



هيئة الرقابة النووية والإشعاعية  
Nuclear and Radiological Regulatory Commission

# NRRC Environmental Radiological Monitoring Laboratories

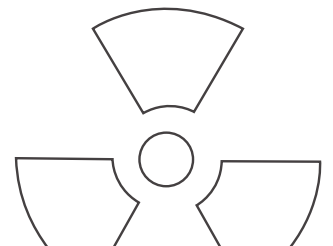
- In accordance with the NRRC's Statute as well as its role in the National Nuclear and Radiation Emergency Response Plan, NRRC established and run an environmental radiological monitoring laboratories. These radiological monitoring laboratories are conducting radioactivity measurement of alpha, beta and gamma emitters in different environmental media as well as radiation dosimetry, radon gas and elemental chemical analysis using up-to-date equipment with qualified personnel.



*Measurements of Radiation Exposure for Workers in the Field of Radiation and Environmental Exposure*



NRRC-ERML



- These facilities are currently engaged in establishing and running national baselines for radiation doses and radionuclides' levels in various environmental components.
- They provide assistance to the NRRC Nuclear Emergency Center and the Decision Support System.
- The laboratories provide support and assist inspection and regulatory control processes.
- The laboratories support national (governmental and private) entities who have radiological practices.
- The laboratories are participating in proficiency tests and interlaboratory comparison exercises with IAEA and the ALMERA network.



*Chemical Separation of Radioactive Isotopes*



*Air Sampling Techniques*



*Air Sampling and Radiation Precipitation in Nuclear Emergencies and Filter Counting*