

memo

Date: April 6, 2016

To: Joel Kanvik

From: Len Leblanc

Re: Line 5 Straits of Mackinac Changes in Maximum Allowable Operating Pressure

Joel,

In support of the Michigan Attorney General request for the subject information, Table 1 below provides a description of the changes in maximum allowable operating pressure (MAOP) at the Straits of Mackinaw over the past 5 years. Naubinway (NA) station, located approximately 34 miles upstream of the Straits, is the pump station that regulates the pressures at the Straits crossing. The base maximum discharge pressure (BMDP) is a set point at the discharge of the pump station to protect the MAOP of the pipeline. The table below contains the change in the BMDP since 2011.

Table 1: Changes to the BDMP (i.e. station output pressure) at NA

Date	Description	Allowable Pressure (psi)	
		Crude	NGL
2011-07-22	Settings changed due to pressure restrictions imposed by Pipeline Integrity	554	563
2012-02-15	Settings changed due to a 90% of the last 90 day high discharge pressure restriction imposed by pipeline integrity	476	472
2012-02-17	Settings changed due to a 90% of the last 90 day high discharge pressure restriction imposed by pipeline integrity	475	431
2012-03-07	Settings changed due to a removal of the 90% of the last 90 day high discharge pressure restriction imposed by pipeline integrity	556	555
2012-12-10	Settings changed due a rate increase to 78100 m3/d	500	500

(Current setting)	MOC		
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The setting changes imposed by pipeline integrity were due to in-line inspection identified features in the pipe sections between Naubinway Station to the Straits Crossing and/or from the Straits Crossing to the Mackinaw Station. They were not imposed due to features within the Straits Crossing section.

Regards,

Len Leblanc, Director Pipeline Integrity Systems