

Event #: 57001	
Event Type: Part 21	
Reporting Org: Cooper Nuclear Station	Notify Date/Time: 2024-03-01 13:50 (EST)
Licensee: Cooper Nuclear Station	Event Date/Time: 2022-08-27 00:00 (CDT)
	Modify Date/Time: 2024-03-01 14:14
Region: 4	
City: Brownville	Agreement State: Yes
County: Nemaha	License #:
State: NE	
Notified by: Linda Dewhirst	Notifications: Warnick, Greg R4DO
HOO: Sam Colvard	Part 21/50.55 Reactors, - EMAIL
Emergency Class: Non Emergency	
10 CFR Sections:	
21.21(d)(3)(i) Defects And Noncompliance	
PART 21 - SERVICE WATER BOOSTER PUMP BEARING HOUSING COVER OIL LEAK	
The following information was provided by the licensee via phone and email:	
"On August 27, 2022, while in Mode 1 at 100 percent power, Nebraska Public Power District (NPPD) Cooper Nuclear Station (CNS) identified a 3 drops per minute (dpm) oil leak from the radial (inboard) bearing housing cover on one of four residual heat removal (RHR) service water booster pumps (SWBP); specifically, SWBP-D.	
"Subsequent analysis determined that the leak was a result of a deviation with the configuration of the labyrinth seal drain path. This deviation was due to an error introduced in a manufacturing drawing used by the vendor for the fabrication of four new replacement pumps. The bearing housing cover is a unique design to CNS for the RHR SWBPs.	
"On March 1, 2024, NPPD completed a substantial safety hazard evaluation and determined that the manufacturing drawing error could cause a substantial safety hazard. The NRC Resident Senior Resident has been notified. This is a non-emergency notification required by 10 CFR 21.21(d)(3)(i). A written notification will be provided within 30 days."	
The following additional information was obtained from the licensee in accordance with Headquarters Operations Officers Report Guidance:	
All four SWBPs had a similar housing design. Three of the four pump housings have been replaced. No other nuclear plant is affected due to the housing design being unique to CNS.	