

## Hanford WTP Cylinder Bottle Racks

MCE was contracted to design, fabricate, test, and deliver cylinder bottle racks for the Waste Treatment and Immobilization Plant at Hanford.

Five bottle racks provide backup instrument service air and breathing service air, and one bottle rack provides a specialty gas for laboratory use. In addition to the bottle racks, an argon storage and supply system is being provided.

The bottle racks are fabricated of stainless steel. Manifolds, pressure control valves, and interface piping route the high-pressure bottled gas to the facility piping.

The argon storage tank is a standard manufactured liquid storage tank with a built-in atmospheric evaporator.



Instrumentation, piping, and a pressure control valve were added to the standard tank to provide the required interface with the facility.

MCE designed, fabricated, and acceptance tested the bottle rack assemblies and the argon storage and supply system.

**Client: Bechtel National, Inc.  
Richland, Washington**