

October 17, 2022

Impact Assessment Agency of Canada  
160 Elgin Street, 22<sup>nd</sup> Floor  
Ottawa, ON K1A 0H3

Attention: Mr. Nicolas Courville

Dear Mr. Courville,

**Re: Site C Clean Energy Project – Decision Statement Condition 17.2,  
Implementation Schedule**

Please find attached an updated Implementation Schedule for the Site C Clean Energy Project. This schedule is being submitted in accordance with Condition 17.2 of the Decision Statement, which requires that an update to the implementation schedule be submitted on an annual basis *“in writing from the date of the initial submission of the schedule until the commencement of operation of the Designated Project.”*

The October 17, 2022 schedule outlines the final mitigation management plans, as well as the implementation schedule for key activities described within the mitigation and management plans themselves.

Please do not hesitate to contact me if you have any questions or comments.

Regards,

<original signed by>

Karen von Muehldorfer  
Regulatory Manager, Site C Clean Energy Project

Cc: Shanna Mason, Director, Environment, Regulation, Community Impacts & Properties  
Site C

**Site C Clean Energy Project  
Annual Update of the Implementation Schedule  
for Federal Decision Statement Conditions  
October 17, 2022**

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
<b>2. Accidents and Malfunctions</b>				
2.1 2.2 2.3	<p>The Proponent shall construct and operate the Designated Project in a manner that prevents accidents and malfunctions that may result in adverse environmental effects.</p> <p>The Proponent shall develop, in consultation with Environment Canada and the Agency, a plan to prevent accidents and malfunctions and outline procedures in the case of occurrence of an accident or malfunction.</p> <p>The plan shall include:</p> <p>2.3.1. identification of potential accidents and malfunctions associated with the Designated Project that may result in adverse environmental effects;</p> <p>2.3.2. for each potential accident and malfunction identified:</p> <p>2.3.2.1. measures to prevent its occurrence;</p> <p>2.3.2.2. a communication plan in case of occurrence, including notifications to be provided;</p> <p>2.3.2.3. measures to be implemented in case of an occurrence to minimize any adverse environmental effects; and</p> <p>2.3.2.4. a reporting process on any environmental effects of the occurrence.</p>	-	June 2015	<ul style="list-style-type: none"> <li>• The Accidents and Malfunctions Plan is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a></li> <li>• The plan is reviewed on an annual basis to determine if any updates are necessary. In the event of an occurrence of an accident or malfunction, BC Hydro will update the plan to incorporate new procedures and measures to avoid a reoccurrence, as necessary.</li> <li>• Status of implementation of the Accidents and Malfunctions Plan is described in the latest annual update, submitted to regulators on March 31, 2022. The next annual report will be submitted to regulators by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
2.4	The Proponent shall submit to Environment Canada and the Agency a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>• The draft Accidents and Malfunctions Plan was submitted to regulators on October 17, 2014.</li> </ul>
2.5	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction.	-	June 2015	<ul style="list-style-type: none"> <li>• The final Accidents and Malfunctions Plan was submitted to regulators on June 5, 2015.</li> </ul>
2.6	The Proponent shall implement the plan and provide to the Agency a review and summary of the implementation of the plan as well as any updates required to the plan on an annual basis commencing with construction. In the event of an occurrence of an accident or malfunction, the Proponent shall update the plan to incorporate new procedures and measures to avoid a reoccurrence, as necessary.	-	Ongoing	<ul style="list-style-type: none"> <li>• Status of implementation of the Accidents and Malfunctions Plan is described in the latest annual update, submitted to regulators on March 31, 2022. The next annual report will be submitted to regulators by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>

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<b>3. General Conditions</b>				
3.1 3.2 3.3	<p>The Proponent shall, throughout the life of the Designated Project, ensure that its actions in meeting the conditions set out in this Decision Statement are informed by the best available information and knowledge, based on validated methods and models, undertaken by qualified individuals and apply the best available economically and technologically feasible mitigation strategies.</p> <p>The Proponent shall consult Aboriginal groups on the most appropriate manner in which to engage in consultation to meet the requirements of the conditions set in this Decision Statement.</p> <p>The Proponent shall carry out consultation for the plans required in this Decision Statement in a manner whereby it:</p> <p>3.3.1 provides, to each government department and agency, organization and Aboriginal group to be consulted:</p> <p>3.3.1.1 an opportunity to provide input during the development of the plan;</p> <p>3.3.1.2 a draft plan of sufficient detail and completeness to allow that government department and agency, organization and Aboriginal group to prepare its views or information on the draft plan; and</p> <p>3.3.1.3 a reasonable period for that government department and agency, organization and Aboriginal group to prepare and present its views or information on the draft plan unless the timeframe is otherwise specified;</p> <p>3.3.2 considers, fully and impartially, the views or information received;</p> <p>3.3.3 is able to demonstrate to the Agency its appropriate consideration of the views or information received; and</p> <p>3.3.4 identifies opportunities for the engagement of government departments and agencies, organizations and Aboriginal groups during the implementation of the plan, as appropriate.</p>	-	Ongoing	<ul style="list-style-type: none"> <li>• BC Hydro continues to consult with Indigenous Nations on conditions and related topics since the Decision Statement was issued by CEAA (now the Impact Assessment Agency of Canada, or IAAC).</li> <li>• A letter on engagement with Indigenous Nations throughout the environmental assessment phase of the Project, in support of provincial and federal permitting processes was sent to CEAA September 8, 2015.</li> <li>• Annual reports for the Aboriginal Plant Use Mitigation Plan, Cultural Resources Mitigation Plan, Aboriginal Group Communication Plan, and Aboriginal Training and Inclusion Plan, describe consultation with Indigenous Nations. The last submission dates of these Annual Reports to regulators were: <ul style="list-style-type: none"> <li>o Aboriginal Plant Use Mitigation Plan 2021-2022 – March 31, 2022.</li> <li>o Cultural Resources Mitigation Plan 2021-2022 – March 31, 2022.</li> <li>o Aboriginal Group Communications Plan 2021-2022 – March 31, 2022.</li> <li>o Aboriginal Training and Inclusion Plan 2021-2022 – March 31, 2022.</li> </ul> </li> <li>• The next series of annual reports will be submitted to regulators by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>• BC Hydro continues to consult with Indigenous Nations as noted above, and new information received by Indigenous Nations on mitigation and monitoring plans will be considered and plans would be updated as required.</li> </ul>
3.4	The Proponent shall make all final plans and annual reports required as conditions of this Decision Statement available on its website.	June 2015	Ongoing	<ul style="list-style-type: none"> <li>• Final plans and annual reports are posted to the Site C website at the following link: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>• All plans updated will also be made available on the Site C Website.</li> </ul>

