

John E. Till, Ph.D., RADM, USNR (RET)
President, Risk Assessment Corporation

Education

Ph.D., Nuclear Engineering, Georgia Institute of Technology, Atlanta, Georgia, 1976
M.S., Health Physics, Colorado State University, Fort Collins, Colorado, 1972
U.S. Naval Nuclear Propulsion Program, Submarine Force. Three schools consisting of Nuclear Power School, Mare Island, California; S5G Prototype NPTU, Idaho Falls, Idaho; Submarine School, Groton, Connecticut
B.S., Engineering (with distinction), U.S. Naval Academy, Annapolis, Maryland, 1967

Professional Experience

Risk Assessment Corporation (formerly *Radiological Assessments Corporation*)
President/Owner, Neeses, South Carolina (1977–present)

Owner and president of *Risk Assessment Corporation, Inc.* (formerly *Radiological Assessments Corporation*), which focuses on the analysis of exposure and dose from radionuclides and chemicals released to the environment. Conducting research contracts for the Environmental Protection Agency, Vanderbilt University, Colorado State University, National Cancer Institute, Centers for Disease Control and Prevention, Chem-Nuclear Corporation, Oak Ridge National Laboratory, Battelle Pacific Northwest Laboratory, Du Pont Company, University of Utah, Colorado Department of Public Health and Environment, Department of Justice, Battelle Pacific Northwest Laboratories, the New Mexico Department of Environment, Pueblo de San Ildefonso, among others.

Embeford Farm, LLC
President/Owner (1100-acre family farm), Neeses, South Carolina (1977–present), producing corn and soybeans.

Oak Ridge National Laboratory
Research Associate, Oak Ridge Tennessee (1974–1977)

Conducted assessments of radiological impacts around nuclear facilities, performed studies to evaluate environmental impact of advanced fast reactor fuels, and developed and improved models to evaluate radionuclide releases to the environment.

Consultant, Allied-General Nuclear Services
Consultant, Barnwell, South Carolina (1973–1974)

Developed an in-plant health physics training program and wrote the *Safety and Environmental Control Department Policy Manual* for a nuclear fuel reprocessing plant being constructed by Allied-General Nuclear Services.

Georgia Institute of Technology
Research Assistant, Atlanta, Georgia (1973–1974)

Provided research and teaching support in the School of Nuclear Engineering.

Colorado State University
Research Assistant, Fort Collins, Colorado (1971–1972)

Developed and tested an instrument that rapidly measures working level exposure of radon daughters.

U.S. Navy, Nuclear Submarine Force (active duty)
Officer (1967–1971)

Became qualified to operate an S5W nuclear reactor, qualified Officer of the Deck and qualified in submarines. Other responsibilities included reactor control officer, electrical division officer, and operations officer.

Special Awards/Positions

2025 Selected Military Section of the Health Physics Society to present the "Commander James Cassata Memorial Lecture" at the 2026 Health Physics Society meeting in Washington D.C.

2024 Recipient of Health Physics Society Michael T. Ryan Award for Outstanding Paper of the Year

2021 Selected as G. William Morgan Lecturer by Health Physics Society.

2020 Recipient of the Health Physics Society Distinguished Scientific Achievement Award

37th Taylor lecture presented on March 11, 2013 at the annual meeting of the National Council on Radiation Protection and Measurements, Bethesda, MD.

1995 Recipient of the E.O. Lawrence Award in the field of environmental science and technology.

1983 Recipient of Elda E. Anderson Award presented annually to a member of the Health Physics Society less than 40 years of age for excellence in contributions to the profession of health physics and the Society

Technical Advisor to Generation Oversight Committee, Exelon Corporation, (2014–Current)

Member, International Commission on Radiological Protection (ICRP), Committee 4, 1997–2006

“Blanketed” by the Nez Perce Tribe for recognition and inclusion of Native Americans in the Hanford Environmental Dose Reconstruction Project, July 19, 1996.

Chairman, Radiation Advisory Committee, Science Advisory Board, U.S. Environmental Protection Agency, member Executive Committee Science Advisory Board, U.S. Environmental Protection Agency, 1986–1987

Chairman, South Carolina Governor's Nuclear Advisory Council, 1987–1989

Advisor to Dean, University of Utah School of Medicine, “Assessment of Leukemia and Thyroid Disease in Relation to Fallout in Utah,” 1986–1994

Chairman, Technical Steering Panel, Hanford Dose Reconstruction Project, 1988–1994

Adjunct Professor of Physics, Emory University, Atlanta, Georgia, 1985–1995

Professional Activities

National Council on Radiation Protection and Measurements (NCRP) Distinguished Emeritus Member, NCRP, 2003–present

Member, National Council on Radiation Protection and Measurements (NCRP), 1984–2003.

Chairman NCRP Scientific Committee 6-8 Operation TOMODACHI Radiation Dose Assessment, 2012–2014

Member, NCRP Committee 6-9, Dosimetry on the One-million Worker Study, 2012-current.

NCRP 2013 Annual Meeting Committee, 2012–2013

MemberAdvisor, NCRP Scientific Committee 6-22, “Design of Effective Radiological Effluent Monitoring and Environmental Surveillance Programs” NCRP Publication 169, 2009–2012

Chairman, NCRP Committee 64, Umbrella Committee on Environmental Issues, 1996–2003

Strategic Planning Committee, 1999–2000

President Selection Committee for successor to Dr. Warren Sinclair, 1992–1993

Member, NCRP Board of Directors, 1989–1994

Member, NCRP Nominating Committee, 1988–1993

Chairman, NCRP Program Committee for Year 2003 Annual Meeting of the NCRP, “Radiation Protection at the Beginning of the 21st Century—A Look Forward”

Member, Program Committee for Year 2000 Annual Meeting of the NCRP, “Past and Future Bases for Setting Radiation Protection Standards”

Member, National Council on Radiation Protection and Measurements Scientific Committee 64 on Environmental Radioactivity, 1985–2002

Chairman, NCRP Scientific Committee 64–19, “Dose Reconstruction,” 1994–2000

Chairman, NCRP Program Committee for 1995 Annual Meeting, “Environmental Dose Reconstruction and Risk Implications,” April 12–13, 1995, Crystal City, Virginia

Chairman, NCRP Task Group on Disposal of Low-Level Radioactive Waste in Oceans, National Council on Radiation Protection and Measurements, 1985–1990

Chairman, NCRP Committee 64–6, “Screening Models,” NCRP Publication 123 1982–1994

Chairman, NCRP Committee 64–2 and 3, “Radiological Assessment,” NCRP Publication 76, 1978–1982

Chairman, NCRP Committee for Comentary No. 3, "Screening Techniques for Determining Compliance with Environmental Standards," 1986 (Rev. 1989)

Member NCRP Task Group on "Guidelines for the Release of Waste Water from Nuclear Facilities with Special Reference to Public Health Significance of the Proposed Release of Tritiated Waters from Three Mile Island," NCRP Commentary No. 4, 1987

National Academy of Sciences

Chairman, National Academy of Sciences Committee, "A Review of the Dose Reconstruction Program of the Defense Threat Reduction Agency," 2001-2003

Member, National Academy of Sciences "Advisory Committee to Study the Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons," 1994-2000

Member, National Academy of Sciences Committee to Provide Interim Oversight of the Department of Energy Nuclear Weapons Complex, 1988-1989

Member, "Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons," National Academy of Sciences, 1993-1995

Chairman, Dosimetry Working Group, "Mortality of Military Personnel Present at Atmospheric Tests of Nuclear weapons," National Academy of Sciences, 1993-1995

International Commission on Radiological Protection (ICRP) and International Atomic Energy Agency (IAEA)

Member, Committee Four of the International Commission on Radiological Protection (ICRP) 1997-2005.

Chairman, ICRP Task Group on "Defining the Individual," 2002-2005.

Member, International Commission on Radiological Protection Committee on Prolonged Exposures, 1997-2000.

Member, International Commission on Radiological Protection Working Party on Controllable Doses, 1997-2000

Chairman, International Commission on Radiological Protection Working Party on Environmental Doses, 1997-2000.

Special Appointments

Appointment by the Secretary of Energy to the Department of Energy Commission on Fire Safety and Preparedness, November 2000-2001

Scientific Review Group, U.S. Department of Energy, Joint Coordinating Committee for Radiation Effects Research, 1995-1997.

Consultant to U.S. Nuclear Regulatory Commission, Advisory Committee on Reactor Safeguards, 1986-1990.

Chairman, Advisory Panel, "Managing Nuclear Materials from Warheads: Weapons Dismantlement and Its Aftermath," Office of Technology Assessment, Congress of the United States, June 1992-1993

Illinois Department of Nuclear Safety Technical Advisory Panel on Low-Level Waste Disposal Systems, 1986–1989.

Member, U.S. Department of Energy Committee on Research on the Validation of Predictive Models Resulting from the Chernobyl Nuclear Accident, 1986–1988

Member, Department of Energy “Joint Coordinating Committee on Radiation Effects Research,” 1995–1997

Professional Society Memberships and Activities

Health Physics Society

Chairman, Education and Training Committee, Health Physics Society, 1975–1979.

Councilman, East Tennessee Chapter, Health Physics Society, 1975–1977.

Program Chairman, “Pathway Analysis and Risk Assessment,” 1989 Health Physics Society Summer School, St. John’s College, Santa Fe, New Mexico, June 18–23, 1989.

Program Chairman, “Assessment of Releases of Radioactivity to the Environment,” 1980 Health Physics Society Summer School, University of Washington, Seattle, Washington, July 14–18, 1980.

Program Chairman, “A Seminar on Solid Radioactive Waste Storage in the United States,” sponsored by the East Tennessee and Bluegrass Chapters of the Health Physics Society at Mammoth Cave, Kentucky, September 18, 1976.

Member, Committee on Scientific and Public Issues, Health Physics Society, 1979–1981.

Society for Risk Analysis

Society of Exposure Analysis

American Nuclear Society

American Association for the Advancement of Science

Journal Editorship

Editor, *International Radiation Protection Association BULLETIN*, 1988–1992.

