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Waste Management Strategies for Accelerator Production of Mo-99

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ABSTRACT

The production of Mo-99 using an accelerator results in a collection of waste streams. Tritium, fission products, and solid waste from the recovery of the Mo-99 require individualized programs for treatment and disposal. Since a disposition path for commercially generated Greater-Than-Class C Low-Level Radioactive Waste (GTCC LLRW) and GTCC-like Waste is still under development, the processing flowsheet must account for downstream effects when considering changes to improve production. A waste assessment to evaluate flowsheet change effects on the available waste treatment options is being completed.