



Power smart

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June 30, 2022

Re: Notice of Site C Construction Activities: July – September 2022

As part of our engagement with Indigenous groups, we provide regular updates and information on construction activities. This letter describes work planned from July 1 to September 30, 2022.

For the upcoming period, construction at Site C will focus on:

- Progression of earthworks at the dam site.
- Construction of the powerhouse and spillways.
- Installation of steel piles as part of the right bank foundation enhancement work.
- Starting construction of the approach channel.
- Transmission line construction between the Site C substation and the generating station.
- Highway 29 realignments at Cache Creek, Halfway River, Farrell Creek East, Farrell Creek, Dry Creek and Lynx Creek.
- Construction of a 2.6-kilometre shoreline protection berm in Hudson's Hope.
- Construction of boat launches at Lynx Creek and Halfway River, including a double-wide boat ramp, parking lot, day-use area, and access roads.
- Loading of rock at Portage Mountain Quarry, which will be hauled to Lynx Creek and the Hudson's Hope berm.
- On-call archaeological studies, as required.
- Clearing and road construction activities to access aggregate sources on the south bank (Area E and Area 24).
- Vegetation clearing for the construction of access roads on the north shore of the Peace River, east of the dam site, to support the creation of fish habitat, including some in-river excavation.

For all activities described in this letter, the [necessary approvals](#) will have been obtained before work begins. Geotechnical site investigations, air quality monitoring, heritage and other field studies are ongoing. We'll continue to provide [annual field study notices](#) of these activities.

For the safety of the public and workers, please use caution when hunting, shooting, or setting traps in Site C project areas.

Dam site

- **Access roads:**
 - Crews will continue to maintain dam site access roads and existing south bank resource roads, including petroleum development roads.
- **Headpond:**

- The Peace River was diverted in September 2020. During the river diversion phase, water accumulates behind the upstream cofferdam in what is called a headpond. The headpond begins at the dam site and could extend as far back as 15 kilometres – or approximately up to Cache Creek.
- This means water levels could rapidly rise in areas upstream of the dam site.
- The Peace River remains closed both upstream and downstream of the dam site; caution should be exercised at the shoreline.
- The debris boom on the Peace River has been installed for spring and summer. The debris management structures on the Moberly River capture floating debris and prevent it from impacting construction and diversion tunnel operations.
- **Main civil works:** Construction activities include:
 - Excavation of the approach channel.
 - Relocation of excavated material to disposal areas on the north and south banks of the river at the dam site area.
 - Construction of the south bank and north bank drainage tunnels.
 - Concrete production.
 - Grouting of the main dam grout curtain and consolidation grouting.
 - Earthfill dam placements and other civil works.
 - Rail delivery of riprap to site.
 - Haul road realignments.
- **Generating station and spillways:**
 - Installation of steel piles as part of the right bank foundation enhancements. The piles extend the foundation further into the bedrock.
 - Concrete will continue to be placed in powerhouse intake areas.
 - Sections of the steel penstocks will continue to be delivered to site, where they are assembled, installed, and encased in concrete.
 - Construction of the spillway stilling basin will continue.
 - Transition block and spillway headworks construction will continue.
- **Turbines and generators:**
 - Turbine and generator components will continue to be delivered safely to site.
 - Installation of turbines and welding of spiral cases in the powerhouse will continue.
 - Assembly of generator components have begun inside the powerhouse main service bay.
- **Transmission Lines:**
 - Construction of three 500 kilovolt transmission lines between the Site C substation and the Site C generating station will begin.

Public roads and highways

- **Highway 29**

- **Cache Creek East:** Bridge and highway construction will continue, including installing the cast-in-place concrete bridge deck and parapets. Construction of the highway subgrade will continue, including asphalt paving. Installing distribution lines may occur.
- **Halfway River:** Construction will include the highway grade on the east and west approaches to the bridge, including asphalt paving. Construction of an intersection for the future Halfway River boat launch will begin.
- **Farrell Creek East:** Construction will include asphalt paving and drainage works.
- **Farrell Creek:** Bridge construction will continue, including installing precast concrete deck panels on the girders and installing the cast-in-place concrete bridge deck and parapets. Road construction will continue and will include asphalt paving and installing distribution lines.
- **Dry Creek:** Construction will continue and will include the construction of the east and west bridge approaches, asphalt paving, fish habitat development and installing distribution lines. Traffic will be moved onto the highway alignment.
- **Lynx Creek:** Construction of the highway realignment will continue, including construction of the cast-in-place concrete bridge deck and highway grade. Traffic may be moved onto the highway alignment.
- **Decommissioning:** Decommissioning of existing highway alignments at Farrell Creek East and Dry Creek may occur.

