

**IN THE MATTER OF THE *ENVIRONMENTAL ASSESSMENT ACT*
S.B.C. 2018, c. 51 [the Act (2018)]**

AND

**IN THE MATTER OF ENVIRONMENTAL ASSESSMENT CERTIFICATE # E14-02
HELD BY BRITISH COLUMBIA HYDRO AND POWER AUTHORITY**

**FOR THE
SITE C CLEAN ENERGY PROJECT**

**AMENDMENT # 10 (AMENDMENT)
TO CERTIFICATE # E14-02**

WHEREAS:

- A. On October 14, 2014, the Minister of Environment and Climate Change Strategy, and the Minister of Forests, Lands and Natural Resource Operations issued Environmental Assessment Certificate # E14-02 (Certificate) to British Columbia Hydro and Power Authority.
- B. The Certificate authorized British Columbia Hydro and Power Authority to construct and operate the Site C Clean Energy Project (Project) approximately seven kilometres south-west of Fort St. John, British Columbia.
- C. Six amendments have been issued under Section 19(1) of the *Environmental Assessment Act*, S.B.C. 2002, c.43:
 - i. On June 22, 2018, the Certificate was amended to modify the design of the generating station and spillway (Amendment # 1).
 - ii. On October 26, 2018, the Certificate was amended to modify the design of the Halfway River bridge (Amendment # 2).
 - iii. On November 14, 2018, the Certificate was amended to allow expanded use of material from the West Pine Quarry for construction (Amendment # 3).
 - iv. On February 12, 2019, the Certificate was amended to allow the use of machines near watercourses in clearing the reservoir area (Amendment # 4).
 - v. On December 13, 2019, the Certificate was amended to change a portion of the realignment of the Cache Creek segment of Highway 29 and the design of the Cache Creek bridge (Amendment # 5).
 - vi. On December 13, 2019, the Certificate was amended to make changes to the worker accommodation camps (Amendment # 6).
- D. Three amendments have been issued under Section 32(1) of the Act:
 - vii. On May 27, 2020, the Certificate was amended to modify the design of the Highway 29 realignment crossings of Farrell Creek, Dry Creek, and Lynx Creek (Amendment # 7).

- viii. On November 24, 2020, the Certificate was amended to develop and use the Halfway River East Borrow Source (Amendment # 8).
- ix. On May 6, 2022, Condition #40 of the Certificate was amended to relocate the Cache Creek boat launch and day use area to a location east of the Halfway River (Amendment # 9).
- E. On March 16, 2021, British Columbia Hydro and Power Authority requested an amendment under Section 32(1) of the Act to allow for the implementation of a contingency truck hauling plan.
- F. Pursuant to Section 4 of the Act, the Chief Executive Assessment Officer has delegated to the undersigned, powers and duties under the Act, including the power to consider requests for certificate amendments.

NOW THEREFORE,

I amend the Certificate as follows:

1. Add the following paragraph to Section 4.3.5.2.1 of Schedule A (Project Description):
 - The Project includes a temporary haul route, the 85th Avenue Contingency Haul Route (Figure 1), to allow for the use haul trucks on a contingency basis should the conveyor experience downtime for more than three consecutive days due to circumstances beyond BC Hydro’s control.
2. Add the following definitions to Schedule B of the Certificate:

85 th Avenue Contingency Haul Route	The contingency truck hauling route along Shaman Industrial Way and Old Fort Road to Gate B of the dam site area, as shown in Figure 1 of this Amendment.
Contingency Truck Hauling	The use of haul trucks on a contingency basis, as described in this Amendment, to transport till material along the 85 th Avenue Contingency Haul Route to Gate B of the dam site area.
Indigenous nations	This term has the same definition as ‘Aboriginal Groups’ in Schedule B of the Certificate
3. Add Conditions #81 through #86 to Schedule B of the Certificate as follows:

81. 85th Avenue Contingency Truck Hauling and Management Plan

81.1 The Holder must retain a Qualified Professional to develop the 85th Avenue Contingency Truck Hauling Management Plan (the Plan). The Plan must be developed in consultation with Northern Health, the Peace River Regional District, the Ministry of Transportation (MOTI), the Ministry of Environment and Climate Change Strategy (ENV), and Indigenous nations. The Holder must provide the Plan to the EAO prior to commencing Contingency Truck Hauling, unless otherwise authorized by the EAO.

