



Work Planning & Control

E2 Consulting Engineers (E2) offers an extensive Work Planning & Control (WP&C) resume and our senior managers and consultants are recognized as Subject Matter Experts (SMEs) for WP&C. E2 SMEs routinely lead WP&C process improvement teams and provide effective solutions for our clients. Our personnel understand the essential role WP&C plays in implementing core functions of Integrated Safety Management, while tailoring hazard controls to the work being performed.

WP&C should facilitate an efficient use of resources; applying a graded approach and appropriate use of “skill of the craft” instructions, while reinforcing Environmental Safety & Health (ES&H) programs and the Integrated Safety Management System (ISMS) process.

E2 begins with validating the basis for a graded approach, recognizing that each facility is unique, and poses unique hazards, risks, and consequences. The basis for a graded approach is essential to providing the most appropriate and cost-effective work methods.

Understanding the particular hazards of a facility and the skill set of the craft personnel, enables the tailoring of work method definitions. Work method definitions with a sound basis and tailored approach, allow for an efficient WP&C process, with the appropriate focus on all hazard categories.

The integration of WP&C with hazard analysis



INTEGRATED SAFETY MANAGEMENT

practices, procedures, and tools ensures controls are selected to mitigate hazards, establish system boundaries, and meet technical requirements associated with the scope of work.

E2’s WP&C project support dates back to 1999 at Rocky Flats, when E2 supported Kaiser-Hill on a six-year, \$31 million subcontract to provided site-wide Integrate Work Control Program (IWCP) support to multiple site contractors. E2 developed engineering and design work packages using ISMS principles under IWCP for utility disconnects and relocations, equipment strip out, and temporary utility installations; regulatory support for RCRA compliance; and nuclear safety support for the operations, and decontamination and demolition (D&D) of Hazard Category 1, 2, and 3 nuclear facilities. E2 prepared the Cold and Dark packages for 19 major site buildings and 37 small buildings.



Recent Projects

E2 SMEs have recently provided WP&C improvement support for facilities across the DOE complex, including the Savannah River Site, West Valley, Paducah, WIPP, Hanford, and Sandia. These support activities includes evaluation, recommendation, improvement planning, and implementation.



Savannah River Site

E2 has been the sole service subcontractor for O&M of the main power plant at Savannah River Site (D-Area) since 2008. In this role, E2 has developed, implemented, performed and managed the WP&C process for the day-to-day operation of the power plant and its associated support facilities. E2 has a demonstrated record of success implementing commercial practices (graded approach) in WP&C on nuclear installations.

West Valley Demonstration Project

E2 WP&C SME personnel led the implementation of a Rolling Schedule Concept and Work Window Coordination for West Valley Environmental Services. E2 personnel have also been instrumental in continued assessments, efficiency improvements that drive task readiness, tracking performance, and conducting routine review meetings supporting the West Valley Demonstration Project D&D mission.

Paducah DUF6

In support of B&W Conversion Services, LLC, E2 is currently providing senior consulting/management in the area of

maintenance programs and maintenance/work control improvements. E2 personnel are leading WP&C enhancements targeted to improve efficiency and ensure compliance. E2 drafted the DUF6 Operations and Maintenance Plan, and has been tasked with the primary role of implementation.

Waste Isolation Pilot Plant (WIPP)

E2 provided SME support to Washington TRU Solutions for the revision of the WP&C process to correct Defense Nuclear Facilities Safety Board (DNFSB) identified deficiencies.

River Corridor Closure Project

E2 personnel provided WP&C document preparation in support of the 300 Area D4 Project at the DOE's Hanford site. E2 personnel reviewed drawings and historical documentation, walked down work sites, and documented existing conditions. That information along with Authorization Basis documents, procedures (e.g., safety and health, radiological controls, characterization, environmental, and waste management), and regulatory requirements were then used as input to develop work packages.

Sandia National Laboratory

E2 provided a team of SMEs to support development and implementation of a site-wide WP&C process. The work scope included developing policies, processes and procedures that enable the safe and efficient conduct of work; as well as assessments of process implementation, project mentoring and work control assessments during facility Operational Readiness Review/Readiness Assessment.

E2 provides our clients with the highest quality WP&C program support and implementation, tailored to facility design and hazards, using best practices and proven methods.