

**California Regional Water Quality Control Board, Los Angeles Region**  
**January 24, 2002**  
**449<sup>th</sup> Regular Board Meeting**  
**Los Angeles, California**

- ITEM:** 10.4
- SUBJECT:** General Waste Discharge Requirements (WDRs) for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites.
- PURPOSE:** To conduct a public hearing to allow any interested parties to submit comments regarding the tentative General Waste Discharge Requirements (WDRs) for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites. Following the hearing, staff will ask the Board to adopt the General WDRs and the Resolution approving the environmental checklist and adopting a Mitigated Negative Declaration for the General WDRs.
- DISCUSSION:** Petroleum hydrocarbon fuel and/or volatile organic compounds contaminate groundwater at various sites throughout the Los Angeles Region and cause or threatens to cause adverse impacts to existing and potential beneficial uses of the region's groundwater resources. Remediation/cleanup of groundwater at these sites includes the use and application of chemical, biological, and physical treatment processes, such as oxygen enhanced process, chemical oxidation, nutrient or chemical addition for enhanced biodegradation, or groundwater pump and treat technology with the return of treated groundwater to the same aquifer zone in some cases.
- The tentative general WDRs were prepared to establish eligibility, criteria, discharge prohibitions and limitations for the discharge to groundwater of remediation compounds and similar discharges. The tentative general WDRs also authorize the Executive Officer to prescribe a Monitoring and Reporting Program for each discharger to ensure compliance with the discharge requirements. In accordance with the California Environmental Quality Act (CEQA), staff has prepared an Initial Study and a Mitigated Negative Declaration to identify the environmental settings and any significant or potentially significant environmental effects and describe mitigation measures (Tab.10.5.5). A tentative Resolution for approving the Environmental Checklist and adopting a Mitigated Negative Declaration was also prepared (Tab.10.5.6).
- APPLICABILITY:** Enrollment under the tentative general WDRs will be for existing and future discharges to groundwater of remediation compounds from the cleanup of petroleum hydrocarbon fuel and/or volatile organic compound impacted sites and similar discharges, that include re-injection, percolation or infiltration of treated groundwater from a pump and treat remediation system(s).
- CONCLUSION:** The adoption of general WDRs would: a) simplify the application process for dischargers, b) allow more efficient use of limited Regional Board staff time, c) reduce Regional Board time by enabling the Executive Officer to notify the discharger of the applicability of the general WDRs, d) enhance the protection of surface water quality by eliminating the discharge of wastewater to surface waters, and e) provide a level of protection comparable to individual, site-specific WDRs.
- RECOMMENDATION:** Staff recommends that the Board adopt the general WDRs and the Resolution, as proposed.

