

Waddah T. ALHANAI

Waddah T. Alhanai is a Senior Specialist at the UAE's Federal Authority for Nuclear Regulation. His career in the Energy sector spans three decades. He is currently serving as Senior Specialist of Nuclear Power Plant site suitability at FANR, Abu Dhabi. He was the Team Leader for the safety review and assessment of the site selection, site suitability and site characterization of the UAE's first NPP.

Before joining FANR in 2009, he served in Abu Dhabi's onshore Oil and Gas Industry for 26 years, where he left footprints across a wide range of oil and gas field development activities, reservoir management and special studies. In 1998 he became the Field Development Manager of Abu Dhabi's largest oil fields; Bab and Bu Hasa, at the time when safety culture became part of the mission and vision of Abu Dhabi's multi-national, multi-cultural oil and gas industry operations and activities. Because of this heterogeneity in composition of the industry's workforce, it was felt necessary to integrate safety culture and organizational culture at the different levels of human performance:

- Individual differences (personal alignment vs. technical alignment)
- Intra- and inter-group interactions (Group Dynamics level)
- Leadership (and management) level;
- Organizational/corporate behavior level (organizational culture level); to maintain management system/style and culture of the organization closely knitted
- External influences (social, economic, socio-economic, political, geo-political, demographic,), that could lead to changes in attitude, values, beliefs, taste of the members of the heterogeneous workforce

In 2001, he was seconded to Abu Dhabi National Oil Company (ADNOC) as an Advisor and later as the Manager of ADNOC's oil and gas Reservoir Engineering and Technology Support, where he supported the operational and technical capabilities across ADNOC's Exploration and Production Directorate, based on observed business requirements, and gave input to technology strategy planning, identified UAE and foreign staff to participate in specific projects, and follow-up/monitor their development to the effect of building a technologically-capable, safety-culture-based UAE work force.

He is the author of more than 40 scientific and technical papers, articles, reports and studies. He is a member of several professional societies, and has served as a technical paper reviewer, a board member and Middle East Director of professional societies, and as a Technical Committee Chairman of ADIPEC 2002 and other international conferences and symposia.

He has a B.S degree in Chemistry from the American University of Beirut, followed by three Masters Degrees in Physics, Applied Mathematics and Energetics from Marquette

University and the University of Wisconsin, and a Doctorate in Fluid Mechanics in Porous Media from the University of Bordeaux, France.