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<b>4. Water Flow</b>				
4.1	The Proponent shall maintain a minimum release of 390 cubic metres per second from the Site C dam.	-	90 days prior to Reservoir Filling and Ongoing during Operations	<ul style="list-style-type: none"> <li>BC Hydro acknowledges and understands this condition. BC Hydro has included this requirement within the design of the generating station and spillways and overall operation of the dam. BC Hydro is developing an Owner's Operation, Maintenance and Surveillance Manual that will also include this requirement during the operating period.</li> </ul>
4.2	The Proponent shall, 90 days prior to initiating reservoir filling, provide the Agency with estimates of downstream water flows and water levels to Peace Point, Alberta for scenarios at minimum, average and maximum rates of reservoir filling and a description of how these estimates have been used to undertake reservoir filling in a manner that would minimize impacts on downstream water flows and water level conditions.		90 days prior to Reservoir Filling and Ongoing during Operations	<ul style="list-style-type: none"> <li>BC Hydro provided a reservoir filling plan in Volume 1, Appendix B of the Project's Environmental Impact Statement, available at: <a href="https://iaac-aeic.gc.ca/050/evaluations/document/85328?culture=en-CA">https://iaac-aeic.gc.ca/050/evaluations/document/85328?culture=en-CA</a>.</li> <li>This plan is being updated and will be provided to the IAAC a minimum of 90 days prior to reservoir filling.</li> </ul>
<b>5. Potential Risk to Infrastructure</b>				
5.1	The Proponent shall manage potential risks to infrastructure between the Site C dam and the Town of Peace River, Alberta caused by low water flows during reservoir filling and operation.	-	30 days prior to Reservoir Filling Ongoing during Reservoir Filling and Operation to end of year five of operation	<ul style="list-style-type: none"> <li>BC Hydro is coordinating the Peace River flow change information updates with the Government of Alberta for the reservoir filling period. Pre-filling meetings are being held on a regular basis with the Alberta representatives to gather information needed for drafting the Adaptive Management Plan (AMP). This input builds on the lessons learned during commencement of river diversion. Information regarding downstream flows and infrastructure that is sensitive to low flows on the Peace River will contribute to the AMP development. BC Hydro will continue this engagement around reservoir filling plan preparations in the 2022-2023 period and are on track to have the AMP submitted to the Agency no later than 30 days prior to reservoir filling.</li> </ul>
5.2	The Proponent shall work with the Government of Alberta to jointly develop an adaptive management plan to manage potential risks to infrastructure between the Site C dam and the Town of Peace River, Alberta caused by low water flows during reservoir filling and operation. For the purposes of the plan, infrastructure shall include water intakes, ferry crossings and any other activities identified by the Proponent and the Government of Alberta.			
5.3	The plan shall include: 5.3.1. provisions for assessing potential risks to infrastructure caused by low water flows; 5.3.2. provisions for obtaining baseline and operational flow information; 5.3.3. provisions for obtaining information on any current impacts to infrastructure attributable to low water flows; 5.3.4. identification of any impacts to infrastructure attributable to low water flows; and 5.3.5. mitigation measures such as additional flow regulation, adjustment to Alberta infrastructure and notifying the Government of Alberta of prolonged low water flow conditions, necessary to avoid or minimize impacts attributable to low water flows.			
5.4	The Proponent shall submit the plan to the Agency a minimum of 30 days prior to initiating reservoir filling.			

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5.5	The Proponent shall implement the plan and report on the results to the Agency on an annual basis commencing from reservoir filling through to the end of year five of operation.			
<b>6. Downstream Monitoring and Reporting</b>				
6.1	The Proponent shall analyze the accuracy of predictions made during the environmental assessment on the effects of the Designated Project on downstream water flow, water level and ice (e.g. freeze-up levels, freeze-up and break-up dates and ice thickness).	-	Ongoing during Operations	<ul style="list-style-type: none"> <li>Predictions of the Project's effects on downstream water flow, water level and ice are described in Volume 2, Section 11 (Environmental Background) of the Project's Environmental Impact Statement, available at: <a href="https://projects.eao.gov.bc.ca/api/document/5887e1d0d876de1347b514c4/fetch">https://projects.eao.gov.bc.ca/api/document/5887e1d0d876de1347b514c4/fetch</a>.</li> <li>The draft approach for analyzing the accuracy of the Environmental Impact Statement predictions will be provided to regulators 90 days prior to initiating reservoir filling.</li> <li>The final approach to undertaking the analysis will be provided to IAAC 30 days prior to initiating reservoir filling.</li> </ul>
6.2	The approach to undertaking this analysis shall include: 6.2.1. assembly of the necessary water flow, water levels and ice monitoring data from existing monitoring stations; and 6.2.2. a comparison of the monitoring data with the predictions made during the environmental assessment, including predicted effects from climate change, to assess the accuracy of those predictions.			
6.3	The Proponent shall submit to the Agency the proposed approach to undertaking the analysis for review 90 days prior to initiating reservoir filling.	-	90 days prior to Reservoir Filling	<ul style="list-style-type: none"> <li>This condition is understood and will be met 90 days prior to reservoir filling</li> </ul>
6.4	The Proponent shall submit the final approach to undertaking the analysis to the Agency a minimum of 30 days prior to initiating reservoir filling.	-	30 days prior to Reservoir Filling	<ul style="list-style-type: none"> <li>This condition is understood and will be met 90 days prior to reservoir filling</li> </ul>
6.5	The Proponent shall implement the approach and provide to the Agency an analysis and summary of the results, as well as any amendments made to the approach in response to the results, on an annual basis from the initiation of reservoir filling and for the first 20 years of operation.	One year after reservoir filling	End of 20th year of operations	<ul style="list-style-type: none"> <li>This condition is understood and will be applied to the Project on an on- going basis</li> <li>Annual reports will be submitted to regulators commencing one year after reservoir filling until the end of the 20th year of operations.</li> </ul>
<b>7. Water Quality</b>				
7.1	The Proponent shall develop, in consultation with Environment Canada and Natural Resources Canada, a water quality management plan to address potential environmental effects to the aquatic environment from the Designated Project, including acid rock drainage and metal leaching.	-	June 2015	<ul style="list-style-type: none"> <li>The Water Quality Monitoring Program is described in Section 4.14 and Appendix E - Section 7.3 (Acid Rock Drainage and Metal Leachate Management Plan) of revision 11 of the Construction Environmental Management Plan (CEMP)</li> <li>The CEMP is, available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>

