

March 2, 2023

Re: Radiation Detection for Incoming Materials at Nucor-Yamato Steel

In order to assure no radioactive materials enter the process at Nucor-Yamato Steel, radiation detection equipment is in place at all entry points to the plant site (truck, rail and barge). This detects any radioactive flux, alloys or scrap as it enters the plant. A quarantine area is established if a radioactive source is detected. With this in place, no radioactive flux, scrap or alloys can enter the process.

Additionally, radiation detection equipment is used at each ladle metallurgy furnace station (LMF). This is a redundant check for every heat. If there ever were to be radioactive scrap melted, that heat of molten steel would not be processed any further. Any contamination in the Melt Shop would then be addressed.

Finally, procedures are in place to respond to a radioactive alarm. It is to the benefit of Nucor-Yamato Steel, as well as the customer, to assure that radioactive materials are never introduced into the steelmaking process.

We trust that this information will answer your questions regarding the detection of potential radioactive materials at Nucor-Yamato Steel. If we can be of any further assistance, please feel free to contact us.