about local ordinances or other regulatory measures and associated tiered enforcement mechanisms applicable to commercial, industrial, or municipal site runoff.

c. Commercial, Industrial, and Municipal Site Inspections

Each Permittee shall implement a program to inspect high priority commercial, industrial, and municipal sites in accordance with Section II.C of the Monitoring and Reporting Program (Attachment C). Each Permittee shall inspect each high priority commercial, industrial, and municipal site at least once per year. Each Permittee shall inspect each medium priority commercial, industrial, and municipal sites site at least twice during the term of this Permit. Each Permittee shall inspect each low priority commercial, industrial, and municipal sites site at least once during the term of this Permit.

Comment [adw6]: Inspection frequencies based on municipal, industrial, and commercial inspection components of the Orange County MS4 permits

d. Commercial, Industrial, and Municipal Site Enforcement

Permittees shall enforce their storm water ordinances and other regulatory mechanisms for all commercial, industrial, and municipal activities to maintain compliance with this Permit. Permittees shall document any non-compliance with the requirements of this permit, and report inspection findings in their Annual Report, as described under Section IV.C of the Monitoring and Reporting Program (Attachment C).

Based on site inspection findings, each Permittee shall implement, in accordance with the Enforcement Response Plan required under Section III.B.7 of this Permit, all follow-up actions necessary for the site to comply with the requirements of this Permit.

Comment [adw7]: Formatted to reflect construction outreach, inspection, enforcement language in this permit.

e-e. Residential Property – Source Identification and Prioritization

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Each Permittee shall identify high priority residential areas and activities for targeted outreach and education. At a minimum, these areas/activities should include:

- (1) Automobile repair and maintenance;
- (2) Off-pavement automobile parking;
- (3) Home and garden care activities and product use (pesticides, herbicides, and fertilizers);
- (4) Disposal of household hazardous waste (e.g., paints, cleaning products);
- (5) Snow removal activities

d.f. Residential Property Outreach and Enforcement

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Permittees shall develop and implement a program to target education and outreach efforts toward identified high priority activities. Such outreach programs ~~should~~ shall include coordination with other Lake Tahoe Basin agencies involved with BMP implementation, including, but not limited to, the Tahoe Resource Conservation District and the Tahoe Regional Planning Agency Erosion Control Team.

Permittees shall also enforce their storm water ordinances and other regulatory mechanisms for all residential areas and activities ~~as necessary~~ in accordance with the Enforcement Response Plan required under Section III.B.7 of this Permit.

3. Storm water Facilities Inspection Component

Each Permittee shall develop and implement a comprehensive inspection program to assess storm water collection, conveyance and treatment facilities condition and maintenance needs, in accordance with Part Section II.A of the Monitoring and Reporting Program (Attachment C).

a. Each Permittee shall maintain an up-to-date and accurate MS4 System Map, including all storm water collection, conveyance, and treatment components.

a.b. Each Permittee shall inspect its storm water collection, conveyance and treatment facilities at least once annually and maintain a database of inspection findings.

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b.c. As part of its storm water collection, conveyance, and treatment facilities inspections, each Permittee shall evaluate and identify potential pollutant sources including but not limited to: private property/residential runoff, commercial site runoff, eroding cut slopes, eroding road shoulders, intercepted groundwater

discharges, excessive traction abrasive application, and construction site tracking.

e-d. Each Permittee shall document and prioritize identified maintenance needs and perform needed maintenance to ensure storm water facilities effectively collect, convey, and treat urban runoff as designed, and comply with the requirements in this Permit.

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4. Education Component

~~Permittees shall implement an Education Component using any appropriate media to (1) increase the community's knowledge of the effect of urban runoff on receiving waters, and potential BMP solutions for the target audience; (2) educate the community about the Lake Tahoe Clarity TMDL and its requirements; and (3) encourage community behavior to reduce pollutant releases to the environment.~~

4.5. Illicit Discharge Detection and Elimination Component

Permittees shall implement an Illicit Discharge Detection and Elimination Component containing measures to actively seek and eliminate illicit discharges and connections. At a minimum the Illicit Discharge Detection and Elimination Component shall include the following elements:

a. Each Permittee shall visually inspect all storm water collection and conveyance systems at least once annually, as described in Section II.A of the Monitoring and Reporting Program (Attachment C), for evidence of illicit discharges, illicit connections, or other sources of non-storm water.

