

## REFERENCES

- Alvarez, R., J. Beyea, K. Janberg, J. Kang, E. Lyman, A. Macfarlane, G. Thompson, F. N. von Hippel. 2003a. Reducing the Hazards from Stored Spent Power-Reactor Fuel in the United States. *Science and Global Security*. Vol. 11, pp. 1-51.
- Alvarez, R., J. Beyea, K. Janberg, J. Kang, E. Lyman, A. Macfarlane, G. Thompson, F. N. von Hippel. 2003b. Response by the Authors to the NRC Review of "Reducing the Hazards from Stored Spent Power-Reactor Fuel in the United States." *Science and Global Security*. Vol.11, pp. 213-223.
- American Nuclear Society. 1988. Design criteria for an Independent Spent Fuel Storage Installation (Water Pool Type): An American National Standard. ANSI/ANS-57.7-1988. American Nuclear Society. LaGrange Park, Illinois.
- ASCE (American Society of Civil Engineers). 2003. The Pentagon Building Performance Report. By P. F. Mlakar, D. O. Dusenberry, J. R. Harris, G. Haynes. L. T. Phan, and M. A. Sozen. January. Structural Engineering Institute. Reston, Virginia. Available at: <<http://fire.nist.gov/bfrlpubs/build03/art017.html>>.
- Baker, L. and L. C. Just. 1962. Studies of Metal Water Reactions at High Temperatures, III. Experiments and Theoretical Studies of the Zirconium-Water Reaction. ANL-548. May. Argonne National Laboratory, Argonne, Illinois.
- Benjamin, A. S., D. J. McCloskey, D. A. Powers, and S. A. Dupree. 1979. Spent Fuel Heatup Following Loss of Water During Storage. NUREG/CR-0649, SAND77-1371. Rev.3. Sandia National Laboratories, New Mexico.
- Benjamin, A. S. 2003. Comments on: "Reducing the hazards from stored spent power-reactor fuel in the United States." *Science and Global Security*. Vol. 11, pp. 53-58.
- Beyea, J., E. Lyman, and F. von Hippel. 2004. Damages from a Major Release of <sup>137</sup>Cs into the Atmosphere of the U.S. (Addendum to "Reducing the hazards from stored spent power-reactor fuel in the United States" by R. Alvarez, J. Beyea, K. Janberg. E. Lyman, A. Macfarlane, G. Thompson, and F. von Hippel, *Science and Global Security* 11 (2003), pp. 1-51). *Science and Global Security*. Vol. 12, pp. 125-136.
- Borenstein, S. 2002. Security Upgrades at Nuclear Plants Are Behind Schedule. Knight Ridder Newspapers. April 11. Available at: <<http://www.nci.org/02/04f/12-01.htm>>.
- BNL (Brookhaven National Laboratory). 1987. Severe Accidents in Spent Fuel Pools in Support of Generic Safety Issue 82. NUREG/CR-4982 and BNL-NUREG-52093. V. L. Sailer, K.R. Perkins, J.R. Weeks, and H. R. Connell. July. Brookhaven National Laboratory.
- BNL. 1997. A Safety and Regulatory Assessment of Generic BWR and PWR Permanently Shutdown Nuclear Power Plants. R. J. Travis, R. E. Davis, E. J. Grove, and M. A. Azarm. NUREG/CR-6451. August. Brookhaven National Laboratory.
- Chapin, D. M., K. P. Cohen, W. K. Davis, E. E. Kintner, L. J. Koch, J. W. Landis, M. Levenson, I. H. Mandil, Z. T. Pate, T. Rockwell, A. Schriesheim, J. W. Simpson, A. Squire, C. Starr, H. E. Stone, J. J. Taylor, N. E. Todreas, B. Wolfe, and E. L. Zebroski. 2002. Nuclear Power Plants and Their Fuel as Terrorist Targets. *Science*. Vol. 297, pp. 1997-1999.

