

SAFENIGHT TECHNOLOGY INC.

"the safer smoke detector network"

2121 Electric Road SW
Roanoke, Virginia 24018
(703) 989-5738

March 13, 1995

Mr. David T. Tang, Mechanical Engineer
United States Nuclear Regulatory Commission
#2 Wide Flint North
11555 Rockville Pike
Rockville, MD 20852

Dear Mr. Tang:

As a point of reference, Sleepsafe Corporation was re-named SafeNight Technology Inc. in November 1994. In response to your letter dated February 9, 1995 and our conversation afterward, we can offer the following comments/elaborations at this time:

- 1) QC program. We have yet to sign a manufacturing agreement with a contract manufacturer. As soon as that's done we will be able to comply fully with this request.
- 2) Prototype testing. We do not yet have a final prototype unit from which to test. We expect to have such in late April and will provide those results as soon as possible.
- 3) Ionization chamber security. Please refer to Figure 1 (another copy attached). The nickel plated copper source holder is built with a female plug in the bottom of it. The aluminum source holder (stainless steel - NRD) is crimped into the nickel plated source holder. Both are then placed inside a snug-fitting plastic source holder. The receiver plate is placed on top of the source holders and held in place by a screw and a plastic nodule present on the plastic source holder. The steel tin-plated cup is then placed over the plastic source holder (again a snug fit) and twist-locked. A screw is applied that penetrates both the steel/tin cup and the plastic source holder. This screw will be covered with solder to prevent tampering. Its presence will prevent any un-twisting action of the cup short of destruction. (The chamber will be delivered from our supplier - HomeWatch at this stage)

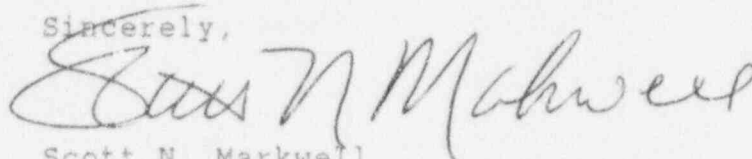
The chamber will be placed on the PCB and screw connected from the other side. The lead wire from the receiver plate is soldered to the smoke detector chip and the other lead wire is soldered to the board. Both

will prevent the unscrewing of the chamber from the board short of destruction.

- 4) My radiation physicist says he used these NUREG's. Should you want them double-checked, I will have another radiation physicist review them. Again from our conversation, this appears rather moot since the radiation emission from our amount of AM241 is well-documented to be within regs.

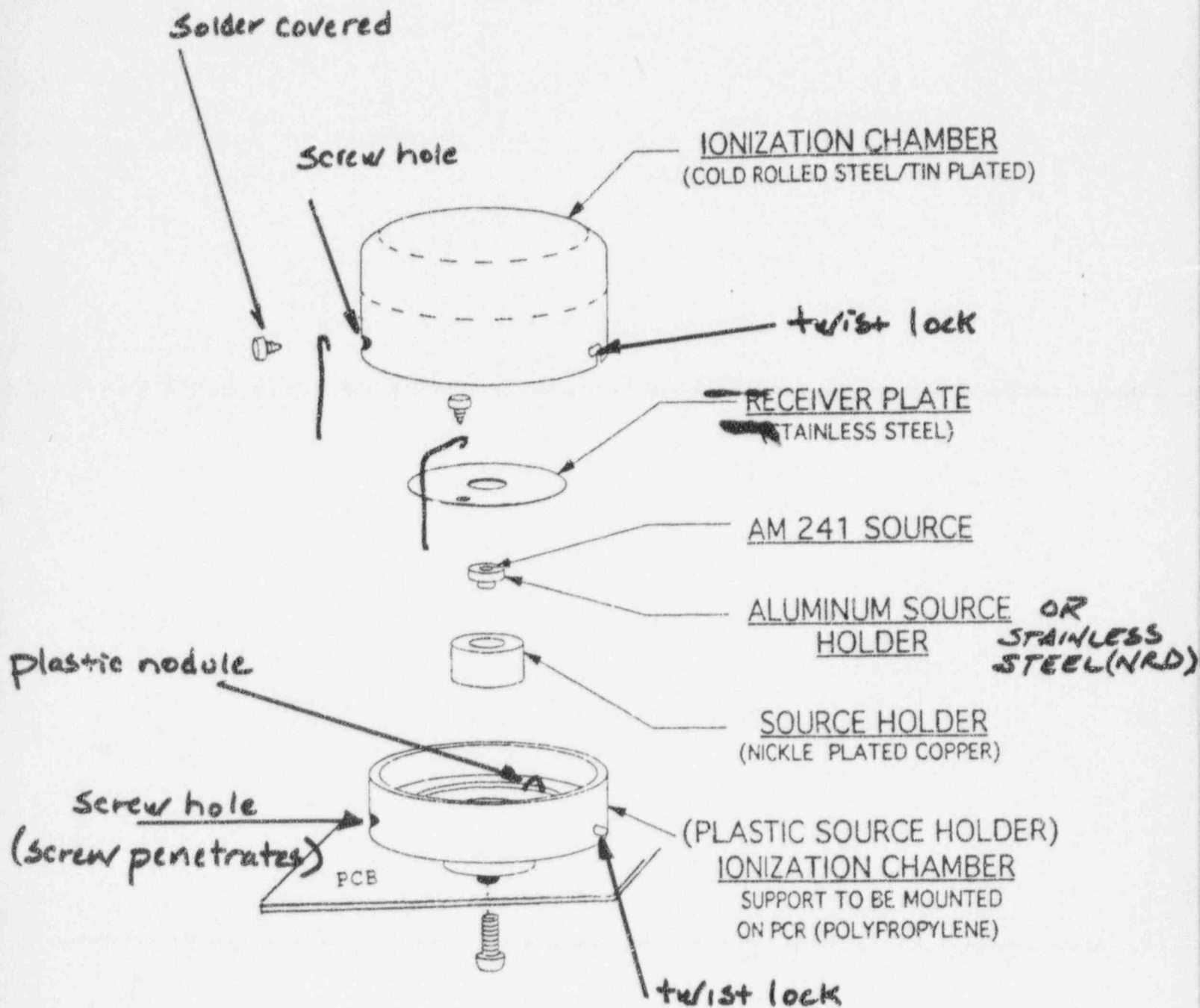
Thank you for your assistance on our obtaining an exempt distribution license. Should there be any other questions about our two responses, please let me know. We will respond to the other two as soon as possible.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott N. Markwell". The signature is fluid and cursive, with the first name "Scott" and last name "Markwell" clearly distinguishable.

Scott N. Markwell
President

SNM/ct



CONTAINMENT OF SOURCE WITHIN DETECTOR

FIGURE 1

Scott N. Markwell
PRESIDENT

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