



Radiation:

Licensing, Monitoring, Surveying & Auditing

GeoQuest Ltd. Provides Tailor-Made Solutions to fit all Your Environmental Needs

License:

- Radioactive Minerals and other Material
- XRF - Licensing

Design and Implement:

- Monitoring Programs
- Stand Alone Surveys

Onsite and Laboratory Analysis:

Radon (Air, Water)

- Indoor Housing / Offices
- Filling / Building Material
- Outdoor Environment
- Underground Mines
- Ground-, Surface & Household Water

Radionuclides (Dust, Soil, Bedrock, Water, Leachates, Biota)

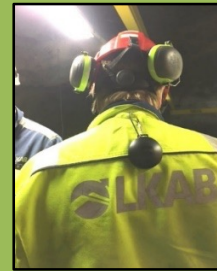
- Underground & Open Pit Mines
- Mine Waste, Dumps & Tailings
- Ground-, Surface & Household Water
- Residential Areas
- Vegetation and Animal Life

Auditing:

- Annual
- Bi-Annual
- As Stipulated by Authorities

References:

- Kansanshi, 2nd Opinion, Monitoring of Radionuclides (K-40, Bi-212, Bi-214, Pb-212, Pb-214, Ra-226 and Rn-222) in solids and water.
- Denison Mines, Radon Monitoring & Background Radiation K, U, Th
- African Energy Resources, Radon Monitoring
- Zambia Information and Communications Technology Authority, National Baseline Survey on exposure levels from radiation originating from electromagnetic fields.



Radon Dosimeters (SHE & Environment)

Ionisation Radiation Protection Act No. 25 (2005): Radiation Protection Authority (RPA)



Water Sampling, Radionuclides

As Required by Zambia Environmental Management Agency (ZEMA) and RPA.



Soil Sampling, Radionuclides

As required by RPA, ZEMA and Stated in the Project Environmental Management Plan



Wind Blown Dust Sampling, Radionuclides