

April 29, 2008

MEMORANDUM TO: Frank Jacobs
Project Management Branch A
Licensing and Inspection Directorate
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety
and Safeguards

FROM: Aby Mohseni, Deputy Director */RA/*
Licensing and Inspection Directorate
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety
and Safeguards

SUBJECT: CERTIFICATION OF HIGH-LEVEL WASTE REPOSITORY
LICENSE TECHNICAL REVIEWER AND INSPECTOR
QUALIFICATIONS

I have determined, based on my review of your professional background, work experience, training, and education, that you are qualified to perform technical reviews for high-level waste repository licensing at the U.S. Nuclear Regulatory Commission (NRC) and to perform inspection activities for the high-level waste repository.

My review of your professional background indicates that you have 28 years of experience in the nuclear industry, which includes the following:

1. Nine years at the NRC, including over six years during which you have been certified as a Headquarters Transportation Packaging and Dry Storage System Safety Inspector in accordance with Inspection Manual Chapter (IMC) 1246. As an inspector, you led or participated in over 50 domestic and foreign inspections of transportation packaging and dry storage system applicants, certificate holders, fabricators, and licensees, including nuclear power plants implementing Independent Spent Fuel Storage Installations. You participated in Allegation Review Boards and performed inspections to resolve allegations. You participated in reviews of applications for certificates for dry storage systems, as well as associated rulemaking activities and resolution of public comments. You reviewed for approval many new or revised quality assurance program descriptions submitted for transportation packaging and dry storage system applications. You reviewed and provided input on International Atomic Energy Agency draft documents in the area of quality assurance. For over one year, you have served as the lead for the inspection program development and implementation for the proposed Yucca Mountain Project.
2. Three and one-half years with a contractor providing quality programs consulting and technical support to the U.S. Department of Energy-Savannah River Site (DOE-SR). You reviewed technical documents and developed DOE-SR implementing procedures. You were a member of the DOE Headquarters Operational Readiness Review team for

the E-Area Vaults, performing a comprehensive review of the DOE-SR Order Compliance Program and the implementation of the program as it related to the E-Area Vaults. Also, you performed audits and provided quality assurance support for five months at DOE's Fernald Environmental Management Project which was being decommissioned and dismantled.

3. Over 15 years at Charleston Naval Shipyard, with approximately five years in quality assurance, three years in radiological emergency preparedness, and seven years supporting Intermediate Maintenance Activities. You reviewed procurement technical specifications for appropriate quality requirements, prepared letters of instruction for government source inspection, and performed vendor surveys. You developed procedures and facilities for response to reactor accidents and radiological emergencies, and conducted drills and training exercises to evaluate and improve shipyard preparedness. You provided radiological engineering advice, technical guidance, and onsite assistance and training to Navy activities performing nuclear repair and maintenance on submarines and ships. You developed and performed in-depth reviews of technical work procedures and radiological work practices for nuclear maintenance operations.

Your formal education includes a Bachelor of Science in Industrial Engineering. You have completed numerous NRC inspection and technical training courses including: Introduction to Risk Assessment in NMSS (P-400); High-Level Waste Health Physics (H-403); and Licensing and Evaluation of a High-Level Waste Geologic Repository (H-415). You have demonstrated knowledge and application of NRC requirements, policies, Management Directives, guidance and review procedures, and office and division procedures in your many technical and management reviews and inspection assignments. Your formal education, together with your training and work at NRC, provide substantial evidence of your capability to perform technical reviews and inspection activities on high-level waste disposal work at NRC.

Thus, through an evaluation of your employment history and discussions with your Branch Chief, I have concluded that you understand and have satisfied the training and qualification requirements described in IMC 1246, "Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area," dated January 5, 2001, and that you have the necessary skills and experience to perform technical reviews and inspection activities to which you have been assigned. Therefore, you are hereby certified as qualified to perform technical reviews and inspection activities for high-level waste disposal.

Note that IMC 1246 requires post-qualification and periodic refresher training. Section XV, Appendix A, IMC 1246, states that refresher training will be conducted every three years following certification and will be determined on a case-by-case basis.

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