

Tier 2
ORC-2PR_810-P-16
Revision Original
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# Environmental Management System

## Procedural Documentation **Roads and Water Crossings**

### 1.0 Purpose:

To identify methods that ensure roads and water crossings are monitored and maintained at regular intervals to ensure adverse effects on the environment are minimized.

### 2.0 Scope:

This procedure applies to employees, contractors, overlapping licensees, or summer staff who drive on any roads, highways or in block operational roads on the Lac Seul Forest.

### 3.0 Responsibilities:

- 3.1 ORC Operations Forester or Designates
- 3.2 ORC Silviculture Forester or Designates
- 3.3 All Contractors and Sub-Contractors for ORC
- 3.4 Overlapping License Holder (OLL) and their Sub-Contractors or Designates

### 4.0 Procedures:

4.1 The **ORC Operations Forester or Designates** shall ensure:

4.1.1 Primary, branch, and operational roads and water crossings for which ORC is responsible (e.g. roads and road networks identified in Table FMP-18 (Roads table) for FMPs as per the 2009 FMPM, are monitored & documented as per Table 4.1.1 as listed below; unless, required otherwise by the respective FMP &/or associated Compliance Plan.

4.1.2 All road and water crossing inspection/monitoring results are evaluated and considered for follow up action on a priority basis in consideration of the risk to public safety, environmental concerns, and available resources. Every documented water crossing inspection is assigned a priority for repair.

4.1.3 Emergency repairs on active roads are implemented where warranted to ensure public safety, fish passage, and continuation of forest operations.

4.1.4 A priority listing of crossings to be repaired or removed is maintained for consideration in planning the annual roads and water crossing maintenance program.

4.1.5 A copy, of inspection documentation (as listed below in Table 4.1.1) for the previous OMNRF fiscal year end (AWS year) is:

- Provided to the **ORC Operations Forester or Designates** by April 30th for inventory update and filing;

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**Table 4.1.1 Road/Bridge/Water Crossing Inspection & Documentation Specifications**

Roads Activity	Description (As per AWS)	Inspection / Documentation Requirements	Minimum Inspection Frequency
New Water Crossing Work	New installation; replacement or removal of any bridge, culvert, ford, ice, or other crossing.	FOIP Reporting.  Inspection required upon completion. Inspection documentation to include the following information (minimum): Crossing ID#; UTM Location information (if no Crossing ID# exists); Road Name (as applicable); Inspection Date; Inspectors Name; Work Activity; Structure Type; and Priority Rank.  Use <u>MNR Water Crossing Inspection Form</u> or a completed FOIP report that is in compliance.	FOIP required per Compliance Plan in respective FMP.  All new crossings for bridges, culverts, fords, and ice crossings.
<i>Bridges - active</i>	Bridges actively used for heavy truck hauls. (Note: a bridge includes culverts > 3000 mm dia.)	Use <u>MNR Bridge Inspection Checklist</u> .  Refer to following sections of Crown Land Bridge Management Guidelines (OMNR 2008) attached; Appendix E Bridge Inspection Guidelines	Inspected Annually.
<i>Bridges - inactive</i>	Bridges not in use for heavy truck hauls but in drivable condition and open to public travel. (Note: a bridge includes culverts > 3000 mm dia.)	Use <u>MNR Bridge Inspection Checklist</u> .  Refer to following sections of Crown Land Bridge Management Guidelines (OMNR 2008) attached; Appendix E Bridge Inspection Guidelines	Inspected every 3 years.
Existing roads & water crossings	Roads and water	Use <u>MNR Water Crossing Inspection Form</u> .	Inspected every 3 years or per the respective FMP.

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<p>–active &amp; inactive</p>	<p>crossings that may or may not be in use for forest management purposes for the current year but are in drivable condition, are monitored periodically.</p>	<p>Active &amp; Inactive roads &amp; crossings that will be inspected will be scheduled annually.</p> <p>Monitoring documentation for each crossing is required to include the following information (minimum): Crossing ID#; UTM Location information (if no Crossing ID# exists); Road Name (as applicable); Date; Inspectors Name; Work Activity; Structure Type; and Priority Rank.</p>	
<p>Existing roads &amp; water crossings - inaccessible</p>	<p>Roads &amp; water crossings that are inactive and non-drivable are monitored during reconnaissance inspections (e.g. aerial, satellite, or air photo images).</p>	<p>Inaccessible roads &amp; crossings that will be inspected will be scheduled annually.</p> <p>Monitoring documentation for each crossing is required to include the following minimum information: Crossing ID#; UTM Location information (if no Crossing ID# exists); Road Name (as applicable); Date; Inspectors Name; and Priority Rank.</p>	<p>Inspected as part of reconnaissance inspection program once every 3 years or per the respective FMP.</p>

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**Table 5.1.2 Priority Ranking Classification**

Priority Rank	Description
1	Water crossing appears to meet requirements of the “Environmental Guidelines for Access Roads and Water Crossings” &/or the “Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales”; with no impediment to fish passage or water flow; no evidence of sedimentation; and no indication sedimentation is likely to occur. No follow up action required.
2	Water crossing is installed according to the “Environmental Guidelines for Access Roads and Water Crossings” &/or the “Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales”. Crossing may exhibit minor maintenance issues that are not of an urgent nature; that can be addressed as part of the road maintenance program in due time.
3	Water crossing does not meet the specifications of the “Environmental Guidelines for Access Roads and Water Crossings” &/or the “Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales”; exhibits major impediments to fish passage or water flow; sedimentation; and/or represents an immediate risk to safety or environment (i.e. washout). Immediate attention required with further investigation and action plan developed in consultation with OMNRF.

**4.2** The **ORC Operations Forester or Designates** shall ensure:

**4.2.1** A Water Crossing / Bridge Inventory database is developed and maintained for the forest with the following information for each water crossing: Crossing ID#; Latest Inspection Date; Responsibility Code; Work Activity (if applicable); Structure Type; and Priority Rank.

**4.2.2** Inspection documentation is entered into the GIS digital database (per above) and filed.

**4.3** The **ORC Operations Forester or Designates, ORC Silviculture Forester or Designates, Domtar Operations Forester Contractor or Designates, Overlapping Licensee Holder or Designates (OLL)** shall ensure:

**4.3.1** Roads/road networks in use for forest management purposes (e.g. harvest, renewal, tending and hauling activities) will be monitored on an ongoing basis.

**4.3.2** Reports from the public and other forest users regarding roads and water crossing issues will receive appropriate follow up as part of the monitoring program.

**4.3.3** Any identified problem water crossings that meet the description of a high priority for repair (i.e. priority rank 3) will have the minimum documented inspection information as listed in Table 4.1.1.

**4.3.4** A copy of documented inspections are provided for data entry and filing to the **ORC Operations Forester or Designates**.

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### References

Document / Form	I.D.#
Water Crossing Installations	ORC-2PR_810-P-16

### Revisions

#	Purpose	Prepared by	Approved by	Date
N/A	Original version	EMS Team	Pending	November 23, 2016
A				
B				
C				
D				
E				