

Wood Fiber Industries-Masonite
P.O. Box 3327
Danville, Virginia 24543
July 22, 1993

U.S. Nuclear Regulatory Commission
Region II
Material Radiation Protection Section
101 Marietta Street
Suite 2900
Atlanta, Ga 30323

Gentlemen:

Reference: Materials License No. 45-11921-01, Renewal

This letter and the attached Application For Material License cover renewal of the above license. All "item numbers" refer to NRC Form 313.

1. This is an application for: C. Renewal of License No. 45-11921-01.
2. Masonite Corporation
Wood Fiber Industries Division
P.O. Box 3327
Danville, Va 24543
3. Masonite Corporation, Wood Fiber Industries Facilities
Masonite Drive off of Gypsum Road
Danville, Va (24541)
4. Jack E. Coyle (Engr. Supt.) Phone (804) 792-1000;
(Alternate Phone (804) 797-1321).
5. Unchanged from previous information, except for the following addition:
One (1) Texas Nuclear Model 5211 Source Head containing 50 millicuries of Cesium 137 in a Texas Nuclear 696894 Source Capsule.

(Refer to attached copies of a) 3 page "fax" from "TN Technologies, Inc." dated May 28, 1993, and b) "Zurn" Equipment data Sheet EDS-1-D Rev. A dated 3-17-93, and covering "Tag No. DE/DT-5, Scrubber Recycle Density").
6. This added source, when received and installed, will be used by the Boilerhouse to measure the density (consistency) of a water-flyash slurry. The slurry will be produced by a new Zurn Wet Scrubber System which is now in the fabrication and installation stages. Installation and operation are planned for completion by the end of 1993. The new nuclear density gauge will be installed on a six (6) inch diameter pipeline which is handling a water-solids mixture to the venturi scrubber. The gauge

cont'd.)

Item 6, cont'd.

will be located approximately 30 feet in the air, on or adjacent to the venturi service platform. Function of the density gauge will be to measure slurry density inside the pipeline, signal a controller to open a small (1 inch) valve which bleeds-off part of the mixture and control maximum concentration. No workers routinely will be in the area of the gauge.

7. Unchanged from previous information except for the following addition:

c) Otis W. Johnson, Electrical Maintenance Supervisor and Assistant Radiation Safety Officer. 39 years electrical construction and maintenance experience, including 23 years in supervisory positions. Completed Troxler Electronic Laboratories, Inc. "Training Course For The Use Of Nuclear Testing Equipment" on May 7, 1992. (Copy of certificate No.053197 is attached).

8. Unchanged from previous information, except for the following addition:

Otis W. Johnson is also an instructor.

9. Unchanged from previous information, except for the additional (density) gauge, as covered in Item 6, above.

9.1 Location - as described in Item 6, above, and as further depicted by attached Zurn Industries Drawing No. B931041E01 Rev. B dated 4/93, Sheet 1 of 1, "P & ID For Particulate Scrubber System", being identified as "Field-Mounted Instrument DE/DT-5".

9.2 Gauge will be mounted out of doors and will be exposed to normal environmental conditions - sun, rain, wind. Gauge provided will be designed for operating under these influences.

9.3 No additional cooling means is required.

9.4 Not applicable.

9.5 All Danville Plant nuclear gauges are currently checked every six (6) months, in house, for physical inventory and for physical condition which normally includes shutter, housing, labelling, mounting and ability to lock in the "closed" position. In addition, ABB Automation currently performs a "wipe test" on each gauge every six (6) months. At these times the ABB technician inspects for similar conditions and reports any/all findings to the responsible plant people for corrective action. This new gauge will be inspected and evaluated at the same intervals and for the same characteristics. (Note: See Item 10.4 "Leak Testing").

(more)