See attached Part 21 notification information associated with event # 57560 reported on 02/19/25 at 1050 est.

Please refer any additional question to Scott Milton, Nuclear Support Services Manager, at (803)701-3488.

Respectfully,

Scott Milton

Nuclear Support Services Manager

Catawba Nuclear Station

Desk (803) 701-3488 | Mobile (704) 351-4661

Part 21
Rep Org: Duke Energy, Inc.
Licensee: Duke Energy, Inc.
Region: 2
City: York   **State:** SC
Docket: 05000413 (unit 1), 05000414 (unit 2)
NRC Notified By: Scott Milton (803)701-3488
Notification Date: 02/19/2025

Emergency Class: Non-Emergency
10 CFR Section: 21.21(d)(3)(i) - Defects and Noncompliance

Event Text
PART 21 – LOVE CONTROLLER WORKMANSHIP ISSUES

Catawba Nuclear Station has determined that a defect associated with Love Controllers
identified with Limpet supplier part number 54-834-838-8187-8160-8134-8174 is reportable
under 10 CFR Part 21.

The subject parts were procured as commercial grade items and dedicated by Duke Energy,
Inc., solely for use at Catawba Nuclear Station. Manufacturer circuit board workmanship issues
associated with the Love Controller resulted in a failed controller installed in Catawba's 2A1
Emergency Diesel Generator Room Ventilation train and resulted in Catawba submitting
Licensee Event Report (LER) 2024-001-00. The loss of one Emergency Diesel Room
Ventilation Fan, under certain conditions, could cause a loss of safety function at elevated
outside air temperatures and could result in a substantial safety hazard. All other Love
Controllers installed and in Duke Energy's warehouse were subsequently inspected for similar
workmanship issues.

The NRC senior resident inspector has been notified. No other nuclear plants were affected as
the part has not been sold or transferred to another facility.