

Radiation Hazards in the Oil & Gas Industry in KSA: A Comprehensive Analysis and Best Practices for Control and Management

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Radiation Hazards in the Oil & Gas Industry in KSA: A Comprehensive Analysis and Best Practices for Control and Management

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Abstract

Radiation hazards in the oil and gas industry present a significant concern in the Kingdom of Saudi Arabia due to the potential risks they pose to human health and the environment. By understanding the specific context of radiation hazards, control, and management practices in the Saudi Arabian oil and gas industry, the paper can investigate the various sources of radiation, including naturally occurring radioactive materials (NORM) and technologically enhanced naturally occurring radioactive materials (TENORM), and their prevalence in the industry. With an in-depth understanding of radioactive materials, the oil and gas industry in the Kingdom of Saudi Arabia, with the support of regulatory bodies, will be able to demonstrate an appropriate standard for radiation safety and radioactive material management to meet the interests of the oil and gas industry and to ensure public safety by emphasizes the need for comprehensive risk assessment and mitigation measures tailored to the local context. Overall, this Paper provides insights into the unique aspects of radiation hazards, control, and management practices in the Saudi Arabian oil and gas industry, with a focus on promoting safety and sustainability.

Speaker Bio

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