G. Ted Boyd

Oak Ridge National Laboratory

Remote Systems Group

September 2016 to Present

Project History

* TRU Liquid Waste
	+ Created base frame to allow remote alignment, installation, and removal of tanks and other components in hot cell.
* NO2 Reactor Stand
	+ Designed stand to allow remote assembly and disassembly of NO2 reactor.
* HFIR Fuel Element Dissection
	+ Lead group that created methods to remotely dissect fuel elements from HFIR
* Building 7930 Chemical Rack
	+ Designed replacement chemical rack to replace old rack. Rack is designed to be installed and assembled remotely in hot cell.
* Building 3525 Scrap Cutting Tools
	+ Designed various tools and mounting stands for tools used to cut scrap material for packing and disposal.
* MET Microscope Shielding
	+ Designed shield assembly for microscope used in Building 3525 hot cell for remote installation, assembly, and operation.
* MK-18A Recovery
	+ Designed lifting mechanism and alignment features for transfer shield for remote handling and transport of materials.
* Building 3525 Metallurgical Hot Cell
	+ Designing hot cell for metallurgical analysis of materials from the Building 3525 hot cell with remote handling and examination capabilities.
* MPEX
	+ Responsible for design of TEC and PMI