George Pangburn

EXPERIENCE SUMMARY

Mr. Pangburn has more than 30 years of regulatory experience in the public and private sectors, including extensive operational and policy-making experience in senior-level management positions at the U.S. Nuclear Regulatory Commission (NRC). He is currently a consultant to NRC on technical and policy issues associated with the nuclear materials users and Agreement States programs. He served as Deputy Team Leader for an International Atomic Energy Agency mission to evaluate the nuclear materials program of the Commonwealth of Australia in 2007. He also led development of the NRC's action plan to implement the provisions of the Energy Policy Act of 2005, which included new authority to regulate accelerators. He has extensive NRC Regional experience as a senior Manager, inspector and license reviewer and has served on the staff of NRC's Chairman and Executive Director for Operations. Prior to coming to NRC he worked for Westinghouse Electric Corporation in environmental and site selection analyses of fossil and nuclear energy facilities.

DETAILED EXPERIENCE

Longenecker and Associates - Independent consultant---2009 to present---led teams of Federal and State personnel in conducting an independent assessment of NRC's Integrated Materials Performance Evaluation Program (the vehicle by which Regional and Agreement State performance is evaluated) and a re-evaluation of the fundamental bases of the nuclear materials inspection program. Also served on an Independent Review Team to advise a fuel cycle licensee on resolution of issues leading to restart.

Deputy Director, Office of Federal and State Materials and Environmental Management Programs-2006-2009. Responsible for day to day operations of a new programmatic Office in NRC with a staff of over 200 and a program support budget of 20 million dollars. Supervised budget development, staffing, interaction with other Offices and oversight of the Regional nuclear materials and Agreement State programs. Served as Protective Measures Director on the NRC Executive Team in emergency response exercises. Key accomplishments included successful startup of the new Office, development and implementation of new authority to regulate Naturally Occurring and Accelerator-produced Radioactive Material (NARM), major programs in materials security, low level waste and uranium recovery and interaction with the Agreement States. Served as Deputy Team Leader for a successful IAEA International

Regulatory Review Service mission to review the nuclear materials programs of the Commonwealth of Australia.

Director/Deputy Director, Division of Nuclear Materials Safety, Region I—1997-2006. Directed the efforts of a staff of 50 technical and administrative personnel in implementing nuclear materials safety and security programs including licensing, inspection, incident response, enforcement and allegations. Major accomplishments included successful Regional oversight of decommissioning activities at power reactors (Yankee Rowe, Haddam Neck and Maine Yankee), Agency lead for complex inspection and enforcement action for the lost Millstone fuel rods, and development of a strategy that led to successful source removal and cleanup of an abandoned irradiator in Pennsylvania. Mr. Pangburn's accomplishments in Region I led to his selection as a 2003 recipient of the Presidential Meritorious Rank Award for Federal executives.

Section Leader, Office of Nuclear Materials Safety and Safeguards---1992-1997. Supervised the work of technical staff in the fuel cycle and materials programs in licensing fuel cycle facilities, Regional oversight and budget development for a technical division. Major accomplishments included development and successful implementation of the Integrated Materials Performance Evaluation Program, development of an Agency action plan in response to the Indiana, PA cancer therapy incident, and implementation of a Regulatory Impact Survey for materials licensees.

Technical Assistant, Office of the Chairman and Office of the Executive Director for Operations-1990-1992. Provided policy advice and recommendations to the Chairman and EDO on major program areas, including materials rulemakings, program initiatives, budget and Regional oversight. Areas of emphasis included Part 36 rule for licensing of Irradiators, General Licensing program, revisions to Part 35 medical rule, low-level waste program implementation and the BRC initiative.

Senior Nuclear Safety Scientist, Office of Nuclear Materials Safety and Safeguards—1986-1990. Responsible for technical and policy initiatives in the materials and low-level waste areas. Major accomplishments included implementation of the Governor's Certfication provisions of the Low-Level Waste Policy Amendments Act, interaction with DOE on cleanup of the West Valley site, Uranium recovery financial assurance issues and Regional oversight.

Inspector and License Reviewer, Uranium Recovery Field Office (Denver)—1983-1986. As part of the initial team that started up the new Denver field office, responsible for licensing reviews of uranium recovery facilities, inspection of operating and shut-down mills, interaction with States and coordination with HQ. Major accomplishments included licensing of Exxon Highland mill decommissioning, coordination of Agency response to an abandoned uranium facility in Wyoming and financial assurance instruments for mill licensees. Selected by the American Political Science Association for the Congressional Fellowship Program.

Project Manager, Office of Nuclear Materials Safety and Safeguards, 1980-1983. Responsible for technical and policy aspects of low-level waste licensing programs and coordinating cleanup of Title I uranium recovery sites under Uranium Mill Tailings Radiation Control Act (UMTRCA). Major accomplishments include development of Environmental Impact Statement for Part 61 low-level waste regulations, renewal of the Barnwell SNM LLW disposal license and oversight of cleanup at Grand Junction UMTRCA site.

Senior Scientist, Westinghouse Environmental Systems Department/Energy Impact Associates, 1973-1980. Responsible for environmental reviews of high voltage transmission systems, power plant site selection and socioeconomic impact assessments of fossil and nuclear energy facilities. Major accomplishments include environmental assessment of Intermountain Power Project Direct Current transmission system between southcentral Utah and Los Angeles, socioeconomic impact analyses of nuclear power plant sites in Washington State and marketing of company services to Federal and private sector clients, largely in the western United States

EDUCATION

- BA, Geography, University of Pittsburgh
- MA, Geography, University of Kansas
- MS, Energy Resources, University of Pittsburgh
- Post graduate study in Public Administration, University of Colorado
- Completed Leadership for a Democratic Society program at Federal Executive Institute
- Additional Executive training at FEI and Harvard University's Kennedy School of Government