



ALAA ABDULRAHMAN

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Gender: Male **Date of birth:** 21/03/1990 **Nationality:** Egyptian

ABOUT ME

Experienced radiation protection physicist in several industrial sectors. Worked for major oil and gas companies in Middle East, developed an experience of 7 years in practical field work, auditing, designing procedures & safe practices for radiation protection including training programs and safety Manuals. Also acts as first responder for emergency events and leads emergency teams for radioactive sources remedial during radioactive accidents.

My expertise are extended in several fields including industrial radiography, transportation of radioactive sources, Health Safety and Environment. I have good knowledge related to NORM assessment, decontamination and treatments.

WORK EXPERIENCE

STAR INTERNATIONAL FOR NDT SERVICES

City: JUBAIL

Country: Saudi Arabia

Main activities and responsibilities:

- Prepare radiation safety manuals, training procedures and emergency response plans.
- Managing the as low as reasonably achievable (ALARA) program radiation procedures and controls.
- Prepare and submit all the required documents for new company license (permanent / temporary) or renew company license and Radiation Safety officers Licenses according to NRRC (Nuclear and Radiological Regulatory Commission of Saudi Arabia).
- Liaise with NRRC in radiation related matters including the import/export processes and safeguards.
- Provide radiation awareness training and scheduled refresher trainings to radiation workers and maintaining all the records.
- Responsible for set up source storage bunker,(Temporary or Permanent) according to NRRC and Saudi Aramco regulations.
- Preparing vehicles used to transport radioactive materials that are used in the industrial radiography according to NRRC and Saudi Aramco regulations and making periodic inspections for it.
- Coordination for the resolution of radiation safety issues and assessment of risk involved during all exposure in radiography to minimize risk factors by strict compliance of safety requirements of the radiation safety manual.
- Ensure safe Handling for all sealed sources that are used for industrial radiography such as IR-192, SE-75 during the loading and unloading process.
- Responsible for inspection and servicing of all radiographic exposure devices, Projectors, controls, and guide/extension tubes.
- Investigate and report all incidents involving over- exposure to ionizing radiation, any leak or malfunction of the radiation sources.
- Participate and make a plan in case of radiation emergencies, emergency response drill and provide preliminary reports and help ending emergency events.
- Ensure that only radiation workers and assistants who are qualified or certified, and who are competent and trained in radiation safety conduct radiation related activities and maintaining their dose records.
- Ensure personnel exposure monitoring (Thermo luminescent dosimeter (TLD) Badges), Area radiation survey, radiation leak test (wipe Test) and calibration of radiation survey meters is conducted as per the requirements of NRRC and Saudi Aramco and make sure that calibration and maintenance is being performed to all equipment required calibration.
- Ensure periodic inspections and visits to radioisotopes storing bunkers including radiation assessments records, radioisotopes log to be verified and review security camera for any faults periodically.
- Perform scheduled and unscheduled visits for inspection/audit to sites to ensure work compliance with the radiation safety procedures.
- Attend and represent company meetings with client for any verification regarding radioisotopes and radiation safety in client sites.
- Ensure radiation sources are not transported between Saudi Arabia locations without police permits and maintain records of such events.
- Ensure radiation workers annual check-ups to be done and recorded.

[08/2020 – Current] **Environmental and Health Safety Engineer**

STAR INTERNATIONAL FOR NDT SERVICES

City: Jubail

Country: Saudi Arabia

Main activities and responsibilities:

- Formulate EHS policies, procedures, objectives and targets and implement audit programs so as to achieve the company's goals and meet regional and government EHS workplace requirements.
- Develop Safety Plans and risk assessment.
- Manage EHS issues and concerns that may arise during job site or workshop activities.
- Investigate and report to the management incidents and accidents occurring on site and identify the root cause of the problems and recommend remedial and preventive measures including the necessary actions to prevent recurrence of such incidents.
- Ensure compliance with local regulation and cooperate requirements.
- Perform EHS inspections and audits to identify potential hazards.
- Establish and maintain EHS documentation and keep updated files of mandatory safety rules and regulations, training, inspection and audit records to ensure EHS activities are properly documented and filed according to needs.
- Prepare and conduct EHS training programs for all departments and develop materials for training.

