

71-9187



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10 October 2003

Ms. Julia Barto, Project Manager
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
US Nuclear Regulatory Commission
11555 Rockville Pike
One White Flint
Rockville, MD 20852

Docket Number: 71-9187 (Ref: USA/9187/B(U))

Dear Ms. Barto:

As discussed in our 9 October 2003 telephone conversation, enclosed find a copy of page 50 to Revision 7 of the Model 865 SAR. This clarifies the exposure device maintenance requirements described in Section 8.2 of the SAR. All other aspects of the SAR remain unchanged from Revision 6. If you need additional information, please contact me at 781-272-2000 ext. 241.

Sincerely,

Lori Podolak, CHP
Product Licensing Specialist
Regulatory Affairs Department

RA/QA Approval

Engineering Approval

10 Oct 03
Date
20 Oct 03
Date

Enclosures: Page 50 of Revision 7 to the 865 SAR
List of Affected Pages

UIMSSOJ

8.1.6 Thermal Acceptance Tests

Not applicable.

8.2 Maintenance program

It is recommended that inspection and maintenance of the Model 865 exposure device and Model 86550 control unit be performed at intervals not to exceed three months.

Exposure Device

1. Check the operation of the survey meter and check to assure that the source is properly stored by measuring the radiation intensity at the surface of the exposure device and at one meter from the surface. The radiation level should not exceed 200 mR/hr at the surface nor 10 mR/hr at one meter from the surface.
2. Inspect the exposure device for any signs of damage or excessive wear. Check to assure that there are no loose fasteners or broken safety wire. Assure that the exposure device is properly labelled.
3. Inspect all welds for signs of corrosion and/or cracks.
5. Ensure that all labels are securely attached and legible.
6. Inspect the condition of all bolts and screws. If there is any sign of strain present on the bolt or damage to the threads discard and replace.
7. Inspect the outer shell of the unit for cracks, pitting and dents. The damaged component or assembly should be replaced. Denting of the outer shell is acceptable so long as the performance of the unit is not affected and measured dose rates are within regulatory limits.

If the device is used in an environment that would be conducive to the creation of crevice corrosion (i.e. salt water splash zone, oil rig work, etc.), the device should be rinsed after use with clean water to remove any residue which could contribute to corrosion.

If the device is routinely used for underwater radiography, then the projector should be tested by a non-destructive examination (NDE) technique such as dye penetrant at source changes. The NDE should be performed on all external shield container surfaces, particularly under the label. Evidence of pitting, cracking or corrosion indicate the need for repair or scrapping of the component or assembly.

In addition, the radioactive source should be wipe tested for leakage of radioactive contamination every six months.

Prior to each use, a radiation survey of the package should be made to assure radiation levels do not exceed 200 mR/hr at the surface or 10 mR/hr at 3 ft from the surface of the package.