

LICENSEE EVENT REPORT EVALUATION FORM

EVENT CLASS: OTH - OTHER EVENTS

LICENSEE / REPORTING PARTY INFORMATION:

Licensee/Reporting party name:	Core Laboratories, Inc. dba ProTechnics Division of Core Laboratories		
License number :	42-26928-01		
Docket number :	030-30429		
Licensee's City of record :	Houston		
Licensees State of record :	Texas		
NRC regulated?	Y	If so, what Region?	IV
Working under reciprocity?	N		

EVENT INFORMATION:

In what City and State did the event occur?	Big Horn County, Wyoming
Event date :	08/19/2010
Discovery date :	08/19/2010
Report date :	08/19/2010
Agreement State reportable?	No
NRC reportable?	No, less than reportable quantity in 10 CFR Part 20
Reporting regulation :	N/A
NMED Item Number :	None

ADDITIONAL PARTIES INVOLVED:

Name :	Marathon Oil Byron Unit #12H
License number :	NA
City :	Big Horn County
State :	WY

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CONSULTANT INFORMATION (if any):

Consultant name :	NA
Company :	NA
Who hired consultant?	NA

DEVICE INFORMATION:

Manufacturer :	NA
Model number :	NA
Serial number :	NA

RADIATION SOURCE INFORMATION:

Isotope :	Ir-192	
Activity :	1mCi	
Manufacturer :	Spectratec	
Model number :	Unsealed	
Serial number :	Unsealed	

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Page 3 of 3

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NARRATIVE EVENT DESCRIPTION:

Contractor of licensee reported a spill of 1 microCurie of Iridium-192 at a drill site. The contractor reported that ~1microCurie of liquid Ir-192 was spilled inside a pump that had to be disassembled.

Licensee written correspondence dated 9/8/10 & 10/12/10, reported that the spill area was approximately 3 feet by 3 feet & that the material spilled was less than 1mCi of Ir-192, unsealed, in the form of ceramic beads.

Telephonic discussion with the licensee on 11/5/10, clarified that less than 1microCi of material was spilled, due to the fact that the material was injected at a certain rate per unit time & the pressure caused the line to split almost immediately. This led the licensee to ascertain that realistically less than 1microCi spilled onto the 3 feet by 3 feet spill area.

CORRECTIVE ACTIONS:

FSME EO discussed with the contractor the situation & came to the agreement that the best course of action would be to contain the spilled material & surrounding soil in 5-gallon buckets & then place those buckets & any liquid obtained when the pump was drained into a 55-gallon drum. The contractor was also advised to call back to the NRC the next day, during normal business hours & discuss this event with the branch tasked with precise handling of such occurrences.

Licensee written correspondence dated 9/8/10 & 10/12/10, stated dirt & beads were transferred back into 5 gallon buckets for transport back to their office. The spilled material will remain in waste storage at the licensee's Rock Springs, Wyoming office for decay in situ (<74 day half-life).

The licensee surveyed the spill area multiple times & found it to be clean & further clarified that their product does not wash off, dissolve or crumble. The licensee reported that radiation levels were at background & no elevated exposures were noted. The licensee reported no consequences to health or the environment.

RECOMMENDED FOLLOWUP:

Was a reactive inspection conducted?	No	If so, inspection report number :	N/A
Is LER recommended for closure?	Yes		
Is this NMED Item Number recommended to reflect "complete"?	Yes		

LER Evaluator:	Branch Chief or Designee Review:
Name: <u>LARICIA HANSEN</u> Date: <u>12/20/2010</u>	Name: <u>[Signature]</u> Date: <u>12/20/2010</u>