Editor for Environmental Consequences Section of *Nuclear Safety*, 1975–1977.

Health Physics Advisory Board, 1988–1992.

Editor, “Radiation Protection at the Beginning of the 21st Century-A Look Forward,” *Health Physics*.

Military

Rear Admiral, U.S. Naval Reserve, 1991–1999, retired
Mobilization Assistant to U.S. Strategic Command, 1998–1999
Deputy Commander, Submarine Operations, N87R, Washington, D.C., 1994–1997.
Deputy Commander, Submarine Force U.S. Atlantic Fleet, Norfolk, Virginia, 1991–1994
Commander Naval Reserve Readiness Command, Region Ten, New Orleans, Louisiana, 1992–1994.
Commanding Officer, Naval Weapons Station, HQ107, Charleston, South Carolina, 1988–1990.
Member, National Naval Reserve Policy Board, 1989–1992.
Commanding Officer, Naval Electronic Systems Engineering Command DET 407, 1985–1987.
Management Information Officer, Naval Reserve Readiness Command Region Seven, Charleston, South Carolina, 1983–1985.
Commanding Officer, AS-40 FRANK CABLE, DET 107, Charleston, South Carolina, 1981–1983.
Commanding Officer, Nuclear Weapon Training Group, DET 107, Charleston, South Carolina, 1979–1981.
Qualified in submarines.

Military Awards

Defense Distinguished Service Medal, 1999 (The Navy's third highest peacetime medal); Legion of Merit, 1994; Meritorious Service Medal, second award 1994, 1990; Navy Commendation Medal, second award 1987, 1984; Naval Reserve Service Medal, 1979; Navy Achievement Medal, 1971; National Defense Service Medal, 1964

Special Military Training and Certifications

Naval Nuclear Submarine Program including the following:

Six months (625 classroom hours) of instruction in the principles of science and engineering fundamental to design, construct, and operate a nuclear propulsion plant, July 1967–January 1968.

Six-month prototype training designed to provide on-the-job experience at starting up, operating, shutting down, and handling emergencies associated with nuclear propulsion plants, January 1968–August 1968.

Six months submarine school consisting of 675 hours of intensified instruction and 10 days of underway training aboard an operating submarine, August 1968–February 1969.

Certification to supervise the operation of a Naval Nuclear Reactor.

Training and certification to conduct experiments with highly toxic radioactive materials in a glove box, Oak Ridge National Laboratory, January 1968–April 1975.

Courses Taught and Offered

“Environmental Risk Assessment and Analysis,” May 8—May 12, 2017, Presented to staff of the US Nuclear Regulatory Commission, White Flint, MD, 25 attendees

“Environmental Risk Assessment and Analysis,” April 27—May 1, 2015, Presented to staff of the US Nuclear Regulatory Commission, White Flint, MD, 15 attendees

“Radiological Risk Assessment for Decision-Making, Compliance, and Emergency Response,” March 4-8, 2013, Washington, DC, 40 attendees

“Radiological Risk Assessment for Decision-Making, Compliance, and Emergency Response,” March 5-9, 2012, Washington, DC, 40 attendees

“Environmental Risk Assessment Analysis,” January 26-30, 2009, U.S. Nuclear Regulatory Commission, Washington, D.C. 25 attendees

“Three Short Courses for Regulators and Radiation Health Specialists: Emerging Topics in Radiation Protection and Risk Assessment,” March 16 – 18, 2004, Kiawah Island, South Carolina, 25 attendees

“Calculating and Understanding Risk from Radionuclides Released to the Environment,” November 15-19, 1999, Seattle, Washington, 40 attendees

“Calculating and Understanding Risk from Chemicals Released to the Environment,” April 12-15, 1999, San Antonio, Texas, 30 attendees

“Chemical Risk Assessment—A Practical Approach for Making Risk-Based Decisions,” April 27 – May 1, 1998, Santa Fe, New Mexico, 75 attendees

“Pathway Analysis and Risk Assessment for Environmental Compliance and Dose Reconstruction,” November 6–10, 1995, Kiawah Island, South Carolina, 75 attendees

“Chemical Risk Assessment for Environmental Compliance and Dose Reconstruction,” February 27–March 3, 1995, Kiawah Island, South Carolina, 85 attendees

“Pathway Analysis and Risk Assessment for Environmental Compliance and Dose Reconstruction,” February 28–March 4, 1994, Kiawah Island, South Carolina, 150 attendees

“Risk Assessment and Public Communication,” March 1–5, 1993, Kiawah Island, South Carolina, 85 attendees

“Pathway Analysis and Risk Assessment for Environmental Compliance and Dose Reconstruction,” March 2–6, 1992, Kiawah Island, South Carolina, 150 attendees

“Pathway Analysis and Risk Assessment for Environmental Compliance and Dose Reconstruction,” February 25–March 1, 1991, Kiawah Island, South Carolina, 90 attendees

“Calculating and Understanding Risk from Radionuclides Released to the Environment,” April 28–

May 2, 1997, Santa Fe, New Mexico, 150 attendees

“Chemical Risk Management—A Practical Approach for Implementing Risk-Based Corrective Action,” April 27–May 1, 1998, Santa Fe, New Mexico, 75 attendees

“Calculating and Understanding Risk from Chemicals released to the Environment,” April 12–15, 1999, San Antonio, TX, 40 attendees

Peer Reviewed Publications and Technical Reports

Till, J.E. 1975. "A Comparison of the Potential Radiological Impact of Recycle ^{233}U Fuel and LMFBR Plutonium Fuel Released to the Environment." ORNL/TM-4768. January.

Parzyck, D.C., J.P. Witherspoon, and **J.E. Till**. 1976. "Validation of Environmental Transport Models in the CUEX Methodology." Chapter in *Radioecology and Energy Resources*. Edited by C.E. Cushing, Jr. New York: Dowden, Hutchinson & Ross, Inc.

Tennery, V.J., E.S. Bomar, W.D. Bond, S.V. Kaye, L.E. Morse, and **J.E. Till**. 1976. "Potential Generation and Radiological Impacts of Gaseous ^{14}C Released During Reprocessing of Advanced LMFBR Fuels." ORNL/TM-5538. June.

Tennery, V.J., E.S. Bomar, W.D. Bond, G.S. Hill, L.E. Morse, R.D. Seagren, L.B. Shappert, and **J.E. Till**. 1976. "Environmental Assessment of LMFBR Advanced Fuels—A Radiological Analysis of Fuel Reprocessing, Refabrication, and Transportation." ORNL-5230. November.

Till, J.E. 1976. "A Comparison of Environmentally Released Recycle ^{233}U Fuel and LMFBR Plutonium Fuel." Chapter in *Radioecology and Energy Resources*. Edited by C.E. Cushing, Jr. New York: Dowden, Hutchinson & Ross, Inc.

Till, J.E. 1976. "Assessment of the Radiological Impact of ^{232}U and Daughters in Recycled ^{233}U HTGR Fuel." ORNL/TM-5409. February.

Till, J.E. 1976. "The Toxicity of Uranium and Plutonium to the Developing Embryos of Fish." ORNL-5610. July.

Till, J.E. 1976. "Potential Radiation Doses from ^{14}C Produced in Advanced FBR Fuels." *Transcripts American Nuclear Society*, November 14–19.

Till, J.E. 1976. "Education and Training Opportunities in Health Physics." A brochure on education and training for the Health Physics Society. December.

Till, J.E. and Dennis C. Parzyck. 1976. "An Evaluation of Operational Exposures which could Result from Potential Environmental Releases of ^{232}U and Daughters." *Proceedings Ninth Midyear Topical Symposium on Operational Health Physics*. Denver, Colorado, February.

Emery, R.M., M.L. Warner, H.R. Meyer, C.A. Little, and **J.E. Till**. 1977. "Environmental Assessment Strategies in Support of the Nonproliferation Alternative Systems Assessment Program (NASAP)." PNL-2415. October.

Tennery, V.J., E.S. Bomar, **J.E. Till**, L.E. Morse, M. Pobereskin, and W.J. Madia. 1977. "Radiological Environmental Assessment of the Recycle of LMFBR Advanced Fuels" *Proceedings Advanced LMFBR Fuels*. Tucson, Arizona, October.

Till, J.E. 1977. "A Laboratory Technique for Obtaining Fathead Minnow Eggs for Use in Toxicity Experiments." *Prog. Fish. Cult.* 39: pp. 24–27. April.

Till, J.E. 1977. "A Uniform Approach for On-Site Training and Qualification of Health Physics Technicians." *Health Physics* 32: pp. 423–428. May.

Till, J.E. and M.L. Frank. 1977. "Bioaccumulation, Distribution, and Dose of ^{241}Am , ^{244}Cm , and ^{238}Pu in Developing Fish Embryos." *Proc. IVth International IRPA Congress*. Paris, France, April 24–30. pp. 645–648.

Till, J.E. and G.G. Killough. 1977. "Scenarios of ^{14}C Release from the World Nuclear Power Industry 1975–2020 and Estimated Radiological Insult to the Population." *Airborne Radioactivity*. Selected papers from 1977 ANS Winter Meeting. Edited by David Shaw. LaGrange, Illinois: American Nuclear Society Press.

Till, J.E., C.J. Barton, G.W. Parker. 1977. "Nuclear Energy: A Viable Alternative." *Aviation Medical Bulletin*. February.

Killough, G.G. and **J.E. Till**. 1978. "Scenarios of ^{14}C Release from the World Nuclear Power Industry 1975–2020 and Estimated Radiological Impact." *Nuclear Safety* **19** (5).

Tennery, V.J., E.S. Bomar, W.D. Bond, L.E. Morse, H.R. Meyer, **J.E. Till**, and M.G. Yalcintas. 1978. "Environmental Assessment of Alternate FBR Fuels: Radiological Assessment of Airborne Releases from Thorium Mining and Milling." ORNL/TM-6474. October.

