ENBRIDGE

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VIA EMAIL

December 21, 2018

Director C. Heidi Grether
Michigan Department of Environmental Quality (MDEQ)
Constitution Hall
525 West Allegan Street
Lansing, MI 48933

Re: Line 5 Dual Pipelines Coating Inspections

Dear Director Grether:

Enbridge is fully committed to ensuring the continued safety and integrity of the existing Dual Pipelines through a rigorous inspection and repair program.

Specific to the coating and in accordance with Paragraph I(D) of the Second Agreement entered on October 4, 2018 by Enbridge and the State of Michigan, DEQ and the Michigan Department of Natural Resources (collectively "the State"), Enbridge will conduct a Close Interval Survey (CIS) of the Dual Pipelines every two years to inspect the condition of the coating on the Dual Pipelines. Further, in accordance with the December 2018 Third Agreement between Enbridge and the State, such surveys will be conducted annually beginning in 2024.

In addition, Paragraph 5.2 of the Third Agreement provides that Enbridge will complete inspection of pipeline coatings at all locations where screw anchor supports have been installed, as well as at other agreed-upon locations, and will promptly repair the coating at any and all locations where bare metal is visually identified.

As you are aware, in 2018, while performing work under the Anchor Inspection Work Plan ("AIWP"), Enbridge, with the concurrence of the MDEQ, prioritized the completion of remaining coating inspections. Any bare metal location that was observed during such inspections was immediately repaired in accordance with the AIWP. Any calcareous deposits that were discovered were inventoried, but were not disturbed given the fact that their removal could have created new areas of bare metal that might not have been repaired during the work season.

The January 15, 2018 report by the Mears Group Inc. (Mears), which was included as Appendix G to Enbridge's January 2018 AIWP Interim Report, identifies industry practice which supports not disturbing calcareous deposits that are identified on the Dual Pipelines and specifically concludes that:

> *Most importantly, a review of In-Line Inspection data has shown that Line 5 is not currently experiencing external corrosion issues across that Straits and to remove the calcareous deposits may introduce unintended consequences that may adversely alter the current state of effective corrosion protection afforded Line 5. The retention of the calcareous deposits does not increase the risk of corrosion on Line 5.*

Enbridge plans to continue coating inspections in the 2019 work season. As was the practice in 2018, any bare metal locations that are observed during these inspections will be immediately repaired in accordance with the AIWP. Any calcareous deposits that are discovered will be inventoried, but will not be disturbed.

Once all inspections are complete, Enbridge will prepare a final report for the MDEQ and will be available to discuss.

Please let me know if MDEQ has any further views or questions on this issue or requires any additional information.

Sincerely,

ENBRIDGE ENERGY, LIMITED PARTNERSHIP
By Enbridge Pipelines (Lakehead) LLC
Its General Partner

Bradley F. Shamla
Vice President, U.S. Operations

cc: Mr. Keith Creagh, Director Michigan Department of Natural Resources