

NRC Experience with ISA for New Applications

Brian Smith, Chief
Gas Centrifuge Facilities
Licensing Section

Enclosure 3i

Background

- USEC Inc. Lead Cascade and ACP; LES NEF
- Significant lead times
- Same process and guidance as existing facilities
- Level of design

Specific Issues

- Accident sequences
- Instrumentation and controls
- IROFS and management measures

Applicants' Approach

- Commitments to industry standards for completing design
- Commitments to certain procedures
- Generally conservative values for IROFS reliability or otherwise justified; and use of specified criteria, where appropriate
- Minimum/baseline management measures

NRC Approach

- Reasonable assurance at time of license review, confirm later
- Annual ISA Summary updates
- Operational readiness reviews

Conclusion

- While full details were not available to the applicants or NRC, sufficient information was provided and commitments were made such that regulatory requirements were/are being met.