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## CARL B. “BRADY” HAYNES



### **Director Nuclear Safety and Analysis Naval Reactors**



Mr. Haynes is the Director, Nuclear Safety and Analysis for the Naval Nuclear Propulsion Program (NNPP) and reports to the Deputy Administrator for Naval Reactors with the National Nuclear Security Administration. Mr. Haynes is responsible for oversight of all NNPP activities to ensure that nuclear safeguards measures associated with designs, procedures, operations, radiological controls, quality control, and other elements of control on which nuclear safety is dependent, are not compromised. He is also responsible for safety analyses of naval nuclear reactor plants and serves as the NNPP’s primary liaison with the Nuclear Regulatory Commission on the safety aspects of naval nuclear reactors.

Mr. Haynes was appointed to his current position in September 2018. Mr. Haynes’ line responsibilities include identification of required safety analyses, execution of safety analyses to assess the overall safety posture of naval nuclear reactor plants, and establishment of fuel handling, nuclear material management, and criticality control requirements for laboratory level fuel handling operations. Mr. Haynes also certifies senior nuclear-trained officers, facilitates the reactor safeguards examination process within the Navy, and trains nuclear operators and managers within the maintenance community on the fundamentals of reactor safety within the Naval Nuclear Propulsion Program. Mr. Haynes’ oversight responsibilities include reactor plant design, operations, and maintenance, new and nuclear fuel transportation and handling, and all procedures affecting the safety of nuclear reactor plants.

Mr. Haynes holds a Master’s Degree in Mechanical Engineering and a Bachelor’s Degree in Nuclear Engineering. He started his career with the NNPP in 2001 where he provided technical oversight of naval reactor safety, developed spent fuel-handling controls, and oversaw development of safety analysis reports for submarines and prototypes within the Reactor Safety and Analysis Division of Naval Reactors in Washington, D.C. In 2006, Mr. Haynes moved to the Naval Reactors Reactor Refueling Division where he oversaw development of procedures and equipment for wet fuel processing. In 2008, he transferred to the Puget Sound Naval Shipyard Naval Reactors Representative’s Office where he oversaw aircraft carrier nuclear propulsion plant testing and OHIO Class Refueling Operations and provided technical and regulatory oversight in the areas of Quality Assurance and Radiological Controls. In 2010, Mr. Haynes was appointed as the Naval Reactors Representative, Idaho as the Assistant Manager for Operations of the Idaho Branch Office, overseeing fuel handling operations, environmental, safety, and health, and facilities/infrastructure at the Naval Reactors Facility. In 2016, Mr. Haynes served as the Deputy Director of the Commissioned Submarines Systems Division, providing technical oversight of the OHIO Class ballistic missile submarine fleet, Los Angeles Class submarine fleet, and four Naval Reactors prototype plants.