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7.2	The plan shall include: 7.2.1. the results of groundwater and surface water quality modeling supported by pertinent geochemical data; 7.2.2. identification of water quality parameters to be monitored and establishment of threshold values above which mitigation measures must be taken; 7.2.3. identification of the geographic extent, frequency and duration of water quality monitoring; 7.2.4. baseline sampling of parameters established in accordance with condition 7.2.2; 7.2.5. monitoring of parameters established in accordance with condition 7.2.2; 7.2.6. identification of potential preventative measures to limit acid generation and metal leaching; 7.2.7. identification of potential mitigation measures if water quality threshold values specified in 7.2.2. are exceeded; and 7.2.8. a process for implementing mitigation measures to address water quality impacts, if necessary.	-	Ongoing to end of construction and during operation until threshold values not exceeded for five consecutive years	<ul style="list-style-type: none"> <li>The Water Quality Monitoring Program describes four programs which were commenced in January 2016, and will continue until the end of construction, as applicable: <ul style="list-style-type: none"> <li>RSEM sediment pond water quality monitoring</li> <li>Peace River water quality monitoring</li> <li>Groundwater quality monitoring</li> <li>Surface water quality monitoring (associated with construction-related PAG exposures)</li> </ul> </li> <li>BC Hydro conducts several of these monitoring programs. For those monitoring programs conducted by contractors, BC Hydro audits compliance with Section 4.14 and Appendix E of the CEMP by reviewing contractor EPPs and conducting environmental audits during construction to verify implementation of EPPs.</li> <li>Status of implementation of the Acid Rock Drainage and Metal Leachate Management Plan – Water Quality, is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted by March 31, 2023.</li> <li>Annual reports are available at the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
7.3	The Proponent shall submit to the Agency, Environment Canada and Natural Resources Canada a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>The draft water quality monitoring program, within the CEMP, was submitted to regulators on October 10, 2014</li> </ul>
7.4	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction. When submitting the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Environment Canada and Natural Resources Canada	-	June 2015	<ul style="list-style-type: none"> <li>The final water quality monitoring program, within the CEMP, was submitted to regulators on June 5, 2015.</li> <li>The current version of the Water Quality Monitoring Program is Revision 6.0, appended as Appendix E to CEMP Revision 11.</li> </ul>
7.5	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis throughout construction and during operation until such time as the threshold values established in condition 7.2.2 have not been exceeded for five consecutive years.	January 2016	Ongoing to end of construction and during operation until threshold values not exceeded for five consecutive years	<ul style="list-style-type: none"> <li>Status of implementation of the Acid Rock Drainage and Metal Leachate Management Plan – Water Quality, is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted to regulators by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
<b>8. Fish and Fish Habitat</b>				
8.1	The Proponent shall undertake efforts to avoid or minimize adverse impacts to fish and fish habitat to ensure the continued availability of fisheries resources in the Local Assessment Area.	-	Ongoing	<ul style="list-style-type: none"> <li>Mitigation measures to avoid or minimize adverse impacts to fish and fish habitat are described in the Fisheries and Aquatic Habitat Management Plan, submitted to regulators on June 1, 2015 (see Condition 8.3 below)</li> </ul>

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8.2	The Proponent shall prepare and submit to the Agency an annual schedule identifying the location and timing of construction activities that may impact fish or fish habitat 90 days prior to such activities occurring.	-	October 2014 April 2015 January 2018 Updates as required	<ul style="list-style-type: none"> <li>An annual schedule identifying the location and timing of construction activities that may impact fish or fish habitat was submitted to regulators on October 17, 2014. A revised annual schedule was submitted to CEA Agency on April 14, 2015, and January 17, 2018.</li> </ul>
8.3 8.4	<p>The Proponent shall prepare, in consultation with Fisheries and Oceans Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups, a fish and fish habitat management plan.</p> <p>The plan shall include:</p> <p>8.4.1. identification of baseline conditions for fish and fish habitat in the Local Assessment Area;</p> <p>8.4.2. measures to mitigate potential effects on fish and fish habitat during construction and operation of the Designated Project including:</p> <p>8.4.2.1. erosion and sediment control measures, riparian zone avoidance measures, best practices for watercourse crossings, in-stream work guidelines, and in-stream work timing windows;</p> <p>8.4.2.2. measures to avoid or reduce fish stranding;</p> <p>8.4.2.3. operational practices, technologies and design features that minimize downstream fish entrainment past the dam site;</p> <p>8.4.2.4. measures to mitigate the effects of Total Dissolved Gas concentrations in tailwater on fish; and</p> <p>8.4.2.5. measures to mitigate obstructed upstream fish passage for bull trout and, as appropriate and feasible, other migrating fish species;</p> <p>8.4.3. an approach to monitor changes to fish and fish habitat baseline conditions in the Local Assessment Area;</p> <p>8.4.4. an approach to monitor and evaluate the effectiveness of mitigation or offsetting measures and to verify the accuracy of the predictions made during the environmental assessment on fish and fish habitat; and</p> <p>8.4.5. any other requirement identified by Fisheries and Oceans Canada in support of its application for an authorization under the <i>Fisheries Act</i>.</p>	-	Ongoing to end of construction and operation	<ul style="list-style-type: none"> <li>The final Fisheries and Aquatic Habitat Management Plan was prepared in accordance with this condition and submitted to regulators on June 1, 2015</li> <li>The plan is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a></li> <li>Status of implementation of the Fisheries and Aquatic Habitat Management Plan is described in the latest annual report submitted to regulators in March 31, 2022.</li> <li>The next annual report will be submitted to regulators by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a></li> </ul>
8.5	The Proponent shall submit a draft copy of the plan to the Agency, Fisheries and Oceans Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups 90 days prior to submitting its application for authorization under the <i>Fisheries Act</i> .	-	October 2014	<ul style="list-style-type: none"> <li>A draft copy of the Fisheries and Aquatic Habitat Management Plan was submitted to regulators on October 17, 2014.</li> </ul>

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8.6	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to submitting its application for authorization under the <i>Fisheries Act</i> . When submitting the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Fisheries and Oceans Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups and shall describe how it has taken the plan into consideration as part of its application for an authorization under the <i>Fisheries Act</i> .	-	June 2015	<ul style="list-style-type: none"> <li>The final copy of the Fisheries and Aquatic Habitat Management Plan was submitted to regulators on June 1, 2015.</li> </ul>
8.7	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and for the first ten years of operation and once every five years for the next 20 years.	March 2017	End of 20th year of operation	<ul style="list-style-type: none"> <li>Status of implementation of the Fisheries and Aquatic Habitat Management Plan is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted to regulators by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a></li> </ul>
8.8	The Proponent shall develop an offsetting plan, in consultation with Fisheries and Oceans Canada, to offset residual serious harm to fish and monitor the effectiveness of offsets.	-	June 2015 November 2015	<ul style="list-style-type: none"> <li>The Site Preparation: Environmental Analysis of Physical Fish Habitat Offsets report was submitted to regulators on June 11, 2015.</li> <li>The Environmental Analysis of Physical Fish Habitat Offsets for Dam Construction, Reservoir Preparation and Filling Report was submitted to regulators on November 23, 2015.</li> </ul>
8.9	The Proponent shall conduct an analysis for any physical fish habitat offsets proposed in the offsetting plan, in consultation with Transport Canada, Environment Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups, that includes:	-	November 2015	<ul style="list-style-type: none"> <li>Construction, Reservoir Preparation and Filling Report was submitted to regulators on November 23, 2015.</li> </ul>
8.10	8.9.1. the effects on migratory birds and their habitats; 8.9.2. the effects on terrestrial species and their habitats; 8.9.3. the effects on species at risk and species at risk habitat; 8.9.4. the effects on current use of lands and resources for traditional purposes by Aboriginal peoples; 8.9.5. identification of navigation impacts; and 8.9.6. identification of potential sources of contamination (e.g. mercury). The Proponent shall submit to the Agency the results of the analysis in condition 8.9, including a description of how the input, views or information received have been taken into account in finalizing its fish habitat offsetting plan.	-	November 2015	<ul style="list-style-type: none"> <li>Construction, Reservoir Preparation and Filling Report was submitted to regulators on November 23, 2015.</li> </ul>
<b>9. Disturbance and Destruction of Migratory Birds</b>				
9.1	The Proponent shall ensure that the Designated Project is carried out in a manner that avoids mortality and disturbance of migratory birds and their nests.	June 2015	Ongoing	<ul style="list-style-type: none"> <li>Measures to avoid mortality and disturbance of migratory birds and their nests are described in Section 7.1 of the Vegetation and Wildlife Mitigation and Monitoring Plan, submitted to regulators on June 5, 2015. Measures are further described in Section 4.17 and Appendix N of the CEMP.</li> </ul>