81.2 The Plan must include, at a minimum, the means by which the following will be addressed:

- a) Road maintenance and repair for the 85th Avenue Contingency Haul Route for effects caused by Contingency Truck Hauling;
- b) Emissions management, including:
 - i. Limiting truck idling times to a maximum of five minutes; and
 - ii. Selecting machines with low emissions that meet the latest applicable standards;
- c) Traffic management, including:
 - i. The requirement of an expedited truck check-in process at Gate B;
 - ii. Traffic safety, emergency vehicle access, and prevention of wildlife-vehicle collisions;
 - iii. Identification of locations to monitor truck haul traffic counts; and
 - iv. Monitoring for haul traffic counts;
- d) Noise management;
- e) Emergency response and spill prevention including the emergency response and spill prevention mitigation measures that will be implemented if a spill, as defined by this plan, occurs;
- f) Environmental monitoring, including:
 - i. Air quality monitoring, including at 85th Avenue Industrial Lands and at Old Fort;
 - ii. Air quality monitoring via a mobile station if complaints are received regarding air quality in a specific location; and
 - iii. Species at risk, including Western Toad, along the 85th Avenue Contingency Haul Route.
- g) Fugitive dust management, developed by a Qualified Professional, that includes:
 - i. Covering haul truck loads;
 - ii. A description of where, when, and how haul truck washing stations will be used at 85th Avenue Industrial Lands and Gate B, and how the wash water is managed; and
 - iii. A description of when and where street-sweeping and water flushing will be implemented along the 85th Avenue Contingency Haul Route;
- h) The mitigation measures in Table 3 of the 85th Avenue Contingency Hauling Plan Amendment Application and how the mitigation measures will be implemented;
- i) The process for communication and data sharing that must occur when Contingency Truck Hauling is in effect;

- i. Data at a minimum, must include a summary of all air quality exceedances and associated meteorological conditions, records of the location of any traffic accidents, any complaints received from the public, and any wildlife mortality attributable to the Holder's use of the 85th Avenue Contingency Hauling Route; and
- ii. Identify contacts who will receive the data.

81.3 The Holder may implement Contingency Truck Hauling in the circumstances described in Table 1 of the Amendment Application.

81.4 Contingency Truck Hauling includes the allowance of up to a total of 48 truck trips per hour per direction (96 truck trips per hour) using highway-legal, truck/trailer, truck and pup, or truck trains.

81.5 Contingency Truck Hauling may only be implemented from 7 am to 7 pm daily, except when school buses are in operation, as described in the plan, on the 85th Avenue Contingency Haul Route.

81.6 Contingency Truck Hauling may only occur from April 1 – October 31 each year, until construction of the Project is complete.

81.7 The Holder must provide notice to the EAO:

- a) 72 hours prior to the implementation of Contingency Truck Hauling, including a rationale, and an estimate of the start and end dates of Contingency Truck Hauling;
- b) If the Holder requires an extension to the original estimated duration of Contingency Truck Hauling provided in 81.7(a), including a rationale for the extension; and
- c) Within 72 hours of cessation of Contingency Truck Hauling.

81.8 The Holder must notify the Regional Community Liaison Committee, the public, local businesses, local residences, MOTI, the Bussing Coordinator for School District #60, and the EAO, 72 hours prior to Contingency Truck Hauling. The notification must include:

- a) The rationale for Contingency Truck Hauling;
- b) The estimated duration of Contingency Truck Hauling; and
- c) The details of a public complaints process.

81.9 The Holder must notify the Regional Community Liaison Committee, the public, local businesses, local residences, MOTI, the Bussing Coordinator for School District #60, and the EAO:

- a) If an extension of Contingency Truck Hauling is required; and
- b) When Contingency Truck Hauling has ceased.

81.10 The Plan and any updates must be implemented throughout Contingency Truck Hauling, under the direction of a Qualified Professional retained by the Holder and to the satisfaction of the EAO.

82. Compliance Notification

82.1 The Holder must notify the EAO as soon as practicable, and in any event no more than 72 hours, after the Holder determines that the Holder has not, or may not have, fully complied with this Amendment.

83. Document Review

83.1 The requirements within this condition apply to all plans, programs, or other documents required under this Amendment.

83.2 The EAO may, within 60 days, or another period if a condition in this Table of Conditions provides otherwise, of receiving a document required by a condition notify the Holder that:

- a) The Holder may implement the actions in the document with or without revisions; or
- b) A revised document must be provided for approval of the EAO.

83.3 If a notification provided by the EAO to the Holder sets out revisions that are required to the document, the Holder must change the document in accordance with the notification.