- Droste, B., H. Völzke, G. Wieser, and L. Quiao. 2002. Safety Margins of Spent Fuel Transport and Storage Casks Considering Aircraft Crash Impacts. RAMTRANS. Vol. 13(3-4), pp. 313-316.
- Duderstadt, J. J. and L. J. Hamilton. 1976. Nuclear Reactor Analysis. John Wiley & Sons. New York.
- EPRI. 2002. Deterring Terrorism: Aircraft Crash Impact Analyses Demonstrate Nuclear Power Plant's Structural Strength [SAFEGUARDS].
- FEMA (Federal Emergency Management Agency). 2002. World Trade Center Building Performance Study: Data Collection, Preliminary Observations, and Recommendations. FEMA 403. May. FEMA Region II, New York. Available at: <<http://www.fema.gov/library/wtcstudy.shtml>>.
- Ferguson, C. D., W. C. Potter, A. Sands, L. S. Spector, and F. L. Wehling. 2004. The Four Faces of Nuclear Terrorism. Center for Nonproliferation Studies. Monterey Institute of International Studies. Nuclear Threat Initiative. Monterey, California. Available at: <<http://cns.miis.edu/pubs/books/pdfs/4faces.pdf>>.
- GAO (U.S. Government Accountability Office). 2003. Spent Nuclear Fuel: Options Exist to Further Enhance Security. GAO-03-426. July. Available at: <<http://www.gao.gov/new.items/d03426.pdf>>.
- HSK (Die Hauptabteilung für die Sicherheit der Kernanlagen). 2003. Position of the Swiss Federal Nuclear Safety Inspectorate Regarding the Safety of the Swiss Nuclear Power Plants in the Event of an Intentional Aircraft Crash. HSK-AN-4626. March. Würenlingen, Switzerland.
- Jenkins, B. M. 1975. Will Terrorists Go Nuclear? RAND Corporation. RAND P-5541. Santa Monica, California.
- Jenkins, B. M. 1985. Will Terrorists Go Nuclear? Orbis. Vol. 29(3), pp. 507-516.
- Lamarsh, J. R. 1975. Introduction to Nuclear Engineering. Addison-Wesley Publishing Company. Reading, Massachusetts.
- Lange, F., G. Pretzsch, J. Dohler, E. Horman, H. Busch, and W. Koch. 1994. Experimental Determination of UO<sub>2</sub>-Release from Spent Fuel Transport Cask after Shaped Charge Attack. INMM Annual Meeting. Naples, Florida, July 17-20, 1994. Vol. XXIII, pp.408-413.
- Lange, F., G. Pretzsch, E. Hörmann, and W. Koch. 2001. Experiments to Quantify Potential Releases and Consequences from Sabotage Attack on Spent Fuel Casks. Thirteenth International Symposium on Packaging and Transportation of Radioactive Materials PATRAM. September 2-7, 2001. Chicago, Illinois.
- Lange, F., H. J. Fett, E. Hormann, E. Schrodli, G. Schwarz, B. Droste, H. Volzke, G. Wieser, L. Qiao. 2002. Safety Margins of Transport and Storage Casks for Spent Fuel Assemblies and HAW Canisters under Extreme Accident Loads and Effects from External Events. Report within framework of Project SR 2415. April. Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH, Köln; Bundesanstalt für Materialforschung und Prufung (BAM), Berlin, Germany.
- Luna, R. E. 2000. Comparison of Results from Two Spent Fuel Sabotage Source Term Experiments. RAMTRANS. Vol. 11(3), pp. 261-265.

- Marsh, G. E. and Stanford, G. S. 2001. National Policy Analysis #374: Terrorism and Nuclear Power: What are the Risks? The National Center for Public Policy Research. November. Available at: <<http://www.nationalcenter.org/NPA374.html>>.
- NRC (National Research Council). 2002. Making the Nation Safer: The Role of Science and Technology in Countering Terrorism. National Academies Press. Washington, DC.
- RBR Consultants, Inc.. 2003. Terrorist Aircraft Strikes at Indian Point Spent Fuel Pools. February. Herschel Specter's testimony to the New York City Council's Committee on Environmental Protection. February. New York.
- Thomauske, B. 2003. Realization of the German Concept for Interim Storage of Spent Nuclear Fuel—Current Situation and Prospects. Waste Management '03 Conference. February 23-27, 2003. Tucson, Arizona.
- Thompson, G. 2003. Robust Storage of Spent Nuclear Fuel: A Neglected Issue of Homeland Security. Institute for Resource and Security Studies. A report commissioned by Citizens Awareness Network. January. Cambridge, Mass.
- Tong, L. S. and J. Weisman. 1996. Thermal Analysis of Pressurized Water Reactors. Third Edition. American Nuclear Society. LaGrange Park, Illinois.
- U.S. Atomic Energy Commission. 1975. Reactor Safety Study. An Assessment of Accident Risks in U.S. Commercial Nuclear Power Plants. WASH-1400. August. Washington, DC.
- USNRC (U.S. Nuclear Regulatory Commission). 1983. A Prioritization of Generic Safety Issues. NUREG-0933. December. Vol. 3.82, pp. 1-6.
- USNRC. 1984. Spent Fuel Heat Generation in an Independent Spent Fuel Storage Installation. Regulatory Guide 3.54 (Task CE 034-4). Office of Nuclear Regulatory Research. September. Washington, DC.
- USNRC. 1996. Refueling Practice Survey: Final Report. May. Washington, DC. Available at: <<http://www.nrc.gov/reading-rm/doc-collections/news/1996/96-074.html>>.
- USNRC. 1997a. A Safety and Regulatory Assessment of Generic BWR and PWR Permanently Shutdown Nuclear Power Plants. NUREG/CR 6451. R. J. Travis, R. E. Davis, E. J. Grove, and M. A. Azarm. August. Brookhaven National Laboratory.
- USNRC. 1997b. Operating Experience Feedback Report. Assessment of Spent Fuel Cooling. NUREG-1275. Vol. 12. J. G. Ibarra, W. R. Jones, G. F. Lanik, H. L. Ornstein, S. V. Pullani. Office for Analysis and Evaluation of Operational Data. Washington, DC.
- USNRC. 2001a. Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants. NUREG-1738. Division of Systems Safety and Analysis. January.
- USNRC. 2001b. Review of NRC's Dry Cask Storage Program. Audit Report. OIG-01-A-11. Office of the Inspector General. June 20. Washington, DC.
- USNRC. 2003a. Nuclear Regulatory Commission (NRC) review of "Reducing the hazards from stored spent power-reactor fuel in the United States." Science and Global Security. Vol. 11, pp. 203-211.
- USNRC. 2003b. A Prioritization of Generic Safety Issues. NUREG-0933. R. Emrit, R. Riggs, W. Milstead, J. Pittman, and H. Vendermolen. Office of Nuclear Regulatory Research. October. Washington, DC. Available at: <<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0933>>.

Walker, J.S. 2004. Three Mile Island: A Nuclear Crisis in Historical Perspective. University of California Press. Berkeley, California.

Zimmerman, P. D. and C. Loeb. 2004. Dirty Bombs: The Threat Revisited. Defense Horizons. Vol. 38 (January), pp. 1-11.