



## **GOLDEN SUNLIGHT MINES, INC.**

April 17, 1987

TO: Nuclear Regulatory Commission

FROM: Golden Sunlight Mines Inc.  
Radiation Protection Officer

SUBJECT: Radiation Protection Program

The source holders will be received and an immediate survey for leakage will be conducted using a Ludlum Model No. M3 survey meter with results documented. One copy of these results will be sent to the manufacturer and one copy on file with radiation protection officer of Golden Sunlight Mines.

The sources will be installed, with the source holders shutter in the closed position, under the supervision of the owning organization's radiation protection officer. Upon completion of installation a survey will be conducted with the source holders shutter in the open position and all documented results will be routed and filed in the same manner as initial receipt results.

All vessels, tanks, enclosures and pipes that have nuclear gauging devices associated with them will be clearly marked and appropriately posted with written procedures as to the necessity and responsibility for lock out. These procedures will be adjusted to reduce the total dose to personnel to the minimum reasonably achievable.

Form NRC-3 will be posted and if the radiation survey with the vessel, pipe, tank or enclosure is in excess of 5 MR/HR at 12 inches from the surface of the vessel, appropriate warning signs will be posted. An occupancy evaluation will be conducted by the organization's radiation protection officer and if film badges appear to be required, they will be obtained.


In case of malfunction of the source holder or damage thereto, the radiation protection officer and manufacturer will be notified immediately to be consulted for supervision of repair, removal and/or proper packaging for return to the manufacturer for repair or replacement as required.

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In case of emergency such as fire or explosion, involving apparent damage to the source holder, the appropriate Regional Office of Inspection and Enforcement (10 CFR Appendix D), USNRC, will be contacted for assistance. The area around the source holder will be barricaded against unauthorized entry. The services of the manufacturer and organization radiation protection officer will be to assist in inspection for damage along with local health authorities notification.

  
BRUCE GALBREATH  
Instrument Technician  
Radiation Protection Officer

BG/cem

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