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a-b. Each Permittee shall establish and implement a program to investigate and inspect any portion of the storm water collection and conveyance system that indicates a reasonable potential for illicit discharges, illicit connections, or other sources of non-storm water. Each Permittee shall establish criteria to identify portions of the system where ~~such~~ follow-up investigations are needed to assess whether illicit discharges, illicit connections, or other sources of non-storm water have occurred or are likely to occur appropriate.

b-c. Each Permittee shall implement and enforce its ordinances, orders, or other legal authority or regulatory mechanism to prevent and eliminate illicit discharges and connections to its storm water

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collection and conveyance system, in accordance with the Enforcement Response Plan required under Section III.B.7 of this Permit. ~~Each Permittee shall also implement and enforce its ordinance or other regulatory mechanism to eliminate detected illicit discharges and connections to its storm water collection, conveyance, and treatment system.~~

e.d. Each Permittee shall promote, publicize and facilitate public reporting of illicit discharges or water quality impacts associated with discharges into or from its storm water collection and conveyance system. Each Permittee shall facilitate public reporting through development and operation of a public hotline. Public hotlines can be Permittee-specific or shared by Permittees. All storm water hotlines should be capable of receiving reports in both English and Spanish 24 hours per day, seven days per week. Permittees shall respond to and resolve each reported incident. Each Permittee shall keep a record of all reported incidents and how each was resolved.

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5. New Development and Re-Development Component

At a minimum, permanent storm water infiltration facilities must be designed and constructed in each new development and re-development site to infiltrate runoff generated by the 20 year, 1-hour storm, which equates to approximately one inch of runoff over all impervious surfaces during a 1-hour period.

If a Permittee demonstrates to the Water Board that infiltration of the entire runoff volume generated by the 20 year, 1-hour storm is not possible at a new development or re-development site, upon approval from the Water Board, project proponents shall infiltrate the greatest runoff volume possible, and either:

- a. Meet the numeric effluent limits contained in Basin Plan Table 5.6-1 (Attachment H); or
- b. Document coordination with one of the Permittees to demonstrate that storm water treatment facilities or BMPs treating storm water in the catchment are sufficient to meet the average annual fine sediment and nutrient effluent limits in Section IV.B of this Permit.

Comment [A8]: Add this table as Attachment H (or include table here)

Comment [adw9]: Incorporated this from Finding F.6 to make this an enforceable requirement of the permit and require compliance with the terms of the TMDL.

6. Education Component

a. Public Education Component

Permittees shall implement a public education program using any appropriate media to (1) increase the community's knowledge of the effect of urban runoff on receiving waters, and potential BMP solutions for the target audience; (2) educate the community about the Lake Tahoe Clarity TMDL and its requirements; and (3) encourage community behavior to reduce pollutant releases to the environment.

b. Municipal Personnel Training and Education Component

Permittees shall ensure that all municipal personnel and contractors that have responsibilities for implementing the requirements of this permit, for operating municipal facilities covered under Section III.B.2 of this Permit, and for conducting inspections required under Sections III.B.1-5 of this Permit are adequately trained and educated to perform such tasks.

7. Enforcement Response Plan

By **March 15, 2012**, each Permittee shall develop and implement an effective progressive Enforcement Response Plan. The Enforcement Response Plans shall outline each Permittee's responses to violations (e.g. non-compliance of municipal codes, ordinances, statutes, standards, specifications, permits, contracts) and shall address repeat and continuing violations through progressively stricter responses as needed to achieve compliance. The Enforcement Response Plans shall describe how each Permittee will use each enforcement response type listed below, based on the type of violation.

- a. Verbal Warnings – Verbal warnings are primarily consultative in nature. At a minimum, verbal warnings shall specify the nature of the violation and required corrective action.
- b. Written Notices – Written notices of violation (NOVs) shall stipulate the nature of the violation and the required corrective action, with deadlines for taking such action.
- c. Escalated Enforcement Measures – The Permittee shall have the legal ability to employ any combination of the enforcement actions listed below (or their functional equivalent) and to escalate enforcement responses where necessary to correct persistent violations, repeat or escalating violations, or incidents that have the potential to cause significant detrimental impacts to human health or the environment.

- (1) Citations (with Fines) – The Enforcement Response Plan shall indicate when the Permittee will assess monetary fines, which may include civil and administrative penalties.
- (2) Stop Work Orders – The Permittee shall have the authority to issue stop work orders that require construction, industrial and commercial activities to be halted, except for those activities directed at cleaning up, abating discharge, and installing appropriate BMPs.
- (3) Withholding of Plan Approvals or Other Authorizations – Where a facility, site or operation is in violation, the Enforcement Response Plan shall address how the Permittee’s own approval process affecting the facility, site or operation’s ability to discharge to the MS4 can be used to abate the violation.
- (4) Additional Measures – The Permittee may also use other escalated measures provided under local legal authorities. The Permittee may perform work necessary to improve BMPs and collect the funds from the responsible party in an appropriate manner, such as collecting against the project’s bond or directly billing the responsible party to pay for work and materials.

