



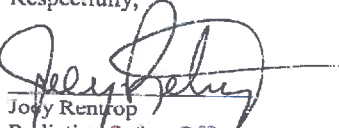
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December 21, 2012

United States Nuclear Regulatory Commission
Region IV
Texas Health Resource Tower
612 E. Lamar Blvd.
Arlington, TX 76011-4005

Ref: EN48532

Bayou Inspection Services, Louisiana State License #LA-7112-L01, is submitting a report, in accordance with 10 CFR 30.50 (2), of an incident that occurred on November 22, 2012 aboard Bisso Marine's "Mighty Chief" pipeline laying barge located in Offshore Waters, Gulf of Mexico. Ship Shoal Blk 105. On this date, while utilizing a Spec 150 device with a 1,369 GBq Iridium 192 source, the source became disconnected from the drive cable. Upon notice of this situation, radiographers onboard took appropriate actions to remove all personnel to a safe location, set up a 2mR/hr boundary, and secure the area from any intrusion, as per our Operating and Emergency Procedures. The radiographers then notified the Radiation Safety Officer of the situation. Upon arrival on the barge the RSO assessed the situation, and proceeded to retrieve the source. After investigating, it was found that the connector ball on the crank assembly had become worn and was able to become dislodged from the source pigtail. This was from wear and tear and not from a manufacturer defect. The crank assembly was removed from service and repaired. The radiographers were told to inspect their equipment more carefully, and to make sure they perform a disconnect check before operating equipment. None of the radiographers' dosimeters went off scale. No individuals aboard the barge received excessive radiation due to the quick response of the radiographers. Just as a precaution, the radiographers' film badges were sent in for processing. None of their badges came back with excessive readings.

Respectfully,

Joey Rentrop
Radiation Safety Officer