

8.0 FOLLOW-UP SUMMARY

Follow-up is defined under the *Canadian Environmental Assessment Act* as a program to verify the accuracy of the environmental assessment of a project and determine the effectiveness of measures taken to mitigate the adverse environmental effects of the project. Follow-up requirements identified for the proposed Fishing Lake flood control berm upgrades in Section 6 are summarized in Table 8. The primary nature of the follow-up, whether it involves inspecting, monitoring, record keeping, or reporting is shown in Table 11 and described in the following sections.

8.1 INSPECTING

Inspecting involves periodic or regular observations of the project and local areas during construction and operation to determine whether mitigation measures are implemented and if they are effective in eliminating, reducing or controlling adverse environmental effects. Inspecting includes surveillance to identify problems, issues and concerns, and environmental effects not predicted in the environmental assessment report. Inspections may involve the use of checklists and will be maintained at the project site. Inspection requirements for the proposed project during site preparations and construction are summarized in Table 11. An appointed field staff for the design engineer or contractor awarded the construction would typically be responsible for most of the inspections during the site preparation and construction phases, while the proponent (SWA) or an appointed representative is responsible following completion of construction.

8.2 MONITORING

Monitoring includes periodic or regularly scheduled collection or sampling for environmental information in the project or local areas. Monitoring may be required by the environmental assessment or it may become necessary as a result of inspections that are carried out after the assessment. Follow-up monitoring for the proposed berm upgrades during the construction phase includes water quality before and after construction of the lakeside berms and examination of berm integrity. Monitoring during the operation phase includes examination of berm integrity, success of re-vegetation of berm and decommission of the borrow pits, and

success of compensation works (Table 11). Again, the proponent (SWA), an appointed field staff for the design engineer, or contractor awarded the construction would typically be responsible for most of the monitoring requirements.

8.3 RECORD KEEPING

Record keeping includes maintaining files and documentation related to mitigation measures and follow-up implemented as well as recording public complaints. Record keeping requirements for the proposed development includes monitoring and tracking complaints from local residents, submission of Material Safety Data Sheets (MSDSs) for all products used, numbers of small and burrowing mammals killed by construction activities and vehicles, number of vehicle-wildlife interactions, number of amphibians and reptiles observed on the site, fuel volumes delivered and used, number of monitoring and testing samples collected and analytical data generated, details of incidents requiring implementation of the emergency response plan and updating the emergency response plan following testing (Table 11). All records will be provided to the SWA.

8.4 REPORTING

Reporting in the context of environmental assessment follow-up includes documentation and communication that mitigation measures and follow-up are implemented and whether or not they have been effective. Such reports are normally required by the Regulatory Agency approving the project and are placed in the public registry for the project. There are also regulatory reporting obligations when hazardous substances are transported to or from the facility and/or stored on-site. Reporting is also required in the event of a spill or release of hazardous substance. Reporting requirements for the proposed project also include annual monitoring reports to Fisheries and Oceans Canada describing the success of the re-vegetation, stability of the lakeside berm slope, and long-term erosion control.