Peace River/reservoir

- **River closure:** A short section of the Peace River is permanently closed at the dam site as construction is underway on the earthfill dam.
- **In-river debris management systems:** Debris management structures are in place on the Moberly River. The boom on the Peace River will be in place for the spring and summer.
- **Fish habitat enhancement project:** Access road maintenance and fish habitat construction work will occur on the south bank downstream from Peace Canyon Dam. Access to the shoreline is limited near the work area.
- **Archaeology:** On-call archaeological studies, as required, anywhere on the project.
- **Transmission line relocation:** Access road improvements and construction will occur in the Halfway River region for the rerouting of the existing transmission line crossing the Halfway River, which will be impacted by the reservoir.
- **Reservoir clearing:** Surveys and site investigations may occur within the footprint of the reservoir area.

Hudson's Hope shoreline protection

- Construction continues for the Hudson's Hope shoreline protection berm.
- Riprap and berm filter material from Portage Mountain Quarry will be hauled and stockpiled at the berm site.
- Riprap will be hauled from Commotion Creek Quarry and stockpiled at the berm site.
- Processing, stockpiling and placement of berm fill and berm filter material will occur on the berm site.
- Installing piping for a new Hudson's Hope water intake will occur.

- Installing steel and concrete culverts will occur.
- The berm is expected to be complete by summer 2022.

Boat launches at Lynx Creek and Halfway River

- Construction will include clearing, excavation, and contouring, as well as parking lot, access road and boat ramp construction.

Transmission works

- **Construction:** Work on three 500 kilovolt transmission lines between the Site C substation and the Site C generating station will begin.
- **Access road maintenance:** Road maintenance on access roads will occur, to provide safe access to the transmission line.
- **Reclamation:** Reclamation of construction areas will occur, including levelling and spreading of topsoil and burning of debris.

Production and transport of materials

- **85th Avenue Industrial Lands:** Till materials for the dam may continue to be quarried and stockpiled for transport.
- **Conveyor belt system:** The operation of the conveyor system has resumed.

Environmental Assessment Certificate

Environmental Assessment Certificate #E14-02 for the project consists of Schedule A, the project description, and Schedule B, the conditions under which the project must be built and operated. If we wish to make a change to either Schedule A or Schedule B of the Environmental Assessment Certificate, we are required to submit a written request to the Environmental Assessment Office, which then consults with regulatory agencies, Indigenous groups and/or the public on the request and issues a written decision.

To date, we have requested and been granted nine amendments to the Environmental Assessment Certificate. These are:

- Amendment 1 – regarding design changes to the generating station and spillways.
- Amendment 2 – regarding design changes to the Halfway River Bridge within the Halfway River Highway 29 realignment.
- Amendment 3 – regarding the use of West Pine Quarry, in addition to the already approved Portage Mountain Quarry, as a source of quarry and excavated material for the construction of the Highway 29 realignment, Hudson’s Hope shoreline protection, and areas along the reservoir requiring protection during reservoir filling.
- Amendment 4 – regarding the selective use of mechanical clearing in riparian zones during reservoir clearing when it is unsafe to undertake manual clearing.
- Amendment 5 – regarding a change in the alignment of Highway 29 at Cache Creek.
- Amendment 6 – regarding the expansion of the worker accommodations camp within the dam site area.
- Amendment 7 – regarding changes to the designs of Highway 29 crossings at Farrell, Dry and Lynx Creeks.

- Amendment 8 – regarding the use of a borrow source located east of the Halfway River for the construction of reservoir clearing access roads.
- Amendment 9 – regarding the relocation of a boat launch from Cache Creek to a location east of Halfway River.

Water Licences and Leaves to Commence Construction/Diversion

We hold Water Licences for the diversion and use of water, the storage of water, and for the temporary and permanent fish passage facilities. During construction, we will apply for a series of Leaves to Commence Construction under the Water Licences to construct project works or components of project works. Construction-related activities under the Leaves to Commence Construction are also independently reviewed by the Independent Engineer and the Independent Environmental Monitor as required by the Water Licences.