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9.2	The Proponent shall prepare and submit to the Agency an annual schedule, describing the location and timing for construction and reservoir filling activities, 90 days prior to initiating any of these activities.	-	Updated as required	<ul style="list-style-type: none"> <li>The latest construction schedule was submitted to regulators on March 31, 2021 in Section 6.1.2 and Appendix 1 of the VWMMP annual report.</li> <li>Construction schedule updates will continue to be submitted to regulators in the VWMMP annual report.</li> </ul>
9.3	The Proponent shall develop, in consultation with Environment Canada, a plan to monitor and mitigate potential disturbance of breeding migratory birds in and adjacent to the Project Activity Zone, including the area immediately downstream of the dam where risks to migratory bird nests could occur, during construction, reservoir filling and operation.	May 2016	July, 10th year of operation	<ul style="list-style-type: none"> <li>Three monitoring programs commenced in July 2016 and will continue to be implemented until the 10th year of operation, as described in Section 7.1.1.2 of the Vegetation and Wildlife Mitigation and Monitoring Plan: <ul style="list-style-type: none"> <li>Breeding Bird Follow-Up Monitoring Program,</li> <li>Bird Nesting Monitoring Program, and</li> <li>Waterfowl and Shorebird (Waterbird) Follow-up Monitoring Program.</li> </ul> </li> <li>The Vegetation and Wildlife Mitigation and Monitoring Plan is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>A Common Nighthawk monitoring program gathered supplemental baseline data in 2018 and 2019.</li> <li>A woodpecker monitoring program gathered supplemental baseline data in 2018 and 2019.</li> <li>A migratory bird nest monitoring program was implemented in 2021 to estimate potential impacts to nests, eggs and young birds due to operations, to inform mitigation, as described in Section 7.1.1.2 of the Vegetation and Wildlife Mitigation and Monitoring Plan.</li> </ul>
9.4 9.5	<p>The plan shall include measures to undertake construction, reservoir filling and operation in a manner that avoids or minimizes the risk of disturbance and mortality to migratory birds and their nests.</p> <p>The Proponent shall, in preparing the plan, consult:</p> <p>9.5.1. Environment Canada's policy on Incidental Take of Migratory Birds in Canada; and</p> <p>9.5.2. Environment Canada's avoidance guidelines on General Nesting Periods of Migratory Birds in Canada.</p>	May 2016	July, 10th year of operation	<ul style="list-style-type: none"> <li>Section 7.1.1 of the Vegetation and Wildlife Mitigation and Monitoring Plan describes how BC Hydro meets this condition through the implementation of environmental measures set out in the CEMP, the Vegetation and Clearing Debris Management Plan, and other mitigation activities.</li> <li>A migratory bird nest monitoring program was implemented in 2021 to estimate potential impacts to nests, eggs and young birds due to operations, to inform mitigation, as described in Section 7.1.1.2 of the Vegetation and Wildlife Mitigation and Monitoring Plan.</li> <li>Section 3.0 of the Vegetation and Wildlife Mitigation and Monitoring Plan describes how the plan has been developed with consultation of federal and provincial legislation.</li> </ul>
9.6	The Proponent shall submit to the Agency and Environment Canada a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>The draft Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on October 17, 2014.</li> </ul>
9.7	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction. When submitting the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Environment Canada.	-	June 2015	<ul style="list-style-type: none"> <li>The final Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on June 5, 2015.</li> </ul>