Tennery, V.J., E.S. Boamr, W.D. Bond, H.R. Meyer, L.E. Morse, and **J.E. Till**. 1978. "Environmental Assessment of Alternate FBR Fuels: Radiological Assessment of Reprocessing and Refabrication of Thorium/Uranium Carbide Fuel." ORNL/TM-6493. August.

Meyer, H.R., **J.E. Till** et al. 1978. "Nonproliferation Alternative Systems Assessment Program (NASAP)—Preliminary Environmental Assessment of Thorium/Uranium Fuel Cycle Systems." ORNL/TM-6069. June.

Meyer, H.R. and **J.E. Till**. 1978. "Radiological Hazards of Denatured Fuel Isotopes," Section 3.3 in *Interim Assessment of the Denatured Uranium Fuel Cycle*. Edited by L.S. Abbott, D.E. Bartine, and T.J. Burns. ORNL-5388. December.

Till, J.E. 1978. "The Effect of Chronic Exposure to $^{238}\text{Pu}(\text{IV})$ Citrate on the Embryonic Development of Carp and Fathead Minnow Eggs." *Health Physics* **34** (4).

Till, J.E., E.S. Bomar, L.E. Morse, and V.J. Tennery. 1978. "A Radiological Assessment of Reprocessing Advanced Liquid-Metal Fast Breeder Reactor Fuels." *Nuclear Technology* **37** (3). March.

Till, J.E., F.O. Hoffman, and D.E. Dunning. 1978. "Assessment of Technetium-99 Releases to the Atmosphere—A Plea for Applied Research." ORNL/TM-6260. June.

Etnier, E.L. and **J.E. Till**. 1979. "Significance of Incorporating Age-Dependent Data into Population Dose Estimates." *Health Physics* **37** (6).

Kocher, D.C. and **J.E. Till**. 1979. "Iodine-129 Dose to the World Population from the Nuclear Power Industry." *Trans. Am. Nuc. Soc.*, November 12–16.

Meyer, H.R. and **J.E. Till**. 1979. "Anticipated Radiological Impacts from the Mining and Milling of Thorium for the Nonproliferative Fuels." Invited paper, *Proceedings of the Symposium—Radioactivity and Environment*. Norderney, Federal Republic of Germany, October 2–6, 1978, IRPA.

Meyer, H.R., **J.E. Till**, E.S. Bomar, W.D. Bond, L.E. Morse, V.J. Tennery, and M.G. Yalcintas. 1979. "Radiological Impact of Thorium Mining and Milling." *Nuclear Safety* **20** (3).

Meyer, H.R., C.A. Little, J.P. Witherspoon, and **J.E. Till**. 1979. "A Comparison of Potential Radiological Impacts of ^{233}U and ^{239}Pu Fuel Cycles." *Trans. Am. Nuc. Soc.*, November 12–16.

Till, J.E. and G.G. Killough. 1979. "Scenarios for ^{14}C Release to the Atmosphere by the World Nuclear Industry and Estimated Radiological Impacts." Invited paper *Proceedings of the Symposium—Radioactivity and Environment*, Norderney, Federal Republic of Germany, October 2–6, 1978, IRPA.

Till, J.E., F.O. Hoffman, and D.E. Dunning. 1979. "A New Look at ^{99}Tc Releases to the Atmosphere." *Health Physics* **36** (1).

Tennery, V.J., E.S. Bomar, W.D. Bond, H.R. Meyer, L.E. Morse, **J.E. Till**, and M.G. Yalcintas. 1980. "Summary of Radiological Assessment of the Fuel Cycle for a Thorium/Uranium Carbide Fueled Fast Breeder Reactor." ORNL/TM-6953. May.

Till, J.E., H.R. Meyer, V.J. Tennery, E.S. Bomar, M.G. Yalcintas, L.E. Morse, and W.D. Bond. 1980. "Reprocessing Nuclear Fuels of the Future: A Radiological Assessment of Advanced (Th, U)C Fuels." *Nuclear Technology* **48** (1).

Till, J.E., H.R. Meyer, E.L. Etnier, E.S. Bomar, R.D. Gentry, G.G. Killough, P.S. Rohwer, V.J. Tennery, and C.C. Travis. 1980. "Tritium—An Analysis of Key Environmental and Dosimetric Questions." ORNL/TM-6990. May.

Till, J.E., E.L. Etnier, and H.R. Meyer. 1980. "Updating the Tritium Quality Factor—The Argument for Conservatism." *Proc. Tritium Technology in Fission, Fusion, and Isotopic Applications*. American Nuclear Society National Topical Meeting, U.S. Department of Energy Document No. CONF-800427.

Till, J.E., 1981. "Radiological Assessment for Submerged Demineralizer System for Three Mile Island." *RAC Report 1/81. Radiological Assessments Corporation*, Neeses, South Carolina.

Till, J.E., E.L. Etnier, and H.R. Meyer. 1981. "A Review of Methodologies for Calculating Dose from Environmental Releases of Tritium." *Nuclear Safety* **22** (2).

Till, J.E. 1983. "Special Case Radionuclides." Chapter 9 in *Radiological Assessment*, U.S. Nuclear Regulatory Commission. NUREG/CR-3332.

Till, J.E. 1983. "Long-Lived Radionuclides," *Proc. 19th Annual Meeting of National Council on Radiation Protection and Measurements*. NCRP, Washington, D.C.

Till, J.E. 1983. "Tritium—An Executive Summary of Environmental and Dosimetric Properties." Report for Chem-Nuclear Corporation. RAC/R/1. *Radiological Assessments Corporation*, Neeses, South Carolina. March.

Till, J.E. 1983. "Long-Lived Global Cycling Radionuclides." *Proc. 1983 American Nuclear Society Annual Meeting*. **41**. June.

Till, J.E. and H.R. Meyer, eds. 1983. *Radiological Assessment: A Textbook on Environmental Dose Analysis*. NUREG/CR-3332, ORNL-5968. U.S. Nuclear Regulatory Commission.

Killough, G.G., **J.E. Till**, E.L. Etnier, B.D. Murphy, and R.J. Raridon. 1984. "Dose Equivalent due to Atmospheric Releases of Carbon-14." Chapter 11 in *Models and Parameters for Environmental Radiological Assessments*. Edited by C.W. Miller. DOE/TIC-11468, U.S. Department of Energy, Washington, D.C.

Till, J.E. and W.L. Templeton (technical editors and task group leaders). 1984. *Radiological Assessment: Predicting the Transport, Bioaccumulation, and Intake by Man of Radionuclides Released to the Environment*. NCRP Report No. 76.

Till, J.E. 1985. "A Critique of the Environmental Monitoring Program at the Savannah River Plant. Report on Task 1, Review of Facilities, Equipment, and Personnel." *Radiological Assessments Corporation Report No. 1/85*. January 30.

Till, J.E. 1985. "Changes in Risk Resulting from Removal of Class 'C' from a Low-Level Waste Disposal Facility," Testimony submitted to House Committee on Interior and Insular Affairs, July 19.

Till, J.E. 1985. "A Critique of the Environmental Monitoring Program at the Savannah River Plant. Report on Task 2, Review of Sample Locations, Frequency, and Radionuclides Monitored." *Radiological Assessments Corporation Report No. 8/85*. September 10.

Till, J.E. and H.R. Moore. 1985. "A Pathway Analysis Approach for Determining Acceptable Levels of Contamination from Cobalt-60 in Soil at the International Nutronics Irradiation Facility." *Radiological Assessments Corporation Report No. 7/85*, August 28.

Till, J.E., R.L. Toole, and G. Shinopolus. 1985. "Report on the Proposed New Facility for Conversion of UF_6 to UF_4 ." *Radiological Assessments Corporation Report RAC-10*. January.

Till, J.E., R.W. Shor, and F.O. Hoffman. 1985. "Environmental Effects of the Uranium Fuel Cycle—A Review of Data for Technetium." ORNL/TM-9150, NUREG/CR-3738. February.

Schiager, K.J., W.J. Bair, M.W. Carter, A.P. Hull, and **J.E. Till**. 1986. "De Minimis Environmental Radiation Levels: Concepts and Consequences." *Health Physics* **50** (5).

Till, J.E. 1986. "Source Terms for Technetium-99 from Nuclear Fuel Cycle Facilities," in *Technetium in the Environment*. Edited by G. DeSmet and C. Myttenaere. London: Elsevier Applied Science Publishers.

Till, J.E. and R.E. Moore. 1986. *DECOM: A Pathway Analysis Approach for Determining Acceptable Levels of Contamination of Radionuclides in Soil*. RAC Report No. 2/86. Radiological Assessments Corporation. February 28.

Till, J.E. and K.R. Meyer. 1986. *A Review of the Basis of Risk Calculations for Exposure to Chemicals and Radionuclides and Recommendations Regarding the Acceptability of Combining Risk Estimates*. RAC Report No. 5/86. Radiological Assessments Corporation. July 18.

Till, J.E., W.L. Templeton, D.A. Baker, B.G. Blaylock, R.B. Codell, F.O. Hoffman, Y.C. Ng, Y.O. Onishi, and C.W. Miller. 1986. "Screening Techniques for Determining Compliance with Environmental Standards." NCRP Commentary No. 3. National Council on Radiation Protection. Bethesda, Maryland.

Till, J.E., M.S. Whitaker, and R.E. Moore. 1986. "A Simplified Pathway Approach for Establishing Limits for Soil Contamination," in *Health Physics Considerations in Decontamination and Decommissioning*, Proceedings of the 19th Midyear Topical Symposium of the Health Physics Society. CONF-860203.

Zeigler, C.C., I.B. Lawrimore, E.M. Heath, and **J.E. Till**. 1986. "Savannah River Plant Environmental Report—Annual Report for 1985." DPSPU-86-30-1.

King, C.M., W.L. Marter, B.B. Looney, J.B. Picket, **J.E. Till**, K.R. Meyer, G.C. Merrel, V.C. Rogers, G.A. Holton, and D.F. Montague. 1987. "Performance Assessment Methods for Mixed Waste Sites at the Savannah River Plant." in *Proceedings Ninth Annual DOE Low-Level Radioactive Waste Management Conference*. Denver, Colorado, August 25–27.

