

Winsor, Jennifer (SD)

Subject: Diageo NoA -Clear Water Alteration

From: Pietrus, Roman
Sent: August-25-16 4:43 PM
To: Winsor, Jennifer (SD)
Cc: Burland Ross, Siobhan (SD)
Subject: RE: Diageo NoA -Clear Water Alteration

Jennifer,

In reviewing the monthly discharge temperature ranges (you provided) and I believe that the average actual temperatures of clear water exiting the end of our outfall pipe into Lake Winnipeg under the NoA requested, would be within the monthly range.

Please note that the temperature of clear water of 22 °C, provided you in an e-mail dated 8-15-16, was an instantaneous reading and prior to the flow entering our outfall pipe during the month of August and as such confirms that it was within the range you provided. Thank you.

Regards

Roman J. Pietrus
Engineering & Maintenance Manager
DIAGEO Canada Inc.
Distillers of **Crown Royal** Whisky
Box 2000 - 19107 Seagram Road
Gimli, Manitoba, Canada, R0C 1B0

From: Winsor, Jennifer (SD) [<mailto:Jennifer.Winsor@gov.mb.ca>]

Sent: Wednesday, August 24, 2016 11:25 AM

To: Pietrus, Roman

Cc: Burland Ross, Siobhan (SD)

Subject: RE: Diageo NoA -Clear Water Alteration

Roman,

The Water Quality Management Section has provided the following comment regarding Diageo's proposed discharge of cooling water to Lake Winnipeg:

- The Water Quality Management Section has determined a monthly average temperature, with standard deviations, along the west side of Lake Winnipeg. This temperature was determined from data collected at 6 sites during the last ten (10) years. Provided the discharge water could reach the following temperature ranges, by the end of pipe, it is accepted that normal species diversity would be preserved in the receiving waters.

	MWAT (°C)	+/- (°C)
January	1	1
February	1	1
March	1	1
April	1	1
May	11	3
June	14	3
July	22	2
August	21	1
September	17	2
October	12	2
November	7	2

December	1	1
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Can you please comment on the temperature of the cooling water at the end of pipe and whether the proposed discharge would meet the temperature range shown?

Thank you,

Jennifer Winsor, P.Eng.

Environmental Engineer

Environmental Approvals Branch

Department of Sustainable Development

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