



Regulatory gap analysis for licensing reprocessing facilities

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Regulatory gap analysis

- Regulatory gap analysis completed (SECY-09-0082).
- Staff identified and prioritized 23 gaps.
- Technical basis to support rulemaking for high-priority gaps.
- Part 50 will be consulted.
- Areas of gaps:
 - Waste
 - Physical Security (PP) and Safeguards (MC&A)
 - Risk
 - Licensing

Regulatory gaps - waste

- Independent storage of HLW
- Waste Incidental to Reprocessing (WIR)
- Waste Classification (moderate gap)
- Waste Confidence (moderate gap)

Regulatory gaps – PP and MC&A

- Exclusion in §74.51
- Risk informing PP and MC&A regulations
- Advanced fuel cycles and special nuclear material classification (low/ high)
- Diversion Path analysis (moderate gap)
- Approaches toward material accounting management (moderate gap)

Regulatory gaps - risk

- Risk - Qualitative/quantitative analysis
- Baseline/General Design Criteria (BDC/GDC)
- Technical specifications
- Licensed operators
- Effluent control and monitoring (moderate gap)

Regulatory gaps - licensing

- One-step licensing/ITAAC requirement
- Price Anderson protection and indemnity protection
- Fees
- 10 CFR Part 51, Tables S-3 and S-4 (low)
- Content of an application (low)
- 10 CFR Part 110 Appendix I (low)



Regulatory gap analysis - Next Steps

- Staff is pursuing technical basis development.
- License application submittal indicated for 2012-14 timeframe.
- NRC preparedness.