

**From:** [Tuckman, Ari D](#)  
**To:** [Hoc, HOO X](#)  
**Cc:** [David Rivard](#); [Ethan Salsbury](#); [Milton, Scott T](#); [Jack Minzer Bryant](#); [Andrews, Sherry E](#)  
**Subject:** [External\_Sender] Catawba Nuclear Station Interim Part 21 Report  
**Date:** Monday, October 28, 2024 1:55:15 PM  
**Attachments:** [Interim Report - Signed.pdf](#)

---

As discussed on the phone earlier today, please see the attached Interim Part 21 report from Catawba Nuclear Station.

Please let me know if any additional information is needed.

Thank you,  
Ari Tuckman  
Catawba Nuclear Station Regulatory Affairs  
803-701-3771



**Nicole Flippin**  
Vice President  
Catawba Nuclear Station

**Duke Energy**  
CN01VP | 4800 Concord Road  
York, SC 29745  
o: 803.701.3340  
Nicole.flippin@duke-energy.com

RA-24-0276

October 28, 2024

10 CFR 21.21

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-

Subject: Duke Energy Carolinas, LLC  
Catawba Nuclear Station, Units 1 and 2  
Docket Numbers: 50-413 and 50-414  
Interim Report of a Deviation or Failure to Comply Associated with Battery Charger  
Printed Circuit Board, Ametek Part #80-921-4031-90

In accordance with the requirements of Title 10 of the Code of Federal Regulations (10 CFR) 21.21(a)(2), Duke Energy Carolinas, LLC is submitting this interim report for Catawba Nuclear Station.

On 8/20/2024, a control room annunciator for 125 VDC Diesel Gen A Control Power System Trouble and OAC alarm Battery Charger 2DGCA trouble went into alarm. Upon receipt of the alarms, operators observed the DC output voltage was fluctuating from 127.4 to 131.3 over the course of one hour. Troubleshooting began on 8/21/24 and the charger control board was replaced. Following part replacement, positive stable indication was present on the DC output voltage on the charger.

The fluctuation of output voltage is not an expected condition and could potentially impact the associated battery charger's ability to perform its designed safety related function. In addition, this condition was identified within the documented service life of the component. Catawba Nuclear Station completed its 10 CFR Part 21 discovery process and determined the need to perform a 10 CFR Part 21 Evaluation. The vendor of the component (Ametek) was contacted and agreed to assume responsibility for performing the Part 21 Evaluation for the battery charger printed circuit board. This Part 21 Evaluation is being tracked by Catawba under Condition Report 02526388.

The circuit board was returned to Ametex for evaluation. The vendor evaluation is ongoing and is being tracked under Ametek failure analysis 24-006. Components of the circuit board are being returned to the manufacturer for additional evaluation. The overall evaluation will not be completed in time to support the requirement to complete the evaluation within 60 days. Because the 10 CFR Part 21 Evaluation cannot be completed within 60 days of discovery, Catawba is submitting this interim report. The due date for the evaluation to be completed is January 31, 2025.

Catawba Nuclear Station  
RA-24-276  
October 28, 2024  
Page 2

There are no new regulatory commitments contained in this letter. Should you have any questions concerning this submittal, please contact Ari Tuckman, Site Regulatory Affairs, at (803) 701-3771.

Sincerely,



Scott Milton  
Nuclear Support Services manager

xc: David Rivard  
Senior Resident Inspector  
Catawba Nuclear Station

Jack Minzer-Bryant  
NRC Project Manager  
Catawba Nuclear Station

Ethan Salsbury  
Director of Quality & EH&S  
Ametek