83.4 If the EAO does not provide a notification to the Holder within the period referred to in subsection 83.2, the Holder may implement the document, unless a condition in this Table provides otherwise.

84. Document Updates

84.1 The requirements within this condition apply to all plans, programs, or other documents required under this Amendment.

84.2 The Holder may, or the EAO may require the Holder to, make changes to any document if the EAO determines that the implementation of the document is not:

- a) Meeting one or more objectives set out in the relevant condition of this Amendment or in the purpose and objectives set out in the document as required by paragraph 85.2(a);
- b) Having the effects, set out in the document, that are contemplated or intended; or
- c) Consistent with changes in industry best practices or technology.

85. Plan Development

85.1 The requirements within this condition apply to all plans, programs, or other documents required under this Amendment.

85.2 At a minimum, documents must include the following information:

- a) Purpose and objectives of the document;
- b) Roles and responsibilities of the Holder, project personnel and any contractors employed for the purposes of implementing the plan;

- c) Names and, if applicable, professional certifications and professional stamps, of those responsible for the preparation of the document;
- d) Schedule for implementing the actions in the document throughout the relevant project phases;
- e) How the effectiveness of any mitigation measures will be evaluated including the schedule for evaluating effectiveness;
- f) How the holder will implement adaptive management to address effects of the Project if the monitoring conducted under subsection 85.3 shows that those effects:
 - i. Are not being mitigated to the extent contemplated in the Amendment Application; or
 - ii. Are different than those predicted in the Amendment Application;
- g) Schedules and methods for the submission of reporting to specific agencies and Indigenous nations, and notification to the public, and the form and content of those reports; and
- h) Process and timing for updating the document, including any consultation with agencies and Indigenous nations that would occur in connection with such updates.

85.3 Where a document includes monitoring requirements, the document must include:

- a) Description of baseline information that will be used to support monitoring of the effectiveness of mitigation;
- b) Methods, location, frequency, timing, and duration of monitoring; and
- c) Scope, content, and frequency of reporting of the monitoring results.

86. Consultation

86.1 Where a condition of this Amendment requires the Holder to consult a party or parties regarding the content of a document, the Holder must, to the satisfaction of the EAO:

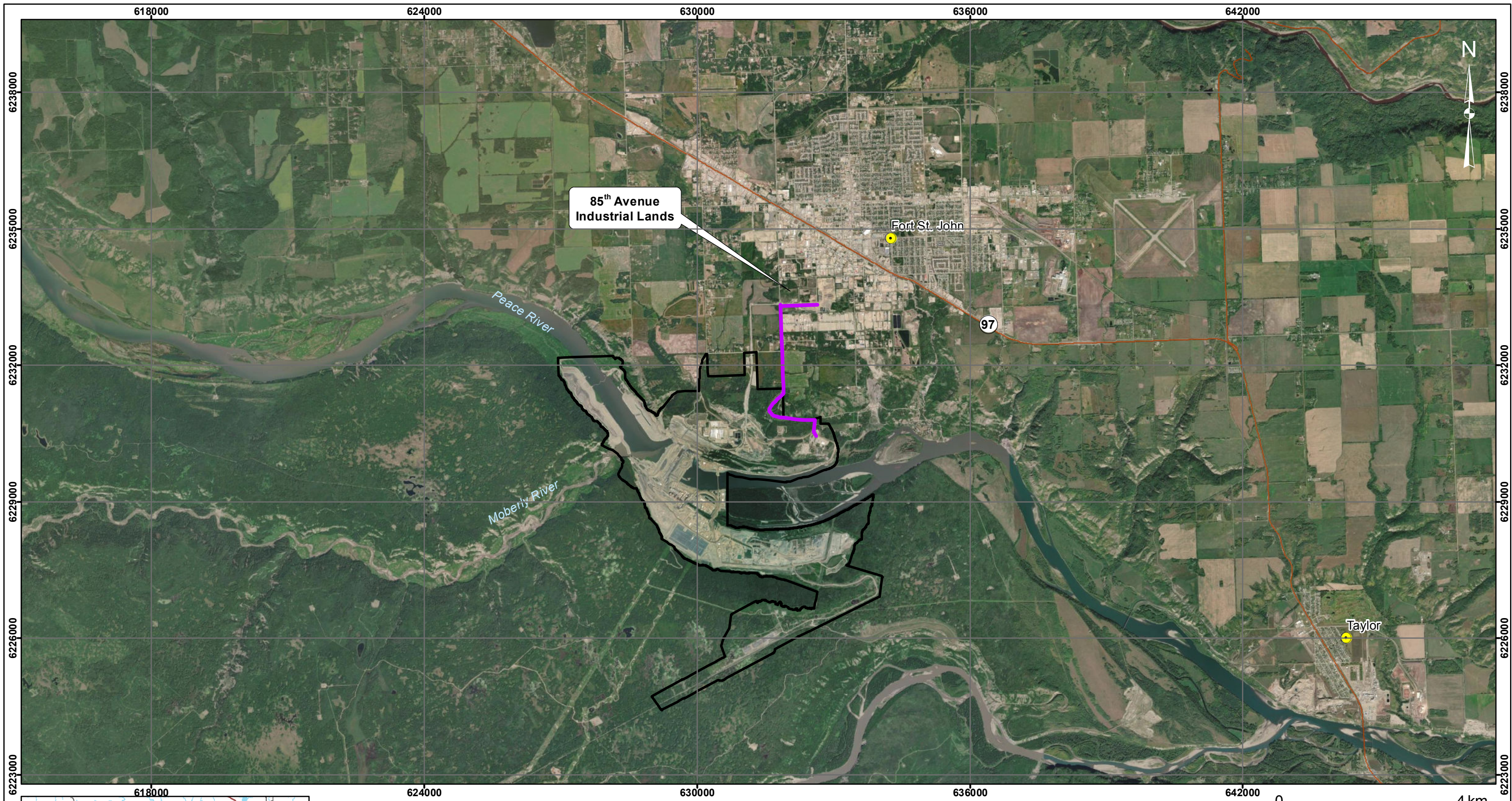
- a) Provide written notice to each such party that:
 - i. Includes a draft of the document;
 - ii. Invites the party to provide its views on the content of the document; and
 - iii. Indicates:
 - A) If a timeframe for providing views to the Holder is specified in the relevant condition of this Amendment, that timeframe; or
 - B) If a timeframe for providing views to the Holder is not specified in the relevant condition of this Amendment, a reasonable period during which the party may submit views to the Holder;
- b) Undertake a full and impartial consideration of the views and other information provided by a party;
- c) Provide a written explanation to each such party that provided views as to:
 - i. How the views and information provided by the party have been considered and addressed in a revised version of the document; or

