



Mare Island RAB Update

February 2009

DOCUMENT STATUS

The following documents were submitted this month for agency review:

- 2008 Annual IA-H1 RCRA/Facility Landfill Groundwater Monitoring Report
- 2008 Annual IA-H1 Wetland Mitigation Area Monitoring Report

Other documents previously submitted to the agencies and under review:

- Western Early Transfer Parcel, Remedial Action Plan 5-Year Review – Draft
- IA-H1 Post-Closure Plan – Draft
- IR-05/WMA Conceptual Site Model - Draft

Documents being prepared for submittal include:

- IR-05/WMA Munitions Response Completion Report – Draft

IR-05 SOIL EXCAVATION UPDATE

The Navy and WESTON continue to await a biological opinion (BO) under development by the U.S. Fish and Wildlife Service (USFWS) to allow excavation of remaining soil hot spots within the pickleweed habitat portions of IR-05. After obtaining the BO, it is likely that the remaining excavation will have to wait until late spring to allow the site to dry. The excavated soil will be consolidated within the IA-H1 Containment Area prior to completion of the remaining portion of the engineered cap.

IA-H1 Wetland Mitigation Area Update

WESTON submitted the first annual (2008) monitoring report for the IA-H1 wetland mitigation area. Reports will be prepared for each of the first five years after the wetland mitigation area was graded and planted in 2007, or continue until final performance criteria are met. The 5th year performance criteria require a minimum of 90 percent cover of native wetland plant species (e.g., pickleweed, saltgrass, fat hen, alkali heath), with a minimum of 60 percent cover of pickleweed, and less than 5 percent cover of non-native plant species. The one-year incremental goal is a minimum 10 percent coverage of native wetland plants, 25% coverage after two years, and so on. The actual measured coverage of native wetland plant species after the first full year was 31.4%, therefore development of the new wetlands is progressing well ahead of schedule.



IA-H1 Wetland Mitigation Area (July 08)

IA-H1 CONTAINMENT AREA UPDATE

Recent rains have generated more typical winter site conditions. Field activity related to the remaining portion of the engineered cap (18 acres) will likely begin in late spring (June) to allow site conditions to dry, and to allow consolidation of soil from IR05.



Western slope of IA-H1 Containment Area (Feb 09)

The IA-H1 groundwater extraction system continues to operate normally with effluent well within VSFCD acceptance criteria. Extraction rates have been below 5 gpm, which is considerably lower than initial extraction rates when system operation began in early 2005. The reduced extraction rate was expected, as the engineered cap is designed to eliminate recharge of rainfall into the subsurface beneath the cap. To date over 24 million gallons have been discharged to the VSFCD.