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NFD POINT MOLATE
SSIC NO. 5090.3

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POINT MOLATE FOCUS

NEWS OF THE NFD POINT MOLATE ENVIRONMENTAL RESTORATION PROGRAMS

ISSUE 11, SPRING 2001

Landfill Cover Design Underway at Site 1

The Navy is taking action at Site 1, the Waste Disposal Area, at Naval Fuel Depot (NFD) Point Molate following Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) guidance. The selected remedy is a soil cover with land use controls, and maintenance and monitoring programs. The action started with an evaluation of four cleanup alternatives in an Engineering Evaluation and Cost Analysis (EE/CA). The most appropriate alternative was selected in the Action Memorandum (AM). This article reviews the design of the soil cover.

Site 1 is an approximate one-acre site located near the center of NFD Point Molate. Site 1 was used as a waste disposal area from the 1950s through the 1970s. Wastes at the site include construction debris, landscaping material, and some oily wastes. Based on investigative trenching and drilling, the estimated volume of fill at the site is approximately 20,000 cubic yards.

The cover was designed to be protective of human health and the environment by preventing exposure to the waste. The California Code of Regulations, as well

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A NEW FACE AT POINT MOLATE



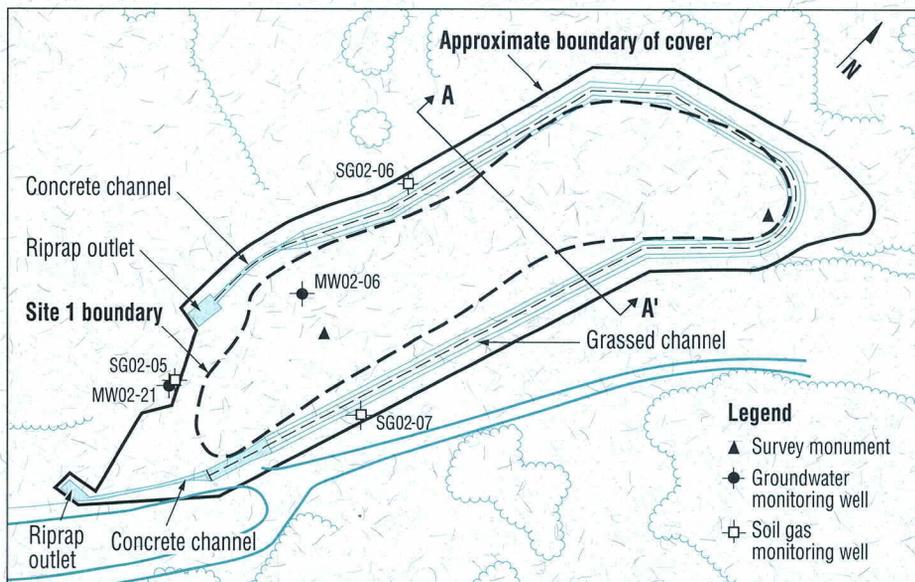
Photo by Don Gosney

There is a new face at Point Molate — she is the new Regional Water Quality Control Board (RWQCB) representative, Ms. Adriana Constantinescu.

Ms. Linda Dorn, the previous RWQCB project manager, has moved to Sacramento and taken a position with the State Water Quality Control Board. The Point Molate team appreciates all the efforts made by Ms. Dorn, and wishes her the best of luck.

Ms. Constantinescu is an Associate Engineering Geologist with over 19 years of professional experience performing a variety of waste management and soil and groundwater projects, all requiring knowledge of geohydrology and engineering geology.

