APPENDIX D

Biographies Of Team Members

LANL Phase II Assessments
Sprinkler System at TA-48, RC-1
Fire Alarm System at TA-55, PF-4

Comprehensive Fire Safety Review
TA-48, RC-1 and TA-55, PF-4

Rick Kendall (Team Leader) is a Senior Electrical Engineer on the Engineering/Design Support Team in the National Nuclear Security Administration (NNSA) Office of the Environment, Safety and Health Operations Support (NA-53). He holds a B.S. degree in Electrical Engineering, an Associates degree in Electronic Technology, and has 23 years experience in the design, operation, maintenance and analysis of safety related systems at nuclear facilities. During the past eleven years at the Department of Energy (DOE) and NNSA, Mr. Kendall has worked on a variety of issues related to the authorization basis for Hazard Category 2 non-reactor nuclear facilities. He had a key role in the Department's response to Defense Nuclear Safety Board Recommendation 2000-2, *Configuration Management, Vital Safety Systems,* including leading the pilot assessment of Building 332 Confinement Ventilation System at Lawrence Livermore National Laboratory. Mr. Kendall served as a member of the Defense Waste Processing Facility (DWPF), F-Canyon, HB-Line, and LANL/TA-55 Facility Control System Operational Readiness Review (ORR) teams, and served for three years as a Mentor on the Los Alamos National Laboratory TA-55 Management Assistance Team in the areas of Engineering and Configuration Management. He also served as a member of the Integrated Safety Management System (ISMS) verification teams at the NTS and Y-12. Mr. Kendall served for two years as the Supervisor of the Safety Assessment Group in DP's Office of Self-Assessment, Safety Diagnostic Division. He led the Augmented Evaluation Team reviews of Emergency and Backup Power Supplies at DOE/DP sites, served on the DOE Task Group on Electrical Safety, and founded the DOE Backup Power Working Group for achieving safe, practical, and effective design, installation, operations, maintenance, and testing of systems and equipment used to provide backup electrical power at DOE facilities. Prior to coming to DOE, Mr. Kendall worked as a Senior Reactor Systems Engineer at the Nuclear Regulatory Commission (NRC), where he was one of their leading experts on electric power, instrumentation, and control systems at commercial nuclear reactor facilities. He served as a member of the NRC Reactor Safety Team responsible for providing the initial response to significant reactor events, completed Incident Investigation Team (IIT) training and routinely participated in IIT and Augmented Inspection Team evaluations of operating reactor events. In April 1988 he received the Meritorious Service Award for Engineering Excellence. Mr. Kendall served for the past fourteen years on the Institute of Electrical and Electronics Engineers (IEEE) Nuclear Power Engineering Committee Subcommittee 6 "Safety Related Systems" which has responsibility for a number of IEEE Standards, including IEEE 603, *IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations* and *IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear Power Generating Stations.*

William Froh (Team Leader) currently works as a Fire Protection Engineer in the Office of Environmental Safety and Health (ES&H) Operations Support, NA-53, as part of the National Nuclear Security Administration (NNSA). He received a B.S. degree in Fire Protection Engineering from the University of Maryland. Mr. Froh is responsible for technical review of NNSA projects and fire protection issues, and has participated in Operational Readiness Reviews/Assessments for several DOE facilities, including the Device Assembly Facility (Nevada Test Site), Zone 4 (Pantex), Defense Waste Processing Facility (Savannah River Site), Consolidated Incinerator Facility (SRS), Plutonium Facility (Lawrence Livermore National Laboratory), and K-Area Material Storage (SRS). He also participated on the team conducting the Integrated Safety Management System review of the Y-12 Plant in Oak Ridge, Tennessee.

He has also reviewed numerous Safety Analysis Reports for various DOE facilities and has conducted fire department Needs Assessments for several DOE sites. While working for the Naval Sea Systems Command (NAVSEA), Mr. Froh was responsible for implementing fire protection upgrades to Navy ships and submarines and establishing firefighting doctrine for the fleet. He also participated in ship and submarine surveys as part of the Navy's Board of Inspection and Survey (INSURV), serving under Admiral John Bulkeley. Mr. Froh is a principal member on two National Fire Protection Association (NFPA) technical standards committees – the Standard on Clean Agent Fire Extinguishing Systems (NFPA 2001) committee, and the Water Mist Fire Suppression Systems (NFPA 750) committee.

