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United States Nuclear Regulatory Commission
Materials Safety Branch
Division of Industrial and Medical Nuclear Safety
Attn: Ujagar S. Bhachu
Two White Flint North
11545 Rockville Pike
North Bethesda, MD 50852

Re: Scan Technologies, Model CM100 Coke Moisture Gauge

Dear Mr. Bhachu,

In June of 2002 we submitted an application for SS&D registration of the CM100 Conductive Material Moisture monitor. The SS&D registration no: NR-0469-D-101-S was granted on October 22, 2002. The CM100 is a C-frame device and the measurement gap is chosen to suit the application and will be in the range of 400 to 800 mm. This was explained on page 12 of our application document and also shown in figure 9, on page 30.

The SS&D registration does not specify the range of measurement gaps and the sketch on page 11 of the document shows a measurement gap of 400 mm. We explained in our application that the collimation angle would be reduced as the frame gap increased. For this reason we submitted radiation profiles for the 400 mm gap (widest collimation) as a worse case scenario. If a larger measurement gap is used the dose rates in the vicinity of the radiation beam would be lower.

Could you please confirm that the CM100 may be supplied with measurement gaps in the range of 400 to 800 mm as requested in our application? If so, could the SS&D be updated to show the requested range.

Yours sincerely,

Carl Baldwin

Carl Baldwin
Radiation Safety Officer