Comment [adw10]: Language from proposed renewal of Salinas MS4 permit

8. Storm Water Management Plan Reporting

Permittees shall annually report anyall activities related to their storm water management plans in accordance with PartSection IV of the Monitoring and Reporting Program (Attachment C).

C. Fiscal Analysis Component

Each Permittee shall annually conduct a fiscal analysis of its urban runoff management program in its entirety, including operations and maintenances costs and secure the resources necessary to meet the requirements of this Permit. This analysis shall, for each fiscal year covered by this Permit, evaluate the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities of the Permittee’s storm water management program. Such analysis shall include a description of the source(s) of funds that are proposed to meet the necessary expenditures, including legal restrictions on the use of such funds.

Comment [adw11]: Is this analysis a component of the SWMP? If so, should be moved under Part III.B. If not part of the SWMP, delete “Component”

IV. Lake Tahoe Total Maximum Daily Load Implementation – Pollutant Load Reduction Requirements

A. Baseline Pollutant Loads

The Lake Tahoe TMDL expresses waste load allocations for the urban upland source as percent reductions from a basin-wide baseline load. The baseline basin-wide pollutant loads for the TMDL reflect conditions as of water year 2003/2004 (October 1, 2003 – September 30, 2004), hereafter referred to as “baseline”.

To translate basin-wide urban runoff waste load allocations into jurisdiction-specific waste load allocations, the Water Board has required the Permittees to conduct a jurisdiction-scale baseline load analysis as the first step in the TMDL implementation process. Each permittee has completed this analysis, and the submitted baseline pollutant load estimates are the basis for the pollutant load allocation effluent limits in this Permit (Table IV.B.1).

Permittees may gather additional information in the future to enhance the accuracy of the baseline load analysis. Similarly, numeric models used to estimate pollutant loads may be improved over time. If a Permittee determines that updated load estimation tools or other information are expected to change its baseline pollutant load estimate it may submit a request to the Water Board to amend its baseline load estimate. If approved by the Water Board, the Permit may be modified and re-public-noticed to incorporate the more accurate baseline pollutant load(s) and corresponding water quality-based effluent limits.

Comment [adw12]: Would require major permit modification to revise (would need to public notice the modification). Include more specific criteria for approvals.

B. Pollutant Load Reduction Requirements and Water Quality-Based Effluent Limits

For the first five year milestone, jurisdiction-specific waste load reduction requirements, incorporated into the permit as water quality-based effluent limits (Table IV.B.1), are calculated by multiplying the urban uplands basin-wide load reduction percentage for each pollutant by each jurisdiction’s individual baseline load. Each jurisdiction must reduce fine sediment particle (FSP), total phosphorus (TP), and total nitrogen (TN) loads by 10%, 7%, and 8%, respectively, by **November 9, 2016**. Pollutant loading shall be measured in accordance with the process outlined in the Lake Clarity Crediting Program Handbook (Attachment D).

Comment [A13]: MRP Section I.B says by Nov. 12 – which is correct?

Table IV.B.1 – Water quality-based effluent limits for Fine Sediment Particles (FSP), Total Phosphorus (TP), and Total Nitrogen (TN) Allowable pollutant loading for to meet the first five year TMDL milestone

Jurisdiction	Baseline FSP	FSP Allowable Load	Baseline TP	TP Allowable Load	Baseline TN	TN Allowable Load
El Dorado						

County						
Placer County						
City of South Lake Tahoe						

Pollutant load reductions shall be measured in accordance with the process outlined in the Lake Clarity Crediting Program Handbook (Attachment D). The Crediting Program Handbook defines one (1) Lake Clarity Credit as equal to 1.0×10^{16} fine sediment particles with a diameter smaller than 16 micrometers.

By November 9, 2016 each Permittee must earn and maintain enough credits to demonstrate, at a minimum, a 10 percent reduction of fine sediment particles from its baseline load in accordance with Table I.B below.

Table IV.B.2 – Lake Clarity Credit Requirements

Jurisdiction	Clarity Credit Requirement
El Dorado County	
Placer County	
City of South Lake Tahoe	

Permittees shall comply with all pollutant load percent reductions for fine sediment particles, total nitrogen, and total phosphorus in “Urban Upland” listed in the Lake Tahoe TMDL (Attachment B). In accordance with the TMDL schedule, incremental load reductions will result in final water quality standards attainment by the year 2076.

