

**RADIATION  
STERILIZERS  
INCORPORATED**

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June 4, 1981

Mr. Paul R. Guinn  
Material Licensing Branch  
Mail Control No. 06615  
U.S. Nuclear Regulatory Commission  
Washington D.C. 20555

Dear Mr. Guinn:

Thank you for your comments pertaining to my licensing application for the Schaumburg, Illinois facility. Your points are well taken and I have revised the two sections which you have referenced, copies of which are included for substitution in my application.

I am aware of the incident to which you referred where a damaged tote caused severe damage. Our system has been designed to minimize this possibility because of the following:

1. Totes are sturdier and are subject to less physical abuse during normal processing than AECL units.
2. Space between source rack to conveyor and totes is much larger (4X) than AECL.
3. A cage is built around the source rack to further prevent problems of jamming the source rack.

Our operating instructions require that a survey meter be carried into the radiation cell on every entry. Radiation levels in the control room, the surrounding areas and the cell are thereby monitored daily. In our Tustin facility, we have been using the film badges to monitor the water treatment area and maze entrance. We have never had any reading at the water treatment area. Occasionally we will get a 5 mR reading during a month's exposure at the maze entrance.

Since we deal only with sealed sources which are contained within a source rack in the radiation cell, there is no possibility of low level contamination in the facility. Therefore, there

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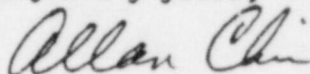
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does not appear to be a reason to run the wipe tests on the floors and table tops. To my knowledge, this requirement does not apply to facilities which exclusively use cobalt-60. Please let me know if you have conflicting information on this point.

Our facility construction in Schaumburg is proceeding on schedule. We expect to begin equipment installation in two weeks, and to load the isotope in August. It appears that the license application review is going smoothly and that we can expect to have the license issued this month. If you foresee any problem with this schedule, please give me a call so I can facilitate getting you any information you may need.

Very truly yours,



Allan Chin, President

AC:ck

Enclosures

### Detectors

Check all microswitches and photodetectors on the conveyor system on a quarterly basis. Repair and adjust as required.

### Water Treatment

Check the pumps, de-ionizing columns, conductivity cell, filters, level controls and plumbing for leaks and proper operation on a quarterly basis. Refer to equipment manuals for necessary corrective action.

### Ventilation System

Check the following items on a quarterly basis: air filters for clogging, fan motors and V-belts for wear and stretch and lubrication of moving parts.

### Air Compressor

Check the air compressor weekly for oil level in the crankcase, clogged air filters, air leaks, V-belt wear and tension, and motor lubrication.

Also check air line filters for oil level and add oil as required.

Check the smoothness and period of all pneumatic cylinders. Adjust air regulators as required.

### Product Totes

All totes boxes will be checked for physical damage and non-alignment prior to each usage. Totes which cannot be repaired and straightened will be removed from the system.