David M. Berkey is a management consultant with twenty-four years of experience assisting private and public sector organizations address environment, safety, health, and transportation concerns. His technical support to the U.S. Department of Energy (DOE) since 1978 captures the evolution of the Department's oversight activities, and includes participation in more than 100 assessments covering all principal facilities. He has also performed special studies of DOE operations, including a statistical analysis of nuclear reactor unplanned events and incidents, an investigation of hoisting and rigging incidents, and developing cost estimates and cost estimating relationships for new nuclear weapon systems and environmental restoration projects. Mr. Berkey has also evaluated the impacts of proposed safety regulations developed by the U.S. Environmental Protection Agency, U.S. Occupation Safety and Health Administration, U.S. Department of Transportation, and the U.S. Federal Aviation Administration, and provided expert testimony pertaining to these impacts at Federal government hearings. Additionally, he has assisted private sector firms develop environment, safety, health, and quality assurance programs consistent with Federal regulations and international standards. Recently, Mr. Berkey participated in a review of the open burning event at the Oak Ridge Reservation and a comprehensive fire safety review of the Hanford Site. Mr. Berkey holds Bachelors and Masters degrees in economics from the State University of New York and the University of Maryland, respectively.

Brian T. Debs has over thirty-four years experience in the management, operations and regulation of nuclear power generation and production facilities. He is the recipient of numerous achievement awards from government, private industry and institutions of higher learning. Mr. Debs' education includes Business Administration at Loyola University Chicago and Bachelor of Science in Mathematics from Purdue University. Currently Mr. Debs is a board member of an international management institute and he has previously sat on the World Association Of Nuclear Operators (WANO) International Advisory Council as well as provided representation on the Canadian Nuclear Association board.

Recently in support of the U.S. Department of Energy's comprehensive assessment of fire protection, Mr. Debs was a major contributor during a review of Hanford Site actions regarding Defense Nuclear Safety Board Recommendation 2000-2.

Previously Mr. Debs served as contract executive for the 1.3 billion-dollar recovery of North America's largest nuclear utility. The recovery involved twenty nuclear reactors and a heavy water production facility. He had earlier assisted in the recovery of several utilities such as Tennessee Valley Authority. Mr. Debs also assisted utilities such as Pacific Gas and Electric achieve INPO and NRC's highest performance ratings.

Mr. Debs has supported the commercial nuclear industry as well as DOE and its contractors in the evaluation and implementation of various performance based initiatives. Mr. Debs has led or participated in well over a hundred vertical assessments of industry safety systems. He has also provided configuration management training to nuclear utilities.

As a U.S. Nuclear Regulatory Commission manager, Mr. Debs conducted or directed reviews of thirty one operating nuclear reactor plants including their safety systems. Mr. Debs was a Westinghouse Operations Manager within the U.S. Naval Nuclear Propulsion Program. He is a retired naval officer having served in the nuclear propulsion program.

