



Alameda Point Petroleum Program Update

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David Darrow - Navy Project Manager

John West - Water Board



Introduction

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- Navy Team
 - Derek Robinson (BEC)
 - Bill McGinnis (LRPM)
 - Dave Darrow and Jacques Lord (RPMs)
- Water Board Team
 - David Elias
 - John West
 - Myriam Zech
 - Adriana Constantinescu



Water Board Update

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- Program staffing increased 2012 to provide additional Navy support
- Current Status of WB Site Closure Summary Review
- State Water Resources Control Board Resolution No. 2012-0016 (2012)
 - Establish consistent statewide closure criteria for low-threat petroleum UST sites and to increase process efficiency.
 - Consistent with existing statutes, regulations, State Water Board precedential decisions, policies and resolutions
 - To provide clear direction to RPs and regulatory agencies.
 - Improved efficiency = preserve limited resources for cleanup where it is most needed.



Alameda Point Petroleum Program Overview

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- Alameda Point Petroleum Program status was summarized in the 2010 Petroleum Management Plan (PMP). The PMP was updated in 2012.
- Since 1990, 68 petroleum program sites have received NFA concurrence from the WB and are now closed.
- Current inventory of the Alameda Point Petroleum Program is 221 open sites or “Features” (known or potential petroleum releases), including:
 - 3 Areas of Concern (AOCs)
 - 70 Above Ground Storage Tanks (ASTs)
 - 21 Corrective Action Areas (CAAs)
 - 5 Generator Accumulation Points (GAPs)
 - 15 Oil/Water Separators (OWS)
 - 70 Underground Storage Tanks (USTs)
 - 2 Waste Discharge (WD) areas
 - 7 Miscellaneous sites
 - 28 Fuel Lines (FLs)



Site Closure Summary Status

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- Since 2011, the Navy has prepared 65 Site Closure Summaries requesting closure of a specified feature.
 - 11 sites have been closed
 - 48 site closure summaries remain in WB review
 - 1 site closure summary will be re-evaluated
 - Other Petroleum Program “sites” that were incorrectly added to Petroleum Inventory, need WB input on what paperwork is needed to close sites



Site Closure Summaries

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- Site Closure Summary
 - Agency info
 - Site info
 - Release and Site Characterization info
 - Treatment and disposal info
 - Contaminant concentration info (before and after cleanup)
 - Closure determination
 - References (documents/correspondence supporting closure).
 - Attachments (fact sheets, lab data summary, etc.)



Petroleum Field Work - Status CAA 4C and CAA 5B West

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- CAA 4C

More remediation is needed at CAA 4C.
AS/SVE expected to begin March 2013.



- CAA 5B West

Remediation complete. Groundwater will be monitored 2x yearly under the Petroleum Program groundwater monitoring program to develop case for closure.





Petroleum Field Work - Status CAA 6 and CAA 7

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- **CAA 6**

More remediation is needed at CAA 6. FP bailing to begin March 2013.



- **CAA 7**

More remediation is needed at CAA 7. AS/SVE to begin March 2013.





Petroleum Field Work - Status CAA 11 and Bldg 410

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- **CAA 11**

More remediation is needed at CAA 11.
No action is currently planned for CAA 11.



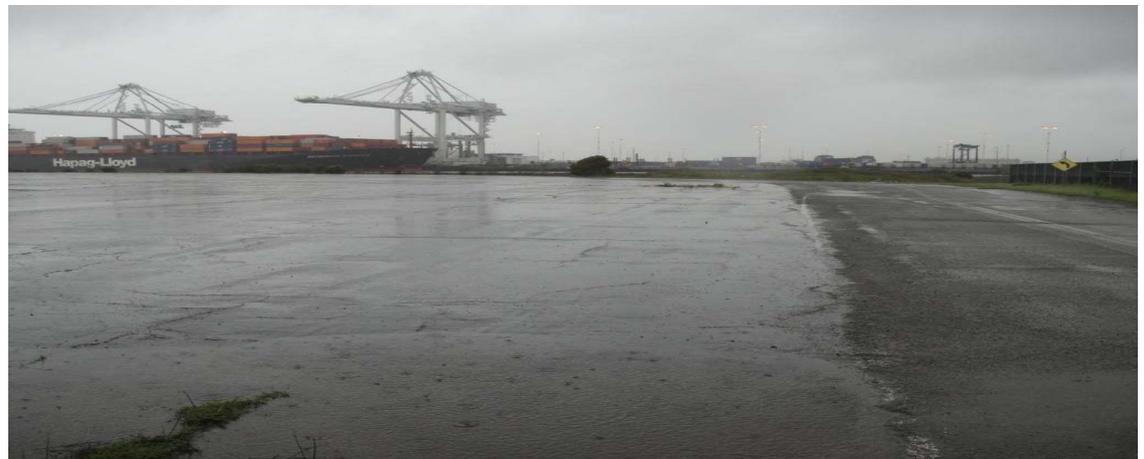
- **Building 410**

More remediation is needed at Bldg 410.
AS/SVE to begin March 2013.



- **AOC 23G**

Remediation complete.
Closure package for the AOC
to be submitted 2013.





2010-2013 Data Gap Investigation (DGI)

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- Purpose of the DGI is to “implement” the 2010 PMP.
- 73 Petroleum Features Assessed based on usage
 - 663 soil samples
 - 209 groundwater samples
 - 32 petroleum features determined to be suitable for closure
 - 15 petroleum features within CAA11 may be suitable for closure, fuel lines need to be evaluated
 - 26 petroleum features require additional investigation
- Option 2 Awarded in 2012. Will include assessment of 22 additional features.
 - Selection of features will be selected based on prior criteria, presumed little to no petroleum impact and selected to support the current FOST effort and priority sites as specified by the City
 - Field work anticipated to begin April 2013



DGI Field Work 2011

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Sampling Along FL-125 at West Atlantic and Ferry Point (Looking North)



Hand Auguring Upper 5 Feet at ASTs 037A to D



Direct Push Sampling at UST 37-13 to 16



Coring Through Hangar 23 Floor for AST 540



2012-2014 Petroleum Field Work

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- Navy recently awarded a contract for continued groundwater monitoring of Petroleum Program sites CAA C, 4C, 5B West, 6, 7, and Bldg 410
- Planning documents in preparation.
- Field work anticipated to commence March 2013.
- In addition to Petroleum Program groundwater monitoring, this contract will also include corrective actions at CAA 4C, 6, 7, and Bldg 410.
- Corrective action at sites CAA C, 4C, 5B West, 7, and Bldg 410 to include air sparge with soil vapor extraction.
- Corrective Action at CAA 6 will consist of FP bailing initially and additional corrective active, if warranted.