

DATE RECEIVED:	08/27/2015
EVENT DATE:	June 10, 2015
REPORT DATE:	

NRC EVENT	51143
DOCKET	030-14682
LICENSE	33-18224-01

**DNMS CONTROLLED CORRESPONDENCE ROUTING SLIP - MATERIALS LER**

DNMS	Initials	Note to DNMS Staff
C:NMIB	G. MICHAEL VASQUEZ <i>for final review</i> <u>MP</u>	WHEN LER ACTION IS COMPLETED: Return routing slip and completed LER evaluation to LER PROJECT MANAGER
Assigned to:	Rick Munoz	
Copy to:	LER Point of Contact: Jason Dykert	NOTE: Licensee report MUST be scanned into ADAMS.

**This section is to be completed by a DNMS Branch Chief (or designee):**

Circle appropriate response:	Yes	No	Indicate appropriate basis for LER:
REPORTABLE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Regulation(s): 30.50(b)(2)
PN	<input type="checkbox"/>	<input type="checkbox"/>	License Condition:
ABNORMAL OCCURRENCE	<input type="checkbox"/>	<input type="checkbox"/>	For Abnormal Occurrence criteria see MD 8.1, Handbook 8.1, Part II
EVENT OF INTEREST	<input type="checkbox"/>	<input type="checkbox"/>	For Event of Interest guidelines see MD 8.1, Handbook 8.1, Part II
REACTIVE / SPECIAL INSPECTION REQUIRED	<input type="checkbox"/>	<input checked="" type="checkbox"/>	This event was reviewed against the criteria contained in IMCs 2800, 1301, 1302, etc., and it was determined that a reactive or special inspection was not necessary at this time.

**Assignee to check (Y) ADAMS document availability below and to enter the following numbers, if applicable:**

<input checked="" type="checkbox"/> Public	<input type="checkbox"/> Nonpublic	PNO-IV-
<input type="checkbox"/> Sensitive	<input checked="" type="checkbox"/> Nonsensitive	NMED
<input type="checkbox"/> NRC Viewers Access Rights		NRC INSPECTION REPORT
SUNSI Review Completed: Initials	<u>JCD</u>	

**This section is to be completed by DNMS Secretarial staff:**

LICENSEE / NOTIFYING ENTITY: Basin Power Electric Co-Op / David Cummings, RSO	
EVENT LOCATION: Wheatland, WY	ADAMS ID:

COMMENTS: Need a 30-day report from the licensee

*ML 15310 A 449 - licensee correspondence*

**LICENSEE EVENT REPORT EVALUATION FORM**

**EVENT CLASS: EQUIPMENT FAILURE**

**LICENSEE / REPORTING PARTY INFORMATION:**

Licensee/Reporting party name:	BASIN ELECTRIC POWER COOPERATIVE		
License number :	33-18224-01		
Docket number :	030-14682		
Licensee's City of record :	WHEATLAND		
Licensees State of record :	WYOMING		
NRC regulated?	Yes	If so, what Region?	R-IV
Working under reciprocity?	No		

**EVENT INFORMATION:**

In what City and State did the event occur?	Wheatland, Wyoming
Event date :	WYOMING
Discovery date :	June 10, 2015
Report date :	June 10, 2015
Agreement State reportable?	N/A
NRC reportable?	Yes – David Cummings, RSO
Reporting regulation :	10 CFR 30.50(b)(2)(i)
NMED Item Number :	<del>51143</del> 150340

**ADDITIONAL PARTIES INVOLVED:**

Name :	Kay-Ray
License number :	N/A
City :	N/A
State :	N/A

**LICENSEE EVENT REPORT EVALUATION FORM**

**EVENT CLASS: LAS - LOST, ABANDONED, STOLEN MATERIAL**

**CONSULTANT INFORMATION (if any):**

Consultant name :	J.C. O'Rullian of Rexburg, ID
Company :	Radiation Solutions - 11-35111-01
Who hired consultant?	Basin Electric

**DEVICE INFORMATION:**

Manufacturer :	Kay-Ray
Model number :	7063P - Fixed Gauge
Serial number :	SN 8289

**RADIATION SOURCE INFORMATION:**

Isotope :	Cesium-137	
Activity :	60 GBq (1.0 Ci)	
Manufacturer :	Kay-Ray	
Model number :		
Serial number :		

**LICENSEE EVENT REPORT EVALUATION FORM**

**EVENT CLASS: LAS - LOST, ABANDONED, STOLEN MATERIAL**

**NARRATIVE EVENT DESCRIPTION:**

During a routine semi-annual shutter test, as required by license condition, the shutter was found to malfunctioning in that the shutter mechanism would not allow the shutter to close and determined that the gauge could not be "locked out". Although no mechanical restrictions were felt, the source remained in its "in service" position following the failed shutter test. The fixed gauge was in service so there was no immediate operational or safety requirement to lock the gauge out. Kay Ray was immediately notified (06/10/15) and informed Basin Electric that a technician would not be able to be dispatch a service representative to investigate the anomaly. There was nothing pressing that would require the gauge to be taken out of service in the near term. In fact, the shutter needed to remain in the open position to maintain operations at the time without incident or potential of exposure to individuals or the environment. The Unit 1 Scrubber associated with this gauge is not scheduled for routine maintenance until July 2016 at which time the shutter will be required to be closed. The licensee plans to have the issue resolved long before that time.

See (ML15188A449) for HOO notification and e-mail correspondence with Basin Electric.

**CORRECTIVE ACTIONS:**

A service technician was contracted to come on site to isolate the problem and identify and perform any required repairs. J.C. O'Rullian of Radiation Solutions in Rexburg, Idaho will be completing the repair in accordance with license 11-35111-01 requirements. This repair work will be scheduled at the first available time once a contract has been completed with Radiation Solutions. It is anticipated that this will be completed in November, but certainly by the end of the calendar year.

According to the licensee, at this time, the gauge itself does not present any unusual risk because it is currently in service and functioning correctly. There are no plans or indications that its function in terms of process density monitoring but will eventually require maintenance (which would mandate the shutter be closed) but not within the foreseeable future. An administrative control was put in place through the energy control system (tagged) that prevents the gauge from being removed from service until the shutter has been repaired. This control was instituted the day the malfunctioning shutter was discovered (June 10, 2015). A final report will be submitted detailing the nature of the shutter failure and the resulting repair within thirty (30) days after identifying the problem.

**RECOMMENDED FOLLOWUP:**

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

LER Evaluator: Name: <u>R. Rick Muñoz</u> Date: <u>11/04/2015</u>	Branch Chief or Designee Review: Name: <u>James J. Smith</u> Date: <u>11/20/15</u>
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