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Landfill Cover Design

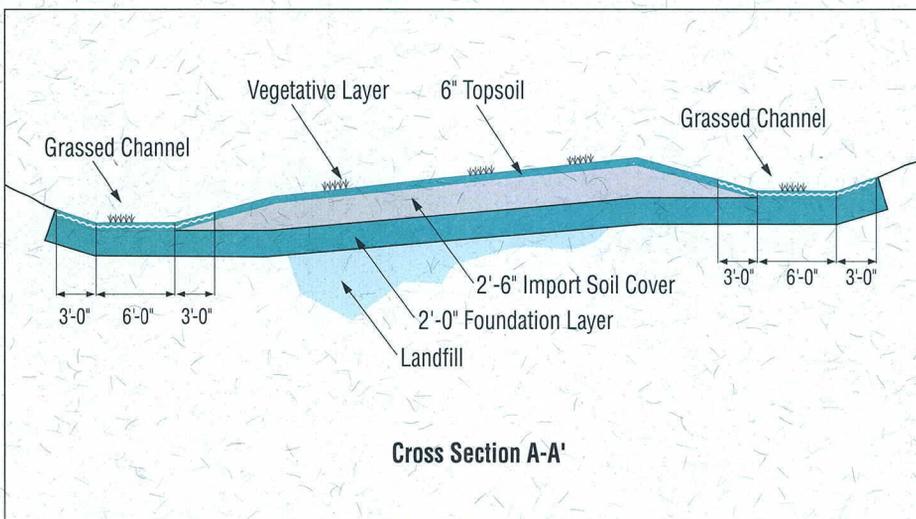
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as future land use and regulatory and community input, were considered in drafting the design. The design includes site preparation, a foundation layer, an imported soil cover, a vegetative layer, surface water drainageways, and monitoring systems.

A smooth working surface will be prepared by removing surface debris, brush, and trees, and abandoning some monitoring wells. Once the surface is prepared, a foundation layer will be constructed by regrading and recompacting existing site soils. This

cover, short stretches of concrete channels through steep slopes, and riprap at the outlets of the drainage channels. These design features are shown on the figure on Page 1.

Quarterly methane monitoring is being conducted to identify areas of concern and evaluate whether methane venting will be included in the final design. The design currently includes monitoring systems for methane, groundwater, and movement of the cover. The methane monitoring system includes perimeter monitoring wells



foundation layer will provide a stable surface to hold the imported soil cover. The imported soil cover will include 2.5 feet of clean soil and 0.5 feet of topsoil to support plants. The final layer of the cover will be the vegetative layer, composed of a mixture of native grasses. The cover layers are illustrated in Cross Section A-A'.

Drainageways will collect and drain surface water away from the cover to prevent erosion. These drainageways consist of grass-lined channels with erosion control matting around the majority of the

to check for migration of methane. The groundwater monitoring system will consist of three wells to monitor groundwater quality above, inside, and below the site. Movement of the cover will be monitored using survey monuments located on the cover's surface.

Regulatory agencies and community members have provided input on the draft design. The final design is scheduled to be submitted in Summer 2001. Construction should begin in Fall 2001 with an anticipated duration of two months.

A New Face

CONTINUED FROM PAGE 1

"I am really happy to join the Navy and the environmental consultant team performing the environmental remediation at the NFD Point Molate and changing this place into a jewel of the San Francisco Bay area."

—Adriana Constantinescu

She has completed soil and groundwater studies at hazardous waste sites and active/closed landfills throughout California. Ms. Constantinescu has extensive experience in the assessment and remediation of leaking underground storage tank sites, having worked closely with engineers and geologists from major oil companies on numerous gasoline stations in northern and central California.

The Point Molate team is very glad to have Ms. Constantinescu as a member of the team, and looks forward to working with her on the cleanup of Point Molate.

DR. STEPHEN LINSLEY

A Continuous Quest for Knowledge Benefits Point Molate RAB



Query: What do a bear, a wolf and a badger all have in common?

Answer: These animals all served as mascots at universities that Steve Linsley attended.

With that kind of exposure during the formative years, it should come as no surprise, then, that Steve is such a defender of the wilds.

Born and raised in famed Peoria, Illinois, Steve joined a Catholic religious order as a Brother in Arlington Heights and Chicago for five years. With this type of devotion, it should be no wonder, then, that Steve should find himself at Loyola University in Chicago where he earned a B.S. in chemistry.

By Steve's own admission, he's been in school a lot. After doing his graduate work in Biochemistry at the University of Wisconsin and UC Berkeley, he's continued his quest for knowledge and picked up a certificate in Hazardous Materials Management through UC Berkeley Extension.

Like many before him, Steve came to the Bay Area for what should have been a short stay and planted his roots.

Steve has worked for the City of Richmond since 1979 and presently serves as the Laboratory Supervisor at the Wastewater Plant adjacent to Point Richmond. Besides running the treatment plant lab, Steve is responsible for overseeing the treatment of industrial waste that goes into the sewers in the southern half of the city, as well as into the storm drains everywhere in the city limits.