Meinholt, C.B., L. Emma, D.G. Jacobs, W.L. Templeton, and **J.E. Till**. 1987. "Guidelines for the Release of Waste Water from Nuclear Facilities with Special Reference to the Public Health Significance of the Proposed Release of Treated Waste Waters at Three Mile Island." NCRP Commentary No. 4. National Council on Radiation Protection, Bethesda, Maryland.

Till, J.E. 1987. *Application for a Radioactive Materials License State of South Carolina*. Report prepared for NuPac Services, Inc. RAC Report No. 1/87. Radiological Assessments Corporation.

Till, J.E. 1987. "Mathematical Models as the Basis for Monitoring Program Design." Appendix C in *Light Water Reactors Monitoring and Management In-Plant and Environmental for Three Mile Island*. Philadelphia: Academy of Natural Sciences.

Till, J.E. 1987. "Environmental Monitoring Programs for Nuclear Facilities: U.S. and International Regulations." Appendix D in *Light Water Reactors Monitoring and Management In-Plant and Environmental for Three Mile Island*. Philadelphia, Pennsylvania: Academy of Natural Sciences.

Till, J.E. and K.R. Meyer. 1987. "A Comparison Between the Soviet Source Term and Predicted Values for the Chernobyl Nuclear Accident." *Trans. Am. Nuc. Soc.*, Volume **55**, TTANSO55 1-760, Los Angeles, California, November.

Till, J.E., W.R. Schell, and D.J. Strom. 1987. "Assessing Risk from Long-Lived Radionuclides: The Need for New Perspective." Invited paper in Proc. Symposium on *Cycling of Long-Lived Radionuclides in the Biosphere: Observations and Models*. Madrid, Spain, September 15–19, 1986. Brussels, Belgium: Commission of the European Communities.

Zeigler, C.C., E.M. Heath, L.B. Taus, J.L. Todd, and **J.E. Till**. 1987. "Savannah River Plant Environmental Report for 1986." DPSPU-87-30-1.

Kahn, B., **J.E. Till**, and D. Hendricks. 1988. *Review of Pacific Northwest Environmental Radiation Monitoring Programs around Hanford*. Environmental Radiation Quality Assurance Task Force of the Pacific Northwest, Department of Social and Health Services, State of Washington, Olympia, Washington.

Reith, C.H., R. Richey, M. Mathews, H.R. Meyer, C. Daily, F. Petelka, W. Glover, D. Lechel, and **J.E. Till**. 1988. "Characterization and Remedial Planning for Non-Radiological Toxicants at UMTRA Project Sites," in *Waste Management 88*. Proceedings of the Tenth Annual DOE Low-Level Waste Management Conference, Denver, Colorado. August 30–September 1. Edited by R.G. Post and M.E. Wacks: Tucson, Arizona: University of Arizona Press.

Richmond, C.R., F.O. Hoffman, B.G. Blaylock, K.F. Eckerman, P.A. Leslie, C.W. Miller, Y.C. Ng, and **J.E. Till**. 1988. "The Potential Use of Chernobyl Fallout Data to Test and Evaluate the Predictions of Environmental Radiological Assessment Models." Report to the U.S. Department of Energy Office of Health and Environmental Research from the Interlaboratory Task Group on Health and Environmental Aspects of the Soviet Nuclear Accident. ORNL-6466.

Till, J.E. 1988. "Modeling the Outdoor Environment—New Perspectives and Challenges." Invited paper in Proceedings of the Twenty-Fifth Hanford Life Sciences Symposium, October 21–23, 1986. *Health Physics* 55 (2).

Till, J.E. and K.R. Meyer. 1988. *Living Without Landfills: A Critical Review*. RAC Report 8/88. Prepared for the Illinois Department of Nuclear Safety. *Radiological Assessments Corporation*, Neeses, SC, 29107.

Till, J.E. and K.R. Meyer. 1988. "The Use of Chemical and Radionuclide Risk Estimates in Site Performance Evaluation of Mixed Waste Sites," in *Waste Management 88*. Proceedings of the Tenth Annual DOE Low-Level Waste Management Conference, Denver, Colorado. August 30–September 1. Edited by R.G. Post and M.E. Wacks: Tucson, Arizona: University of Arizona Press. pp. 148–161.

Till, J.E. and K.R. Meyer. 1988. "Living Without Landfills: Confronting the Low-Level Radioactive Waste Crisis." Book Review, *Health Physics* 57 (1).

Till, J.E. and R.E. Moore. 1988. "A Pathway Analysis Approach for Determining Acceptable Levels of Contamination of Radionuclides in Soil." *Health Physics* 55 (3).

Till, J.E., J. Charles Jennett, R.I. Newman, P.O. Kusek, and J.D. Spencer. 1988. "Implications for South Carolina Resulting from the National Academy of Sciences Report—Safety Issues at the Defense Production Reactors." A Report to the Governor and the South Carolina General Assembly and the Joint Legislative Committee on Energy.

Till, J.E., R.E. Moore, and G.G. Killough. 1988. *DECHEM™: A Pathway Analysis Approach for Determining Acceptable Levels of Chemicals in Soil*. *Radiological Assessments Corporation*, Neeses, SC, 29107.

Reith, C.H., H.R. Meyer, **J.E. Till**, and M.L. Mathews. 1989. "DECHEM: A Program for Characterization and Mitigating Chemical Contaminants at UMTRA Project Sites," in *Waste*

Management 89, Proceedings of the Annual DOE Low-Level Waste Management Conference, Denver, Colorado.

Reith, C.C., **J.E. Till**, and H.R. Meyer. 1989. "DECHEM™: A Program for Characterization and Mitigation," in Proceedings of the American Institute of Chemical Engineers 1989 Summer Meeting, August 20-23, 1989, Philadelphia, Pennsylvania.

Till, J.E. and K.R. Meyer. 1989. "A Review of Protective Actions Taken During the Chernobyl Accident-Implications for the U.S. and the State of Illinois." *Chernobyl: Implications for Illinois*. Proceedings of conference held in Chicago Illinois, October 22-23, 1987, Illinois Department of Nuclear Safety, Springfield, Illinois..

Till, J.E., R.E. Moore, and G.G. Killough. 1989. *DECHEM™: An All-Pathway Assessment Procedure for Determining Acceptable Concentrations of Chemicals in Soil of Waste Sites*. Radiological Assessments Corporation, Neeses, SC, 29107.

Till, J.E., R.E. Moore, and G.G. Killough. 1989. *DECOM™: An All-Pathway Approach for Determining Acceptable Levels of Radionuclides in Soil*. Radiological Assessments Corporation Report, Neeses, SC, 29107.

Till, J.E., R.E. Moore, G.G. Killough, K.R. Meyer, and D.W. Schmidt. 1989. "MICROAIRDOS™: A Version of the AIRDOS-EPA Radionuclide Dispersion and Dose Assessment Code Specifically Developed for Microcomputers." *Radiological Assessments Corporation*, Neeses, South Carolina.

Lloyd, R.D., S.L. Simon, **J.E. Till**, H.A. Hawthorne, D.C. Gren, M.L. Rallison, and W. Stevens. 1990. "Development of A Method to Estimate Dose from Fallout Radioiodine in A Thyroid Cohort Study." *Health Physics* **59** (5).

Lloyd, R.D., D.C. Gren, S.L. Simon, M.E. Wrenn, H.A. Hawthorne, W. Stevens, **J.E. Till**, and T.M. Lotz. 1990. "Individual External Exposures from Nevada Test Site Fallout for Leukemia Cases and Controls." *Health Physics* **59** (5).

Reith, C.C. and **J.E. Till**. 1990. "DECHEM: A Remedial Planning Tool for Chemical Contaminants in Soil," *Proceedings of Envirotec 90*. IAEA, Vienna, Austria.

Stevens, W., **J.E. Till**, J.L. Lyon, D.C. Thomas, R.A. Kerber, S. Preston-Martin, R.D. Lloyd, and S.L. Simon. 1990. *Final Report A Case-Control Study of Leukemia Deaths in Utah (1952-81) and Exposure to Radioactive Fallout from the Nevada Test Site (1952-58)* The University of Utah, Salt Lake City, Utah.

Stevens, W., D.C. Thomas, J.L. Lyon, **J.E. Till**, R.A. Kerber, S.L. Simon, R.D. Lloyd, N.A. Elghany, and S. Preston-Martin. 1990. "Leukemia in Utah and Radioactive Fallout from the Nevada Test Site: A Case-Control Study." *JAMA* **264** (5).

Stevens, W., **J.E. Till**, D.C. Thomas, J.L. Lyon, and R.A. Kerber. 1990. "A Historical Dose Reconstruction and Epidemiologic Study of Leukemia in Utah Residents Exposed to Fallout." *Proceedings Health Physics Society Topical Symposium on Environmental Radiation and Public Policy*. Las Vegas, Nevada, October 23-25. Health Physics Society, McLean, Virginia.

Till, J.E. 1990. "Reconstructing Historical Exposures to the Public from Environmental Sources." *Radiation Protection Today-The NCRP at 60 Years*. Proceedings of the 25th Annual Meeting of the NCRP. National Council on Radiation Protection and Measurements, Bethesda, Maryland. April 1.

Till, J.E. 1990. "The Hanford Environmental Dose Reconstruction Project." *Proceedings Health Physics Society Topical Symposium on Environmental Radiation and Public Policy*. Las Vegas, Nevada, October 23-25. Health Physics Society, McLean, Virginia.

Till, J.E. and K.R. Meyer. 1990. "The Additivity of Radionuclide and Chemical Risk Estimates in Performance Evaluation of Mixed-Waste Sites." *Environmental Monitoring, Restoration and Assessment: What Have We Learned*. Twenty-eighth Hanford Symposium on Health and the Environment. Edited by R.H. Gray. Pacific Northwest Laboratory, Richland, Washington. pp. 207–218.