- ii. Why the views and information have not been addressed in a revised version of the document;
- d) Maintain a record of consultation with each party regarding the document; and
- e) Provide a copy of the consultation record to the EAO, the relevant party, or both, upon the written request of the EAO or the party no later than 15 days after the Holder receives the request, unless otherwise authorized by the EAO.



Michael Shepard
Acting Deputy Chief Environmental Assessment Officer
Environmental Assessment Office

Issued this 30th day of June, 2022



85th Avenue Industrial Lands

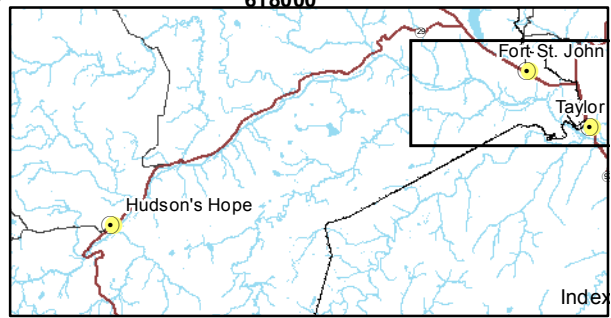
Fort St. John

97

Peace River

Moberly River

Taylor



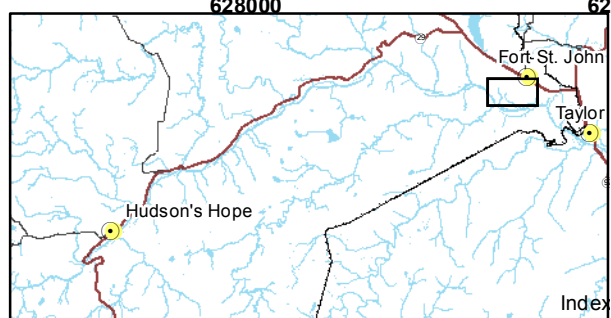
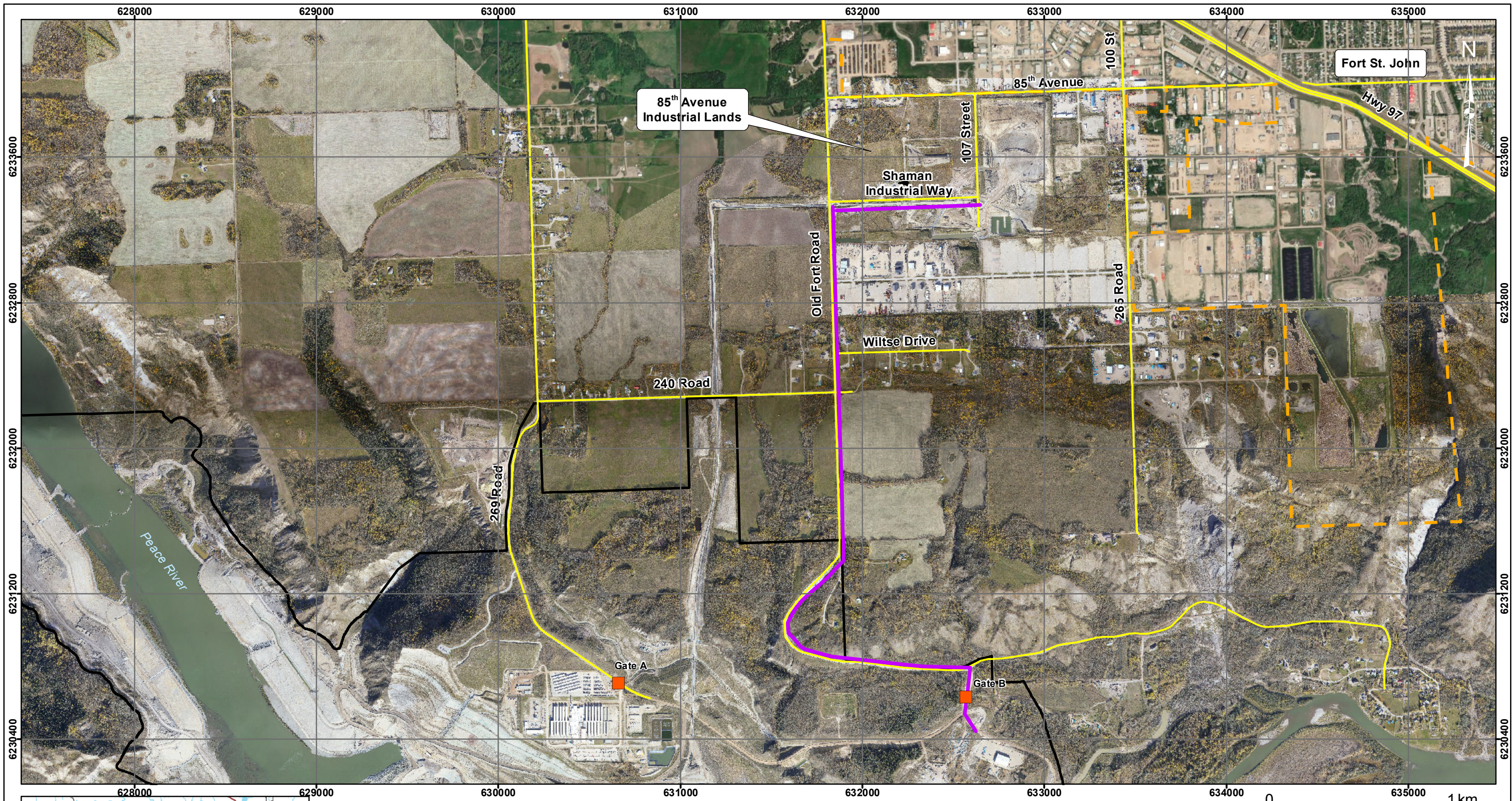
Map Notes:
 1. Datum: NAD 83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Imagery: ESRI World Imagery

Legend

- 85th Avenue Contingency Haul Route
- Dam Site Area
- Existing Highway

1:80,000 0 4 km

Produced by: BC Hydro				
Figure 1				
Amendment #10				
85th Avenue Contingency Haul Route				
Overview Map				
Date	Jun. 22, 2022	DWG NO	1016-N11-01014-1	R 2



Map Notes:
 1. Datum: NAD 83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Imagery: TRSI October 2021 and ESRI World Imagery

- Legend**
- Security Gate
 - Road and Highway Centerline
 - 85th Avenue Contingency Haul Route
 - - - Fort St. John City Limits
 - Dam Site Area

1:20,000 0 1 km

Produced by: BC Hydro				
Figure 2				
Amendment #10				
85th Avenue Contingency Haul Route				
Detail Map				
Date	Jun. 22, 2022	DWG NO	1016-N11-01014-2	R 2