

Page 1 of

INSPECTION REPORT NO. 79-03

Attached

☐ Appendix A

☐ Appendix B

☒ Appendix C

☐ Memo

ISOMEDIX, INC
Whapping, NJ

Licenses contact: B. Dietz Telephone no. 201-887-4700

License no. 29-15364-01 Last amendment and date:

Category: E, and Priority: IV, as of last amendment.

Inspection date(s): 11/6/79 Type of inspection: Special, Unannounced

SUMMARY OF FINDINGS AND ACTION

☐ No noncompliance, clear 591 issued

☐ Noncompliance, 591 issued

☒ Noncompliance, Appendix A

☐ Regional action Hq action

☐ Action on previous noncompliance, Appendix B

☐ Supplemental info, Appendix C

RECOMMENDATIONS

See basis in Appendix C or attached memo.

☐ Change Category to:

☐ Change Priority to:

☐ Next inspection date:

PERSONS CONTACTED

B. Dietz, President

Inspector: D. Costello

Approved: R. M. Mendenhall

11/21/79 95
11/26/79

Plan approved: _____ Date: _____

Licensees: _____

License no: _____

Inspection Items	Scheduled for inspection	Post-inspection status	Module no.	766 Time Info
Management meeting - Entrance and Exit Interviews <i>[REQUIRED]</i>	/	/	307038	1
Initial Management Meeting				
Program requirements, MC 29 <i>[REQUIRED]</i>	<i>Limited Inspection</i>		777108	2
Licensee Event Followup			927008	
Followup on Inspector-identified problems			927018	
Followup on Noncompliance and Deviations			927028	
IE Bulletin/Immediate Action Letter Followup			927038	
Followup on Headquarters Requests	-	-	927048	
Followup on Regional Requests			927058	
Independent Inspection Effort <i>[REQUIRED]</i>	/	/	927068	1
Inspector Dispatched to Site			937008	
Followup on Significant Event Occurring During Inspection			937018	

The inspection was limited to a review of a reported overexposure, urinalysis results, and the progress of the decontamination effort.

The overexposure resulted from confusion on the part of the sub-contractor, Chem-Nuclear, as to the period of time constituting the second calendar quarter. The licensee has identified the cause of the problem and corrected it. The inspector reviewed the dosimeter logs and interviewed the individual involved and determined that the licensee had control over the accumulation of dose. The overexposure resulted from an administrative problem. The highest exposure for the third quarter was 2190 mrem as of 9/24/79 from badge units. The doses being received currently are much less than previously because of the greatly reduced dose rates in the work areas. MPC-4's were reviewed and noted as proper.

The licensee had reported to Region I in a letter dated October 11, 1979 the results of ~~the~~ employee urinalyses. One result was greater than the minimum detectable levels and this indicated 1.5×10^{-4} mCi/liter. The inspector reviewed the licensee's air sampling results and respiratory protection program. A No air sample ~~was~~ indicated concentration in excess of MPC_a for Co-60. The inspector reviewed the calibration of the equipment used to evaluate the air samples and determined that an HP-210 ~~GM~~ GM was used with a PS-2 scaler. This equipment was calibrated with a Co-60 standard, ~~of~~ (.005 μ Ci on 9/68). Because of the

limited sensitivity of ~~urinal~~ urinalysis for determining ^{60}Co uptake, the licensee agreed to have a whole body count performed on the individual whose urinalysis indicated a positive result.

The decontamination is still incomplete. There are still several hot spots in the pool, and ~~then~~ there are 4 holes in the pit all with low levels of contamination in the bottom. The ventilation system still contains activity and will be removed. The licensee is taking daily smear surveys in the unrestricted area to ensure ~~that~~ against the spread of contamination during the cleanup. The liquid waste is being solidified using Cuscanite. Chem Nuclear drums the waste, loads it onto a truck or coast, and ships it to Barnwell, South Carolina. Water is solidified with cement. The inspector agreed ~~we~~ observed one drum which was opened in his presence and noted that the waste was in solid form with no free-standing liquid. The licensee has not been recording the survey of outgoing waste trucks and coasts and has agreed to modify procedures to ensure that this is done.