Comment [adw14]: What about load reductions of nitrogen and phosphorus? If these reductions are covered by reductions in FSP, should explain here, or cite where in LCCP this is explained.

Comment [DS15]: It is required to make note of final WLA compliance levels in the permit even if the interim limits for the term of the permit do not fully meet the final WLAs in order to meet the requirements of 40 CFR 122.44(d)

C. Pollutant Load Reduction Plans

Each Permittee shall prepare a detailed plan, in accordance with the process outlined in the Lake Clarity Crediting Program Handbook (Attachment D) describing how ~~they~~ it will meet the pollutant load reduction requirements described in Section IV.B above. Permittees shall submit a plan no later than **March 15, 2013** that shall include, at a minimum, the following elements:

1. Catchment registration schedule

The Pollutant Load Reduction Plan (PLRP) shall include a list of catchments ~~that will likely be~~ registered pursuant to the Lake Clarity Crediting Program (see Attachment D) to meet load reduction requirements. The list ~~should~~ may include catchments where capital improvement projects have been constructed since May 1, 2004 and where projects ~~are expected to~~ will be constructed during this Permit term.

The list ~~should~~may also include catchments where Permittees plan actions other than capital improvements (such as enhanced operations and maintenance). The plan shall describe which catchments the Permittee anticipates it will register for each year of this Permit term.

2. Proposed pollutant control measures

For each catchment in the registration plan, the PLRP shall describe ~~proposed~~ storm water program activities to reduce fine sediment particle, total phosphorus, and total nitrogen loading.

3. Pollutant load reduction estimates

For each catchment in the registration plan (or a representative catchment subset) Permittees shall provide estimates of both baseline pollutant loading and expected pollutant loading to demonstrate that proposed actions will, over the course of this Permit term, reduce the Permittee's jurisdiction-wide pollutant load by the amounts specified in Section IV.B above.

Comment [adw16]: Clarify what a representative subset is.

4. Load reduction schedule

The PLRP shall describe a schedule for achieving the pollutant load reduction requirements described in Section IV.B above. The schedule shall include an estimate of expected pollutant load reductions for each year of this Permit term based on preliminary numeric modeling results.

Comment [adw17]: Is this modeling outlined in the Lake Clarity Crediting Program Handbook? If so, reference the requirements here.

5. Annual adaptive management

The PLRP shall include a description of the internal process and procedures to annually assess storm water management activities and associated load reduction progress. The adaptive management discussion shall describe how the Permittee will use information from the previous years' monitoring and implementation efforts to make needed adjustments to ensure compliance with the load reduction requirements specified in Section IV.B.

The Water Board will circulate the submitted PLRPs for public review and will consider PLRP acceptance at a Water Board meeting. Each Permittee's submitted PLRP needs to be approved by the Water Board in order for the Permittee to be in compliance with this Permit.

D. Development impacts

Activities such as new development or re-development have the potential to increase localized (i.e. on a parcel scale) pollutant loading. Permittees must comply with requirements in Sections III.B.1 and III.B.5 of this Permit and reduce total fine sediment particle, total nitrogen, and total phosphorus loads to meet load reduction requirements described above specified in Section IV.B. Efforts to eliminate the increased loads from these land-disturbing activities will not increase the baseline loads or corresponding effluent limits specified in Table IV.B.1 - be counted towards the annual load reduction requirements.

In accordance with the attached Monitoring and Reporting Program (Attachment C), each Permittee must annually demonstrate on a catchment (i.e. sub-watershed) basis that no net increased loading in fine sediment particle, total nitrogen, and total phosphorus will result from any land-disturbing activity permitted in the catchment.

E. Operation and Maintenance of Storm Water Facilities

Permittees shall operate and maintain storm water facilities to ensure, at a minimum, that baseline loading conditions specified in Table IV.B.1 are not exceeded anywhere in their jurisdiction, not just in registered catchments.

F. Pollutant Load Reduction Progress

To demonstrate pollutant load reduction progress, each Permittee shall submit a Progress Report by **March 15, 2013**. The Progress Report shall include:

1. Documentation of all projects the Permittee completed between the May 2004 and October 2011.
2. Pollutant load reduction estimates for all projects and any other load reduction actions up to October 15, 2011. The report shall compare the pollutant load estimates for work completed with the pollutant load reduction requirements described in Section IV.B above.

