

9.0 CONCLUSIONS

This environmental assessment report provides a review of the potential environmental effects, the significance of the adverse environmental effects and the identification of mitigation measures related to potential effects. The scope of the assessment includes the factors to be considered pursuant to both the Canadian Environmental Assessment Act and the BC Parks Impact Assessment process.

The majority of the potential effects to the area stemming from the proposed venue development were rated as **Low** to **Moderate** significance as per the BC Parks criteria. For those effects that have been rated as **High** significance, the implementation of identified mitigation measures will assist in reducing the significance of these effects. Overall the findings indicate the project will have limited to **Low** impact if the management plans and mitigation measures are developed and implemented.

Cumulative effects impacts were calculated to have **Moderate** significance and again through the implementation of the proposed Environmental Management Plan most of the significance can be monitored and managed. Accidents, malfunctions and unplanned events will be reduced to the lowest level possible through Erosion Control and Spill Management Plans and the development of the Dam Safety Plan. The effects of the environment and climate change are negligible. In terms of seismic activity it is concluded that adequate protection will be provided by British Columbia and National Building Codes. The situation of the facilities ensures that risk and damage due to Slope Instability is unlikely. Some potential does exist for Avalanche in an area close to the reservoir, however, since the forest area is in a successional stage this hazard will further diminish over time and this risk is considered to be limited.

VANOC will address high significance activities in each phase of the project as part of the VANOC commitment to sustainability, through mitigation and through the development and implementation of an Environmental Management Plan (EMP). A draft EMP is provided as Appendix E and details of the EMP will be finalized with the relevant regulatory agencies.

VANOC will also commit to, and provide assurances, for reducing the significance of each activity in each phase of the Project as part of the VANOC sustainability commitment for the Games. Based on the results of the environmental assessment, it is concluded that the Cypress Venue is not likely to cause significant adverse environmental effects.

