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Petroleum Program Update

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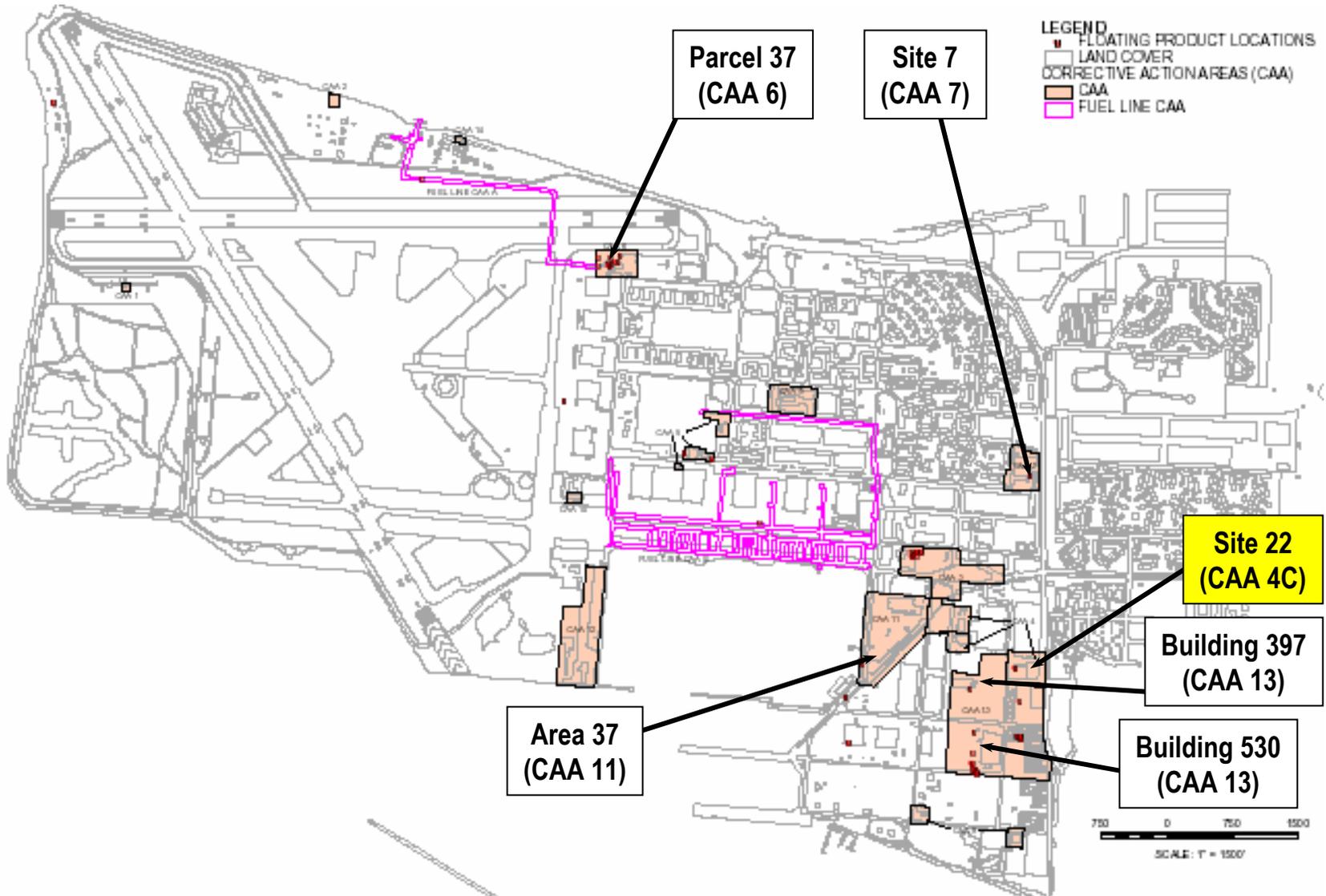
Corrective Action Update

- Four corrective actions are in operation since 2002.
 - Jet Fuel Removal near Building 397 (in CAA 13)
 - Jet Fuel Removal at Parcel 37 (CAA 6)
 - Gasoline Removal at Site 7 (CAA 7)
 - Gasoline Removal near Building 530 (in CAA 13)
- One corrective action, a dissolved-phase fuel cleanup at Area 37 (in CAA 11) has recently started up.
- One corrective action, a gasoline cleanup at Site 22 (CAA 4C) is currently in planning.
- Future corrective action plans will be developed.



