Mare Island RAB Update

October 2007

DOCUMENT STATUS

The following document submittals and/or agency review actions are planned for the upcoming months:

- Agency comments: Western Magazine Area Outfall Radiological Survey Workplan
- Agency Comments: H1 Post-Closure Plan
- Conceptual Site Model, Western Magazine Area and Investigation Restoration Site 5 (IR05)
- Western Early Transfer Parcel Remedial Action Plan 5-Year Review
- Draft Final IR-05/WMA Remedial Investigation

IA-H1 UPLAND HOT SPOT SOIL REMOVAL AND CONSOLIDATION

All 58 identified hot spots at IA-H1 have been excavated and confirmation sample results indicate that all hot spots are now below the applicable cleanup criteria. Pending regulatory review of the recent confirmation sample results, the remaining excavated hot spot areas will be backfilled with soil that has been tested and approved for use as fill. Over 200,000 cubic yards of soil were excavated and consolidated under the engineered cap within the 72 acre IA-H1 Containment Area.

IA-H1 CONTAINMENT AREA GRADING ACTIVITIES

WESTON continues to work on grading activities to achieve the design elevations and slopes using soil from the hot spot excavations, Pond 4S soil, and excavated material from the recently approved Time Critical Removal Action for use as subgrade under the cap. The material is transported and placed by off-road haul trucks. A dozer spreads the material into 1-foot thick lifts, which is then compacted with a 20-ton sheepsfoot compactor. Final grading of the subgrade is conducted using the motor grader and a smooth drum roller.

USS WAHOO MEMORIAL SUPPORT

WESTON's Larry Maggini, a former shipyard worker, prepared a detailed slide presentation of historical photos of the USS Wahoo construction on Mare Island and its crewmembers and missions. Larry presented the slides at St. Peter's Chapel as part of the memorial service for the USS Wahoo crew.

Subgrade preparation prior to installation of geosynthetic layers

IA-H1 CONTAINMENT AREA GEOSYNTHETICS INSTALLATION AND SOIL COVER ACTIVITIES

The geosynthetic cap installation subcontractor is continuing with cap installation activities. To date, 44 of the 72 acre cap (61%) have been completed. The geosynthetic cover system consists of up to four layers depending on the location, including (from bottom to top) a geotextile gas vent layer, geocomposite clay liner, 60-mil high-density polyethylene geomembrane liner, a geocomposite drainage layer, and two-foot soil cover layer which is hydroseeded with native grasses. The work will continue through late December weather permitting.

Installation of geosynthetic layers in progress