

HUMBOLDT BAY POWER PLANT | EUREKA, CA



LVI workers torch cut sections of the 2.7 million gallon fuel tank



143-Acre Shuttered Power Plant



October 2008 - October 2009



\$2,300,000



TRC Customer Solutions



Mechanical Demolition
Torch Cutting Demolition



Hazardous Material Abatement



Debris Recycling



Zero OSHA Recordables

PG&E’s Humboldt Bay Power Plant (HBPP) was repowered to more efficiently meet California’s growing power needs. As part of this effort, LVI abated and demolished shuttered major components of the plant to make room for new facilities, including a 2.7 million gallon liquid fuel oil tank, 4,200-linear-foot fuel oil pipeline, and series of structures, facilities, and underground utilities.

The 143-acre nuclear power plant site was built in the 1950s and operated from 1963-1976 until concerns about newly discovered seismic faults combined with more stringent nuclear requirements following the Three Mile Island accident rendered the small plant unprofitable. In 1988, the nuclear plant went into SAFESTOR status, except for two original fossil-fuel-powered steam-turbine generators, which continued to produce power.

METICULOUS SUBSURFACE DEMOLITION

The underground utilities posed a unique set of challenges. Record drawings of the subsurface conduit locations and the changes that had taken place over the last 50 years could not be located. As a result, the subsurface demolition had to be meticu-

 ZERO OSHA RECORDABLES



Removal of a 4,200 linear foot fuel pipeline



Ground sectioning of large fuel tank panels



Demolition of one of numerous buildings on the 143-acre site

lously executed. Also, pre-project engineering evaluations and procedures included field “hold points” to identify and verify if utilities were ‘live’ so work crews would be safe and avoid disruption to plant operations.

SUSTAINABLE DECONSTRUCTION

LVI recycled or salvaged a total of approximately 95% of the materials removed from the plant, including 920 tons of concrete, 200 tons of asphalt, and 12 tons of metal debris.

FOCUS ON SAFETY

Safety is always LVI’s first priority. A comprehensive Site-Specific Health and Safety Plan (SSHASP) was written for the project and work crews attended twice daily tailgate safety meetings. Here they reviewed potential job hazards and means and methods to mitigate the hazards, which included considerations for heavy winter rains.

REVIVING THE COMMUNITY

As part of the community relations program, LVI utilized the Comprehensive Local Hiring Program and Community Friendly

Diversity Supplier Participation Program to provide employment and training for the local area residents.

Project Managed By LVI Environmental Services Inc., a Hayward, California-based subsidiary of LVI Services Inc. | **Client Contact** David Zarider, Sr. Vice President, TRC Customer Solutions, 123 Technology Drive, Irvine, CA 92618, (949) 466-3146, dzarider@trcsolutions.com