

## Southern California Edison • San Onofre Nuclear Generating Station Operational Plant Services: RETS/REMP/ODCM Modifications

### Project Description

Southern California Edison's (SCE) planning in preparation for decommissioning status of its San Onofre Nuclear Generating Station (SONGS) required technical support for modifications of the radioactive effluent and radiological environmental monitoring programs (RETS/REMP). SCE required additional expertise for tasks such as developing and drafting the successful renewal for SONGS RCRA mixed waste treatment and storage facility permit.

### Scope

BHI RETS/REMP Subject Matter Experts (SMEs) provided technical support for modifications of the radioactive effluent and radiological environmental monitoring programs (RETS/REMP). For two years, our RETS/REMP SMEs drafted annual reports, updated the SONGS Offsite Dose Calculation Manual (ODCM), evaluated and recommended monitoring reductions for RETS/REMP, and provided mentoring for the RETS/REMP Coordinator.

Our support services included:

- Develop, justify, and draft modifications to effluent monitoring and surveillance requirements
- Recommend changes to REMP sampling and frequency to reflect the decommissioning status of the site
- Provide technical support for RETS/REMP-related engineering design change packages and ODCM revisions
- Provide technical support for 50.59 screens and evaluations
- Develop technical basis documents to support and justify changes to the SONGS REMP and RETS program
- Drafting and Issuance of SONGS RCRA Mixed Waste Storage and Treatment Facility Permit Renewal
- Provide technical support for responses to regulator requests for additional information
- Drafting and issuance of the site Environmental Information Forms (e.g., endangered species, hazardous air emissions)
- Provide technical support for identifying coastal impacts for the California Coastal Commission



### Project Resolution

BHI's RETS/REMP services were sought because of our proven record of accomplishment and experience providing these services to operating and other decommissioning nuclear power plants for more than a decade. For this project, we provided a Senior Radiological Engineer/CHP and other technical support for permitting, environmental impact reports, and RETS/REMP/ODCM recommended modifications, all tasks which benefitted from the expertise of the BHI team. BHI completed the project under budget, met the utility's schedule and all regulatory commitments.

## Key Differentiators

- Seasoned and dedicated professionals – experienced resources with strong industry knowledge
- Strong safety performance – No safety issues during this D&D project
- Performance-based model & approach
- Proven and documented cost savings strategies

## BHI's Professional Radiological Services

BHI's Engineering Division is a recognized provider of radiological services and innovative technical solutions. The cornerstone of our success is a "Focus on Clients" philosophy. BHI Engineering repeatedly demonstrates an ability to perform quality work in challenging situations, creating a reputation of completing projects safely, efficiently, and economically. Comprehensive job reviews captures lessons-learned, recommendations for improvement, and client feedback/observations. These data are retained as a work control document for future reference.

BHI Energy has supported every U.S. commercial nuclear plant decommissioning project and every DOE site closure project since 1981. We are a leading provider of decommissioning and dismantlement (D&D) services, with proven experience in all phases of the D&D process – from decommissioning cost estimates and strategies to site characterization and license termination. Our team of D&D professionals has industry-wide recognition for delivering projects on schedule within budget, and in full compliance with regulatory requirements. When executing projects, we understand the importance of safety, planning, and performance to the highest quality standards.

Our D&D services include:

- Project management
- HSA development
- Site-specific release criteria (DCGL) development
- Site characterization planning & implementation
- MARSSIM- & MARSAME-compliant plans & protocols
- FSS program development & implementation
- Specialty coatings
- D&D supplemental staff
- LTP development
- Decontamination technologies
- Groundwater protection program support
- Effluent & Environmental Program Modifications
- Pipe inspections & surveys
- Waste handling, packaging & shipping
- RP program support
- Data management

