Set forth below is a general time line of actions taken by Enbridge following the damage to two ATC transmission cables that occurred on April 1, 2018. This time line focuses on key events and is not intended to be exhaustive in detail. The sequence laid out below is based on currently available information. Information is still being collected and analyzed by the company.

Summary

The damage to two ATC cables in the Straits is believed to have occurred on Sunday, April 1, 2018. ATC informed Enbridge of the damage and release of mineral oil from the two cables mid-morning on Tuesday, April 3.

As a precautionary measure, Enbridge shut down Line 5 on the afternoon of Tuesday, April 3, in order to thoroughly evaluate all operating data and leak detection systems. Enbridge also launched additional inspection tools on each of the dual pipelines on Wednesday, April 4, to confirm the integrity of the pipelines. A review of all available data following these tool runs indicated the structural integrity of the pipelines had not been compromised and Line 5 was restarted Wednesday afternoon.

A second series of ILI runs occurred on Saturday, April 7. The ILI tool used on April 7 has a higher resolution than the tool used on April 4. Results from these ILI runs will be provided to the Coast Guard, PHSMA, the State and federal regulators as they become available.

Time Line

(April 1 to April 7, 2018)

Sunday, April 1	Damage to the ATC cables occurs at approximately 5:30 p.m. EDT. Time stated is based on public information from subsequent investigation led by Coast Guard.
Tuesday, April 3	Enbridge learns mid-morning from ATC of the damage to the ATC cables and release of mineral oil. As a precautionary measure, Line 5 is shut down at approximately 5:30 p.m. EDT Tuesday afternoon. The line remains shut down until Wednesday afternoon. In addition to a review of its leak detection systems, Enbridge reviews data from an experimental acoustic monitoring system operating on one leg of the dual pipelines. Enbridge asks Baker Hughes, an Enbridge contractor operating the experimental system, to analyze an acoustic signal detected on April 1.

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	Enbridge also reviews data collected from a Vesper Marine Data system installed by Enbridge to monitor ship traffic in the Straits and in the area of Line 5. Data for April 1 recorded a number of vessels passing through this area including one proximate to the time of the damage to the ATC cables.
Wednesday, April 4	Line 5 restarts at approximately 1:30 p.m. EDT to allow an in-line inspection tool to be used on both of the dual pipelines. The tool used is capable of detecting significant dents or deformation of the pipes. A review of all available data following the tool runs indicates that the structural integrity of the pipelines had not been compromised and Line 5 returns to normal operations on Wednesday afternoon. Baker Hughes provides its initial report of an acoustic signal detected by its experimental system. The report does not offer any definitive information on the cause of the acoustic signal. While the report notes "a possible pipeline impact," that possibility remains under review, no conclusions have been reached and the report should not be deemed definitive. Baker Hughes is continuing its analysis of the data and any further report will be made available to investigators.
Thursday/Friday, April 5-6	Enbridge prepares to run a high resolution caliper tool with on-board Inertial Movement Unit (IMU) on April 7. Enbridge reviews other systems, including cathodic protection (CP) system on pipelines across the Straits. No anomalies are detected.
Saturday, April 7	Enbridge runs high resolution caliper tool with on-board Inertial Movement Unit (IMU) on the dual lines. Enbridge has requested that the vendor provide results for these runs as soon as possible. Enbridge will provide results from these runs to the State and EPA when available.
Ongoing	Enbridge is participating as a stakeholder in the ICS headed by the U.S. Coast Guard. Enbridge has briefed relevant agency heads at State of Michigan agencies on pro-active actions taken by Enbridge in response to the ATC incident. Enbridge will continue to inform and brief agencies as information is available/develops. Enbridge informed EPA of plans to conduct the ILI on for April 7. Enbridge has informed its federal regulator, the Pipeline and Hazardous Materials Administration (PHMSA), of the status of Line 5.