

INDUSTEEL (Belgium)
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ATTESTATION

Charleroi, April 5th, 2019

Object: *precautions taken to avoid influence from raw material (steel scrap) contaminated with radioactive matter*

Background

In the last few years some cases have been reported from different countries about imported scrap-metal, which have been contaminated with radioactive matter. With an increasing demand for recycling of material in the industry, this might be a problem which needs special attention and calls for precautionary measures to be taken.

Measures taken by Industeel Belgium

1. General measures:

Systematic check of incoming goods and raw material:

- by truck, by means of fixed gantry of detectors;
- by train, by means of fixed gantry of detectors;
- by boat, by means of a detector fixed to the grapnel.

2. Special measures

Systematic check of steel radioactive level at each heat, check performed in the melting shop laboratory with specific equipment, and systematic and continuous check of the dust before storage in the silo by use of a fixed detector.

These precautionary measures have been taken in order to avoid any risks of contamination of our products and to reduce the risk of contamination of our installations.

In all cases the radiation level is < 100 Bq/g.

Whatever the considered steel may be, its radioactivity level has a value below the regular limit effective dose for the general public, which is 1 mSv (milliSievert) per year. It is also below the worldwide middle effective dose, calculated by the UNSCEAR (United Nations Scientific Committee on the Effects of Atomic Radiation), for the ionizing radiation emitted by natural sources (soil, cosmic rays ...), which is 2.4 mSv per year.

The steels delivered by the plant of Industeel Belgium are in conformity with the 2013/59/EURATOM Directive; i.e. they do not imply any radioactivity exposure growth, due to natural sources of radiation, of workers or the general public.



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