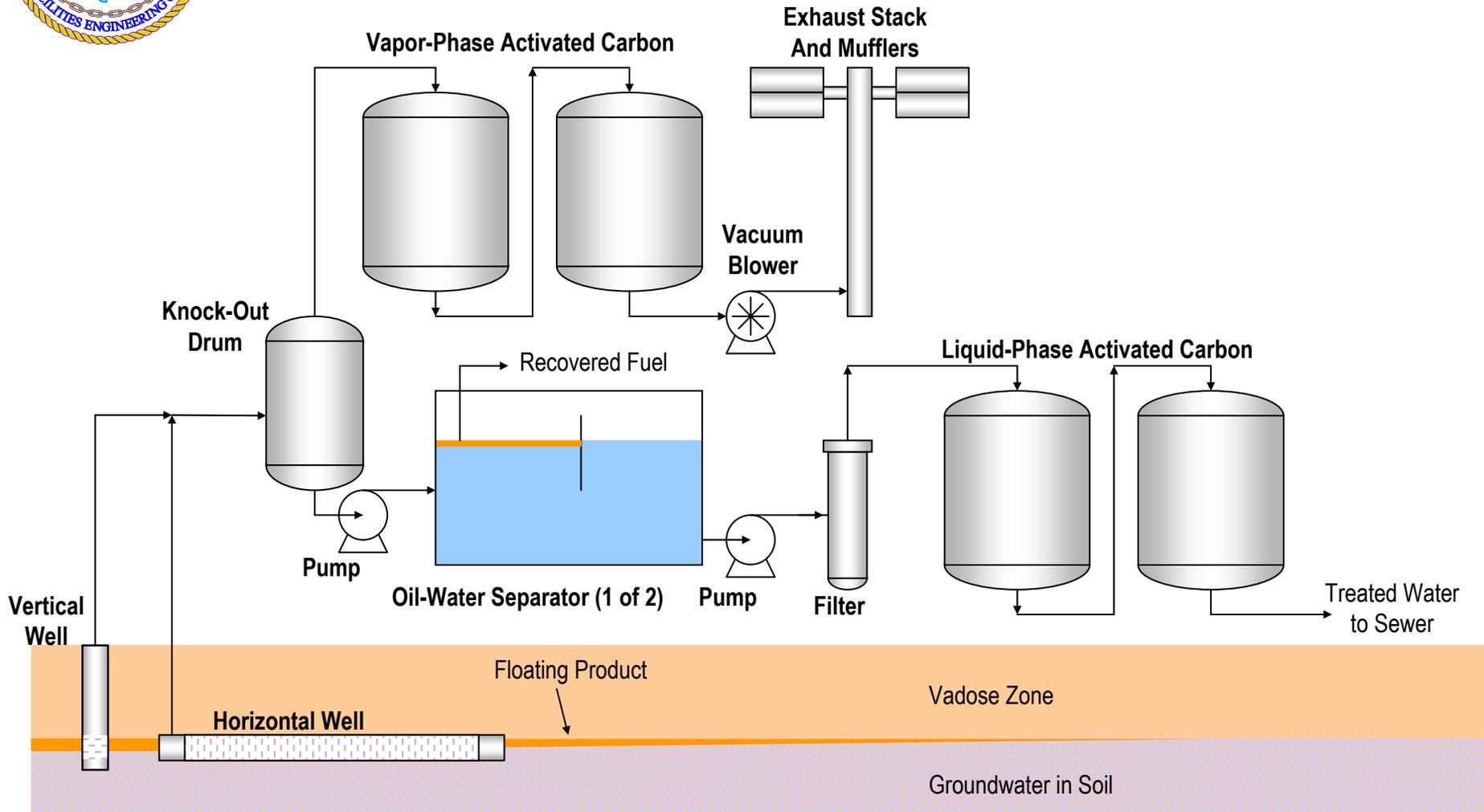
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Current Corrective Action Areas





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Dual Vacuum Extraction Process

Building 397

Jet Engine Test Cells (in CAA 13)

- Original jet fuel spill in 1992.
- Although several excavations and storm drain removals followed over the next several years, floating product was found near the building in 2000.
- A Dual Vacuum Extraction system was constructed and began operation in March 2000.
- Through February, approximately 1,100 pounds of jet fuel have been removed.
- The system also handles vapor, free product, and groundwater from the Building 530 well field.

Site 7

Navy Exchange Gas Station (CAA 7)

- Gasoline free product and groundwater contamination was present at the site. MTBE is present in the groundwater, but the MTBE plume is relatively limited.
- A Dual Vacuum Extraction system was constructed and began operation in May 2002.
- In June 2002, the above-ground treatment system also began treating vapor from groundwater air sparging.
- As of March 2003, approximately 8,700 pounds of gasoline have been removed.

Parcel 37

Aircraft Fuel Storage Area (CAA 6)

- Operated until 1997.
- Jet fuel free product remained (up to 1 foot), in spite of an excavation and tank/piping removal in 1998-1999.
- Dual vacuum extraction system constructed for free-product removal. Operation began in March 2002.
- As of December 2002, approximately 3,900 pounds of jet fuel have been removed.
- The system is currently shut down for rebound.

Building 530

Aircraft Defueling Area (in CAA 13)

- The lot west of Building 530 was used as an area for draining fuel out of aircraft prior to maintenance.
- Fuel apparently leaked out of the collection system into the underlying soil.
- The free-product well field was connected into the Building 397 DVE treatment system and started operation in late October 2002.
- As of March 2003, approximately 15,100 pounds of fuel (primarily gasoline) have been removed.
- Air sparging of groundwater will begin when free product has been removed.

Area 37

Fuel Storage Area (in CAA 11)

- 24 underground tanks were used to store a variety of petroleum products and wastes.
- Four separate groundwater plume areas have been identified.
- A biosparging treatment system began operation in mid-March 2003. Biosparging relies on pumping a low flow rate of air into the soil and groundwater to create aerobic conditions so that natural bacteria will break down the contaminants.



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Site 22

Former Service Station (CAA 4C)

- The service station at Main Street and Pacific Avenue was operated before the NEX service station at Site 7 (CAA 7).
- Gasoline constituents have been identified in the soil, groundwater, and as free product.
- We expect to construct free-product and groundwater well fields and connect the well fields to the treatment system at Building 397.



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TPH Removed

