Notice of Proposed Corrective Action
for
U.S. Coast Guard Training Center Skeet Shooting Range
599 Tomales Road, Two Rock (Petaluma), CA 94952
Case Number 1TSO140
Sonoma County

Internet Posting Date: **December 29, 2022**
End of Comment Period: **January 31, 2023**

This notice invites the public to review and comment on the pending decision to implement corrective action to remediate lead and polycyclic aromatic hydrocarbons (PAHs) in soil at the Skeet Shooting Range at the southeast portion of the US Coast Guard (USCG) Training Center, located at 599 Tomales Road, Petaluma. Corrective action measures have been proposed in the USCG's Draft Final "Remedial Investigation and Feasibility Study (RI/FS) and will be implemented after the close of the public comment period unless new and significant information is submitted indicating that the proposed corrective needs revision. A copy of the Draft Final RI/FS can be accessed here:
https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/3500867545/Draft_Final_TRACEN_RIFS_Report_073021_signed.pdf

Problem Description

The former skeet shooting range on the USCG Training Center occupies approximately 30 acres near the intersection of Pennsylvania Avenue and Spring Hill Road. The range was used from 1958 to 2011 and had from two to five firing stations over the course of that time. Access to the Site is currently restricted by a fence with posted warning signs. Lead shot and clay target fragments were recovered from a portion of the site (approximately 1.7 acres) in 2007. A Human Health Risk Assessment (HHRA) was prepared as part of the RI/FS and identified arsenic, antimony, lead, and carcinogenic PAHs as Chemicals of Concern (COC) present in shallow soils at the site.

Site Characterization

Site characterization activities have included soil sampling using incremental sampling methodology (ISM); the collection of discrete samples of surface water, sediment, plant tissue, and soil; and the collection of discrete background soil samples and grab groundwater samples from off-site locations within the USCG's Training Facility. Characterization activities included an evaluation of the nature and extent of contamination, fate and transport of lead pellets, clay shot targets, and mobilization of contaminants from impacted soil. The RI/FS also presented both a HHRA and an Ecological Risk Assessment presenting possible human and ecological exposure scenarios.

Proposed Action

The Draft Final Feasibility Study of the RI/FS identified and screened remedial action technologies and presented a detailed analysis of the remedial alternatives in relation to the anticipated future land use of the Skeet Shooting Range site. The chosen Remedial Alternative was Solidification and Biostimiulation/Rhizodegradation of the areas of the site impacted with COCs. The proposed remedial action also includes lead stabilization

and lead recovery as part of the remedial technologies that will be implemented at the site. The USCG has indicated that additional pilot testing will be conducted as part of the remedial design in order to optimize the amount of metal stabilization amendments which will be used at the site. Pilot testing will also be conducted for the biostimulation/rhyzodegradation and solidification technologies prior to full implementation of the proposed remedial actions.

Public Meeting

The USCG will be having a public meeting to present the Draft Final RI/FS and to discuss the proposed remedial action at the Two Rock Elementary School at 5001 Spring Hill Road, Petaluma, on January 12, 2023 at 06:00 PM. The public is invited to attend and comment on the proposed remedial action.

The proposed remedial action will be approved without further notice unless significant public comment is received by January 31, 2023. Please contact François Bush at (707) 543-7348 or francois.bush@waterboards.ca.gov with any questions or comments regarding this project. You may also submit written comments to:

North Coast Regional Water Quality Control Board
Attention: François Bush
5550 Skylane Blvd, Suite A
Santa Rosa, CA 95403

Regional Water Board site records comprise both a paper file and an electronic file. Beginning in 2005, select file material was uploaded to the State Water Resources Control Board's GeoTracker website and is not necessarily included in the paper file. All new file material after 2014 is retained only electronically. The GeoTracker records are available at:
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609700108

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