

Full Report

Item Number: NC080020

Last Updated: 05/15/2008

Narrative:

A load of scrap metal loaded into a truck for shipment from L. Gordon Iron and Metal in Statesville, NC tripped their radiation monitors upon exit from the facility. The load was stopped and sorted. A piece of aluminum sheeting containing a circular piece of metal was isolated that caused the trip. A health physicist from the Radioactive Materials Branch visited the site to assist with identification of the radioactive material. A portable Identifinder spectral analyzer identified the radioactive material as radium 226. Based on previous findings, this circular ring is a military use radioluminescent deck marker.

The deck marker been isolated on site and will be picked up by the military for disposal. The estimated activity of the deck marker, 5 microcuries, is based on Internet reviews and discussion with the military. This activity meets reporting requirements for Radium 226, but the military is of course not a licensee of North Carolina.

Event Date: 05/06/2008

Discovery Date: 05/06/2008

Report Date: 05/06/2008

Licensee/Reporting Party Information:

Name: L. GORDON IRON AND METAL
City: STATESVILLE

License Number: NON-LICENSEE
State: NC **Zip Code:** 28677

Site of Event:

Site Name: STATESVILLE

State: NC

Additional Involved Party:

Name:
City:

License Number:
State: **Zip Code:**

Other Information:

Reportable Event:	Y	Reciprocity:	NONE
Atomic Energy Act Material:	N	Abnormal Occurrence:	N
Investigation:	Y	Include in Transfer File:	Y
Consultant Hired:	N	Event Closed:	Y

Corrective Actions Information:

Action Number: Corrective Action:
OTH

1 MATERIAL RETURNED TO ORIGINAL OWNER

Source of Radiation:

OTH

Source Number: 1

Source/Radioactive Material: SEALED SOURCE LUMINOUS
Manufacturer: NA
Model Number: NA
Serial Number: NA

Radionuclide or Voltage (kVp/MeV): RA-226
Activity: 0.000005 Ci 0.000185 GBq

Reporting Requirements:

OTH

Reporting Requirement: 15A NCAC 11 .1645(a)(2) - Each licensee shall report within 30 days after the occurrence of any lost, stolen or missing licensed radioactive material in a quantity greater than 10 times the quantity specified in Appendix C 10 10 CFR 20.1001 - 20.2401.

Keywords:

OTH

RADIOACTIVE MATERIAL AT SCRAP METAL FACILITY

References:

Reference Number:	Entry Date:	Retraction Date:	Coder Initials:	Reference Type:
NC 08-20	05/12/2008		GAS	AGREEMENT STATE EVENT REPORT