

<b>Event #:</b> 57245	
<b>Event Type:</b> Part 21	
<b>Reporting Org:</b> Browns Ferry	<b>Notify Date/Time:</b> 2024-07-25 20:48 (EDT)
<b>Licensee:</b> Browns Ferry	<b>Event Date/Time:</b> 2024-07-23 13:00 (CDT)
	<b>Modify Date/Time:</b> 2024-08-22 15:43
<b>Region:</b> 2	
<b>City:</b> Decatur	<b>Agreement State:</b> Yes
<b>County:</b> Limestone	<b>License #:</b>
<b>State:</b> AL	
<b>Notified by:</b> Mark Moebes	<b>Notifications:</b> Coovert, Nicole R2DO
<b>HOO:</b> Ernest West	Part 21/50.55 Reactors, - EMAIL
<b>Emergency Class:</b> Non Emergency	
<b>10 CFR Sections:</b>	
<b>21.21(d)(3)(i)</b> Defects And Noncompliance	
<b>PART 21 - HPCI RUPTURE DISC NOT WITHIN TECHNICAL REQUIREMENTS</b>	
The following information was provided by the licensee via phone and email:	
"Tennessee Valley Authority (TVA) completed an engineering evaluation for a Fike Metal Products 16-inch rupture disc, part number 16-CPV-C, which had failed in March 2024 during an event previously reported to the NRC as Event Notification 57036 and Licensee Event Report 260/2024-002-00.	
"The evaluation determined that the failure of the rupture disc constituted a failure to comply by a basic component which resulted in a substantial safety hazard.	
"The rupture disc was procured as a non-safety related item from Fike Corporation and commercially dedicated by Paragon Energy Solutions. The disc was supplied to TVA in a satisfactory condition meeting all acceptance criteria. During a routine flowrate surveillance test, the high-pressure coolant injection (HPCI) inner rupture disc developed a hole which caused the Unit 2 HPCI turbine to trip. This resulted in [Browns Ferry Unit 2] entering Technical Specification (TS) Limiting Condition for Operation (LCO) 3.5.1 Condition 'C', which is a 14-day shutdown LCO. Per HPCI system design criteria, turbine casing protection disc rupture pressure shall be at 175 psig plus 1 or minus 10 psig and the rupture discs shall be sized for a flow capacity of 600,000 pounds per hour at 200 psig, minimum. The failed HPCI inner rupture disc did not experience pressures above 45 psig since being installed; therefore, the HPCI turbine inner rupture disc did not meet its technical requirements.	
"On July 23, 2024, the Browns Ferry Nuclear Plant Site Vice President was notified of the requirement to report this event under 10 CFR 21.21. This is a non-emergency notification required by 10 CFR 21.21(d)(3)(i). A written notification in accordance with 10 CFR 21.21(d)(3)(ii) will be provided within 30 days."	
The following additional information was obtained from the licensee in accordance with Headquarters Operations Officers Report Guidance:	
Both Fike Corporation and Paragon Energy Solutions have been informed of the HPCI inner rupture disc not meeting technical requirements. Known potentially affected plants include Browns Ferry Units 1, 2, and 3.	
* * * RETRACTION ON 08/22/24 AT 1522 EDT FROM CHASE HENSLEY TO JOSUE RAMIREZ * * *	
The following information was provided by the licensee via phone and email:	
"The purpose of this notification is to retract a previous event notification, EN 57245, reported on 7/25/24.	
"Continued evaluation has concluded that the failure of the disc was not the result of a failure to comply by a basic component, therefore, the NRC non-emergency 10 CFR 21.21 (d) report was not required and the NRC EN 57245 can be retracted.	