

February 7, 2022

Sent Via Electronic Transmission

Mr. Gregory A. Ochs
Director, Central Region, Office of Pipeline Safety
Pipeline and Hazardous Materials Safety Administration
901 Locust Street, Suite 480
Kansas City, MO 64106

Re: CPF 3-2022-016-NOPV

Dear Mr. Ochs,

From July 19 to September 17, 2020, representatives of the Pipeline and Hazardous Materials Safety Administration (PHMSA), pursuant to Chapter 601 of 49 United States Code, inspected Enbridge Energy, Limited Partnership's (Enbridge) Control Room Management (CRM) procedures and records in Edmonton, Alberta, Canada. On January 7, 2022, PHMSA issued the above-referenced Notice of Probable Violation and Proposed Compliance Order (NOPV) focusing on discrete sections of Enbridge's CRM procedures. On the same day, PHMSA also issued a Notice of Amendment (NOA) (CPF 3-2022-015-NOA) regarding the same CRM procedures.

In response to the NOPV, Enbridge offers comments and an explanation, set forth below, regarding each item. Enbridge also submits a separate response to CPF 3-2022-015-NOA, and cross-references its response to the NOA herein.

As set forth in its response to the NOA, Enbridge has amended its CRM procedures. Enbridge respectfully believes that its amendments to the CRM procedures address PHMSA's concerns and are compliant with 49 CFR § 195.446.

Enbridge accepts PHMSA's issuance of a Warning in Item 1 and issuance of a Compliance Order in Item 2. As set forth below, Enbridge is following through with the requirements of the Compliance Order by complying with the amendments to the CRM procedures at issue.

To the extent that PHMSA believes that Enbridge's amendments to the CRM procedures are not adequate, or that the steps that Enbridge is taking to comply with the terms of the Compliance Order are not sufficient, Enbridge would like to set up a virtual meeting with PHMSA to address any such concerns. Enbridge reasonably anticipates that PHMSA and Enbridge will be able to reach a consensus on the amendments to the CRM procedures and the terms of the Compliance Order. In the unlikely event, however, that PHMSA and Enbridge are not able to reach a consensus on the adequacy of Enbridge's amendments to the CRM procedures or the

terms of the Compliance Order, and to ensure that Enbridge does not waive its procedural rights, Enbridge requests a hearing.

PHMSA Finding:

1. §195.446 (c) Provide adequate information.

(1)....

(2) Conduct a point-to-point verification between SCADA displays and related field equipment when field equipment is added or moved and when other changes that affect pipelines safety are made to field equipment or SCADA displays:

Enbridge's point-to-point documentation failed to demonstrate compliance. A review of Point to Point (P2P) documentation did not support verification of correct alarm priority, alarm messaging, and that set points triggered appropriately and were logged to the event log in SCADA. During the inspection, operator personnel, in response to a question asking if these items were checked, responded, "Yes, but probably not documented." In another instance, operator personnel stated it was "assumed" the items were checked as the records did not indicate such.

Enbridge Response:

Enbridge does not contest this finding and accepts the issuance of a Warning.

As described in the Notice of Amendment (NOA), Re: CPF 3-2022-015-NOA, PHMSA Finding 1, Enbridge has enhanced SCADA Point to Point (P2P) documentation to include more thorough instructions for verification and documentation of P2P verification checks.

PHMSA Finding:

2. §195.446 (c) Provide adequate information.

(1)....

(3) Test and verify an internal communication plan to provide adequate means for manual operation of the pipeline safely, at least once each calendar year, but at intervals not to exceed 15 months.

Enbridge failed to test and verify their internal communication plan to provide adequate means for manual operation of the pipeline safely, at least once each calendar year, but at intervals not to exceed 15 months for the years 2017, 2018, and 2019.

Enbridge identified its internal communication plan as the *Quarterly Qualified Individual Notification Exercise (QINE)*. Enbridge described this in their Control Room Management (CRM) Plan, Version 11.0, as a "spontaneous exercise verifying that employees qualified in the manual operation of pipelines can be contacted in a timely manner." Enbridge performed quarterly calls to these individuals and asked each person three questions to

verify their role and contact information. However, § 195.446(c)(3) requires an internal communication plan to "provide adequate means for manual operation of the pipeline safely." For major SCADA outages, Enbridge indicated their practice was to shut down the pipeline, which would need to be a manual operation. While Enbridge had procedures to facilitate shutdown, in practice they did not facilitate tests or drills to exercise the procedures for the manual shut down of the pipeline.

Enbridge's "Communications Failure – Pipeline" and "Communications Failure – Terminal" procedures were more specific in the steps controllers and field personnel must follow to initiate either manual shut down of equipment or continue manual operation of pipeline sections, and for reporting requirements of local operations to the control room. These processes were also not tested to verify their internal communication plan to provide adequate means for manual operation of the pipeline safely.

Enbridge Response:

Enbridge does not contest this finding and agrees to take the necessary actions to meet the terms of the Compliance Order, subject to PHMSA's acceptance of Enbridge's amendments to the CRM procedures.

As described in the Notice of Amendment (NOA), Re: CPF 3-2022-015-NOA, PHMSA Finding 2, Enbridge has enhanced documentation to include testing and verification of procedures which may require field personnel intervention. Enbridge will perform a Quarterly Individual Notification Exercise (QINE) and a manual operations tabletop exercise, consistent with the amendments to its CRM procedures, within the time frame specified in the proposed Compliance Order.

A copy of the QINE exercise and the manual operations tabletop exercise will be provided to PHMSA when these sessions are complete as specified in the proposed Compliance Order.

As stated, Enbridge respectfully believes that its amendments to the CRM procedures and the actions it is taking to comply with the Compliance Order meet the requirements of 49 CFR § 195.446. Should you have any questions or require further information, or if you would like to set up a virtual meeting, please contact me.

Sincerely,



David Stafford
Manager, US Pipeline Compliance