

Radiation-Based Technologies in Saudi Aramco

Khalid A. Mously, Rafat Nassar,
Michael Cowie

Environmental Protection
Department, Saudi Aramco

ABSTRACT

Saudi Aramco (SA) is considered one of the largest users of radiation-based technologies in the region; these provide significant benefits in both industrial and medical applications. The company ensures that employees' exposure to ionizing radiation is kept as low as reasonably achievable by developing and implementing radiation protection standards and instructions which fully comply with national & international standards and current best practice.

Saudi Aramco has developed the industry's most integrated, comprehensive Manmade Ionizing Radiation Sources (MIRS) strategy to ensure all aspects of radiation protection are controlled and optimized.. The objective of SA MIRS strategy is to promote the safe use of manmade ionizing radiation company-wide through technical guidance and consultation on radiation protection. The MIRS strategy aims to ensure progress by:

- Enhancing the control of MIRS
- Monitoring the compliance of MIRS users
- Enhancing radiation protection in the workplace
- Enhancing the radiation protection knowledge base

This presentation will provide an overview of the ionizing radiation-based technologies that are utilized in SA and highlight the key components of SA MIRS strategy.