



The Ohmart Corporation

4241 ALLENDORF DRIVE

P.O. BOX 9026

CINCINNATI, OHIO 45209

April 20, 1967

U.S. Atomic Energy Commission
Division of Materials Licensing
Washington, D.C. 20545

Attention: Mr. William O. Miller

Gentlemen:

Please ammend GL-101 to include a modified configuration of the Ohmart Model BW belt weighing scale. This unit will be used on a coal fee , manufactured by Babcock & Wilcox and will be called the Model BWGL.

The attached material lists the features of the Model BWGL.

Sincerely,

THE OHMART CORPORATION

H.L. Cook, Jr.

H.L. Cook, Jr.
Vice President

HLC/pat

CC: A.E.C.
S. Rowe

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• WORLD LEADER IN PROCESS CONTROL THROUGH NUCLEAR ENERGY •

Attachments not duplicated for convenience. 4/24/67

SEALED SOURCE

The model BWGL uses the Ohmart A-5771 CS-137 sealed source. For the size of feeder shown on drawing C-7029, the activity will be a maximum of 50 millicuries. The maximum activity which will be used for any size of feeder is 100 MC.

RADIATION FIELD INTENSITY

A radiation survey is shown in drawing C-10886. Since this survey was made with four inches of coal on the conveyor, the numbers below the cell will increase by about 30% when the conveyor is empty.

As shown on drawing C-10886, the maximum field intensity is 4.5 MR/HR on the surface of the shroud around the source holder. Thus, personnel are not apt to receive more than 0.5 rem per year under ordinary circumstances of use.

WIPE TEST INTERVAL

Several hundred Model BW gages have been distributed to specific licensees. None of these devices has ever indicated leakage of the radioactive material to the external surface of the device. Since the Model BW is approved for a three year wipe test interval and since the source and source holder details are, essentially, identical, a three year wipe interval is recommended for the Model BWGL.

In accordance with 10CFR 31.5, the device will be tested for leakage at the time of installation.

SERVICES PROVIDED TO GENERAL LICENSEE

Installation and servicing of the Model BWGL will be done by Ohmart personnel or by Babcock & Wilcox personnel who are specifically licensed to handle this device.

SAFETY INSTRUCTIONS

In addition to the safety instructions given at the time of installation a copy of 10CFR 31.5, as well as other pertinent material, will be included in the instruction manual which is supplied with the gage.

Encl: Babcock & Wilcox Brochure
Ohmart Dwg. C-7029
C-7304
A-8420
A-8422
C-10886

H.L. Cook, Jr.
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