



ATOMIC ENERGY COUNCIL

INSPECTIONS

MANDATE

- To regulate the peaceful applications and management of ionising radiation for the protection and safety of society and the environment from dangers resulting from ionising radiation.
- Provide for the regulation of the development of nuclear energy for use in power generation in compliance with international safety requirements.
- Advise government and other agencies on matters within the competence.

VISION

To be a centre of excellence in regulating peaceful applications of ionising radiation

MISSION

To provide for the safety and security of society and environment from the dangers of ionising radiation

FACILITIES INSPECTED BY AEC

The AEC inspects medical facilities with the following applications of ionising radiation;

a. Medical Applications

Diagnostic X-ray Machines, Fluoroscopy Units, Computed Tomography (CT), Radiotherapy, Nuclear Medicine, Brachytherapy, Dental X-rays, Mammography, etc.

b. Industrial Applications

Nuclear gauges (Level, Moisture, Density), Well logging, Industrial X-ray Scanners, Industrial Radiography, Industrial Computed Tomography, Baggage Scanners, etc.

c. Agriculture and Research

Tsetse fly eradication, Tracer studies, Soil sampling, Research in Physics

TYPES OF INSPECTION

a. Pre-authorization inspection

Prior to a practice starting work with radiation sources (to confirm structural shielding and other safety issues)

b. Final inspection

Cessation of operations leading to termination of an authorization (e.g. to confirm a decontamination report; the removal of warning signs, etc)



Inspection of Computed Tomography, Kampala



Inspection of underground tunnels at Karuma

c. Announced inspections

Regular inspections to identify changes which might require a review of safety and / or modification of the conditions of the authorization

d. Unannounced inspections

This is conducted at varied intervals, particularly of potentially high risk practices.

Additional inspections may be required:

In the event of abnormal events such as safety related incidents or accidents; or should there be significant changes in the practice (structural alterations, new types of radiation sources, changes in key personnel)

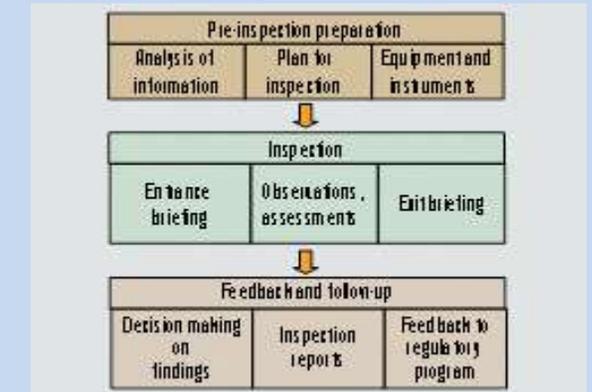
ENFORCEMENT INSPECTIONS

When a facility is found to have a number of safety and regulatory violations, enforcement action may be taken after the inspection. The action may include temporary closure of the machine, revocation of suspension of license, impose fines or take legal actions in accordance with the law.

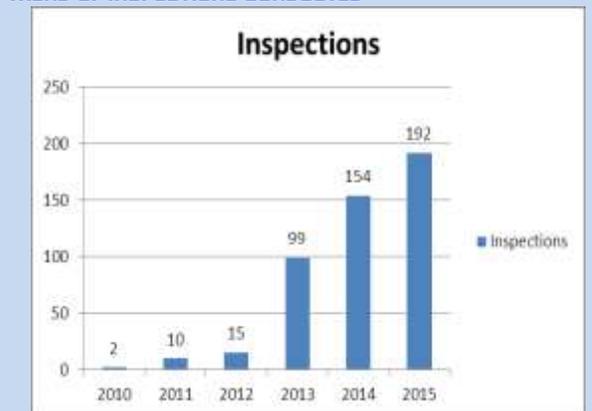


Inspection of X-ray Machine at B.O.U medical facility

INSPECTION PROCEDURE



TREND OF INSPECTIONS CONDUCTED



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