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9.8	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and for the first five years of operation.	March 2017	End of 5th year of operations	<ul style="list-style-type: none"> <li>• Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the Vegetation and Wildlife Annual Report last submitted to regulators on March 31, 2022.</li> <li>• The next Vegetation and Wildlife Annual Report will be submitted by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
9.9	<p>The Proponent shall address potential risks of bird collisions with the transmission line, in consultation with Environment Canada, by:</p> <p>9.9.1. conducting a risk assessment for bird collisions under the current transmission line design;</p> <p>9.9.2. determining if additional mitigation measures could be implemented to reduce the risk of bird collisions; and</p> <p>9.9.3. implementing any additional mitigation measures (e.g. line marking and diversions), to minimize impacts.</p>	-	Ongoing	<ul style="list-style-type: none"> <li>• The final Bird-Transmission Line Collision Risk Assessment, dated January 6, 2017, was provided in the 2016 Vegetation and Wildlife Mitigation and Monitoring Plan annual report, submitted to regulators on March 31, 2017.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
<b>10. Non-Wetland Migratory Bird Habitat</b>				
10.1 10.2 10.3	<p>The Proponent shall mitigate the potential effects of the Designated Project on non-wetland migratory bird habitat.</p> <p>The Proponent shall develop, in consultation with Environment Canada, a plan that addresses potential effects of the Designated Project on non-wetland migratory bird habitat.</p> <p>The plan shall include:</p> <p>10.3.1. non-wetland migratory bird habitat baseline conditions for habitat that would be permanently lost, habitat that would be fragmented and habitat that would remain intact;</p> <p>10.3.2. migratory bird abundance, distribution and use of non-wetland habitat;</p> <p>10.3.3. measures to mitigate the changes in aquatic and riparian-related food resources and other habitat features associated with a change from a fluvial to a reservoir system;</p> <p>10.3.4. compensation measures to address the unavoidable loss of non-wetland migratory bird habitat, including habitat associated with the Canada Warbler, the Cape May Warbler and the Bay-Breasted Warbler; 10.3.5. an analysis of the effects of any compensation measures identified in condition 10.3.4 on the current use of lands and resources for traditional purposes by Aboriginal peoples; and</p> <p>10.3.6. an approach to monitor and evaluate the effectiveness of the mitigation or compensation measures to be implemented and to verify the accuracy of the predictions made during the environmental assessment on non-wetland migratory bird habitat, including migratory bird use of that habitat.</p>		Ongoing	<ul style="list-style-type: none"> <li>Measures to mitigate the potential effects of the Project on non-wetland migratory bird habitat are described in Section 7.2 of the final Vegetation and Wildlife Mitigation and Monitoring Plan.</li> <li>The schedule for implementation of programs related to non-wetland migratory bird habitat is as follows: <ul style="list-style-type: none"> <li>Littoral zone enhancements (2019 to 2022)</li> <li>Riparian plantings (2024)</li> <li>Monitoring effectiveness of mitigation and compensation measures (2016 through the 10th year of operations).</li> </ul> </li> </ul>
10.4	<p>The Proponent shall submit to the Agency and Environment Canada a draft copy of the plan for review:</p> <p>10.4.1. for conditions 10.3.1, 10.3.2, 10.3.3 and 10.3.6, 90 days prior to initiating construction; and 10.4.2. for conditions 10.3.4 and 10.3.5, 90 days prior to implementing any component of the compensation plan.</p>	-	October 2014	<ul style="list-style-type: none"> <li>The draft Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on October 17, 2014.</li> </ul>
10.5	<p>The Proponent shall submit to the Agency the final plan:</p> <p>10.5.1. for conditions 10.3.1, 10.3.2, 10.3.3 and 10.3.6, a minimum of 30 days prior to initiating construction; and 10.5.2. for conditions 10.3.4 and 10.3.5, a minimum of 30 days prior to implementing any component of the compensation plan.</p>	-	June 2015	<ul style="list-style-type: none"> <li>The final Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on June 5, 2015.</li> </ul>
10.6	<p>When submitting each component of the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Environment Canada.</p>	-	June 2015	<ul style="list-style-type: none"> <li>The Vegetation and Wildlife Mitigation and Monitoring Plan Consideration Tracking Table was submitted to regulators with the final plan on June 5, 2015.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
10.7	The Proponent shall commence the implementation of the compensation measures specified in condition 10.3.4 no later than five years from the initiation of construction.	July 2015	Ongoing	<ul style="list-style-type: none"> <li>Three mitigation properties have been purchased and protected for compensating for the loss of non-wetland migratory bird habitat, in addition to habitat for other wildlife species. The management plans for these properties can be found in Appendix F of the 2015 Vegetation and Wildlife Mitigation and Monitoring Plan annual report.</li> <li>Additional opportunities for compensation for non-wetland migratory birds and other wildlife species are being evaluated and pursued.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
10.8	The Proponent shall implement each component of the plan and provide to the Agency an analysis and summary of the implementation of the applicable component of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and at the end of year 1, 2, 3, 5, 10, 15, 20 and 30 of operation.	March 2017	End of 5th year of operations	<ul style="list-style-type: none"> <li>Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
<b>11. Wetlands used by Migratory Birds and for Current use of Lands and Resources for Traditional Purposes</b>				
11.1	The Proponent shall mitigate the potential effects of the Designated Project on wetland habitat used by migratory birds, species at risk and for current use of lands and resources for traditional purposes by Aboriginal people.	May 2015	End of 10th year of operation	<ul style="list-style-type: none"> <li>Section 2.2 and 7.3 of the Vegetation and Wildlife Mitigation and Monitoring Plan addresses the potential effects of the Project on wetland habitat used by migratory species, species at risk and for current use of lands and resources for traditional purposes</li> <li>The Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on June 5, 2015.</li> <li>This Plan is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
11.2	The Proponent shall develop, in consultation with Environment Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups, a plan that addresses potential effects of the Designated Project on wetland habitat used by migratory birds, species at risk and for current use of lands and resources for traditional purposes.			
11.3	The Proponent shall, in developing the plan, describe how the mitigation hierarchy and the objective of no net loss of wetland functions were considered.	-	June 2015	<ul style="list-style-type: none"> <li>This condition is addressed in Sections 2.2 and 7.3 of the Vegetation and Wildlife Mitigation and Monitoring Plan</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
11.4	<p>The plan shall include:</p> <p>11.4.1. baseline data on the biogeochemical, hydrological and ecological functioning of the wetlands and associated riparian habitat in the area affected by the Designated Project, including: ground and surface water quality and quantity; vegetation cover; biotic structure and diversity; migratory bird abundance, density, diversity and use; species at risk abundance, density, diversity and use; and current use of the wetlands for traditional purposes by Aboriginal people, including the plant and wildlife species that support that use;</p> <p>11.4.2. mitigation measures to maintain baseline wetland functions for those wetlands that will not be permanently lost;</p> <p>11.4.3. an approach to monitor and evaluate any changes to baseline conditions, as defined in condition 11.4.1 and identify improvements based on monitoring data;</p> <p>11.4.4. compensation measures to address the unavoidable loss of wetland areas and functions supporting migratory birds, species at risk, and the current use of lands and resources by Aboriginal people in support of the objective of full replacement of wetlands in terms of area and function; and</p> <p>11.4.5. an analysis of the effects of any compensation measures identified in condition 11.4.4 on the current use of lands and resources for traditional purposes by Aboriginal peoples.</p>	May 2015	Ongoing	<ul style="list-style-type: none"> <li>Section 7.3 of the Vegetation and Wildlife Mitigation and Monitoring Plan addresses Condition 11.4. The collection of data to monitor changes in baseline wetland conditions commenced in 2015, is continuing annually through construction, and will continue every 2 to 5 years up to 30 years of operation.</li> <li>Opportunities for compensation for wetland habitat used by migratory birds, species at risk, and for current use of lands and resources for traditional purposes by Indigenous Nations are being evaluated and pursued.</li> </ul>
11.5	<p>The Proponent shall submit to the Agency, Environment Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups a draft copy of the plan for review:</p> <p>11.5.1. for conditions 11.4.1, 11.4.2 and 11.4.3, 90 days prior to initiating construction; and</p> <p>11.5.2. for conditions 11.4.4 and 11.4.5, 90 days prior to implementing any component of the compensation plan.</p>	-	October 2014	<ul style="list-style-type: none"> <li>The draft Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on October 17, 2014.</li> </ul>