Dolan Falconer is currently Senior Vice President and Principle Consultant with Parallax, Inc., a nuclear engineering services company providing nuclear safety consultation support to the Department of Energy (DOE). Mr. Falconer has over 22 years of experience in managing, assessing, and evaluating federal and commercial nuclear facilities and programs. He holds both B.S. and M.S. degrees in Nuclear Engineering, from the Georgia Institute of Technology. Mr. Falconer's experience covers both technical and management areas with primary emphasis in nuclear facility safety management, hazard reduction, operational readiness, operation, maintenance and business process evaluation and improvement. He has provided high-level management consultant and technical support to a wide variety of federal agencies including the Department of Energy (DOE); the Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (USACE). An ex-resident inspector with the Nuclear Regulatory Commission (NRC), Mr. Falconer has extensive regulatory and safety management perspective into nuclear safety issues intrinsic to the management, design, operation and maintenance of nuclear facilities. He served on the initial NRC Safety Systems Functional Inspections and Performance-based Assessments conducted in the early 1980's to baseline systemic safety problems impacting commercial nuclear facilities following the Three Mile Island accident. While with the NRC, Mr. Falconer was responsible for the conduct of well over 100 independent nuclear facility safety inspections, assessments and reviews at dozens of commercial nuclear facilities throughout the nation. Over the past several years, Mr. Falconer has provided extensive lead consultant support to the Department in the areas of nuclear safety, fire protection, safety system design and operational readiness. He has served on several Department-commissioned oversight teams such as Safety System Functional Inspection Teams, Tiger Teams, Safety Management Teams, Operational Readiness Review Teams and Environment Safety and Health Risk Assessment Teams. His experience within the Department includes the conduct of fire protection program and system assessments of facilities located at both the Idaho National Engineering and Environmental Laboratory (INEEL) and the Hanford Site. Mr. Falconer was also a member of a DOE Type A Accident Investigation Team that investigated a recent accident at the Los Alamos National Laboratory (LANL) TA-55 facility that resulted in one of the highest radiation overexposures in the history of the Department. In this role, Mr. Falconer was responsible for assessing LANL's emergency response actions including those of the site fire and emergency response personnel.

Harry R. Frisby is a Senior Project Management Specialist with Science Applications International Corporation (SAIC) in Germantown, Maryland. He has 27 years of experience in project management, project performance assessment, cost controls, quality assurance,

configuration management, software development, and project business administration related to Department of Energy (DOE), the Department of Defense (DoD), General Services Administration, and other Federal agencies. Mr. Frisby holds a Master of Science in Systems Management from the University of Southern California and a Bachelor of Science from the University of Illinois.

In the last few years he has provided Program Management support services to Department of Energy Headquarters organizations. Most recently, Mr. Frisby has supported the planning and execution of the requirements in the DOE Implementation Plan for the DNFSB Recommendation 2000-2. Other areas of support included assisting the DP Amarillo Area Office (AAO) with the development of their project management procedure and leading a self-assessment team at the AAO to determine how well the new procedure was being implemented.

He also supported the AAO Phase I Order Compliance Assessment of the 60 DOE orders that were of interest to the DNFSB at the Pantex Facility. Mr. Frisby analyzed AAO procedures for compliance with DOE orders, recommended areas for improvement, and drafted AAO procedures in the areas of Performance Indicators, application of the General Design Criteria, and Project Management.

Other areas of support to DOE included program management support to the Office of Assistant Secretary for Nuclear Energy (NE) where he evaluated Project Feasibility Studies and Conceptual Design Review Reports, assessing the quality and completeness of those documents; developed a tracking system and monitored activities associated with the NE Self Assessment Program for the Gaseous Diffusion Plants, and assisted the NE Office of Uranium Enrichment with program planning, reporting, and control activities

Mr. Frisby was the Project Manager on a support contract to the DOE Office of the Assistant Secretary for Defense Programs (ASDP) where he managed tasks that included analysis of environmental, safety, and health issues; development and operation of a milestone tracking system; evaluation of the effects of the DOE Technical Safety Appraisal Program on Defense Program activities; the development of computer applications to compile, summarize, and analyze DOE data; and administrative support.

He also served on several DOE teams that validated contractor project management systems in accordance with the DOE requirements for project management, configuration management, and quality control. Facilities visited included the West Valley Demonstration Project, Weldon Springs, Gas Centrifuge Enrichment facilities, Coal Liquefaction Pilot facilities, Defense Waste Processing facility, and others.

As an Air Force Officer, he held several Aircraft Maintenance Officer positions in the Strategic Air Command supporting nuclear weapons delivery systems. Also served as the Squadron Ground Safety and Nuclear Safety Officers.

James Kelly is a graduate of Troy State University with a Bachelor of Science in Physical Science. He is a qualified Fire Protection Engineer and a certified Fire Marshal in the State of South Carolina. He holds numerous International Fire Service Accreditation Congress certifications and is an Adjunct Instructor for the South Carolina Fire Academy.

