

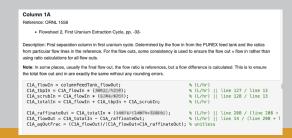
Complete simulation of nuclear material flows

Developing realistic datasets is an important component to system level safeguard design. The Separation and Safeguards Performance Model Library (SSPM-L) is a collection of representative nuclear facility models based on the Fissile Facility Flow Modeler (F3M). The library contains models for aqueous reprocessing and fuel fabrication with pyroprocessing and enrichment currently in development.

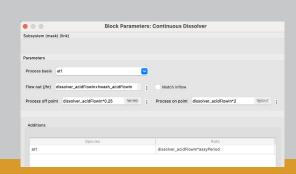
Models in SSPM-L track a wide range of isotopes and model their time-dependent behavior through the course of various process operations. Each model is consistent and well-documented with explicit ties to the underlying literature used during development. Model cards allow users to quickly modify the process to reflect changes in throughput or simulate upset conditions.

- Simulates flow of materials
- Multiple model types available
- Readily integrated with MAPIT

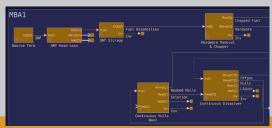
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MODEL CARD TIES TO LITERATURE



STRAIGHTFORWARD MODEL INPUTS



DETAILED FLOW DESCRIPTIONS





