

RECD SEP 19 1997

September 15, 1997

Radioactive Materials Program
Attn: Eric Jameson
4244 International Parkway Suite 114
Atlanta, GA 30354

Dear Eric:

This letter concerns the application for Sealed Source & Device evaluation filed with your office for the COALSCAN 2600 device. There have been a few changes in the device name and model numbers and one change in the isotope configuration. This is presented in the revised application attached and is summarized below.

COALSCAN 2600	Ash Monitor	Am-241 and Cs-137
TBM-201	Moisture Monitor	Cs-137
TBM-202	Moisture Monitor	Not Nuclear-based
COALSCAN 2800	Ash and Moisture Monitor	Am-241 and Cs-137

The moisture sensor, if present, utilizes a microwave-based measurement technique and is not important to this discussion. The ash measurement is performed by a dual-isotope gamma gauge (Device) utilizing both Americium-241 and Cesium-137 sealed sources. The TBM-201 contains only the Cs-137 isotope. Other non-nuclear sensors may be added in the future. However, none of these potential non-nuclear sensor changes will impact on the Device.

Presently, only COALSCAN Model 2600, COALSCAN 2800 and TBM-201 contain by-product material in a Device. For the purpose of this application there is no difference between the COALSCAN Models 2600 and 2800 and TBM-201. Each model contains an identical device and C-frame mounting. The only difference is in the isotopes utilized and the presence of other non-nuclear sensors. It should also be noted that the radiation profiles remain exactly the same for the TBM-201, COALSCAN 2600 and COALSCAN 2800. This is due to the presence of Cs-137 in each gauge. The Am-241 contributes a negligible amount to the radiation profiles.

I have attached a revised copy of the SS&D application dated September 14, 1997 Rev.01. All of the changes from the initial application are highlighted green. This application should replace Rev. 0 in entirety. I have also attached revised copies of the documentation supplied to customers, 'Radiological Safety and Legal Requirements Supplement to Operators Manual', and the 'Field Safety Radiation Safety Procedures' manuals, reflecting the name changes.

If you have any questions concerning this application, please let me know.

Sincerely,

If you have any questions, please don't hesitate to contact me.

Sincerely,



Jack Ramsey,
General Manager/
Radiation Safety Officer

Attachments: Three