

## 10. PROJECT PERFORMANCE ASSESSMENT MONITORING

### 10.1 General

Planning guidance indicates that monitoring may be necessary to determine if the predicted outputs are achieved and to provide feedback for future projects. There are two types of monitoring.

**10.1.1 Cost-Shared Post-Implementation Monitoring.** This type of monitoring is rarely required. It is warranted when the risk and uncertainty of achieving the project outputs is high. Cost-shared monitoring must be clearly defined, justified, and limited to no more than 5 years. The cost of the monitoring included in the total project cost and cost shared with the non-Federal sponsor cannot exceed 1% of the total first cost of the project.

**10.1.2 Operation and Maintenance Monitoring.** This type of monitoring is not cost shared. The Sponsor is responsible for performing the monitoring plan.

### 10.2 Project Monitoring Plan

While there is no formal monitoring plan developed for this project, the Sponsor will be responsible for performing tasks related to the fisheries component of the project.

**10.2.1 Carp Removal.** The carp currently living in the lake will be removed during the construction draining of the lake. The Sponsor will then be responsible for implementing a carp removal program as a part of project O&M. However, once the lake is refilled, carp may enter the lake from upstream. The carp removal program as prescribed will further accomplish eradication.

**10.2.2 Dissolved Oxygen Concentration.** As described in Section 7, dissolved oxygen concentration will need to be monitored during the winter months to ensure that fatal levels are not reached. This metric will be used to determine settings for the intake structure. By bringing fresh river water into the lake during the winter months, a healthy level of dissolved oxygen should be maintained.

**10.2.3 Wisconsin Department of Natural Resources.** The WDNR has expressed interest in aiding the Sponsor with monitoring efforts. The level of aid has not been determined at this time and will depend on staffing and funding constraints. It should be noted that the WDNR plans to perform standard baseline sampling in 2004 and 2005 pending budget approval. Items include summer mini fyke survey and fall shock in the lake, and shocking component and mussel survey downstream of the dam. The project team supports these efforts.