Till, J.E., F.A. Gifford, B.W. Graham, J.R. Horan, J.M. Leitch, J. Ruttenber, P.G. Voillequé, M. Von Braun, and F.W. Whicker. 1990. "Findings and Recommendations of the Review Panel for the Draft INEL Historical Dose Evaluation." Special report of the review committee to the Department of Energy, Idaho Operations Office, Idaho Falls, Idaho.

Till, J.E., R.E. Moore, and D.W. Schmidt. 1991. "Preliminary Radiological Assessment for the Martinsville Alternative Site." *RAC Report No. CNSI-91-1. Radiological Assessments Corporation*, Neeses, South Carolina.

Stevens, W., **J.E. Till**, D.C. Thomas, J.L. Lyon, R.A. Kerber, S. Preston-Martin, S.L. Simon, M.L. Rallison, and R.D. Lloyd. 1992. "Assessment of Leukemia and Thyroid Disease in Relation to Fallout in Utah, Report of A Cohort Study of Thyroid Disease and Radioactive Fallout from the Nevada Test Site." The University of Utah, Salt Lake City, Utah.

Till, J.E., K.R. Meyer, D.W. Schmidt, and R.E. Moore. 1992. "The Fernald Dosimetry Reconstruction Project, Task 1: Identification of Release Points." *RAC Report No. CDC-1. Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Voillequé, P.G., K.R. Meyer, D.W. Schmidt, G.G. Killough, R.E. Moore, V.I. Ichimura, S.K. Rope, B.S. Shleien, and **J.E. Till**. 1992. "The Fernald Dosimetry Reconstruction Project, Tasks 2 and 3, Radionuclide Source Terms and Uncertainties—1960-1962." *RAC Report No. CDC-2. Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

[&]Grogan, H.A., K.R. Meyer, P.G. Voillequé, S.K. Rope, Marilyn J. Case, H.R. Meyer, R.E. Moore, T. Winsor, and **J.E. Till**. 1993. "Verification of Phase I Source Term and Uncertainty Estimates. The Rocky Flats Nuclear Weapons Plant Dose Reconstruction Project — Phase II: Toxicity Assessment and Risk Characterization." *RAC Report No. CDH-1. Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Kerber, R.A., **J.E. Till**, S.L. Simon, J.L. Lyon, D.C. Thomas, S. Preston-Martin, M.L. Rallison, R.D. Lloyd, and W. Stevens. 1993. "A Cohort Study of Thyroid Disease in Relation to Fallout from Nuclear Weapons Testing." *JAMA* 270(17).

Killough, G.G., M.J. Case, K.R. Meyer, R.E. Moore, J.F. Rogers, S.K. Rope, D.W. Schmidt, B. Shleien, **J.E. Till**, and P.G. Voillequé. 1993. "The Fernald Dosimetry Reconstruction Project, Task 4, Environmental Pathways—Models and Validation." *RAC Report No. CDC-3. Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Shleien, B., S.K. Rope, M.J. Case, G.G. Killough, K.R. Meyer, R.E. Moore, D.W. Schmidt, **J.E. Till**, and P.G. Voillequé. 1993. "The Fernald Dosimetry Reconstruction Project, Task 5, Review of Historic Data and Assessments for the FMPC." *RAC Report No. CDC-4. Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Till, J.E. 1993. "Implications of the Dose Reconstruction Studies on the Future of Environmental Health Physics." Keynote address in the Proceedings of the 26th Midyear Topical Meeting of the Health Physics Society, Coeur d'Alene, Idaho, January 24–28. Edited by R.D. Kathrine,

[&] Independent peer review and oversight provided by the Health Advisory Panel, Historical Public Exposures Studies on Rocky Flats, Colorado Department of Public Health and Environment, Denver, CO.

D.H. Denham, and K. Salmon. Columbia Chapter of the Health Physics Society, Richland, Washington.

[&]Grogan, H.A., K.R. Meyer, P.G. Voillequé, S.K. Rope, M.J. Case, H.R. Meyer, R.E. Moore, T. Winsor, and **J.E. Till**. 1994. "Verification of Phase I Source Term & Uncertainty Estimates." Final Task 2 report prepared for the Colorado Department of Public Health and Environment. *Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Grogan, H.A., M.O. Langan, H.R. Meyer, E.A. Stetar, and **J.E. Till**. 1995. "Identification and Cataloging of Information Sources. Savannah River Site Dose Reconstruction Project." *RAC* Report No. 3 CDC-SRS-95-Final. *Radiological Assessments Corporation*, Neeses, South Carolina, 29107.

Meyer, K.R., P.D. McGavran, P.G. Voillequé, H.A. Grogan, L.W. Bell, H.R. Meyer, S.K. Rope, and **J.E. Till**. 1995. "Savannah River Site Dose Reconstruction Projection, Phase I Data Retrieval and Assessment, Evaluation of Materials Released from the Savannah River Site." *RAC* Report No. 6 CDC-SRS-95-Final. *Radiological Assessments Corporation*, *Radiological Assessments Corporation*, 29107.

Simon, S.L., **J.E. Till**, R.D. Lloyd, R. Kerber, D.C. Thomas, S. Preston-Martin, and W. Stevens. 1995. "The Utah Leukemia Case-Control Study: Dosimetry Methodology and Results." *Health Physics* **68** (4).

Stetar, E.A., M.J. Case, L.W. Bell, H.A. Grogan, K.R. Meyer, H.R. Meyer, S.K. Rope, D.W. Schmidt, T.F. Winsor, and **J.E. Till**. 1995. "Identifying Sources of Environmental Monitoring and Research Data. Savannah River Site Dose Reconstruction Project." *RAC* Report No. 2 CDC-SRS-95-Final. *Radiological Assessments Corporation*, Neeses, SC, 29107.

Templeton, W.L., **J.E. Till** (Co-Chairmen), D.A. Baker, B.G. Blaylock, R.B. Codell, F.O. Hoffman, C.W. Miller, and Y. Onishi. 1995. *Screening Models for Releases of Radionuclides to Air, Surface Water, and Ground Water*. NCRP Report No. 123 (Vols. I and II). National Council on Radiation Protection and Measurements, Bethesda, Maryland.

Till, J.E.. 1995. "Building Credibility in Public Studies." *American Scientist* **83** (5).

Till, J.E., S.L. Simon, R. Kerber, R.D. Lloyd, W. Stevens, D.C. Thomas, J.L. Lyon, and S. Preston-Martin. 1995. "The Utah Thyroid Cohort Study: Analysis of the Dosimetry Results." *Health Physics* **68** (4).

Till, J.E., F.O. Hoffman, Keith J. Schiager, and J. Taschner. 1995. "Letter Report of the Dose Assessment Working Group, Committee to study the Mortality of Military Personnel Present at Atmospheric Tests of Nuclear Weapons." National Academy of Sciences, Washington, D.C.

*Voillequé, P.G., K.R. Meyer, D.W. Schmidt, S.K. Rope, G.G. Killough, R.E. Moore, M.C. Case, B. Shleien and **J.E. Till**. 1995. "The Fernald Dosimetry Reconstruction Project, Tasks 2 and 3, Radionuclide Source Terms and Uncertainties (Final Report)." *RAC* Report No. CDC-5. *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

[&] Independent peer review and oversight provided by the Health Advisory Panel, Historical Public Exposures Studies on Rocky Flats, Colorado Department of Public Health and Environment, Denver, CO.

* Independent peer review provided by National Academy of Sciences Committee on an Assessment of Centers for Disease Control and Prevention Radiation Studies from Department of Energy Contractor Sites.

Meyer, K.R., P.G. Voillequé, D.W. Schmidt, S.K. Rope, G.G. Killough, B. Shleien, R.E. Moore, M.J. Case, and **J.E. Till**. 1996. "Overview of the Fernald Dosimetry Reconstruction Project and Source Term Estimates for 1951–1988." *Health Physics* **71** (4): 425–437.

[&]Meyer, H.R., S.K. Rope, T.F. Winsor, P.G. Voillequé, K.M. Meyer, L.A. Stetar, **J.E. Till**, and J.M. Weber. 1996. "Task 2: The Rocky Flats Plant 903 Area Characterization." *RAC Report No. 2-CDPHE-RFP-1996-FINAL*. *Radiological Assessments Corporation*, Neeses, South Carolina.

[&]Meyer, K.R. and **J.E. Till**. 1996. "Task 2c: Characterization of Surface Water Releases from the Rocky Flats Plant." *RAC Report #7-CDPHE-RFP-1996*. Phase II, Rocky Flats Historical Public Exposure Studies. *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

[&]Rope, S.K., K.R. Meyer, M.J. Case, D. W. Schmidt, M. Dreicer, T. Winsor, L. W. Bell, E.S. Stetar, and **J.E. Till**. 1996. "Task 4, Evaluation Of Historical Environmental Data." Draft report for public comment. *RAC Report #1 CDPHE-RFP-1996-Draft*. Phase II, Rocky Flats Historical Public Exposures Studies. *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

Grogan, H.A. and **J.E. Till** (Principal Investigator). 1996. "Calculating and Interpreting Radiological Doses and Risks for Individuals Exposed to Radionuclides Due to Historical Releases from the Hanford Nuclear Reservation," Workshop Report. *RAC Report No. 5-CDC-Task Order 2-1996-FINAL*. *RAC*, 417 Till Rd. Neeses, SC 29107.

Till, J.E. 1996. "Methodology of Environmental Dose Assessment." Proceedings of the 1996 International Congress on Radiation Protection, IRPA 9, Vienna, Austria, April 14–19.

[&]Rope, S.K., K.R. Meyer, M.J. Case, D. W. Schmidt, T. Winsor, M. Dreicer, and **J.E. Till**. 1997. *Task 4, Evaluation Of Historical Environmental Data*. *RAC Report #1 CDPHE-RFP-1997-Final*. Phase II, Rocky Flats Historical Public Exposures Studies. *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

Till, J.E. 1997. "A 1993 Report on Reconstruction of Environmental Exposures and Uncertainties in Support of Epidemiological Studies Related to Low-Dose Radiation." In *Radiation Injury and the Chernobyl Catastrophe*. Stem Cells 1997, **15**(suppl 2). pp.87–94.