11.6	<p>The Proponent shall submit to the Agency the final plan:</p> <p>11.6.1. for conditions 11.4.1, 11.4.2 and 11.4.3, a minimum of 30 days prior to initiating construction; and</p> <p>11.6.2. for conditions 11.4.4 and 11.4.5, a minimum of 30 days prior to implementing any component of the compensation plan.</p>	-	June 2015	<ul style="list-style-type: none"> <li>The final Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on June 5, 2015.</li> </ul>
11.7	<p>When submitting each component of the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Environment Canada, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups.</p>	-	June 2015	<ul style="list-style-type: none"> <li>The Vegetation and Wildlife Mitigation and Monitoring Plan Consideration Tracking Table was submitted to regulators with the final plan on June 5, 2015.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
11.8	The Proponent shall commence the implementation of the compensation measures specified in condition 11.4.4 no later than five years from the initiation of construction.	July 2015	Ongoing	<ul style="list-style-type: none"> <li>One mitigation property (Marl Fen) has been purchased and protected for compensating for the loss of wetland habitat used by migratory birds, species at risk, in addition to other wildlife species. The management plan for this property can be found in Appendix F of the 2015 Vegetation and Wildlife Mitigation and Monitoring Plan Annual Report.</li> </ul> <p>In 2017, BC Hydro and Ducks Unlimited Canada identified a candidate wetland for restoration on private land at Golata Canyon Ranch. In 2019, a conservation covenant was approved by the Agricultural Land Commission (ALC) and secured to the land title. Also in 2019, Ducks Unlimited Canada conducted the physical works necessary at Golata Canyon Ranch to create approximately 50 ha of sedge wetland. The development of this wetland area, as vegetation establishes and wetland functions increase, will be monitored over time.</p> <p>In 2022, BC Hydro provided funding to DUC to rebuild the water control infrastructure at three wetlands. If DUC had not received the funds, they had a regulatory requirement to decommission the infrastructure and return the hydrology to baseline conditions. BC Hydro estimates that this action saved 175 ha of wetland from being lost.</p> <p>Additional opportunities for compensation for wetland habitat used by migratory birds, species at risk, and for current use of lands and resources for traditional purposes by Indigenous Nations are continually being evaluated and pursued.</p>
11.9	The Proponent shall implement each component of the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and at the end of year 1, 2, 3, 5, 10, 15, 20 and 30 of operation.	March 2017	End of 5 <sup>th</sup> year of operations	<ul style="list-style-type: none"> <li>Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the annual reports, last submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted by March 31, 2023.</li> </ul> <p>Annual reports are available on the Site C website at:  <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</p>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
<b>12. Health of Aboriginal Peoples - Air Quality</b>				
12.1	The Proponent shall ensure that Designated Project construction is undertaken in a manner that protects the health of Aboriginal peoples, by ensuring that exceedances of federal and provincial ambient air quality objectives are avoided or minimized and by managing the potential effects of smoke and dustfall.	Ongoing	End of 2nd year of operations	<ul style="list-style-type: none"> <li>The Smoke Management Plan and Air Quality Monitoring Program are described in Section 4.1 and Appendix A and B respectively, of the Construction Environmental Management Plan.</li> <li>Section 4.1 of the CEMP requires contractors to prepare EPPs that include measures to manage emissions and dust, air quality effects associated with concrete batch plant operations, and control project related smoke. BC Hydro audits compliance with these requirements by reviewing contractor EPPs and conducting environmental audits during construction to verify implementation of EPPs.</li> <li>The CEMP and these attached plans are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>Status of implementation of the air quality management plan is described in the Climate and Air Quality Monitoring annual report last submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted to regulators by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
12.2	The Proponent shall develop, in consultation with Reservoir Area Aboriginal groups, an air quality management plan to ensure exceedances of those ambient air quality objectives due to Designated Project construction are avoided or minimized at human receptor sites located outside the Project Activity Zone.			
12.3	The plan shall include: 12.3.1. measures to avoid or minimize exceedances of federal and provincial ambient air quality objectives for Total Suspended Particulates (TSP), Particulate Matter (PM2.5, PM10), Carbon Monoxide (CO), Nitrogen Dioxide (NO2) and Sulphur Dioxide (SO2); 12.3.2. measures to minimize or manage the potential effects of smoke and dustfall; 12.3.3. procedures to enable the appropriate authorities to alert sensitive receptor groups and Reservoir Area Aboriginal groups in cases of exceedance of air quality standards and to address those exceedances; and 12.3.4. procedures to monitor air quality effects at locations used by Aboriginal groups and to develop mitigation measures if adverse effects are predicted at those locations.			
12.4	The Proponent shall submit to the Agency and Reservoir Area Aboriginal groups a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>The draft CEMP, including the Air Quality Management Plan (Section 4), Smoke Management Plan (Appendix A) and Air Quality Monitoring Program (Appendix B) was submitted to regulators on October 17, 2014.</li> </ul>
12.5	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction. When submitting the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from Reservoir Area Aboriginal groups.	-	June 2015	<ul style="list-style-type: none"> <li>The final CEMP, including the Air Quality Management Plan (Section 4), Smoke Management Plan (Appendix A) and Air Quality Monitoring Program (Appendix B), was submitted to regulators on June 5, 2015.</li> <li>Revision 5 of the Smoke Management Plan was issued on September 14, 2021. Revision 2 of the Air Quality Management Plan were issued in September 2020.</li> </ul>
12.6	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and the first year of operation.	June 2015	End of 1st year of operation	<ul style="list-style-type: none"> <li>Status of implementation of the air quality management plan is described in the Climate and Air Quality Monitoring annual report last submitted to regulators on March 31, 2022.</li> <li>The next annual report will be submitted to regulators by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
12.7	The Proponent shall provide a copy of the same version of its annual reporting on ambient air quality as provided to the Agency and in the same timeframe to Reservoir Area Aboriginal groups and the Métis Nation British Columbia.	June 2015	End of 1st year of operation	<ul style="list-style-type: none"> <li>The latest Climate and Air Quality Monitoring annual report was submitted to Reservoir Area Indigenous groups and the Métis Nation British Columbia on May 1, 2022.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
<b>13. Health of Aboriginal Peoples - Methylmercury</b>				
13.1	The Proponent shall monitor and make available information on potential increased exposure to methylmercury from the consumption of fish relative to Health Canada's Provisional Tolerable Daily Intake (pTDI) guidelines.	-	Operation	<ul style="list-style-type: none"> <li>BC Hydro acknowledges and understands this condition. This condition will continue to be applied to the Project on an on-going basis through construction/operations</li> </ul>
13.2 13.3	<p>The Proponent shall develop, in consultation with First Nations Health Authority, Northern Health, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups, a methylmercury monitoring plan.</p> <p>The methylmercury monitoring plan shall include:</p> <p>13.3.1. information and analysis regarding consumption of fish by Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups, including:</p> <p>13.3.1.1. species and size of fish caught for consumption;</p> <p>13.3.1.2. locations where fish are caught for consumption;</p> <p>13.3.1.3. consumption of fish by age group and gender;</p> <p>13.3.1.4. fish meal sizes by age group and gender;</p> <p>13.3.1.5. fish meal frequency;</p> <p>13.3.1.6. parts of fish consumed;</p> <p>13.3.1.7. fish preparation methods; and</p> <p>13.3.1.8. other relevant consumption information (e.g. events where consumption is higher over a short period of time such as a camping event);</p> <p>13.3.2. methylmercury levels in representative fish species consumed by Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups measured in the year prior to reservoir filling, informed by data gathered in accordance with condition 13.3.1;</p> <p>13.3.3. requirements for monitoring the trend and evolution of methylmercury concentrations in fish, informed by data gathered in accordance with conditions 13.3.1 and 13.3.2.</p> <p>Monitoring requirements shall include the following:</p>	-	Prior to reservoir filling	<ul style="list-style-type: none"> <li>BC Hydro acknowledges and understands this condition.</li> <li>In response to requests from Indigenous Nations, BC Hydro committed to developing the Methylmercury Monitoring Plan in collaboration with Indigenous groups in advance of the timeline required by DS condition 13. BC Hydro sought input from Indigenous Nations and Health Agencies on a draft Methylmercury Monitoring Plan. BC Hydro completed the draft Methylmercury Monitoring Plan on May 26, 2021 and the final Methylmercury Monitoring Plan February 23, 2022.</li> </ul>



