



FACT SHEET ON ENVIRONMENTAL POST-REMEDIAL ACTIONS

575 Paseo Grande, San Lorenzo, CA 94580

Fuel Leak Case No. RO0000167

Geotracker Global ID T0600102098

November 29, 2018

Site Remediation Summary

This fact sheet has been prepared to inform community members and other interested stakeholders of a proposed post-remedial action at property located at 575 Paseo Grande, San Lorenzo, California. The owner of the property, David D. Bohannon Organization (Bohannon), is proposing a one-time limited injection of oxygen and nutrients to further reduce hydrocarbon concentrations in shallow groundwater beneath Paseo Largavista as part of the final site closure activities.

Site Background

The site is located in a mixed commercial/industrial and residential area of San Lorenzo, is approximately 0.38 acres in area, and occupies assessor parcel number 412-31-93. It is bounded by Paseo Largavista to the west, Paseo Grande to the south, a vacant commercial property to the east, and residential property to the north.

The Site was a gasoline station prior to 1969. Little information is known about the site history related to its use as a gasoline service station. Former soil and groundwater contamination source areas on-site included the former tank pit, approximately 110 feet of fuel delivery system piping, and a grease sump and/or hydraulic lift pit in an area which may have been the former service garage. In 1995 the former tank pit and former grease sump were over-excavated and the system piping was removed. The site has been vacant since 1996.

Due to the presence of contamination associated with the former petroleum service station, a number of investigations and remedial actions were conducted between 1996 and 2016. The most recent investigation results have confirmed that remediation of soil and groundwater at the Site has achieved remedial objectives based on the current on-Site and off-Site land uses. There is no current or likely future threat to human health or the environment associated with the residual hydrocarbon impacts which remain in the sub-surface. On-site land use controls will be put in place to allow for potential future development.

Proposed Actions

A one-time targeted post-remedial action is proposed to further reduce hydrocarbon concentrations in shallow groundwater beneath Paseo Largavista as part of the final site closure activities. The proposed post-remedial action includes the injection of air and nutrients to enhance the *in-situ* biological treatment of residual petroleum hydrocarbons in groundwater. The objective of the proposed injection event is to provide a conservative supplement to the already

completed groundwater remedial actions as a final component of the closure process.

Bohannon is proposing to inject air and nutrients into the groundwater at depths between 12 and 16 feet below ground surface (bgs). The oxygen and nutrients will encourage the growth of pre-existing hydrocarbon degrading bacteria. The added oxygen/nutrients will encourage the bacteria to consume the hydrocarbons and produce carbon dioxide and water as a result.

The plan includes injecting oxygen/nutrients at sixteen different points in an 80 foot by 20 foot area within the roadway of Paseo Largavista. The oxygen/nutrients will be injected at a low rate and pressure, less than 1 cubic foot per minute (cfm) and less than 5 pounds per square inch (psi). All work will be carried out in a manner designed to be protective of the environment and the local community.

What this Means To You

During the injection activities part of the roadway may be blocked by trucks and equipment. A traffic plan approved by Alameda County will be employed to ensure the safe flow of traffic in the area. Equipment noise associated with the injections is anticipated to be moderate during working hours. The work will be conducted between 9:00 and 4:00, Monday through Friday and is expected to take less than ten working days to complete.

Next Step

Bohannon will work with Alameda County Department of Environmental Health (ACDEH) to implement the Post-Remedial Work Plan, prepared by their consultant Stantec Consulting. The public is invited to review and comment on the proposed post-remedial action. The plan is available on the State Water Resources Control Board's GeoTracker website (<http://geotracker.waterboards.ca.gov/>).

Please send written comments regarding the site or the post-remedial action to Mark Detterman of the ACDEH, or Eva Hey of Stantec Consulting, at the address listed below. Please refer to ACDEH case RO0000167 in any correspondence. **All written comments received by January 4, 2019** will be forwarded to the Responsible Party and will be considered and responded to prior to a final determination on the proposed post-remedial actions.

For Additional information, please contact:

Mark Detterman	Eva Hey
Alameda County Department of Environmental Health	Stantec Consulting
1131 Harbor Bay Parkway	1340 Treat Blvd., Suite 525
Alameda, CA 94502	Walnut Creek, CA 94596
Phone: 510-567-6876	Phone: 925-241-1400
E-mail: mark.detterman@acgov.org	E-mail: eva.hey@stantec.com

