RI - DNMS Licensee Event Report
Disposition

Licensee: Essroc San Juan

Event Description: Defective Equipment

License No: 52-25066-01 Docket No: 0303130 MLER-RI: 2014-013

Event Date: Report Date: 12/08/14 HQ Ops Event #:

1. REPORTING REQUIREMENT

- [ ] 10 CFR 20.1906 Package Contamination
- [ ] 10 CFR 20.2201 Theft or Loss
- [ ] 10 CFR 20.2203 30 Day Report
- [X] Other
- [ ] 10 CFR 30.50 Report
- [ ] 10 CFR 35.3045 Medical Event
- [ ] License Condition

10 CFR Part 21

2. REGION I RESPONSE

- [ ] Immediate Site Inspection — Inspector/Date
- [ ] Special Inspection — Inspector/Date
- [X] Telephone Inquiry — Inspector/Date Miller / 12-23-24-2014
- [ ] Preliminary Notification/Report
- [X] Information Entered in RI Log
- [ ] Report Referred To:
- [ ] Daily Report
- [ ] Review at Next Inspection

3. REPORT EVALUATION

- [X] Description of Event
- [X] Levels of RAM Involved
- [X] Cause of Event
- [X] Corrective Actions
- [NA] Calculations Adequate
- [ ] Additional Information Requested from Licensee

4. MANAGEMENT DIRECTIVE 8.3 EVALUATION

- [ ] Release w/Exposure > Limits
- [ ] Repeated Inadequate Control
- [ ] Exposure 5x Limits
- [ ] Potential Fatality
- [ ] Deliberate Misuse w/Exposure > Limits
- [ ] Pkging Failure>10 rads/hr or Contamination>1000x Limits
- [ ] Large# Indivs w/Exp>Limits or Medical Deterministic Effects
- [ ] Unique Circumstances or Safeguards Concerns

If any of the above are involved:

- [ ] Considered Need for IIT
- [ ] Considered Need for AIT

Decision/Made By/Date:

5. MANAGEMENT DIRECTIVE 8.10 EVALUATION (additional evaluation for medical events only)

- [ ] Timeliness - Inspection Meets Requirements (5 days for overdose / 10 days for underdose)
- [ ] Medical Consultant Used-Name of Consultant/Date of Report:
- [ ] Medical Consultant Determined Event Directly Contributed to Fatality
- [X] Device Failure with Possible Adverse Generic Implications
- [ ] HQ or Contractor Support Required to Evaluate Consequences

6. SPECIAL INSTRUCTIONS OR COMMENTS

Circumstances will be evaluated at next inspection 8/2018

☐ Non-Public

☒ Public-SUNSI REVIEW COMPLETE

Inspector Signature: Jan J. Miller Date: 1/9/15

Branch Chief Initials: Date: 1/14/15

Location of File: G:\REFERENCE\BLANK FORMS\LER FORM.DOC

Rev. 09/12/13

Essroc San Juan
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December 8, 2014

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: Section 206, defective equipment
Essroc License #52-25066-01

Dear Sir or Madam:

Recently during a routine inspection, we notice a higher than normal radiation area survey measurement. Our radiation safety consultant, David Rhoe, investigated the unusually readings and discovered that the lead shield was no longer intact. It seemed that the lead slowly melted over time and lost its structural cohesion. The radiation measurements are still below the 2 mR/hr limit for members of the public and we contacted the manufacturer regarding this situation. The company could not indicate if this was defective until they investigate the unit in January during a source replacement procedure. However, we feel that this could qualify as a possible reportable event. .

Manufacturer:
Source ID: Cs-137
Source strength: 1200 Ci on 05/24/1989
Model: SR-1A
Serial number: M-3816

If your need any further information, please contact me at (787) 721-5878 ext.271.

Sincerely,

Vanessa Medina
Radiation Safety Officer