

## Leaning the Tank Closure Process at the Savannah River Site







Enginee Documents Ra Improvement Ev Contaminated Pu Removal Ra Improvement Ev

**Tank Characterizat** Rapid Improvem F١

Grouting of In-T Equipment (includ cooling coils) Ra Improvement Ev

> Just Stop Its/J Do

## It's All in

66 Our own paradigms a discovered that we w 66 The

## **Savannah River Site**



Paper#: 15515

	Benefits
ring apid /ent	<ul> <li>58 day (50%) reduction in average cycle time from design input to output</li> <li>50% reduction in the average number of drawings requiring change</li> </ul>
imp apid /ent	<ul> <li>Establish storage control for necessary equipment—reduces ~900 person-hours from critical path</li> <li>Grout pumps in-place—saves ~\$1M per tank</li> </ul>
tion nent /ent	<ul> <li>Implement Project Management practices with the end in mind—removes three years from tank closure critical path and saves ~\$1.2M per tank</li> <li>Collect samples prior to tank being dried—saves six months schedule or \$600K/tank</li> </ul>
ank ling apid /ent	<ul> <li>Eliminate coil flushing—saves &gt;\$65K per tank and generation of 5,000 gallons of liquid waste that historically goes back to an active waste tank for treatment</li> <li>Eliminate grey water totes (20 per tank)—saves ~\$100K per tank</li> <li>Standardize header removal—saves &gt;2,000 person-hours per tank</li> </ul>
Just b Its	<ul> <li>"Just Stop" ventilation removal</li> <li>"Just Stop" pump removal when it does not make economic sense</li> <li>Engineering develops and approves configuration management template</li> <li>For each tank, define and obtain early DOE buy in to complete entire scope—waste removal through tank closure</li> <li>Develop standard work package</li> <li>Develop standard design for closure tanks</li> </ul>
Ou	r Own Hands–Insights to Lean Events
lrive or ere ove ere is a	ur behaviors: almost 100% of the time we er interpreting the rules or requirements. <b>??</b> In common misconception that since this is the way "we have

always done it," our stakeholders will not consider accepting anything different. The strength of the Lean process is that key stakeholders are invited to participate in the events. The assembly of affected parties is extremely powerful for team building and educating each other about what drives each organization's decision making.

**66** There is always more than one way to tackle a problem and our stakeholders are open to alternate solutions that have sound technical basis. In one instance, we were able to resolve a technical challenge during the course of an event that saved six months from our closure schedule – it was win-win for all parties! 99



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