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RISK ASSESSMENT
OF
CREDIBLE AIRCRAFT OR MISSILE ACCIDENTS
IMPACTING
PRIVATE FUEL STORAGE LLC
INDEPENDENT SPENT FUEL
STORAGE INSTALLATION

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supports the Ogden Air Logistics Center shelf-life testing program for conventional munitions and provides an unparalleled arena for combat training units. Many types of Department of Defense (DOD) aircraft use the UTTR, and there are thousands of training sorties flown there each year. The proposed ISFSI site is located within the Sevier B MOA and two statute miles outside the edge of R 6402B airspace and 9 statute miles from the closest boundary of DOD owned land space.

Hill Air Force Base (AFB) is located 65 statute miles northeast of the proposed ISFSI site. An Air Operations Center (AOC) at Hill AFB is the central air traffic control and weapons control facility for the UTTR. All air traffic control radar data is displayed on the Fleet Area Control and Surveillance Facility Air Tracking System (FACTS), and all weapons control radar data is displayed on the AN/UPA-62C analog radar scope at the Hill AFB AOC. Radar data is provided at three long-range radar sites and three short-range radar sites. Radio coverage is provided at six remote sites. All data from remote sites is brought into the AOC by landline, microwave, or fiber optics. All operations in the UTTR are positively controlled and carefully monitored.¹⁵

F-16 fighter aircraft depart Hill AFB under positive Radar Departure Control en route to the UTTR. They are handed off to Clover Control (Range Control) and fly south passing west of Desert Peak (11,031' elevation) near the Stansbury Mountains to practice terrain masking to evade radar, approximately five miles east of the proposed ISFSI site.^{15A}

Clover Control is a certified air traffic control facility augmented by the 729th Air Control Squadron, with three ASR-9 short-range radar sites (Bovine Mountain, Cedar Mountain, and Trout Creek) in the UTTR. Long range radars (200 nautical miles) are located at

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15. "Air Traffic and Range Control for UTTR," 388th Fighter Wing, Hill AFB, UT 84056, response to FOIA Request dated December 18, 1998.
 - 15A Briefing, USAF Safety Issues Team, HQ USAF, Pentagon, Washington, DC 20330. November 20, 1998.
 16. "Weapons testing on the UTTR," 388th Fighter Wing, Hill AFB, UT 84056. Response to FOIA Request, December 18, 1998.
 17. Briefing, USAF Safety Issues Team, HQ USAF, Pentagon, Washington, DC 20330. November 20, 1998.
 18. Accident Analysis For Aircraft Crash Into Hazardous. Facility, U.S. Department of Energy, DOE Standard3014-96, October 1996. Washington, DC 20585
 19. U.S. Nuclear Regulatory Commission Standard Review Plan, NUREG 0800, Office of Nuclear Reactor Regulation, Washington, DC 20555, pages 3.56-3-3.5.16-4.
 20. Ibid.
 21. Letter, Lt. Col. F. Gil Brunson, USA Command Judge Advocate, U.S. Army Dugway Proving Ground, Utah, to Mr. John Donnell, Project Manager, Stone & Webster Engineering Corp., April 2, 1997.
 22. Letter, Lt. Col. F. Gil Brunson, U.S.A, Command Judge Advocate U.S. Army Dugway Proving Ground, Utah, to James L. Cole, Jr. Brig Gen., USAF, (Ret.), January 25, 1999.
 23. "Weapons Testing on the UTTR South Range" 388th Fighter Wing, Hill AFB, UT, 84056, Response to FOIA Request, December 18, 1998.
 24. Ibid.
 25. Briefing, USAF Safety Issues Team, HQ USAF, Washington, DC 20330. November 20, 1998.
 26. "Weapons Testing on the UTTR South Range" 388th Fighter Wing, Hill AFB, UT, 84056, Response to FOIA Request, December 18, 1998.
 27. "X-33 Contingency Operations Plan" Michael AAF, UT, provided by 388 Fighter Wing Hill AFB, UT 84056. Response to FOIA Request December 18, 1998.
 28. Mission performance indicators, Federal Aviation Administration Annual Report for 1996, Federal Aviation Administration, Washington, DC 20591, page 7.

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29. Aviation Safety Information, Federal Aviation Administration, WWW.FAA.GOV/PUBLICINFO.HTM Federal Aviation Administration, Washington, DC 20591
30. "Airlines have 615 million passengers in 1998, no deaths," Washington Times, January 7, 1999.
31. "1998 Civil Aviation Accident Statistics Annual Report", Office of Accident Investigation, Federal Aviation Administration, Washington, DC 20591. March 4, 1999, Page i.
32. FAA General Aviation Forecast Conference Proceedings, March 24-25, 1998, Remarks by Ms. Louise Mailett, Assistant Administrator for Policy, Planning and International Aviation, Federal Aviation Administration, Washington, DC 20591, page 25.
33. FAA General Aviation Forecast Conference Proceedings, March 24-25, 1998, Remarks by Guy Gardner, Associate Administrator for Regulation and Certification, Federal Aviation Administration, Washington, DC 20591. Page 11.
34. Briefing, USAF Safety Issues Team, HQ USAF, Pentagon, Washington, DC 20330, May 25, 1999.
35. Annual Flight Class A Rate, U.S. Air Force Safety Center, WWW-AFSC.SAIA.AF.MIL; Kirtland AFB, NM 87117
36. U.S. Army Aviation Accidents, U.S. Army Safety Center, SAFETY.ARMY.MIL/STATS/AVNST.ATP.HTML; Ft. Rucker, AL 36362
37. Aviation Rates and Statistics, U.S. Navy Safety Center, WWW.SAFETYCENTER.NAVY.MIL; Norfolk Naval Base, VA 23511
38. "Airport Growth and Safety," Rand Report #MR288, Rand 1700 Main Street, Santa Monica, CA Page 103.
39. *Ibid.*, Page 142.