As a part of that responsibility, he serves with groups that deal with hazardous materials and storm water issues throughout the county, from the Green Business Program to creek testing.

Steve also spent some time with the West County Toxics Coalition and now serves as an environmental representative on the County's Hazardous Materials Commission.

When the RAB recruiters were sending out solicitations for community members to join, the West County Group of the Sierra Club asked him to apply. Steve has been with the RAB since the very beginning and has been one of the most important members of the group. His participation on the Technical Document Review Committee (TDRC) has been invaluable in that he has the expertise and interest to read and review data that would put a lesser person to sleep.

Steve has worked with regulatory agencies long enough to understand how the system works and has used that expertise to help guide the RAB in the right direction and ensure that the community ends up with a Point Molate it can benefit from. Steve shares the same concerns as many in the community that, unless they stand vigilant, the site may not be cleaned to the level the community

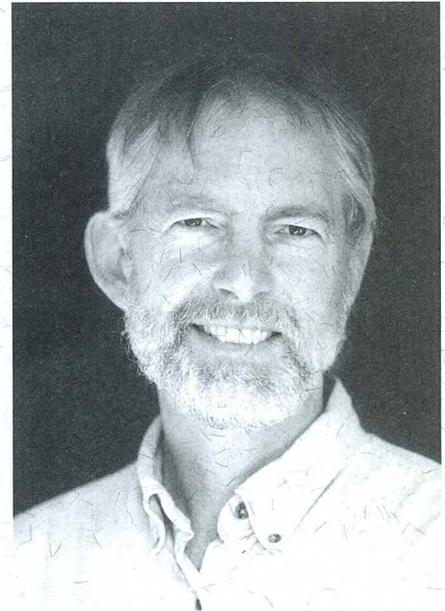


Photo by Don Gosney

desires. Steve credits the TDRC with helping to be the RAB's voice of conscience and to keep the rest of the RAB informed of what's happening at Point Molate by providing alternative perspectives on the issues.

When not overseeing the treatment of the City's wastewater, or working on the RAB, Steve spends time oil painting and writing fiction. Along with his lovely wife, Rose, Steve has recently traveled the Egyptian Nile, safaried in Kenya, and become one with the Big Island of Hawaii. Next year, Steve and Rose plan to cruise up the Amazon in Peru and tour Machu Picchu. Until then, Steve gets to indulge in his real passion and will continue to lead tours of the Bay Area to see wild birds, mammals, butterflies and dragonflies.

Perhaps, when Point Molate is cleaned up and returned to the community, they can benefit from a Steve Linsley tour of the wilds.

Current RAB Members March 2001

Bruce Beyaert
Henry Clark
Elizabeth Dunn
Lucretia Edwards
Sarah Eeles
Gaye Eisenlord
Bunny Ford
Richard Frisbie
Sharon Fuller
Don Gosney
Arnie Kasendorf
Jill Kiernan
Stephen Linsley
Sharon Maves
Nagaraja Rao
Jean Siri
Elinor Strauss
Terry Swartz
Eileen Whitty

You Are Invited to Attend

The Point Molate Restoration Advisory Board (RAB) provides a forum for community members, the Navy, and state and federal regulatory agencies to discuss cleanup issues and approaches. The RAB currently meets at 7:00 p.m. on the first Wednesday of every month at Richmond City Hall Complex, Room #1, Employment and Training Building, 330 25th Street. The meetings are open to the public, and the RAB and the Navy encourage you to attend.

Knowledgeable speakers are also available to discuss Point Molate environmental cleanup issues with your community interest group.



FOR MORE INFORMATION ABOUT POINT MOLATE

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INFORMATION REPOSITORIES

Environmental cleanup site-related documents are available for public review at:

Richmond Public Library

(510) 620-6561
325 Civic Center Plaza
Richmond, CA 94804
Hours: M-W 10 a.m.-8 p.m.
Th & Sat 10 a.m.-6 p.m., F & Su 1-5 p.m.

Richmond City Hall

(510) 307-8157
Richmond Redevelopment Agency
330 25th Street
Richmond, CA 94804
Hours: M-F 8:30 a.m.-5 p.m.

Point Molate Focus

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