

March 7th, 2016

Ms. Tracey Braun, Director
Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
123 Main Street, Suite 160
Winnipeg, Manitoba R3C 1A5

Dear Ms. Braun

Subject: Red River Floodway Environment Act Licence No. 2691 – Clause 18

Please find encompassed in this letter report a summary of all primary and backup staff for the potential operation of the Red River Floodway during the spring and summer of 2016. This listing of qualified staff covers forecasting and operating positions and is in compliance with Clause 18 of Environment Act License 2691.

The Red River Floodway operations control staff and qualifications are:

- Primary Staff:
 - *Mr. Peter Johnston, P. Eng., Senior Hydrologic Operations Engineer, Manitoba Infrastructure and Transportation.* Mr. Johnston has a B.Eng. in Civil Engineering from Lakehead University. Mr. Johnston has 10 years of engineering experience in the field of Water Resources.
- Back-up staff:
 - *Ms. Erika Collet, P. Eng., Hydrologic Operations Engineer, Manitoba Infrastructure and Transportation.* Ms. Collet has a M.Sc. in Civil Engineering from the University of Manitoba. Ms. Collet has been involved in floodway operation and analysis since the spring of 2013 and has 8 years of engineering experience in the field of Water Resources.
 - *Mr. Chris Propp, P. Eng., Hydrologic Services Engineer, Manitoba Infrastructure and Transportation.* Mr. Propp has a B.Sc. in Civil Engineering from the University of Manitoba. Mr. Propp has been involved in floodway operation and analysis since the spring of 2013 and has 8 years of engineering experience in the field of Water Resources.

The Red River Floodway forecasting staff and qualifications are:

- Primary Staff:
 - *Dr. Fisaha Unduche, Director - Hydrologic Forecasting & Coordination Branch, Manitoba Infrastructure and Transportation.* Dr. Unduche has a Masters of Civil Engineering from the International Institute of Hydraulic Engineering in the Netherlands and a Bachelor of Science Degree from Arbaminch Water Technology Institute, Ethiopia. Dr. Unduche oversees the day to day operation of Manitoba's Hydrologic Forecast Centre and the Development Review and Flood Proofing sub-section to ensure a high level of service to all levels of government and the public. Prior to becoming the Director of Hydrologic Forecasting and Coordination branch, Dr. Unduche had been working for 6 years as the Senior Water Control Systems Planning Engineer for the Province of Manitoba. Dr. Unduche has experience conducting hydro-meteorological analysis, hydrologic modeling, and watershed studies for a number of lakes and rivers to assess and mitigate flooding. He has also been the engineering project manager for a number of large water resources management projects, and he has experience conducting hydraulic designs, technical and economic feasibility studies, planning exercises, project assessments and hydrodynamic modeling of a number of complex water resources management and flood mitigation problems.
 - *Mr. Jeff Krut, P.Eng., Flood Damage Reduction Hydraulic Engineer, Manitoba Infrastructure and Transportation.* Mr. Krut has earned a B.Sc. in Civil Engineering from the University of Manitoba. He has 8 years experience with hydraulic and hydrologic modeling. Since joining MIT in 2013 he has provided forecasts and developed hydrodynamic models for a number of rivers in Manitoba including the Red River.

The Red River Floodway Inlet Control Structure operations staff and qualifications are:

- Primary Staff:
 - *Mr. Roger Lemoine, Senior Water Control Technician, Manitoba Infrastructure and Transportation.* Mr Lemoine has acquired 33 years of experience with the Department and an equal amount of time operating and maintaining the Inlet Control Structure.
 - *Mr Rick Dubois, Water Resources Supervisor, Manitoba Infrastructure and Transportation.* Mr. Dubois has 33 years of experience with the Department and has 22 years of experience operating and maintaining the Inlet Control Structure.
 - *Mr. Phil Laberge, Construction Worker, Manitoba Infrastructure and Transportation.* Mr. Laberge has acquired 12 years of experience with the Department and an equal amount of time operating and maintaining the Inlet Control Structure.
 - *Mr. Carmen Scarpino, Construction Worker, Manitoba Infrastructure and Transportation.* Mr. Scarpino has acquired 6 years of experience with the

Department and an equal amount of time operating and maintaining the Inlet Control Structure.

- Backup Staff:
 - *Mr. Mark Bain, Water Resources Supervisor, Manitoba Infrastructure and Transportation.* Mr. Bain has acquired 13 years of experience with the Department and 5 years experience operating and maintaining the Inlet Control Structure.
 - *Mr. Don Mrox, Construction Worker, Manitoba Infrastructure and Transportation.* Mr. Mroz has acquired 12 years of experience with the Department and 8 years experience operating and maintaining the Inlet Control Structure.
 - *Mr. Ted Greschuk, Construction Worker, Manitoba Infrastructure and Transportation.* Mr. Greschuk has acquired 7 years experience with the Department and 3 years of experience maintaining the Inlet Control Structure.
 - *Mr. Scott Jackson, Regional Operations Manager, Manitoba Infrastructure and Transportation.* Mr. Jackson has acquired 16 years experience with the Department in flood control works and 7 years of experience in the operation and maintenance of the Inlet Control Structure.
 - *Mr. Arvid Ewashko, C.E.T., former Superintendent, Manitoba Infrastructure and Transportation.* Mr. Ewashko has acquired 16 years of experience operating and maintaining the Inlet Control Structure. Although not currently active in the operation and maintenance of the Inlet Control Structure, Mr. Ewashko still works for the Department and is available in emergency situations.

I trust the above information is satisfactory.

I may be reached by telephone at (204) 619-4359 if additional information is required.

Sincerely,



Ryan Coulter
Manager, Environmental Services

CC: Doug McMahon
Steve Topping
Chris Propp
Eugene Kozera
Fisaha Unduche
Scott Jackson

Ron Richardson
Jason Senyk
Roger Lemoine
Bruce Webb
Peter Johnston