MARCEGAGLIA

MSSL POLICY FOR THE CONTROL OF RADIOACTIVE CONTAMINATION

Marcegaglia Stainless Sheffield Limited's operations at the SMACC (Stainless Melting and Continuous Casting) meltshop in Sheffield, UK, produces sustainable semi-finished stainless and high alloy steel continuously cast products in the form of slabs, blooms, and billets for a global market. SMACC is committed to complying with legislation to control radioactive contamination.

The International Atomic Energy Agency Safety Standard SSG-17: Control of Orphan Sources and Other Radioactive Material in the Metal Recycling and Production Industries (2012) provides guidance on the suitability of scrap metal for recycling. All incoming scrap, raw materials and fluxes are screened for radioactivity. Material where radioactive contamination has been detected shall not be used.

Samples are taken during all meltshop production processes and tested for radioactivity via Exploranium, using the manufacturer's recommended calibration and analysis techniques in accordance with guidelines issued by the International Atomic Energy Agency, with an alarm level of 0.1 Bq/g equivalent to Co-60. A statement to this effect can be included on the Inspection Certificate upon request.

Any material found to be contaminated by radiation shall not be processed further or allowed to leave site as waste product until the appropriate waste management controls have been imposed, in consultation with a site Radiation Protection Supervisor and the Environment Manager.

Continuously cast long products are the primary feedstock for the downstream processes at Alloy Steel Rods (ASR) and Sheffield Stainless Rolled Bar (SSRB). If SMACC feedstock is not utilised, the requirements for controlling radiation shall be cascaded to the Supplier.

Liam Bates
President, Long Products

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