



[ClearPlan Case Study:] Consulting Support to DOE EVMS Reviews

Because of our consultants' extensive experience performing DCMA-led reviews of earned value management systems (EVMS) implemented in support of major DoD system development programs, DOE's Office of Project Management (PM) has consistently requested specific ClearPlan staff members to participate in EVMS compliance reviews.

In 2019, ClearPlan (as a subconsultant to TechSource, Inc.) was asked to provide a named senior consultant to support a surveillance review of DOE EM's largest capital project, the Waste Treatment & Immobilization Plant (WTP) Project, located on the Hanford Site in southeastern Washington State. Projected to ultimately cost \$30 Billion to construct, WTP will process and stabilize much of the 56 million gallons of radioactive and chemical waste currently stored at the site. The waste, a byproduct of national defense plutonium-production efforts during World War II and the Cold War era, resides in 177 aging underground tanks. Of these, more than one-third have already leaked, contaminating the subsurface and threatening the nearby Columbia River.

The first-of-a-kind WTP Project is equivalent to building two nuclear power plants across a construction site that spans 65 acres and includes four major nuclear facilities – Pretreatment, Low-Activity Waste Vitrification, High-Level Waste Vitrification and the Analytical Laboratory. The largest of these structures, the Pretreatment Facility, has a footprint equivalent to four football fields and will be 12 stories tall when complete. Operations and maintenance buildings, service utilities and office space complete the complex that overall requires more than 260,000 cubic yards of concrete, 40,000 tons of structural steel, and more than one million feet of piping.

After an external independent review (EIR) conducted in May 2016 raised questions related to the prime contractor's EVMS and other descriptive documents containing policies and procedures, DOE PM initiated a formal EVMS Surveillance Review to assess whether the EVMS continued to comply with the EIA-748 Standard. ClearPlan's consultant was a key member of the PM led review team, which followed an incremental process that involved frequent communications between PM, the WTP Federal team, and the contractor leading up to an on-site visit. Clear communication, collaboration, and the alignment of expectations were key to the successful execution of the EVMS Surveillance Review in the timeframe allotted. Upon completion of the review, ClearPlan's consultant made significant contributions to PM's final report to DOE EM and the cognizant contracting officer with several conclusions and recommendations, including findings and requests for corrective action.