

Leveraging Lessons to Ready for Operations Ian



Ian has more than 30 years of experience in the nuclear industry, including four years as the engineering manager at a successfully operating vitrification facility in the United Kingdom. He has seen vitrification used to safely stabilize more than 5,000 canisters of radioactive waste into a solid glass form, and he is confident that Hanford's Vit Plant will do the same.

"Hanford is unique because of its size and the amount of waste that needs to be processed, but vitrification is a proven technology," Ian says. "And we have the right people on this job. We've brought people from successfully operating vit plants around the world, and we're using their knowledge and experience to ensure we meet the scale challenges at Hanford and design and build a safe vit plant."

Ian's radioactive waste processing facility experience spans design through operations, including successfully preparing for and meeting the requirements of operational readiness reviews. Before Hanford, he was the chief engineer at a U.S. transuranic waste facility, which he saw from design to an operating facility that was exceeding its expected throughput. Ian is now the technical director and design authority at Hanford's Vit Plant.

AT A GLANCE

- 30+ years experience in engineering, plant operations, and business development
- 30+ years experience in the nuclear industry, including at a vitrification plant and a transuranic waste treatment plant
- Registered professional engineer
- Chartered mechanical engineer (U.K.)
- B.S. in mechanical engineering

“ As an engineer, it doesn't get any better than this. I love the challenge.

And I know I have the right experience to take Hanford's Vit Plant through the next phase and into operations. ”

Ian understands that when the Vit Plant is operational, the risk posed by Hanford's radioactive waste is reduced significantly. "I'm confident we will build a plant that will fulfill its mission and safely vitrify Hanford's waste," Ian says.

BRINGING SELLAFIELD EXPERIENCE TO HANFORD

- Sellafield was established in the 1940s to support the war effort for the United Kingdom, much like Hanford for the United States.
- As of 2015, Sellafield has produced 5,000+ canisters of vitrified waste.
- Hanford has a significantly greater volume of waste than Sellafield.

My Mission