
Schedule L - Conditions Applying to General and Aquatic Effects Monitoring Plans

1. The General Monitoring Plan, referred to in Part L, Item 1 of the Licence, shall include but not necessarily be limited to, the following:
 - a. updated operation monitoring plan which reflects the requirements of this licence.
 - b. describe the assessment of Stream C3 by a hydrologist and, if required, erosion protection measures should be in place prior to dewatering or discharge from the PKCA.
 - c. the Licensee shall monitor the condition of channels occupied by flow released from PKCA; and record water levels and discharges near outlet of Stream C3 at Lake C3.
2. The detailed QA/QC plan referred to in Part L, Item 5 of the Licence shall include but not necessarily be limited to the following:
 - a. consideration of the INAC “QA/QC Guidelines for Type “A” Licenses”;
 - b. approval of the plan by an analyst;
 - c. information on the analyst;
 - d. introduction on Quality Assurance/Quality Control and its principles and how the Plan elements will be implemented on site;
 - e. field sampling, locations, frequency, sample types, sample containers;
 - f. logging of samples, sample handling, preservation, transportation requirements, information requirements, chain of custody;
 - g. field measurements, calibration of field equipment;
 - h. sampling and analysis, use of field blanks, replicate samples, spiked samples and split samples;
 - i. laboratory analysis and information methods used for analysis;
 - j. laboratory QC and reporting of data;
3. The detailed Annual Seepage Survey in July or August referred to in Part L, Item 9 shall include but not necessarily be limited to the following:
 - a. to include routine monitoring of all surface storage facilities identified in Table 3;
 - b. to include the explosives storage and emulsion plant areas;
 - c. to include seepage chemistry results from any sumps in the plant area;
 - d. an annual seepage survey from the toe of the recovery plant rejects stockpile should be submitted to the Nunavut Water Board, along with the annual seepage survey results for all other waste and low grade ore stockpile; and
 - e. to include any seepage at the base of the West Dam and all other dams around the perimeter of the PKCA.
4. Aquatic Effects Monitoring Plan referred to in Part L, Item 10 of the Licence, shall include but not necessarily be limited to the following:
 - a. Clearly identifiable objectives;
 - b. A description of the area to be monitored including maps showing all sampling and

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control sites as well as the overall area of influence of the Project;

- c. A description of the sampling program that will be conducted throughout the term of the license to achieve the objectives of the AEMP including the variables, sample media, monitoring protocols and Quality Assurance/Quality Control (QA/QC) protocols;

- d. Specifically, the AEMP shall include, but not necessarily be limited to, the following;

- i. Water quality;
- ii. Sediment quality;
- iii. Fish and fish habitat;
- iv. Testing done at least once per month during discharge, on samples taken at the edge of the Lake C3 mixing zone, just before freeze up, using *Ceriodaphnia dubia*;
- v. Surface and shallow groundwater regimes;
- vi. Fish migration routes;
- vii. Water levels in Carat Lake with relation to water usage, lake recharge;
- viii. Structure, abundance and biomass of phytoplankton, zooplankton, benthic macro invertebrates and fish communities;
- ix. Contaminant levels in fish and procedures that will minimize impacts to fish populations;
- x. Establishment of control sites;
- xi. Procedures to assess the accuracy of the Licensee's impact predictions and effectiveness of mitigation measures;
- xii. Statistical design criteria, including a description of sampling frequencies for each parameter that ensures both accurate characterization of short-term variability and the collection of sufficient data to establish long-term trends;
- xiii. a description of procedures to analyze and interpret data collected;
- xiv. a description of evaluation criteria for the AEMP and approaches to revise and refine the Program;
- xv. description of how the results of the AEMP will be incorporated in the overall Adaptive Management strategies employed by the Licensee. This description shall include details related to any new monitoring requirements for the evaluation of the effects to the Receiving Environment, the management of the risk to the Receiving Environment and any mitigation/treatment methods that will be implemented;
- xvi. description of the QA/QC protocols. QA/QC protocols must ensure that any future changes in monitoring protocols will be calibrated to initial monitoring protocols and data sets so that continuity, consistency, validity, and applicability of monitoring results will be maintained;
- xvii. a description of the measures that will be taken to identify and address any information deficiencies; and
- xviii. how the AEMP will minimize the impacts of the Project