Till, J.E. 1997. "Environmental Dose Reconstruction." *Radiological Protection Bulletin*. No. **185**, January. National Radiological Protection Board, Harwell, United Kingdom.

Till, J.E. 1997. "Environmental Dose Reconstruction." *Proceedings Thirty First Annual Meeting of the National Council on Radiation Protection and Measurements (NCRP)*. Washington, D.C., April 12–13, 1995. National Council on Radiation Protection, Bethesda, Maryland.

Till, J.E. (editor). 1997. *Proceedings Thirty First Annual Meeting of the National Council on Radiation Protection and Measurements (NCRP)*. Washington, D.C., April 12–13, 1995. National Council on Radiation Protection, Bethesda, Maryland.

Till, J.E. 1998. Keynote Address. *Proceedings of the First Annual University of Washington Conference on the Ecological, Community and Occupational Health Issues at Hanford, December 3, 1997*. University of Washington Press, Seattle, WA.

[&] Independent peer review and oversight provided by the Health Advisory Panel, Historical Public Exposures Studies on Rocky Flats, Colorado Department of Public Health and Environment, Denver, CO.

*Killough, G. G., M.J. Case, K.R. Meyer, R.E. Moore, S.K. Rope, D.W. Schmidt, B. Shleien, W.K. Sinclair, P.G. Voillequé, and **J.E. Till**. 1998. "Radiation Doses and Risk to residents from FMPC Operations from 1951-1988, Vols. I and II," Task 6 Final Report, The Fernald Dosimetry Reconstruction Project, *RAC* Report No. 1-CDC-Fernald-1998-FINAL. *RAC*, 417 Till Rd. Neeses, SC 29107.

Grogan, H.A. and **J.E. Till** (Principal Investigator). 1998. "Issues related to estimating Doses Due to I^{131} Releases to the Atmosphere from the Hanford Site," Workshop Report. *RAC* Report No. 2-CDC-Task Order 4-1998-FINAL. *RAC*, 417 Till Rd. Neeses, SC 29107.

[&]Grogan, H.A., W.K. Sinclair, P.G. Voillequé, and **J.E. Till** (Principal Investigator). 1999. "Assessing Risks of Exposure to Plutonium," Rocky Flats Dose Reconstruction Project. *RAC* Report No. 5-CDPHE-RFP-1998-FINAL. *RAC*, 417 Till Rd. Neeses, SC 29107.

[†]Weber, J.M. and **J.E. Till** (Principal Investigator). 1999 "Cleanup Levels at Other Sites," Task 1 of the Rocky Flats Soil Action Levels Project. *RAC* Report No. 6-RSALOP-1999-FINAL. *RAC*, 417 Till Rd. Neeses, SC 29107.

McGavran, P.D., A.S. Rood., and **J.E. Till**. 1999. "Chronic Beryllium Disease and Cancer Risk Estimates with Uncertainty for Beryllium Released to the Air from the Rocky Flats Plant." *Environmental Health Perspectives*. **107** (9): 731-744.

[&]Meyer, K.R. and **J.E. Till**. 1999. *Characterization of Releases to Surface Water From the Rocky Flats Plant*. *RAC* Report No.7-CDPHE-1996-FINAL(Rev. 1). *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

[&]Meyer, K.R., H.G. Grogan, and **J.E. Till**. 1999. "Responses to Public Questions and Concerns." *RAC* Report No.12-CDPHE-1999-FINAL. *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

[&]Rope S.K., K.R. Meyer, M.J. Case, H.A. Grogan, D.W. Schmidt, M. Dreicer, T.F. Winsor, and **J.E. Till**. 1999. "Evaluation of Environmental Data for Historical Public Exposures Studies on Rocky Flats." *RAC* Report No. 1-CDPHE-RFP-1997-FINAL(Rev.1). *Radiological Assessments Corporation*. Neeses, South Carolina, Neeses, SC, 29107.

[&]Weber, J.M., A.S. Rood, H.R. Meyer, and **J.E. Till**, 1999. "Development of the Rocky Flats Plant 903 Area Plutonium Source Term." *RAC* Report No. 8-CDPHE-RFP-1998-FINAL(Rev.1). *Radiological Assessments Corporation*, Neeses, South Carolina, Neeses, SC, 29107.

Rood, A.S., G.G. Killough, and **J.E. Till**. 1999. "Evaluation of Atmospheric Transport Models for Use in Phase II of the Historical Public Exposures Studies at the Rocky Flats Plant." *Risk Analysis*, **19** (4): 559-576, Neeses, SC, 29107.

Aanenson, J.W., S.J. Maheras, H.J. Mohler, P.G. Voillequé, and **J.E. Till**. 1999. "Independent Audit of Los Alamos National Laboratory for Compliance with the Clean Air Act, 40 CFR 61, Subpart H." *RAC* Report No. 3-DOJ-LANL Audit-1998-FINAL. *Risk Assessment Corporation*, Neeses, South Carolina.

* Independent peer review provided by National Academy of Sciences Committee on an Assessment of Centers for Disease Control and Prevention Radiation Studies from Department of Energy Contractor Sites.

[&] Independent peer review and oversight provided by the Health Advisory Panel, Historical Public Exposures Studies on Rocky Flats, Colorado Department of Public Health and Environment, Denver, CO.

[†] Independent peer review provided by technical experts on the Rocky Flats Soil Action Level Panel, Rocky Flats Citizens Advisory Board, Boulder, Colorado.

Till, J.E., G.G. Killough, K.R. Meyer, W.S. Sinclair, P.G. Voillequé, S.K. Rope, and M.J. Case. 2000. "The Fernald Dosimetry Reconstruction Project." *Technology*, 7 pp270-295.

Till, J.E., G.G. Killough, K.R. Meyer, J.W. Aanenson, and A.S. Rood. 2000. "Calculating Soil Action Levels and Uncertainties for Decision-Making during Cleanup of Contaminated Sites." In *Proc. 10th International Congress of the International Radiation Protection Association*. May 14-19, 2000, Hiroshima, Japan.

Till, J.E. and S.L. Sharp. "Public Participation in Decision-Making for Contaminated Sites." In *Proc. 10th International Congress of the International radiation Protection Association*. May 14-19, 2000, Hiroshima, Japan.

*Meyer, K.R., H.J. Mohler, J.W. Aanenson, **J.E. Till** (Principal Investigator), "Identification and Prioritization of Radionuclide Releases from the Idaho National Engineering and Environmental Laboratory," *RAC Report No. 3-CDC-Task Order 5-2000*, September 30, 2000, *Risk Assessment Corporation*, Neeses, SC 29107.

Aanenson, J.W., S.J. Maheras, H.J. Mohler, P.G. Voillequé, and **J.E. Till**. 2000. "Independent Audit of Los Alamos National Laboratory for Compliance with the Clean Air Act, 40 CFR 61, Subpart H for 1999." *RAC Report No. 4-DOJ-LANL Audit-2000-FINAL*. *Risk Assessment Corporation*, Neeses, South Carolina.

Till, J.E. and K.R. Meyer. 2001. "Public Involvement in Science and Decision-Making." *Health Physics*, 80 (4) pp 370-379.

Rood, A.S., P.D. McGavran, J.W. Aanenson, and **J.E. Till**. 2001. "Stochastic Estimates of Exposure and Cancer Risk from Carbon Tetrachloride Released to the Air from the Rocky Flats Plant." *Risk Analysis*, 21 (4) pp 675-695.

***Till, J.E.**, J.W. Aanenson, P.J. Boelter, M.J. Case, M. Dreicer, H.A. Grogan, M.O. Langan, P.D. McGavran, K.R. Meyer, H.R. Meyer, H.J. Mohler, A.S. Rood, R.C. Rope, S.K. Rope, L.A. Stetar, P.G. Voillequé, T.F. Winson, W. Yang. 2001. "SRS Environmental Dose Reconstruction Project Phase II," *RAC report No. 1-CDC-SRS-1999-FINAL*, *Risk Assessment Corporation*, Neeses, SC 29107.

Rood, A.S., H.A. Grogan, and **J.E. Till**. 2002. "A Model for A Comprehensive Assessment of Exposure and Lifetime Cancer Incidence Risk from Plutonium released from the Rocky Flats Plant, 1953-1989." *Health Physics*, 82 (2) pp 182-212.

Till, J.E., A.S. Rood, P.G. Voillequé, P.D. McGavran, K.R. Meyer, H.G. Grogan, W.K. Sinclair, J.W. Aanenson, H.R. Meyer, S.K. Rope, and M.J. Case. 2002. "Risk to the Public from Historical Releases of Radionuclides and Chemicals at the Rocky Flats Nuclear Weapons Plant." *J of Exposure Analysis and Epidemiology*, 12 (5) pp355-372.

***Till, J.E.** (Principal Investigator), A. S. Rood, J. W. Aanenson, S. S. Mohler, P. D. McGavran, H. J. Mohler, and H. A. Grogan. 2002. "Analysis of Exposure and Risks to the Public from Radionuclides and Chemicals Released by the Cerro Grande Fire at Los Alamos, Estimated Risks from Releases to Air." *RAC Report No. 3-NMED-2002-FINAL*, June 3, 2002 *Risk Assessment Corporation*, Neeses, SC 29107.

* Independent peer review provided by National Academy of Sciences Committee on an Assessment of Centers for Disease Control and Prevention Radiation Studies from Department of Energy Contractor Sites.

⁺ Independent peer review provided by expert team lead by Dr. F. Ward Whicker, Professor Emeritus, Colorado State University, Ft. Collins, Colorado.

