



IAEA Incident & Trafficking Database (ITDB)

IAEA information system on incidents of nuclear and other radioactive material out of regulatory control

INCIDENT NOTIFICATION FORM

Part 1 only

☒ Initial Notification

ITDB Key: 2024-04-023

☐ Update on Previous Incident

WebINF Key: KEN-24-002

PART I – Basic Info and Material Involved

Information provided in Part I will be disseminated by the IAEA to all States participating in the ITDB programme and selected International Organizations.

Incident Date:	30 December, 2016	Country:	Kenya
Incident Type:	Theft	Location:	Soilo, Nakuru County
Malicious Use:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Latitude / Longitude:	-0.281 / 36.038
Trafficking:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Location Details:	A construction company notified the Regulatory body that its Nuclear gauge (Model 3500, S/no. 1849) was stolen from its storage room in Soilo, in the outskirts of Nakuru county.
Incident Group:	Group II		

Materials involved in the incident

SEALED RADIOACTIVE SOURCES

Nuclide	Activity Level	Dose Rate	Additional Details <i>Device, Material Application, Notes</i>	Category (RS-G-1.9)
Cs-137	10 mCi Label/Certificate, 2013-11-22	14.2 µSv/hr Measuring distance: 1 m Date measured: 2017-01-06	Device: Troxler, 3500, 1849 Application: Industrial - Moisture density gauge	5
Am-241/Be	40 mCi Label/Certificate, 2013-11-22	14.2 µSv/hr Measuring distance: 1 m Date measured: 2017-01-06	Device: Troxler, 3500, 1849 Application: Industrial - Moisture density gauge Notes: road construction	4

ADDITIONAL COMMENTS ABOUT THE MATERIAL

A construction company notified the RPB on 30th December 2016 that their nuclear gauge (Model 3500, Serial No. 1849) was stolen from its storage room, in a place called Soilo in the outskirts of Nakuru town. The matter had also been reported to Nakuru Central Police Station. The activity for the device provided was: 40mCi for Americium-241/Beryllium, and 10mCi for Cesium 137 (dated in November 2013). Dose rate readings on the surface of transport case, at the handle and at the bottom of the gauge were 14.2, 68 and 131 µSv/hr respectively.

MATERIAL RECOVERY / REGULATORY CONTROL

Based on the latest available information, was the material recovered, seized or otherwise placed under regulatory control? (please leave blank if not applicable)

☒ Yes ☐ Partially ☐ No



IAEA Incident & Trafficking Database (ITDB)

*IAEA information system on incidents of nuclear and
other radioactive material out of regulatory control*

ZAPHANIA MUKAKA

23 April, 2024

Authorised Person Submitting Notification

Date

WebINF Attachments

Attachment 1: nuclear gauge.jpg

