



WEAPONS SAFETY ASSESSMENT (WSA)

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Office of Nuclear Security
and Incident Response
(NSIR)

WSA

- Based upon U.S. Department of Energy Strategic Petroleum Reserve site weapon analysis
- Improved upon by NRC staff, U.S. Army Corps of Engineers, weapon subject matter experts and licensees

WSA

- Represents a methodology to assess mitigation of risk
- Prepared by U.S. Army Corps of Engineer's Protective Design Center and subject matter experts from R. Ward & Associates, Inc.

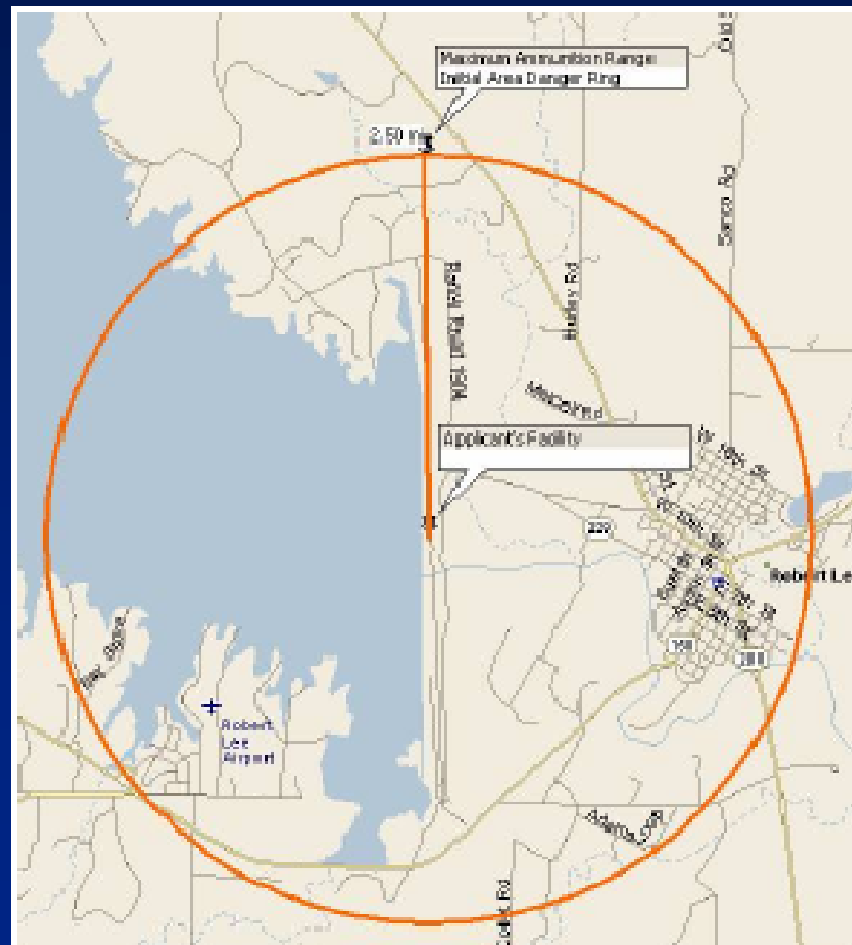
WSA Structure

- Instructions and template form
- Review criteria
- Reference documents

WSA

- Pilot program was conducted
- Three licensees
- Improved WSA

Initial Area Danger Ring for a Single Firing Point



Mitigated Area Danger Ring for a Single Firing Point



Summary

- Provides a systematic analysis of the on and off-site hazards associated with the use of a specific weapon system
- Identifies if risk is mitigated to an acceptable level



Questions