

11-09-2018

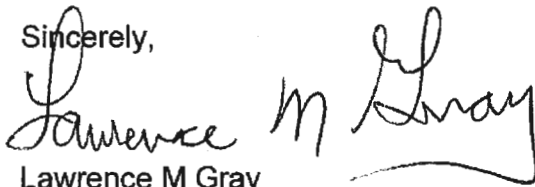
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

To whom it may concern:

Enclosed for your review is a copy of the detailed report of 6B DTU Shutter Failure reported via phone to the NRC Headquarters Operations Office on November 9th, 2018

We believe this submission is complete as outlined in 10 CFR 30.50(c)(2). However, if you have any questions please contact me at (906) 475-3521 or Lawrence.Gray@Clevelandcliffs.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lawrence M Gray". The signature is fluid and cursive, with the first name "Lawrence" being the most prominent part.

Lawrence M Gray
Radiation Safety Officer

Enclosures

6B DTU DENSITY GAUGE – SHUTTER FAILURE

CHAIN OF EVENTS

1. On 11-09-18 a trained technician was in the process of performing the by annual inventory/shutter check, when he reported that Kay Ray Model #7050, Serial #1412, 200mCi, Cs-137 gauge located on 6B DTU (Deslime Thickener U/Flow) in the deslime basement had a broken handle on the shutter mechanism, rendering the shutter non-operable.
2. On 11-9-18 - A Work Order was entered (1836130) that 6B DTU Density Gauge Shutter was broken. The handle has been broke and the shutter can't be closed. See attachment "A"
3. 11/09/18 - RSO went to look at gauge.
4. 11/09/18 - RSO instructed technicians to take spare gauge out of storage and replace.
5. 11/09/18 - RSO was told by operations that they needed to keep the unit running and they could not shut the line down at this point in time.
6. 11/09/18 - RSO wrote a memo to file indicating a course of action. The gauge won't be replaced till the first time the line goes down for repair. (Estimate April 2019). If the line goes down prior to that, we will take the opportunity to get it changed out.

We have had events similar like this in the past, and had never had an exposure to any individuals. In the event of an emergency, the gauge will be removed and place on a piece of lead and brought to storage.



Work Order 01836130

Task 001

Page 1 of 2

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Job Card

District	CLIFFS MICHIGAN	Work Order/Task 01836130/001
Equipment Reference	MTPMCDS06BDTU	Description PUMP, 6B DESLIME THICKENER U/FLOW HEM, EQ#43052
Component	4000 ELECTRICAL / CONTROL SYSTEM	Modifier

WO Information

WO Description shutter handle broke on density gauge

gauge should still work. Need to change out source though.

Use either of the 3 Mci sources that are up in the radiation cage. Miles will get permits when the w/o is going to be done.



Work Order Type	MAINTENANCE	Originator	MARTIN, MILES
Maintenance Type	CORRECTIVE	Required Start	
User Status	READY TO SCHEDULE	Req'd By	04/07/2019
SJ Desc		MST Desc	
		MST Task No	
		MST Freq	

Task Information

Task	001 - shutter handle broke on density gauge		
Work Group	C2GE WEST ELECTRICAL	Assigned To	0000325276 MARTIN, MILES
Plan Start Date		Crew	

Job Instructions



1412.01836130.001

Work Order 01836130

Task 001

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Job Card

District

CLIFFS MICHIGAN

Work Order/Task 01836130/001

WO Task Completion

Actual Hours

Task Complete

YES / NO

Date Completed

Completed By

Supervisor

Current Stat(s)

Completion
Comments