

## Hanford Waste Treatment Plant Autosampling System

MCE was contracted to supply design engineering and testing support of the Hanford Waste Treatment and Immobilization Plant (WTP) Autosampling System. This system will remotely take samples of liquids and glass shards at numerous (~60) sampling points and automatically transfer the samples via a pneumatic tube transport system to the WTP Analytical Laboratory for analysis.

The various sampling points are located in the Pretreatment, Low-Activity Waste, and High-Level Waste facilities, which make up the WTP. The WTP will treat and immobilize millions of gallons of radioactive and chemical Cold War era waste now stored in aging underground tanks.



MCE supported initial design efforts and is currently supporting a team led by BNFL Inc. to design, fabricate, and test the integrated Autosampling System.

**EnergySolutions (BNFL Inc.)**  
Richland, Washington

