

## Hoc, HOO X

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**From:** Eric Frank <eric.frank@dteenergy.com>  
**Sent:** Friday, May 26, 2023 3:27 PM  
**To:** Hoc, HOO X  
**Cc:** Thomas Taylor  
**Subject:** [External\_Sender] RE: 10 CFR Part 21.21(a) Interim Evaluation  
**Attachments:** NRC-23-0037 10 CFR Part 21.21 Interim Evaluation.pdf

As discussed on the phone, attached is the corrected correspondence for the 10 CFR 21.21(1)(2) Interim Evaluation for the Fermi 2 Power Plant.

Thank you,

**Eric W. Frank**  
**DTE Fermi 2 Power Plant | Manager – Licensing**  
[o] 734.586.4772  
[m] 419.340.1351  
[eric.frank@dteenergy.com](mailto:eric.frank@dteenergy.com)

*My working day may not be your working day. Please do not feel obliged to reply to this email outside of your normal working hours.*

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**From:** Eric Frank  
**Sent:** Friday, May 26, 2023 2:16 PM  
**To:** hoo.hoc@nrc.gov  
**Cc:** Thomas.taylor.nrc.gov <Thomas.taylor@nrc.gov>  
**Subject:** 10 CFR Part 21.21(d) Notification

Attached is a formal 10 CFR Part 21.21(d) notification for the Fermi 2 Power Plant. This email will be followed up with a phone call to the NRCOC.

Should you have any questions or require additional information, please contact me.

Regards,

**Eric W. Frank**  
**DTE Fermi 2 Power Plant | Manager – Licensing**  
[o] 734.586.4772  
[m] 419.340.1351  
[eric.frank@dteenergy.com](mailto:eric.frank@dteenergy.com)

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May 26, 2023  
NRC-23-0037

10 CFR Part 21.21(a)(2)

U.S. Nuclear Regulatory Commission  
Attention: Operations Center  
Washington, DC 20555-0001

Fermi 2 Power Plant  
NRC Docket No. 50-341  
NRC License No. NPF-43

Subject: 10CFR 21.21(a)(2) Interim Evaluation

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References: 1) Fermi License Event Report (LER) No, 2023-001 [ML23142A189]

On 5/25/23, during an in-progress root cause analysis being performed by Fermi, it was confirmed by DTE/Fermi personnel that the failure was due to defect or design issue that resulted in the brake not functioning and preventing the Mechanical Draft Cooling Towers from performing their Safety Function.

As previously reported under Fermi LER 2023-001-00 submitted 5/22/23- At 1145 Eastern Daylight Time (EDT) on March 23, 2023, it was determined that all Mechanical Draft Cooling Tower (MDCT) fan brakes would not perform their design function during a tornado due to the speed switch not functioning over its published voltage and frequency ranges. The MDCT fan brakes are required to prevent fan over speed from a design basis tornado. On May 25, 2023, Fermi completed its 10 CFR Part 21 discovery process and determined the need to perform a 10 CFR Part 21 Evaluation. The vendor (Engine Systems Inc. (ESI)) was contacted and the purchaser (Fermi) assumed responsibility for performing the Part 21 Evaluation for the supplied mechanism. This Part 21 Evaluation is being tracked by Fermi CARD 23-20075.

It has been determined the direct cause of the event was due to the DYNALCO speed switch model SST-2400A-1, supplied by ESI, not functioning over its published voltage and frequency ranges. Corrective actions were taken to develop a design change to correct MDCT fan speed control system returning the MDCT fans, UHS, and the service water subsystems to service on March 24, 2023. The Root Cause Evaluation is ongoing and written follow-up will be provided in 30 days by providing a supplement to the original LER by 6/24/2023.

No new commitments are being made in this submittal.

USNRC  
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Should you have any questions or require additional information, please contact me at (734) 586-4772.

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric Frank". The signature is stylized and cursive.

Eric Frank  
Manager - Nuclear Licensing as Delegated by  
Stephanie Banker - VP - Engineering & Technical  
Support

Enclosure: None

cc: NRC Resident Office