SRNL™
SAVANNAH RIVER NATIONAL LABORATORY
We Put Science To Work

CELL 8 WINDOW REPLACEMENT

Becky Chafin

Shielded Cells Operating Corridor

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Cell 8 Clean Side

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Challenges

- Perform the work in a safe manner
- Perform the work with no spread of contamination
- Limit the dose to personnel
- Perform the work while allowing other work to continue in the operating area

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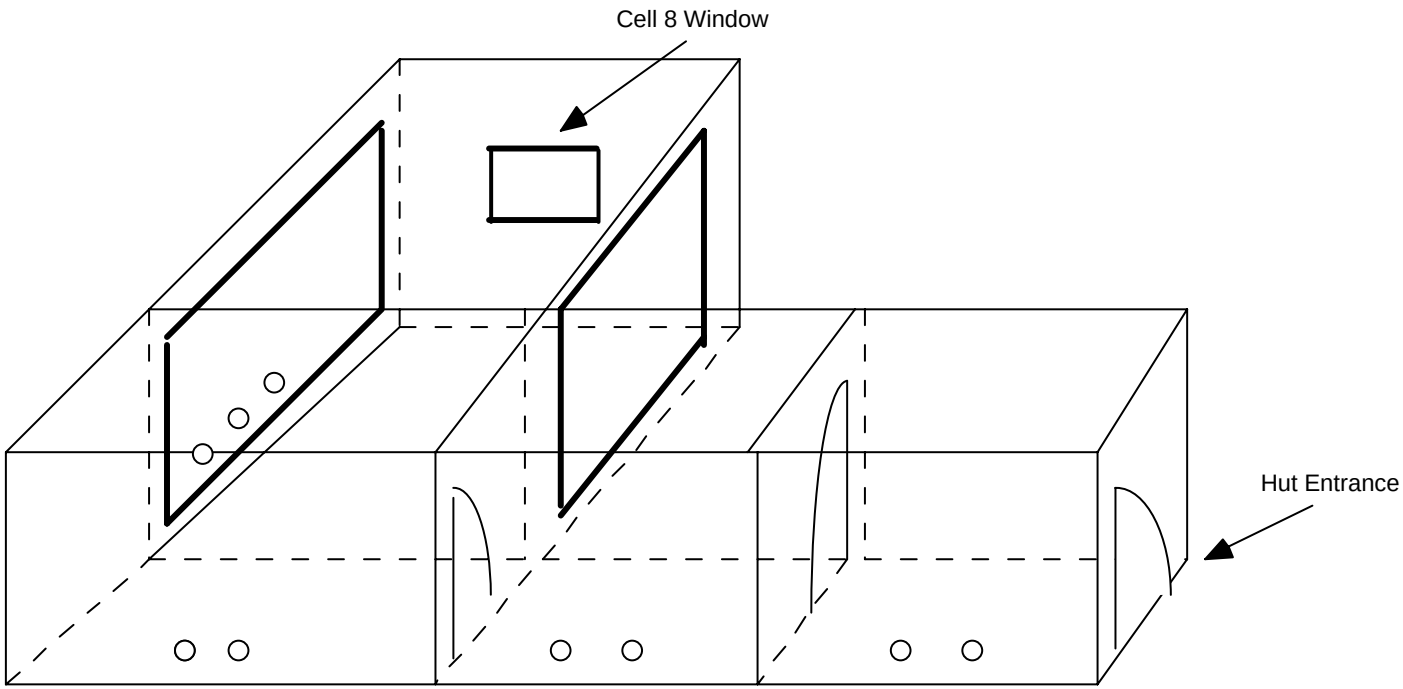
Containment Hut Sketch



Containment Hut

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Containment Hut

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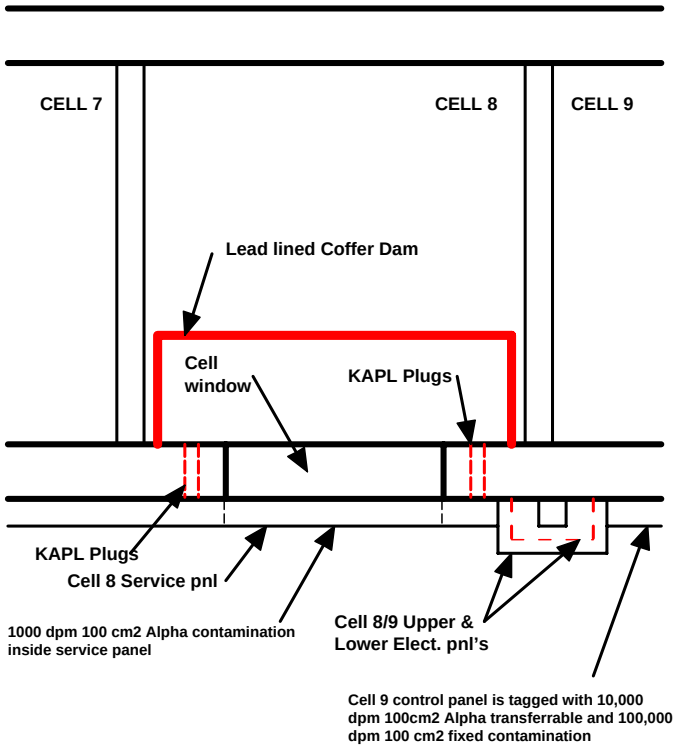
Cofferdam Placement



Task #1 - Develop Engineering isolation plan for electrical and process services to Cell 8 and decon panels. This area will become an ARA during this work. Duration for verifying all isolatotion points to cell is expected to take 3 working days. This work will be planned for an off shift.

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Installation of New Window

Installation of New Window

New Window

Estimated Total Exposure:	1.000 rem
Actual Total Exposure:	0.532 rem
Dose Avoided:	0.468 rem

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Administrative Controls

- Job Hazard Analyses
- Safety Program Outline
- Radiological Work Permits
- Pre- and Post-Job ALARA Reviews
- Facility Radiological Action Team Review and Approval

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Project Staff Involvement

- SRNL Laboratoy Operations
- Radiological Control Operations
- SRNL Engineering
- Westinghouse Safety Management Solutions LLC
- SRS Containment Fabrication Facility
- Bechtel Savannah River Incorporated
- Bluegrass Concrete Cutting Services
- Hot Cells Services Corporation

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