

04-12-2019

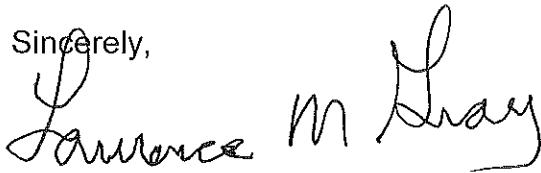
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

To whom it may concern:

Enclosed for your review is a copy of the detailed report of 5B DTU Shutter Failure reported via phone to the NRC Headquarters Operations Office on April 12, 2019. Report #53995 - 11:24am.

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 cursive script that reads "Lawrence M Gray". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Lawrence M Gray
Radiation Safety Officer

Enclosures

5B DTU DENSITY GAUGE – SHUTTER FAILURE

CHAIN OF EVENTS

1. On 04-11-19, a trained technician was in the process of performing the biannual inventory/shutter check, when he reported that Kay Ray Model #7050, Serial #1399, 250mCi, Cs-137 gauge located on 5B DTU (Deslime Thickener U/Flow) in the Deslime basement had a frozen shutter mechanism, rendering the shutter non-operable.
2. On 04-11-19 - A Work Order was entered (1864835) that 5B DTU Density Gauge shutter is frozen. The shutter can't be closed. See attachment "A"
3. On 4-12-19 8:00 am it was reported to the RSO that they found the stuck shutter
4. 04-12-19 - RSO went to look at gauge.
5. 04-12-19 - RSO instructed technicians to take spare gauge out of storage and replace.
6. 04-12-19 - 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.
7. 04-12-19 - RSO wrote a memo to file indicating a course of action. The gauge won't be replaced until the first time the line goes down for repair. 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.



Job Card

District	CLIFFS MICHIGAN	Work Order/Task 01864835/001
Equipment Reference	MTPMCDS05BDTU	Description PUMP, 5B DESLIME THICKENER U/FLOW EQ#43050
Component		Modifier

WO Information

WO Description	Shutter is frozen on source for density gauge We have a replacement source up in our radiation cage. M.S.M. 4/12/19		
Work Order Type	MAINTENANCE	Originator MARTIN, MILES	
Maintenance Type	RESULT OF PM	Required Start	
User Status	READY TO SCHEDULE	Req'd By	
SJ Desc		MST Desc	
		MST Task No	
		MST Freq	

Task Information

Task	001 - Shutter is frozen on source for density	
Work Group	C2GE WEST ELECTRICAL	Assigned To
Plan Start Date		Crew

Job Instructions

WO Task Completion

Actual Hours		
Task Complete	YES / NO	Date Completed
Completed By		Supervisor
Current Stat(s)		
Completion Comments		