

# U. S. Coast Guard Training Center (TRACEN) Petaluma

Design/build – stormwater runoff system at Small Arms Firing Range (SAFR)

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## Project Overview

Sustainable Group key personnel performed the design and on-site construction services required to control and treat lead contaminated stormwater that leaves the Small Arms Firing Range (SAFR) at Training Center Petaluma.

## Reference

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Project Manager  
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## Project Description

Prior to this project's completion, lead, copper, zinc, and antimony contamination was observed in both the stormwater runoff and in the soil near the outlet of the stormwater drain pipe at the Petaluma Training Center Small Arms Firing Range (SAFR). This project included the design and construction of several measures to control and treat the lead contaminated storm water as it passes through the facility. Specific elements of work included the CCTV inspection of the existing pipe to determine overall condition, a physical survey of the site as well as a cultural survey, replacement of rotted wood members along the edges of the berms inside the range, installation of semi-permanent BMP silt fence along the base of the berms, and the installation of a sustainable stormwater filtration unit. The treatment system selected was a "Filterra" unit which uses bioretention technology to remove up to 94% of median influent total lead concentrations.

This project was successfully completed on an accelerated construction timeline with a budget savings to the Coast Guard given the innovative low-maintenance design. The key element in designing and installing this system was to ensure that it met all Environmental and Safety standards



Filterra system delivery



Filterra system placement

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**Key Personnel Certifications**

PE, LEED AP, PMP, CFM, QSD/  
QSP

Sustainable Group is a Service  
Disabled Veteran Owned Small  
Business Corporation.

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Operational Filterra unit



Hydroseeding operations

required for compliance with collecting, treating, and disposing of hazardous waste water.

**About Sustainable Group**

Headquartered in Moraga, California, Sustainable Group Inc. is a premier licensed General Contractor (CA #966993, HAZ) providing general construction environmental remediation, demolition, civil site development, and marine construction services. Sustainable Group also offers Leadership in Energy and Environmental Design (LEED) expertise pertaining to renewable energy and sustainable sites, as well as overall facilities management consulting services. Sustainable Group key personnel have over 22 years of experience in successfully executing projects and performing expert facilities management for multiple Federal entities including the Department of Homeland Security, Department of Energy, Department of Defense, Department of Transportation, and the Army Corps of Engineers.

**Let's Discuss Your Needs**

Sustainable Group will become a highly valued and trusted resource that you'll rely upon to consistently provide expert, efficient and professional construction, remediation, demolition, LEED, and facility management consulting services. Contact us at your convenience; we look forward to discussing your needs.

For more information, call us at **925-899-9721**, or email [info@sustainable-group.com](mailto:info@sustainable-group.com).