G. Pollutant Load Reduction Monitoring Requirements

Permittees shall comply with all monitoring and reporting requirements in Part Section I of the Monitoring and Reporting Program (Attachment C).

V. Receiving Water Limitations

The Permittees shall comply with discharge prohibitions and receiving water limitations in Sections I and II of this Permit through timely implementation of control measures and other actions to reduce pollutants in the discharges in

Comment [adw18]: This is actually an extremely stringent requirement. Is this true for every catchment, or only monitored catchments? Can credits be traded such that in some catchments this does not need to be achieved?

Comment [adw19]: Pollutant reduction projects? Any BMPs? Clarify what "projects" you're asking for.

accordance with the Permittees' SWMPs and other requirements of this Permit, including any modifications. The Permittees' SWMPs shall be designed to achieve compliance with the requirements of Sections I and II of this Permit. If exceedances of water quality objectives or water quality standards (collectively, WQS) persist notwithstanding implementation of the SWMPs and other requirements of this Permit, the Permittees shall assure compliance with discharge prohibitions and receiving water limitations in Sections I and II of this Permit by complying with the following procedure:

- a. Upon a determination by either the Permittee or the Water Board that discharges are causing or contributing to an exceedance of an applicable WQS, the Permittee shall promptly notify and thereafter submit a report to the Water Board that describes Best Management Practices (BMPs) that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any pollutants that are causing or contributing to the exceedance of WQSs. The report may be incorporated into the annual report required under Section IV of the Monitoring and Reporting Program (Attachment C) unless the Water Board directs an earlier submittal. The report shall include an implementation schedule. The Water Board may require modifications to the report.
- b. Submit any modifications to the report required by the Water Board within 30 days of notification.
- c. Within 30 days following approval of the report described above by the Water Board, the Permittee shall revise their SWMP and monitoring program to incorporate approved modified BMPs that have been and will be implemented, implementation schedule, and any additional monitoring required.
- d. Implement the revised SWMP and monitoring program in accordance with the approved schedule.

So long as the Permittee has complied with the procedures set forth above and are implementing their revised SWMP, the Permittee does not have to repeat the same procedure for continuing or recurring exceedances of the same receiving water limitations unless directed by the Water Board to develop additional BMPs.

VI. Table of Required Submittals

Submittal	Permit Section	Submittal/Required Completion Date
Statement of Legal Authority	III.A	March 15, 2012
Pollutant Load Reduction Plan	IV.C	March 15, 2013

Comment [adw20]: You must include this standard receiving water limitations language required by State Board WQ 99-05 (http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/1999/wq1999_05.pdf) to be included in all MS4 permits.

Amended Stormw <u>Water</u> Management Plan	III.B	March 15, 2013
Pollutant Load Reduction Progress Report	IV.E	March 15, 2013
<u>Monitoring Results and Reports</u>	<u>Attachment C</u>	<u>As specified in Attachment C</u>

Comment [adw21]: May want to expand for each submittal required under the MRP.

All terms of the attached Monitoring and Reporting Program (Attachment C) are incorporated by reference as requirements under this permit.

VI. Administrative Provisions

- A. The Regional Board reserves the right to revise any portion of this Order upon legal notice to and after opportunity to be heard is given to all concerned parties.
- B. Each Permittee shall comply with the Standard Provisions, Reporting Requirements, and Notifications contained in Attachment F of this Order. This includes 24 hour/5 day reporting requirements for any instance of non-compliance with this Order as described in section B.6 of Attachment F.
- C. All plans, reports, and subsequent amendments submitted in compliance with this Order shall be implemented immediately (or as otherwise specified) and shall be an enforceable part of this Order upon submission to the Regional Board. All Permittee submittals must be adequate to implement the requirements of this Order.
- D. This Order expires on **November 9, 2016**. The Permittees must file a report of waste discharge in accordance with Title 23, California Code of Regulations, no later than 180 days in advance of such date as application for an updated Municipal NPDES Permit.

I, Harold J. Singer, Executive Officer, do hereby certify that the forgoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Lahontan Region, on November 12, 2011.

HAROLD J. SINGER
EXECUTIVE OFFICER

- Attachments:
- A. Fact Sheet
 - B. Pollutant Load Allocation Tables
 - C. Monitoring and Reporting Program
 - D. Lake Clarity Crediting Program Handbook V1.0
 - E. Selected Water Quality Objectives
 - F. Compliance with Water Quality Objectives
 - G. Standard Provisions, Reporting Requirements, and Notifications