DS Condition #	DS Condition	Commencement Date	Completion Date	2022
	<p>13.3.3.1. geographic extent;  13.3.3.2. monitoring parameters;  13.3.3.3. monitoring locations; and  13.3.3.4. monitoring timelines and frequency;  13.3.4. provisions for the continued collection of consumption information and methylmercury levels in fish, and monitoring of the methylmercury trend and evolution in fish in accordance with conditions 13.3.1, 13.3.2 and 13.3.3, as the composition of fish communities and consumption patterns evolve following the creation of the Site C reservoir; 13.3.5. measures to enable people to limit exposure to methylmercury to avoid risk to human health such as:  13.3.5.1. a detailed communications strategy developed in consultation with Reservoir Area Aboriginal groups, Immediate Downstream Aboriginal groups and government departments and agencies including consumption advisories or other health related bulletin or information, as may be necessary; and  13.3.5.2. a regular update on the status, results, and trends of methylmercury concentrations in fish and the presence of human health risks associated with the consumption of fish from the affected waterbodies;  13.3.6. a description of how Reservoir Area Aboriginal groups, Immediate Downstream Aboriginal groups and the First Nations Health Authority will be involved in the design, implementation and management of the plan as well as the interpretation and communication of results.</p>			
13.4	<p>The Proponent shall submit to the Agency, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups a draft copy of the plan for review 90 days prior to reservoir filling.</p>		90 days prior to reservoir filling	<ul style="list-style-type: none"> <li>The draft copy of the Methylmercury monitoring Plan was submitted to regulators on May 26, 2021.</li> </ul>
13.5	<p>The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to reservoir filling. When submitting the final plan, the Proponent shall provide to the Agency an analysis that demonstrates how it has appropriately considered the input, views or information received from the First Nations Health Authority, Northern Health, Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups.</p>		30 days prior to reservoir filling	<ul style="list-style-type: none"> <li>The final copy of the Methylmercury Monitoring Plan was submitted to regulators on February 23, 2022.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
13.6	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during the first ten years of operation and once every five years after until such time as methylmercury levels in fish populations have stabilized.		Operation	<ul style="list-style-type: none"> <li>An Annual report will be submitted during the first ten years of operation and once every five years after until such time as methylmercury levels in fish populations have stabilized.</li> </ul>
13.7	The Proponent shall provide a copy of the same version of its annual reporting on methylmercury levels as provided to the Agency and in the same timeframe to Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups.		Operation	<ul style="list-style-type: none"> <li>This condition is understood and will be applied during operation</li> </ul>
<b>14. Current use of Lands and Resources for Traditional Purposes</b>				
14.1	The Proponent shall engage Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups to identify and develop mitigation measures that could address impacts to current use of lands and resources for traditional purposes.	-	On-going	<ul style="list-style-type: none"> <li>Reservoir Area Indigenous Nations and Immediate Downstream Indigenous Nations are being actively engaged in the archeological undertakings as well as engaged in the archaeological investigations and mitigation, and ground truthing activities per the Aboriginal Plant Use Mitigation Plan and Cultural Resources Mitigation Plan. Additional consultation with Indigenous Nations is occurring through regularly scheduled Culture and Heritage Resources Committee meetings, Environmental Forums, and Permitting Forums. BC Hydro also holds regular monthly meetings with Reservoir Area Indigenous Nations on BC Hydro's northeast projects, including Site C.</li> </ul>
14.2	The Proponent shall inform Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups about Designated Project activities that may affect the current use of lands and resources for traditional purposes including harvesting of plants, fish and wildlife and access to land for the purposes of those uses.	-	Ongoing to End of 5th year of operation	<ul style="list-style-type: none"> <li>The status of the implementation of this condition is described in Annual Reports for the Aboriginal Plant Use Mitigation Plan, Vegetation and Wildlife Mitigation Plan, and Fisheries and Aquatic Habitat Management Plan.</li> <li>Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the latest annual reports submitted to regulators on March 31, 2022.</li> <li>Status of implementation of the Fisheries and Aquatic Habitat Management Plan is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>Status of implementation of the Aboriginal Plant Use Mitigation Plan is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>The next annual reports will be submitted by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
14.3	The Proponent shall seek the views of Reservoir Area Aboriginal groups and Immediate Downstream Aboriginal groups on methods to avoid or minimize the use of herbicides and pesticides near locations of plants of importance to those groups.			
14.4	The Proponent shall report to the Agency on any actions implemented as a result of the activities outlined in conditions 14.1, 14.2 and 14.3 on an annual basis starting immediately prior to construction and for the first five years of operation.			