Jim has held a number of Fire Protection and quality assurance positions including those with Fluor-Daniel Construction Company, Arizona Nuclear power Project, NUS Corporation, Westinghouse Savannah River Company, (WSRC), and Westinghouse Safety Management Solutions (WSMS). Throughout his career, Jim has performed assessments of both Quality Assurance (QA) and Fire Protection issues. He has been with WSRC/WSMS since 1990 where he has been responsible for developing, consulting, and assessing QA and Fire Protection programs; developing and implementing engineering, QA, and fire fighter training activities; investigation and resolution of emerging QA and fire safety issues; and providing fire protection engineering services.

Jim is currently a member of the National Fire Protection Association and the Society of Fire Protection Engineers.

Dennis Kubicki is a graduate of the Illinois Institute of Technology with a Bachelor of Science Degree in Fire Protection and Safety Engineering. He possesses a Master's Degree in Business Administration from the University of Maryland and a Master's Degree in Safety from the University of Southern California. He is a registered professional engineer in the state of Delaware.

Dennis has held a number of fire protection engineering positions since graduation, including those with; Insurance Services Office of Maryland, the Maryland State Fire Marshal's Office, the U.S. General Services Administration, NASA, and the U.S. Nuclear Regulatory Commission. Throughout his career he has performed an extensive array of fire safety assessments. He has been with the Department of Energy since 1990 where he has been responsible for developing fire protection policy and standards, performing oversight of (DOE) contractor fire safety programs, implementing fire safety research, developing training courses, and providing fire protection technical assistance to other Departmental entities.

Mr. Kubicki has authored a number of articles on diverse fire safety topics and was editor of DOE's fire protection newsletter "DOE-Nuts." From its inception until the summer of 2000, he was Chairman of the DOE Fire Safety Committee. Dennis is currently a member of the National Fire Protection Association's technical committee for fire safety for nuclear facilities.

Robin Phillips is a technical writer/editor with SAIC. She has more than ten years experience editing for the Department of Energy's Offices of Environmental Safety and Health, Defense Programs, and the National Nuclear Safety Administration. Ms. Phillips accompanies review teams on Operational Readiness Reviews, Integrated Safety Management System verifications, accident investigations, and Headquarters Oversight Reviews across the DOE complex. She assists with the drafting of memoranda, policy documents, letters, and DNFSB responses.

Ms. Phillips earned a Bachelor of Arts degree from Connecticut College for Women and a Master's Degree in Education from the Georgia State University. Prior to her work with DOE, she was a teacher, a curriculum developer, and a trainer for various school districts in the U.S. and businesses in the Washington, D.C. area.

William Radzinski has 27 years plant and facility maintenance experience at LANL. His roles and responsibilities include those of foreman, shift supervisor, plant engineer, and maintenance team leader.

Don Shoemaker is the Maintenance Program Manager for Office of Los Alamos Site Operations. He holds a B.S. Degree in Mechanical Engineering and has 26 years experience in the design, operation and maintenance of nuclear facilities. Mr. Shoemaker's current responsibilities include Maintenance Program analysis, planning and execution at LANL. His work experience includes engineering for nuclear submarine reactor systems, commercial nuclear power plants and DOE plutonium facilities. He has led assessment activities in nuclear safety, environmental regulatory compliance, conduct of operations, and conduct of maintenance at 4 DOE sites including Hanford, Oak Ridge, Rocky Flats, and Los Alamos. Mr. Shoemaker was a member of a plutonium facility Operations Review Committee reviewing maintenance and modification work at Rocky Flats. He has managed nuclear safety analysis programs for NRC licensed facilities and DOE programs. He supported the commercial nuclear power plant Engineering and Regulatory Assurance organizations providing licensing support, mentoring, and training in developing Licensee Event Reports, responses to Notices of Violation, root cause analysis, corrective actions in response to internal audit findings, and safety evaluations. Mr. Shoemaker is a Project Management Institute certified Project Management Professional (PMP).