



Acuren USA
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Materials Engineering and Testing
A Rockwood Company

November 17, 2012

RE: Radiation Incident, License No. **42-32443-01**
Reported to NRC by Telephone per 10 CFR, §30.50(b)(2)(ii), 1050hrs, November 17,2012,
Report #48516

Equipment Problem:

Source could not be fully retracted into shielded position.

Cause of incident:

The control cable of a 35' control assembly broke approximately three (3) inches from the source connector.

Equipment Involved:

7' flexible guide tube serial number GT1211
Exposure device model: Sentinel Delta 880D, serial # D3503
Isotope : Ir-192, source serial # 87400B
Source Activity : 60.7ci
35' Control Assembly s/n 11645

Place, Date, Time:

Place: Drill Site 6 to Flow Station 3 Access Road, Eastern Operating Area, Prudhoe Bay, Alaska
Date: November 16, 2012
Time: 1400 hrs AKT

Actions taken to establish normal operations:

The source assembly was gravity fed from the guide tube onto the ground and then shielded by reverse placement into an 880D exposure device, s/n D3926. A serviceable control assembly was then connected to exposure device D3503 and control cable routed through the device and guide tube, then connected to the source. The source was then retracted into device D3503 without incident.

Corrective actions taken and planned to prevent reoccurrence:

Remove 100% of control assemblies from service and complete a thorough inspection. Perform a safety stand down with all radiographers and assistants for review of daily equipment inspections as required in the Acuren O&E manual.

Qualifications of personnel involved in incident:

- (1) Texas Industrial Radiographer Certification holder, dose received, 20mR
- (2) IRRSP card holder, dose received, 20mR
- (3) IRRSP card holder, Source Retrieval qualified, dose received, 48mR
- (4) IRRSP card holder, Source Retrieval qualified, dose received, 95mR

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