

Theo. R. Schwalm, Inc.

DESIGNER AND MANUFACTURER OF

FINE DIALS

510 Second St. P.O. Box 4393 Lancaster, Pa. 17604

Phone 397-3651 • Area Code 717

April 27, 1983

United States
Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Penna. 19406

Attn: Mr. Thomas T. Martin
Division of Engineering &
Technical Programs

Dear Mr. Martin,

In reply to your letter of March 31, 1983 we have taken the following steps in response to the items raised.

Regarding the list of swipes, in particular those areas which indicated readings in excess of permissible levels, correction is being pursued with a vigorous cleaning program in each offending area and the discarding into appropriate waste vessels of the operators personal items i.e. the cushion, which has been replaced with a washable one and the shoes with the insistence that she return the protective shoe covering.

Permission to wear captive shoes in lieu of the shoe covering had been granted due to her fear of slipping and we will attempt to allay that fear with the use of adhesive strips affixed to the bottom of the boot. The protective clothing now being worn is hair cover, gown, rubber gloves and the boot.

Ms. Mary Moore, our health physicist, on April 23, 1983 conducted her quarterly inspection of our facility and duplicated the pattern of swipes taken by the N.R.C. inspectors to assess the effectiveness of our cleaning program. All areas are included in the routine cleaning we conduct on a weekly basis.

A request for amendment is being prepared for submission but the Radiation Safety Officer, or his designee will physically check to ensure safety procedures are being followed while painting is in progress.

Violation A-1 - Air levels in the area of the painting room will be monitored continuously with a bubbler identical to that being used to

8307150219 830713
NMS LIC30
37-09385-01 PDR

FINE WATCH DIALS • INSTRUMENT DIALS



HANDS • GOLD NUMERALS • MARKERS

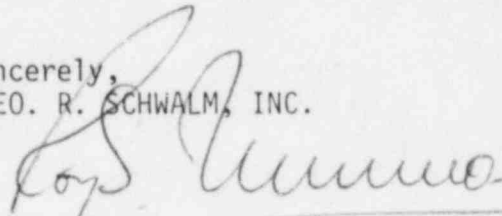
monitor the stack. Aliquot samples will be sent for analysis weekly, commencing May 1, 1983.

Violation A-2 - On January 23, 1983 Ms. Moore measured the bubble collection efficiency and found them to be 99.46%. At that time she compared the bubblers flow rates with a different vacuum flow meter and found them to be comparable. She then calibrated the flow rates on April 22, 1983 by using a "bubble tube". The results of these tests are on file in the main office. The collection efficiency and flow rates will be calibrated annually by our consultant health physicist.

Violation B - Shoe covers, gowns, hats and gloves were in a cabinet in the painting facility at the time of inspection. They have been moved to the outer clean room where they are more visible.

A UV light check record sheet was installed by the UV light source immediately following inspection. The dial painter was instructed to record on this sheet each time she used the light and she has followed procedure.

Sincerely,
THEO. R. SCHWALM, INC.



Roy D. Munro
General Manager

RDM/aeg