⁺**Till, J.E.** (Principal Investigator), J.R. Rocco, K.R. Meyer, H. J. Mohler, J. W. Aanenson, L.H. Wilson, A. S. Rood, P. D. McGavran. 2002. "Analysis of Exposure and Risks to the Public from Radionuclides and Chemicals Released by the Cerro Grande Fire at Los Alamos, Estimated Risks from Releases to Surface Water." *RAC Report No. 4-NMED-2002-FINAL*, June 3, 2002 *Risk Assessment Corporation*, Neeses, SC 29107.

⁺**Till, J.E.** (Principal Investigator), H. J. Mohler, K.R. Meyer, J. W. Aanenson, H.A. Grogan, and J.R. Rocco. 2002. "Analysis of Exposure and Risks to the Public from Radionuclides and Chemicals Released by the Cerro Grande Fire at Los Alamos, Calculating and Communicating Risks: Observations and Recommendations." *RAC Report No. 5-NMED-2002-FINAL*, June 3, 2002 *Risk Assessment Corporation*, Neeses, SC 29107.

*Voillequé, P.G., G.G. Killough, S.K. Rope, and **J.E. Till**. 2002. "Methods for Estimating Radiation Doses from Short-Lived Gaseous Radionuclides and Radioactive Particles Released to the Atmosphere during Early Hanford Operations." *RAC Report No. 2-CDC-Task Order 3-2002-FINAL*. *Risk Assessment Corporation*, Neeses, SC 29107.

Till, J.E.. 2002. "Stakeholder Involvement in Developing Environmental Radiation Protection Policy and Recommendations," in *Proc. Radiological Protection of the Environment, The Path forward to a New Policy*, NEA Forum in Collaboration with the International Commission on Radiological Protection, Taormina, Sicily, Italy, 12-14 February, 2002.

*Meyer, K.R., H.J. Mohler, J.W. Aanenson, and **J.E. Till**. 2002. "Identification and Prioritization of Radionuclide Releases from the Idaho National Engineering and Environmental Laboratory." *RAC Report No. 3-CDC Task Order 5-2000-FINAL*. *Risk Assessment Corporation*, Neeses, SC 29107.

Aanenson, J.W., H.A. Grogan, S.J. Maheras, H.J. Mohler, A.S. Rood, P.G. Voillequé, and **J.E. Till**. 2002. "Independent Audit of Los Alamos National Laboratory for Compliance with the Clean Air Act, 40 CFR 61, Subpart H for 2001." *RAC Report No. 6-DOJ-LANL Audit-2000-FINAL*. *Risk Assessment Corporation*, Neeses, South Carolina.

*Grogan, H.A., A.S. Rood, J.W. Aanenson, E.B. Liebow, **J.E. Till**. 2002. "A Risk-Based Screening Analysis for Radionuclides Released to the Columbia River from Past Activities at the U.S. Department of Energy Nuclear Weapons Site in Hanford, Washington." *RAC Report No. 3-CDC- Task Order 7-2000-FINAL*. *Risk Assessment Corporation*, Neeses, SC 29107.

Till, J.E. 2003. "Dose to Individuals: Who and How," in *Proc. The Future Policy for Radiological Protection*, NEA Forum in Collaboration with the International Commission on Radiological Protection, Lanzarote, Spain, 2-4 April, 2003.

Till, J.E., H.L. Beck, W.J. Brady, T.F. Gesell, D.G. Hoel, E.E. Kearsley, D.C. Kocher, J.D. Moreno, C.R. Weinberg, E.B. Double, I. Al-Nabulsi. 2003. *A Review of the Dose Reconstruction Program of the Defense Threat Reduction Agency*. National Academy Press, National Academy of Sciences, Washington, DC 20001.

Mohler, H.J., K.R. Meyer, H.A. Grogan, J.W. Aanenson, and **J.E. Till**. 2004. "Application of NCRP Air Screening Factors for Evaluating Both Routine and Episodic Radionuclide releases to the Atmosphere." *Health Physics*, **86** (2).

* Independent peer review provided by National Academy of Sciences Committee on an Assessment of Centers for Disease Control and Prevention Radiation Studies from Department of Energy Contractor Sites.

Helen Grogan, **John Till**, Kathleen Meyer, and Justin Mohler. 2004. "Involving Stakeholders and Tailoring Environmental Databases for Shared Analysis of a Contaminated Site." *Proc. EnviroInfo 2004*. 18th International Conference Informatics for Environmental Protection. October 21-23, 2004. Sh@ring, CERN, Geneva, Switzerland.

J. E. Till, G. G. Killough, K. R. Meyer, J. W. Aanenson, and A.S. Rood. 2004. "Technical Basis and Public Process for Deriving Cleanup Levels at Rocky Flats. *Proc. Workshop on Solutions to Security Concerns about Radioactive Legacy of the Cold War that Remain in Urban Environments*. International Institute for Applied System Analysis at Vanderbilt University. Nashville, TN. November 14-16, 2004.

J.E. Till. "ICRP's New Report on the Individual: Assessing Dose of the Representative Individual for the Purpose of Radiation Protection of the Public." Proc. Of the 37th Annual National Conference on Radiation Control Program Directors, Inc., Kansas City, Mo., April 25-28, 2005.

H. Justin Mohler, Jill Weber Aanenson, Helen A. Grogan, and **John E. Till**. "Creating Spatially-Linked Data and Risk Evaluation Tools to Support Community Participation and Decision Making for a Contaminated Site." *Proc. Informatics for Environmental Protection, Networking Environmental Information*. Masaryk University in Brno, Center for Biostatistics and Analyses, Faculty of Medicine Masaryk University in Brno, Czech Republic, September 7-9, 2005.

Till, J.E. and D. McBaugh. 2005. "Practical and Scientifically Based Approaches for Cleanup and Site Restoration." *Health Physics*, **89** (5).

Till, J.E., D. Cancio, M. Clark, D. Cool, J. Cooper, T. Kosako, A. McEwan, K. Ulbak, and C. Zuur. 2006. "New Developments in the Critical Group Concept." In *Proc. Second European International Radiation Protection Association (IRPA) Congress*, IRPA c/o CEPN, 28 rue de la Redoute, 92260 Fontenay-aux-Roses France.

Till, J.E. and H.A. Grogan. 2006. "Applied Modeling and Computations in Nuclear Science: the Foundation for Risk Assessment and Decision Making." In *Applied Modeling and Computations in Nuclear Science*, Oxford University Press.

Helen A. Grogan, Jill W. Aanenson, Patricia D. McGavran, Kathleen R. Meyer, S. Shawn Mohler, H. Justin Mohler, James R. Rocco, and Lesley H. Wilson, and **John E. Till**. 2006. "Applied Modeling of the Cerro Grande Fire at Los Alamos: An Independent Analysis of Exposure, Health Risk, and Communication with the Public." In *Applied Modeling and Computations in Nuclear Science*, Oxford University Press, November.

Till, J.E. 2007. "Reconstruction of Historical Doses from Radionuclides Released to the Environment by the Uravan Mining and Milling Site." In re: June et al. v. Union Carbide Corporation et al., No.1: 04-CV-00123-MSK-MJW, January 15, 2007.

^oStetar, E.A., L. H. Wilson, J. R. Rocco, S. Mohler, H. A. Grogan, and **John E. Till**. 2007. "Focus Group Data Evaluation." Risk Analysis, Communication, Evaluation and Reduction at LANL. RAC Report No. 19-RACER LANL-2007-Final. July 20, 2007.

^oWilson, L.H., J.R. Rocco, S. Mohler, E.A. Stetar, H. A. Grogan, H.J. Mohler, J. Wilson, B. Jacobs, P.G. Voillequé, and **John E. Till**. 2007. "Decision Support Methodology." Risk Analysis,

^o Independent peer review provided by expert team lead by Dr. F. Ward Whicker, Professor Emeritus, Colorado State University, Fort Collins.

Communication, Evaluation and Reduction at LANL. RAC Report No. 18-RACER LANL-2007-Final. July 20, 2007.

J.E. Till and H.A. Grogan (editors). 2008. *Radiological Risk Assessment and Environmental Analysis*. Oxford University Press, New York. (June 2008.)

J.E. Till. 2008. "The Radiological Assessment Process." Chapter 1 in *Radiological Risk Assessment and Environmental Analysis*. Oxford University Press, New York. (June 2008.)

A.S. Rood, P.S. B. Jacobs, P. Shanahan, J.R. Rocco, L.H. Wilson, H.A. Grogan, **J.E. Till**, H.J. Mohler, and J.W. Aanenson. 2009. "Overview of Environmental Transport Models Contained in the Risk Analysis, Communication, Evaluation and Reduction (RACER) Software at Los Alamos National Laboratory." In *Proc. Waste Management for the Nuclear Renaissance*, March 1-5, 2009, Phoenix, Arizona. Waste Management 2009. www.wmsym.org.

J.E. Till and H.A. Grogan. 2009. "It's the Dose — Strategies for Environmental Dose Reconstruction and Risk Assessment." Proceedings of Toxic Torts and Environmental Law Seminar, March 19-20, 2009, Phoenix Arizona. Defense Research Institute, Chicago, IL 60678-7252.

°J.W. Aanenson, H.A. Grogan, B. Jacobs, G.G. Killough, K.R. Meyer, H.J. Mohler, S. Mohler, J.R. Rocco, A.S. Rood, E.A. Stetar, L.H. Wilson, and **J.E. Till**. 2009. "Ranking Tool Methodology." Risk Analysis, Communication, Evaluation, and Reduction at LANL. RAC Report No. 35-RACER LANL-2008-FINAL. April 2009.

J.E. Till. 2011. "Building Trust, Credibility, and Respect in Environmental Risk Assessment." *Health Physics News*, **39** (5). January.

Mohler, H.J., H.A. Grogan, J.R. Rocco, R.F. Kiefer, and **J.E. Till**. 2012. RACER: Dynamic Use of Environmental Measurement Data for Decision Making and Communication. *Operational Radiation Safety*, Vol. **102**, Suppl 1. February.

J.E. Till, H.A. Grogan, H.J. Mohler, J.R. Rocco, S.S. Mohler. 2012. "An Integrated Approach to Data Management, Risk Assessment, and Decision Making." *Health Physics*, **102** (4), April.

