

NUCLEAR WASTE STORAGE



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Teledyne Brown Engineering's Nuclear work dates back to 1954. During the past six decades, Teledyne has continually expanded its Systems Engineering capabilities and has been a consistent supporter in the nuclear industry.

Nuclear Waste Storage Canisters

Teledyne manufactured nuclear waste storage canisters for Savannah River Remediation, LLC in support of the Defense Waste Processing Facility (DWPF) Canister Program.

- Stainless steel
- Weighs 1,200 lb
- Designed to store high-level nuclear waste material in a solid state for several hundred years
- Built to ASME and Nuclear Standards of the NQA-1 Quality Program. The team has:
 - 100% on-time deliveries
 - Excellent quality record
 - 100% acceptance
- Delivered over 2,000 canisters, tapered plugs, and weld plug assemblies with no rejections
- Wrote detailed inspection and test plans approved by the customer
- Requires American Society for Nondestructive Testing (ASNT)-

certified inspectors

- Inspection on welds includes procedures for dye penetrant, visual, and 100% radiography
- Extensive welding on stainless steel certified to ASME, Section IX.

Quality

TBE NQA-1 Quality Plan addresses the requirements and subsequent controls to provide full material traceability throughout the manufacturing process.

- AS9100D/ISO9001:2015 Third-Party Registered
- SEI CMMI Maturity Level 3
- NQA-1 Compliant – Nuclear
- 10CFR50 Compliant – Nuclear
- ASME – Section III – Nuclear Vessels, U2 Stamp, Pressure Vessels, No. 54508

- N Stamp, Nuclear Components, No. N-2983
- NPT Stamp, Nuclear Partials, No. N-2984
- NS Certificate, Nuclear Support, No. N-3874
- ASME – Section VIII – Pressure Vessels
 - U Stamp, Pressure Vessels, No. 33,360
 - R Stamp, Repairs, No. R-2240
- Nadcap Certified
 - Welding
 - Nondestructive Testing – RT, PT
- ASNT Level III Certified – TBE has the only individual in the United States with 22 Level III certifications in Nondestructive Testing.







For more information, contact our Business Development staff at:
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