

RCRA Interim Measure Design and Implementation

Chemical Manufacturing Facility, Northern California



interim measure work plan
engineering design
permitting
soil excavation
hazardous waste characterization & disposal
waste consolidation
backfill of former WWTU lagoon

Terraphase provided engineering design, permitting, planning, and construction management for an interim measure of a former wastewater treatment unit at an active chemical manufacturing facility in Northern California.

Pre-construction work included:

- Preparation of an Interim Measure Work Plan
- Agency negotiations
- Preparation of engineering design plans
- Project permitting, including a BCDC permit, County grading permit, and County encroachment permit
- Pre-construction road survey
- Preparation of SWPPP
- Coordination with adjacent property owners, site personnel, and construction contractor.

Construction phase activities included:

- Construction management
- Reinforcing of existing dam with rock
- Consolidation of contaminated sediment
- Excavation, on-site drying and off-site disposal of 500 tons of non-RCRA hazardous waste sediment
- Excavation of 3,300 tons of RCRA hazardous waste soil & 2,200 tons of non-RCRA hazardous waste soil
- Waste characterization and confirmation sampling
- Backfilling of a former lagoon with 54,000 tons of clean soil and 5,900 tons of gravel
- Former caustic tank decontamination and demo
- Surface grading and revegetation
- Stormwater BMP installation and monitoring
- Biological monitoring
- Air monitoring

Post-construction activities included:

- Site survey
- Stormwater monitoring
- Implementation report preparation