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
<b>15. Archaeological and Heritage Resources</b>				
15.1 15.2 15.3	<p>The Proponent shall ensure that the Designated Project is constructed and operated in a manner that avoids, minimizes or manages impacts to local archaeological and heritage resources.</p> <p>The Proponent shall develop, in consultation with Reservoir Area Aboriginal groups and the Métis Nation British Columbia, a plan to avoid, minimize or manage impacts to local archaeological and heritage resources.</p> <p>The plan shall include:</p> <p>15.3.1. procedures to continue inventories and ground truthing of potential physical and cultural heritage resources to determine the need and applicability of mitigation measures;</p> <p>15.3.2. measures to address the effects of the Designated Project on the physical and cultural heritage and to structures, sites or things that that have been identified as being of historical, archaeological, paleontological or architectural significance by local stakeholders, relevant organizations, Reservoir Area Aboriginal groups and the Métis Nation British Columbia;</p> <p>15.3.3. procedures to monitor reservoir erosion during occurrences of low reservoir levels, to investigate any potentially new-found sites and to carry out emergency salvage procedures during construction and operation; and</p> <p>15.3.4. procedures to monitor shoreline erosion downstream of the Site C dam for up to 2.5 kilometres during the first two years of operation to determine if physical heritage resources are affected.</p>	-	Ongoing	<ul style="list-style-type: none"> <li>The Heritage Resources Management Plan (HRMP) is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>Section 4 of the HRMP details BC Hydro's engagement with Indigenous Nations and the management of impacts to local archaeological and heritage resources.</li> <li>Section 5.2 of the HRMP describes how BC Hydro is working with Indigenous Nations to complete ground-truthing exercises to identify culturally important areas in the project activity zone.</li> <li>Section 6 of the HRMP describes BC Hydro's Heritage Resource Impact Management through Work Planning, Heritage Conservation Act Permits, and Mitigation Measures.</li> <li>BC Hydro continues to implement the heritage program to ensure all project related activities, including construction, remain in compliance with the Heritage Conservation Act (HCA) and meet the FDS Condition Statement 15. This includes ongoing impact assessment and mitigation of heritage resources and working with reservoir area Indigenous Nations to facilitate opportunities for ground truthing of potential physical and cultural heritage resources.</li> <li>The following procedures will commence at start of operations: <ul style="list-style-type: none"> <li>Monitoring of reservoir erosion</li> <li>Monitoring downstream shoreline erosion</li> </ul> </li> </ul>
15.4	The Proponent shall submit to the Agency, Reservoir Area Aboriginal groups and the Métis Nation British Columbia a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>The draft Heritage Resources Management Plan was submitted to regulators, Reservoir Area Indigenous Nations and Métis Nation British Columbia on October 7, 2014</li> </ul>
15.5	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction. When submitting the final plan, the Proponent shall provide to the Agency, an analysis that demonstrates how it has appropriately considered the input, views or information received from Reservoir Area Aboriginal groups and the Métis Nation British Columbia.	-	June 2015	<ul style="list-style-type: none"> <li>The final (Revision 1) Heritage Resources Management Plan was submitted to regulators, Reservoir Area Indigenous Nations and Métis Nation British Columbia on June 5, 2015. Revision 3 was submitted to regulators, Reservoir Area Indigenous Nations and Métis Nation British Columbia on November 19, 2018.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
15.6	The Proponent shall implement the plan and provide to the Agency an analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and for the first five years of operation, unless otherwise indicated.	March 2017	End of 5th year of operation	<ul style="list-style-type: none"> <li>• Status of implementation of the Heritage Resources Management Plan is described in the latest annual report submitted to regulators on March 31, 2022.</li> <li>• The next annual report will be submitted by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
<b>16. Species at Risk, At-Risk and Sensitive Ecological Communities, and Rare Plants</b>				
16.1 16.2 16.3	<p>The Proponent shall ensure that potential effects of the Designated Project on species at risk, at-risk and sensitive ecological communities and rare plants are addressed and monitored.</p> <p>The Proponent shall develop, in consultation with Environment Canada, a plan setting out measures to address potential effects of the Designated Project on species at risk, at-risk and sensitive ecological communities and rare plants.</p> <p>The plan shall include:</p> <p>16.3.1. field work to verify the modeled results for surveyed species at risk and determine the habitat that would be permanently lost, habitat that would be fragmented and habitat that would remain intact for those species, including the Short-eared Owl, the Western Toad and the Myotis Bat species;</p> <p>16.3.2. surveys to determine whether the rare plant species potentially facing extirpation in the Project Activity Zone are found elsewhere in the region;</p> <p>16.3.3. measures to mitigate environmental effects on species at risk and at-risk and sensitive ecological communities and rare plants;</p> <p>16.3.4. conservation measures to ensure the viability of rare plants, such as seed recovery and plant relocation;</p> <p>16.3.5. an approach to avoiding or minimizing the use of herbicides and pesticides in areas that could impact species at risk, at-risk and sensitive ecological communities and rare plants;</p> <p>16.3.6. an approach to monitor and evaluate the effectiveness</p>		Ongoing	<ul style="list-style-type: none"> <li>• Section 7.4 on the Vegetation and Wildlife Mitigation and Monitoring Plan has been developed in accordance with this condition.</li> <li>• The section describes the measures implemented to address and monitor potential effects of the Project on species at risk, at-risk and sensitive ecological communities and rare plants.</li> <li>• The Vegetation and Wildlife Mitigation and Monitoring Plan is available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> <li>• Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the latest annual reports submitted to regulators March 31, 2022.</li> <li>• The next annual report will be submitted by March 31, 2023.</li> <li>• Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
	of mitigation measures and to verify the accuracy of the predictions made during the environmental assessment on species at risk, at-risk and sensitive ecological communities and rare plants; and 16.3.7. an approach for tracking updates to the status of listed species identified by the Government of British Columbia, Committee on the Status of Endangered Wildlife in Canada, and the Species at Risk Act, and implementation of additional measures, in accordance with species recovery plans, to mitigate effects of the Designated Project on the affected species should the status of a listed species change during the life of the Designated Project.			
16.4	The Proponent shall submit to the Agency and Environment Canada a draft copy of the plan for review 90 days prior to initiating construction.	-	October 2014	<ul style="list-style-type: none"> <li>The draft Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on October 17, 2014.</li> </ul>
16.5	The Proponent shall submit to the Agency the final plan a minimum of 30 days prior to initiating construction. When submitting the final plan, the Proponent shall provide to the Agency, an analysis that demonstrates how it has appropriately considered the input, views or information received from Environment Canada.	-	June 2015	<ul style="list-style-type: none"> <li>The final Vegetation and Wildlife Mitigation and Monitoring Plan was submitted to regulators on June 5, 2015.</li> <li>The Vegetation and Wildlife Mitigation and Monitoring Plan Consideration Tracking Table was submitted to regulators with the final plan on June 5, 2015.</li> </ul>
16.6	The Proponent shall implement the plan and provide to the Agency analysis and summary of the implementation of the plan, as well as any amendments made to the plan in response to the results, on an annual basis during construction and for the first 10 years of operation, with the exception of condition 16.3.7 for which reporting will continue for the life of the Designated Project, as appropriate.	March 2017	End of 10th year of operations	<ul style="list-style-type: none"> <li>Status of implementation of the Vegetation and Wildlife Mitigation and Monitoring Plan is described in the latest annual report submitted to regulators March 31, 2022.</li> <li>The next annual report will be submitted by March 31, 2023.</li> <li>Annual reports are available on the Site C website at: <a href="https://www.sitecproject.com/document-library/environmental-management">https://www.sitecproject.com/document-library/environmental-management</a>.</li> </ul>
<b>17. Implementation Schedule</b>				
17.1	The Proponent shall submit to the Agency an implementation schedule for the conditions within this Decision Statement 90 days prior to initiating construction.	-	Ongoing	<ul style="list-style-type: none"> <li>An annual implementation schedule was submitted to CEAA on October 17, 2014, May 11, 2015, and annually on October 17 from 2016 to 2022.</li> <li>Future implementation schedules will be submitted annually on October 17.</li> </ul>
17.2	The Proponent shall submit on an annual basis an update to the schedule in writing from the date of the initial submission of the schedule until the commencement of operation of the Designated Project.			
17.3	The Proponent shall provide the Agency with notice of any implementation schedule changes from the initial schedule or any subsequent updates 90 days prior to the implementation of the change.			

DS Condition #	DS Condition	Commencement Date	Completion Date	2022
<b>18. Record Keeping</b>				
18.1	<p>The Proponent shall record the following information in respect of any monitoring data collected, sampling conducted, or analyses performed in accordance with this Decision Statement:</p> <p>18.1.1. the place, date and time of sampling;</p> <p>18.1.2. the analyses that were performed and the dates they were performed;</p> <p>18.1.3. the analytical techniques, methods, or procedures used in the analyses;</p> <p>18.1.4. the names of the persons who collected and analyzed each sample; and</p> <p>18.1.5. the results of the analyses.</p>	-	Ongoing	<ul style="list-style-type: none"> <li>Records are maintained and available.</li> </ul>
18.2	<p>The Proponent shall retain any monitoring data collected, sampling conducted, or analyses performed in accordance with this Decision Statement for a minimum of twenty-five years and will make any such records available to the Agency on request.</p>	-	Ongoing	<ul style="list-style-type: none"> <li>Records are maintained and available.</li> </ul>