J.E. Till. 2014. "When Does Risk Assessment Get Fuzzy?" 37th Taylor Lecture presented at the annual Meeting of the National Council on Radiation Protection and Measurements, March 11, 2013. *Health Physics*, **106** (2). February.

J.E. Till, H.L. Beck, J.W. Aanenson, H.A. Grogan, J.J. Mohler, S. S. Mohler, and P.G. Voillequé. 2014. "Military Participants at U.S. Atmospheric Nuclear Weapons Testing—Methodology for Estimating Dose and Uncertainty. *Radiation Research*, **181**, 471-484.

J.E. Till, A.S. Rood, C.D. Garzon, and R.H. Lagdon. 2014. "Comparison of the MACCS2 Atmospheric Transport Model with Lagrangian Puff Models as Applied to Deterministic and Probabilistic Safety Analysis." *Health Physics*, **107**, 213-230.

A. Bouville, R. E. Toohey, J.D. Boice, H.L. Beck, L.T. Dauer, K.F. Eckerman, D. Hagemeyer, R.W. Leggett, D.L. Miller, B. Napier, K.H. Pryor, M. Rosenstein, D.A. Schauer, S. Sherbini, D.O. Stram, J. L. Thompson, **J.E. Till**, C. Yoder, C. Zeitlin. 2015. "Dose Reconstruction for the Million-WorkerMillion Worker Epidemiologic Study: Status and Guidelines." *Health Physics*, **108**, 206-220.

G. G. Caldwell; M. M. Zack; M.T. Mumma; H. Falk; C. W. Heath, Jr.; **J. E. Till**; H. Chen; J. D. Boice, Jr.. 2016. "Mortality among Military Participants at the 1957 PLUMBOB Nuclear Weapons Test Series and from Leukemia among Participants at the SMOKY Test." *Journal of Radiological Protection*, **36** (474-489).

J.E. Till, H.L. Beck, J.W. Aanenson, H.A. Grogan, J.J. Mohler, S. S. Mohler, and P.G. Voillequé. 2014. "Military Participants at U.S. Atmospheric Nuclear Weapons Testing—Methodology for Estimating Dose and Uncertainty." *Radiation Research*, **181**, 471-484.

Beck, H.L., **J.E. Till**, H.A. Grogan, J.W. Aanenson, H.J. Mohler, S. S. Mohler, and P.G. Voillequé. 2017. "Red Bone Marrow and Male Breast Doses for a Cohort of Atomic Veterans." *Radiation Research*, **187**, 221-228.

J.E. Till, H.L. Beck, H.A. Grogan, and E.A. Caffrey. 2017. "A review of Dosimetry Used in Epidemiological Studies Considered to Evaluate the Linear No-threshold (LNT) Dose-Response Model for Radiation Protection." *Int. J. of Radiation Biology*. **93**(10) 1128-1144. July 7, 2017. <https://www.tandfonline.com/doi/full/10.1080/09553002.2017.1337280>.

Shore, R.E., Beck, H.L., Boice, J.D., Jr., Caffrey, E.A., Davis, S., Grogan, H.A., Mettler, F., Preston, J.A., **Till, J.E.**, Wakeford, R., Walsh, L., and Dauer, L.T. 2018. "Implications of Recent Epidemiologic Studies and the Linear Nonthreshold Model for Radiation Protection." *Journal of Radiation Protection*. **38**, 1217-1233.

Shore, R.E., Beck, H.L., Boice, J.D., Jr., Caffrey, E.A., Davis, S., Grogan, H.A., Mettler, F., Preston, J.A., **Till, J.E.**, Wakeford, R., Walsh, L., and Dauer, L.T. 2018. "Recent Epidemiologic Studies and the Linear Nonthreshold Model for Radiation Protection—Considerations Regarding NCRP Commentary 27." *Health Physics*. **116** (2), 235-246.

Aanenson, J.W., **J.E. Till**, H.A. Grogan. 2018. "Understanding and Communicating Radiation dose and Risk Cone Beam Computed Tomography in Dentistry." *J. of Prosthetic Dentistry*. **120**(3), 353-360.

J.E. Till, H.L. Beck, J.W. Aanenson, H.A. Grogan, J.J. Mohler, S. S. Mohler, and P.G. Voillequé. 2018. "Dosimetry Associated with Veterans Who Participated in Nuclear Weapons Testing.". *International Journal of Radiation Biology*, DOI, **10.1080/09553002.2018.1551639**

J.E. Till, H.L. Beck, John D. Boice, Jr., H. Justin Mohler, Michael T. Mumma, Jill W. Aanenson and Helen A. Grogan. 2019. "Asbestos Exposure and Mesothelioma Mortality among Atomic Veterans." *Int. J. of Radiation Biology*. **93**(10) 1128-1144. January 8, 2019. <https://doi.org/10.1080/09553002.2018.1551641>.

Rood, A.S, Grogan, H.A., Mohler, H.J., Meyer, K.R., Voillequé, P.G., and **Till, J.E.** 2019. "Reconstruction of Atmospheric Concentrations of Enriched Uranium from the Former Apollo Facility." *Journal of Environmental Radioactivity*, 211 (2020)106045.

Rood, A.S, Grogan, H.A., Mohler, H.J., Rocco, J.R., Caffrey, E. A., Mangini, C., Cartwright, J., Matthews, T., Shaw, C., Packard, M. E., and **Till, J.E.** 2019. "Use of Routine Environmental Monitoring Data to Establish a Dose-based compliance System for a Low-level Radioactive Waste Disposal Site." *Health Physics*. **118** (1), 1-17.

Boice, J.D., Cohen, S.S., Mumma, M.T., Chen, H., Golden, A., Beck, H., **Till, J.E.** 2020. "Mortality among US Military Participants at Eight Aboveground Nuclear Weapons Tests." *Int. J. of Radiation Biology*. DOI: 10.1080/09553002.2020.1787543

Caffrey, E.A., Voillequé, P.G., Rood, A.S., Grogan, H.A., Mohler H.J., Meyer, K.R., and **Till, J.E.** 2021. "Reconstruction of Enriched Uranium Released to Air from the Former Apollo Facility, Apollo, Pennsylvania, USA." *Health Physics*. 120 (4), 417-426.

Mohler, H. Justin, Rood, A.S., Grogan, H.A., Caffrey, E.A., and **Till, J.E.** 2021. "Analysis of Environmental Data to Support Quantification of Historical Releases from a Former Uranium Processing Facility in Apollo, Pennsylvania." *Health Physics*. 120 (5), 495-509.

J.E. Till. 2021. "Distinguished Scientific Achievement Award Presented to Steven L. Simon by the Health Physics Society." *Health Physics*. 121 (6), 537-539.

Boice, J.D., Jr., B. Quinn, I. Al-Nabulsi, A. Anasari, P. Blake, S. Blattnig, E. Caffrey, S. Cohen, A. Golden, K. Held, D. Jokish, R. Leggett, M. Mumma, C. Samuels, **J. Till**, S. Tolmachev, C. Yoder, J. Zhou, and L. Dauer. 2022. "A Million Persons, a million dreams: a vision for a

national center of radiation epidemiology and biology.” *Int. J. of Radiation Biology*, DOI: 10.1080/09553002.2021.1988183.

Dauer, L., André Bouville, Richard E. Toohey, John D. Boice Jr, Harold L. Beck, Keith F. Eckerman, Derek Hagemeyer, Richard W. Leggett, Michael T. Mumma, Bruce Napier, Kathy H. Pryor, Marvin Rosenstein, David A. Schauer, Sami Sherbini, Daniel O. Stram, James L. Thompson, **J. Till**, R. Craig Yoder, Cary Zeithlin. 2022. “Dosimetry and uncertainty approaches for the million-worker study of radiation workers and veterans: overview of the recommendations in NCRP Report No. 178.” *Int. J. of Radiation Biology, special issue*. 98(4). DOI <https://doi.org/10.1080/09553002.2018.1551639>.

J. E. Till, Harold L. Beck, Jill W. Aanenson, Helen A. Grogan, H. Justin Mohler, S. Shawn Mohler, Paul G. Voillequé. 2022. “Dosimetry associated with veterans who participated in nuclear weapons testing.” *Int. J. of Radiation Biology, special issue*. 98(4). 610-618. DOI <https://doi.org/10.1080/09553002.2018.1551639>.

Boice, J.D. Jr., Sarah S. Cohen, Michael T. Mumma, Heidi Chen, Ashley P. Golden, **J. Till**. 2022. “Mortality among U.S. military participants at eight aboveground nuclear weapons test series.” *Int. J. of Radiation Biology, special issue*. (98) (4), 679-700.

J.E. Till, Harold L. Beck, John D. Boice Jr, H. Justin Mohler, Michael T. Mumma, Jill W. Aanenson, Helen A. Grogan. 2022. “Asbestos exposure and mesothelioma mortality among atomic veterans.” 2022. *Int. J. of Radiation Biology, special issue*. 98(4). DOI <https://doi.org/10.1080/09553002.2018.1551639>.

Caffrey, E. A.; Arthur S. Rood., Helen A. Grogan, Colby Mangini, and **John E. Till**. 2023. “Comparison of Doses from Disposals of Technologically Enhanced Naturally Occurring Radioactive Materials in Kentucky and Oregon.” *Health Physics*. 124 (6),441-450.

Rood, A.S., Justin H. Mohler, Helen A. Grogan, Colby Mangini, Emily A. Caffrey, and **John E. Till**. 2023. “Potential Airborne Releases and Deposition of Radionuclides from the Santa Susana Field Laboratory during the Woolsey Fire.” *Health Physics*. 124 (4), 257-284. (Selected Health Physics Journal “Paper of the Year” award.

Caffrey, E.A., Colby D. Mangini, Arthur S. Rood, Helen A. Grogan, and **John E. Till**. “Radon Flux Measurement System.” 2023. *Health Physics*. 125 (3), 232-237.