To date, BC Hydro has obtained Leaves to Commence Construction for:

- Initial works.
- Relocated surplus excavation material storage areas.
- North and south bank excavations.
- South bank stage 1 cofferdam.
- Clearing of the eastern reservoir.
- North bank cofferdams and diversion tunnel works.
- Roller-compacted concrete buttress foundation preparation and roller-compacted concrete placement.
- Geotechnical investigations for the Hudson's Hope shoreline protection.
- Earthfill dam excavation, foundation preparation, fill placement and approach channel foundation preparation and placement.
- Generating station civil works and spillways civil works.
- Construction of the temporary fish passage facility.
- Stage 2 cofferdams and river diversion, including debris boom facilities on the Peace and Moberly Rivers.
- Water licences for temporary and permanent fish passage facilities.
- Middle reservoir clearing.
- Western reservoir clearing.
- Hudson's Hope berm construction.
- Turbines and generators installation.
- Balance of plant.
- Hydromechanical works and gantry cranes.
- Right bank foundation enhancements.

We also obtained a Leave to Commence Diversion in June 2020, covering placement of the rockfill berm into the Peace River, diversion of water through the diversion tunnels, and

construction of the stage 2 cofferdams. A separate Leave to Commence Diversion was also issued in August 2020, authorizing the commissioning of the temporary fish passage facility.

Notice of completed activities

The following work, described in previous notifications, is complete or is anticipated to be complete by the date of issuance of this letter:

- Improvements to public roads in the vicinity of the dam site area.
- Worker accommodation lodge.
- Site C public viewpoint.
- Fish habitat enhancements downstream of the dam site.
- 50 affordable housing units in Fort St. John.
- River diversion.
- Site C substation.
- Two transmission lines connecting Site C to Peace Canyon, and Peace Canyon switchgear upgrades.
- Temporary fish passage facility.
- Placement of 1.7 million cubic metres of roller-compacted concrete in the powerhouse, spillways, and dam and core buttresses.

What to expect

During this period, the following can be expected:

- [Permanent navigation restrictions](#): Boaters no longer have access to the Moberly River and the Peace River, near the dam site now that construction is underway on the earthfill dam. Public safety signs and beacons have been installed on both banks of the Peace River, and on both sides of the dam site, to mark the active construction area.
- There will be project-related traffic on public roads leading to the dam site, transmission line corridor, reservoir, and Highway 29, as we continue to haul materials, equipment, rock, and timber. This will include increased industrial traffic on resource roads and public roads from Chetwynd leading to the site on the south bank.
- Day, night, and weekend shifts are anticipated for the duration of the project.
- Traffic control will be intermittently in place for construction and investigation activities along Highway 29. This may cause minor traffic delays. Visit drivebc.ca for the latest traffic updates.
- Noise will occur near the construction areas.
- Noise and vibration will result from works in the quarries. Hauling may occur at night.
- There will be construction occurring around the Peace River at the dam site.
- There may be smoke and lower visibility in areas where wood debris burning is occurring.
- We are monitoring air quality in the Site C project area. This data is being added to the Ministry of Environment's [B.C. Air Quality Monitoring Data](#). The Ministry uses this data to report on air quality trends. In the event of poor air quality, the Ministry will release air

quality advisories through a notification list. This notification list currently includes the regional media, various public and private sector offices, as well as members of the public. If you're interested in being part of this notification list, please email sitec@bchydro.com.

COVID-19 update

We continue to work with Northern Health to monitor the latest developments of the COVID-19 pandemic to help prevent the spread of the virus on the project.

As of January 10, 2022, all workers at site are fully vaccinated. In addition, we are strictly following Ministry of Health guidelines. You can keep up to date with our COVID-19 measures [here](#).

Learn more

We're committed to providing you with information about Site C construction activities and have established several ways that you can learn more about the project.

We would be happy to discuss the upcoming work in more detail, report on results of field studies and implementation of mitigation plans and discuss how best to communicate with your community.

Kindest regards,

A handwritten signature in blue ink that reads "Ken McKenzie". The signature is written in a cursive style and is enclosed within a hand-drawn oval shape.

Ken McKenzie



