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## San Francisco Bay Regional Water Quality Control Board

### Notice of Implementation of Corrective Action Plan for

### **Loch Lomond Marina West Jetty Loch Lomond Drive, San Rafael**

July 2015

#### **Summary**

The California Regional Water Quality Control Board, San Francisco Bay Region (Water Board) is notifying close neighbors about remediation activities about to happen at the West Jetty of Loch Lomond Marina in San Rafael, California

Prior leaks from storage tanks containing fuel (jet fuel that was formerly used for racing boats, and gasoline) and distribution system caused fuel hydrocarbon contamination. The corrective action plan consists primarily of the removal of fuel-impacted soil at the west jetty (Figure 1) to reduce the likelihood of contamination of the bay waters.

#### **Background**

Loch Lomond Marina is located at Point San Pedro Road and Loch Lomond Drive in San Rafael. It was constructed in the early 1960s and is currently a small boat marina. Formerly, there were fuel storage tanks on the west jetty. Tests of the soil and groundwater on and near the west jetty have indicated that fuel hydrocarbons (including gasoline and jet fuel) impacted shallow soil and groundwater in the vicinity of the former tanks and piping.

Thorough environmental investigations have been conducted by the property owner in the west jetty area under the oversight of the Water Board.

#### **Site Remediation Plan**

Soils in areas of identified contamination will be excavated to the water table. The excavated soil is expected to involve the removal of approximately 180 semi-truck loads of soil. An appropriate traffic control plan will be implemented during periods of extra truck traffic. During excavation, air will be

regularly monitored and dust will be strictly controlled. An odor mitigation plan has been prepared to reduce odors from the excavation or the stockpiled soil.

If product is found floating on groundwater in the excavation it will be removed. Groundwater will be treated by adding an oxygen releasing compound to the water which will promote biodegradation of dissolved fuels.

All work will be conducted in accordance with a Site-Specific Health and Safety Plan designed to protect on-site workers, nearby populations, and animals. Workers involved in the cleanup will be trained in hazardous waste operations. The excavation phase is scheduled to begin in early August and should be completed within approximately three weeks during the working hours of 7 a.m. to 6 p.m., Monday through Friday. All excavations will be property backfilled with clean soil. Wet contaminated soil will be stockpiled until dry enough to transport and properly disposed off-site. Trucks carrying contaminated soil will be covered before leaving the site.

Once the excavation activities have been completed, soil samples will be collected for laboratory analysis. Water Board staff will review these sample data. The results of the remedial excavation activities will be documented in a report to be submitted to the Water Board.

#### **Water Board Oversight Process**

The Water Board oversees more than 3,000 site cleanup cases in the Bay Area, including more than 2,000 leaking fuel tank cases. Water Board staff

direct investigation or cleanup work and set cleanup standards under Water Code authority. Responsible parties (e.g., past operators) propose specific measures, perform the actual work, and submit technical reports documenting the results.

**Information Repositories**

The remedial plan documents are available for public review at the following locations:

California Regional Water Quality Control Board -  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612  
Tel: (510) 622-2300

State Water Resources Control Board website:  
[http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0604100064](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0604100064)

**For More Information**

If you have questions please contact:  
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or

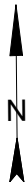
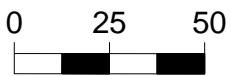
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Former  
Fuel USTs

Proposed  
Excavation Area

Approximate  
Scale in Feet



**geologica**

Oakland, CA

**Loch Lomond Marina  
West Jetty  
San Rafael, California**

**Figure 1**

Proposed Remedial  
Excavation Area