[10/2014 – 06/2016] **Radiation Safety Officer**

STAR INTERNATIONAL FOR NDT SERVICES

City: Turaif

Country: Saudi Arabia

Main activities and responsibilities:

- Make sure all Industrial Radiography comply on Government regulations and closely monitored in compliance to the safety requirements of the Government regulating body of Saudi Arabia ,i.e. K.A.CARE.
- Supervise daily NDT (RADIOGRAPHY) operations and report the status to Operations manager.
- Provide safety materials and training to the technicians and maintaining all the Records.
- Prepare documents for export and import of radioactive sources.
- Orient new employee for safety and health program.
- Monitor NDT technician requirements referred by Radiation safety procedures i.e. (TLD, Survey meter EPD and monthly TLD dose report) and client safety procedure.
- Ensure periodic inspections and leak test for radiography projectors and ancillary equipment.
- Review all required equipment, materials and instrument needed in project.
- Visit sites and make necessary arrangements regarding Radiation Safety.
- communication with SAFEGUARDS related nuclear material documents.
- Control the documentation of all the activities related to radiation safety.

EDUCATION AND TRAINING

- [Current] **Management and Control of Naturally Occurring Radioactive Material (NORM)**
International Atomic Energy Agency (IAEA)
Address: Vienna, Austria
- [Current] **NEBOSH International General Certificate in Occupational Health and Safety**
NEBOSH
Address: United Kingdom
- [Current] **Occupational Radiation Protection based on General Safety Guide No. GSG- 7**
International Atomic Energy Agency (IAEA)
Address: Vienna, Austria
- [01/2021 – Current] **Industrial Radiography Radiation Safety Officer (IRRSO)**
Nuclear and Radiological Regulatory Commission of Saudi Arabia(NRRC)
Address: Saudi Arabia
- [01/2019 – Current] **Internal Audit Training Session for ISO 9001:2015**
Quality Core Consultancy Services LLC
Address: Saudi Arabia
- [04/2016 – Current] **NDT Level II in Radiography Testing (RT II)**
STAR INT'L NDT SERVICES
Address: Saudi Arabia
- [03/2016 – Current] **NDT Level II in Magnetic Particle Testing (MT II)**
STAR INT'L NDT SERVICES
Address: Saudi Arabia
- [03/2015 – Current] **NDT Level II in Penetrant Testing (PT II)**
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Address: Saudi Arabia

[03/2015 – Current] **NDT Level II in Ultrasonic Testing (UT II)**

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[04/2015 – 04/2020] **Industrial Radiography Radiation Safety Officer (IRRSO)**

King Abdulla City for Atomic and Renewal Energy(KACARE)

Address: Saudi Arabia

[08/2008 – 05/2012] **Bachelor Of Science , Physics**

MENOUFYIA UNIVERSITY

Address: Egypt

DIGITAL SKILLS

Nuclear Material Security | Nuclear Measurements | NDT | Radiation Safety | Gamma Coincidence | Solid State Physics | RAM Transportation | Radiation Contamination Removal | RAM Storage | Positron Annihilation | Nuclear detectors | NORM Surveys | Neutron Activation | Scientific Research | Laser Science | Elementary Particles | Quantum Mechanics | Nuclear and Radiation Equipment | Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Team-work oriented | Organizational and planning skills | Motivated | Reliability | Critical thinking | Creativity | Strategic Planning | Research and analytical skills | Flexibility | Excellent writing and verbal communication skills | Good time management | Teamwork | positive thinking | Good Communication | Problem-solving | Excellent organizational planning and solving problems in short time | Ability to Work Under Pressure | Efficient multi-tasking | Good at being proactive and efficient in high stress situations | NORM Management and Radioactive Waste

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1