

6.4 The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Health Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment as it pertains to adverse environmental effects of changes to the quality of air and country foods on the health of Indigenous Peoples, taking into account available traditional knowledge provided by Indigenous groups related to current use of lands and resources for traditional purposes. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the implementation of the follow-up program, the Proponent shall:

6.4.1 identify, in consultation with Indigenous groups, the species of fish, vegetation and wildlife used as country foods and determine the locations where these species shall be monitored;

6.4.2 monitor, beginning prior to construction and continuing through post-closure, contaminants of potential concern, including mercury, methylmercury, arsenic and copper, in species at locations identified in condition 6.4.1;

6.4.3 monitor ambient air concentrations of TSP, PM10, PM2.5, NO2 and dustfall on Marcel Colomb First Nation's Black Sturgeon Reserve, and upwind and downwind from the Project development areas during all project phases, taking into account 24-hour and 1-hour thresholds of the Canadian Council of Ministers of the Environment's Canadian Ambient Air Quality Standards ~~during all project phases on Marcel Colomb First Nation's Black Sturgeon Reserve, and upwind and downwind from the Project development areas~~;

6.4.4 monitor meteorological conditions (including wind speed, wind direction, temperature and relative humidity) upwind and downwind of the Project development areas, during construction and operation; and

6.4.5 if the monitoring results referred to in conditions 6.4.2 and 6.4.3 exceed predicted levels in the Human Health Risk Assessment in Volume 5 Appendix H of the *Environmental Impact Statement*, ~~and or~~ thresholds of the *Canadian Council of Ministers of the Environment's Canadian Ambient Air Quality Standards*, ~~respectively~~, modify or implement additional mitigation measures pursuant to condition 2.8 based on the results of the follow-up program and update the Human Health Risk Assessment in Volume 5 Appendix H of the *Environmental Impact Statement*.

Commented [A1]: HC would suggest reordering the phrasing would improve clarity and consistency with the other conditions listed here.

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