

BRITISH STEEL  
Brigg Road,  
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North Lincolnshire,  
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## **Monitoring for Artificial Radioactive Material in Scrap and Steel Products**

British Steel recognises the potential for the introduction of artificial radioactive material into the steelmaking process via scrap metal that is added during steel manufacture.

To prevent any radioactive material additions, all scrap coming onto the site is checked for the presence of radioactive material at the BOS plant weighbridge via the drive through detection system. The system used is the Redeem VEH Series GN 357-CR7 which is used to detect gamma and neutron radiation. This detection system complies with the requirement for detection systems as described in IAEA standard SSG-17 "Control of Orphan Sources and other radioactive material in the metal recycling and production industries".

Additional checks are carried out on the scrap as it enters the scrap pan which has a gamma radiation detection system, and by monitoring for gamma radiation in the fume emitted during production.

Each cast is checked in the BOS laboratories and are considered to be satisfactory at levels <0.1 Bq/g.

Yours sincerely

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