

March 2018

### **Re: Notice of Site C Construction Activities: April to June 2018**

This letter describes the work planned from April 1 to June 30, 2018. For the upcoming period, construction is planned to focus on the advancement of earthworks at the dam site, clearing and access road work in portions of the transmission line corridor, construction of the Site C substation, and clearing and road maintenance in the lower and eastern reservoir. Upcoming work and investigation areas will include the dam site, segments of Highway 29, Wuthrich Quarry, West Pine Quarry, Portage Mountain Quarry, Hudson's Hope, the transmission line corridor, the lower and eastern reservoir and the Peace Canyon Substation.

For all of the activities described in this letter, the necessary permits, authorizations, licenses or government approvals have been or will be obtained as required prior to proceeding with the work. Geotechnical site investigations, air quality monitoring, heritage and other field studies are ongoing. BC Hydro will continue to provide annual field study notices of these activities, which are available on the [Site C website](#). In all of the identified work areas, geotechnical site investigations, including the drilling of test holes, may be required.

BC Hydro requests that you use caution when hunting, shooting or setting traps in the vicinity of the Site C transmission line corridor for the safety of public and workers in the area.

Please let us know if you have any questions.

### **April to June 2018**

The following construction-related activities are expected to commence, continue or be completed in the period from April to June 2018:

#### **Dam site area**

- **Debris management**: Waste wood and debris will be disposed or removed from site. This may include mulching, spreading and burning at the dam site or hauling off site.
- **Access roads**: Crews will continue to maintain the dam site access roads and existing south bank resource roads, including the petroleum development roads.
- **Main civil works**: The main civil works contractor will continue their construction activities during this period. This work will include:
  - Mobilization of crews, equipment and materials
  - Construction and maintenance of site infrastructure
  - Installation and monitoring of geotechnical instrumentation on the north and south banks
  - Excavation on the north and south banks, including north bank slope stabilization and excavation for the tailrace and inlet portal, spillways, diversion tunnels and south bank approach channel. Excavated materials will be moved to the designated relocated surplus excavation material (RSEM) sites on both the north and south banks. Dikes will be constructed for the RSEM sites and some dredging may be required. Blasting may be required.
  - Material crushing on the south bank
  - Construction of the south bank drainage tunnel, including drilling and blasting

- Work on the approach to the Peace River construction bridge
- Dredging of the river in preparation for river diversion
- Aggregate production for the roller-compacted concrete (RCC) and placement of RCC for the powerhouse buttress on the south bank
- Commissioning the RCC conveyor on the south bank
- Foundation preparation work for the spillway buttress
- On-site concrete batching
- Riprap placement along the cofferdams
- Generating station and spillways: The generating station and spillways civil works contractor will mobilize crews and equipment to their work area on the north bank.
- Turbines and generators: The turbines and generators contractor will continue to mobilize crews and equipment to their work area on the south bank. The contractor will ship material to the dam site by rail and will assemble equipment in their on-site manufacturing facility.
- Site C substation: Work will occur to prepare the substation site and the foundations will be constructed for substation equipment. The substation contractor will mobilize crews, equipment and material to their work area, including the supply of concrete from Fort St. John. Civil and electrical works will begin.
- Dam site security: Security infrastructure will be installed.

### **Public roads and highways**

- Highway 29 at Halfway River, Farrell Creek East, Farrell Creek, Dry Creek and Lynx Creek: Survey work, geotechnical investigations and heritage monitoring will occur to support detailed design development for these segments.
- Highway 29 at Cache Creek/Bear Flat: Survey work, wildlife studies, geotechnical investigations, ground truthing, heritage monitoring and archaeological investigations will occur to support the alignment decision process and detailed design development.

### **Peace River/reservoir**

- Fish habitat enhancement project: Visual investigations will continue to prepare for the fish habitat enhancement project.
- Reservoir clearing: The reservoir clearing contractor will complete clearing activities in the lower reservoir areas, from the dam site to Tea Island in early April. This clearing is required to prepare the area for the work that will facilitate river diversion. In the coming period, planned work and work areas include:
  - Road maintenance on the south bank of the Peace River in the eastern reservoir area.
  - Debris management in the lower reservoir area, which may include burning on Tea Island.
  - Completion of clearing activities, including the deactivation of the access road and bridge crossings.

- Debris management: Merchantable trees of sufficient size, quality and volume to make them suitable for harvest and transport will be transported to local mills. Remaining wood may be chipped, mulched, spread as coarse woody debris or burned on site.

### **Hudson's Hope**

- Site investigations: Geotechnical investigations may occur to support detailed design development for the shoreline protection project.

### **Transmission works**

- Access road maintenance: Upgrades will be completed in this period to portions of existing access roads. This is required to provide safe access to the transmission line right-of-way. This work will include erosion and sediment control.
- Access road construction: Construction of access roads within portions of the 75-kilometre transmission line right-of way will occur.
- Clearing work: Tree clearing, vegetation removal and waste wood disposal may occur in portions of the transmission line right-of-way. Clearing will occur in areas that do not have active bird nesting, as determined by bird nesting surveys. Merchantable trees of sufficient size, quality and volume to make it suitable for harvest and transport will be transported to local mills. Remaining wood may be chipped, mulched, spread as coarse woody debris or burned on site.
- Peace Canyon Generating Station: Control upgrades within the switchyard building will occur. The substation contractor may begin to mobilize crews and equipment to begin site preparation and foundation work.
- Transmission line construction: The transmission line contractor may begin to mobilize crews and equipment to their work area. Site investigations, such as survey work and geotechnical work may occur.
- Transmission structures: Staking may begin along the right-of-way.

### **Production and transport of materials**

- Wuthrich Quarry: Riprap will be produced for use in construction at the dam site. Blasting will occur as part of this work.
- West Pine Quarry: Riprap will be produced for use in construction at the dam site. Blasting will occur as part of this work. Debris may be burned in early spring.
- Portage Mountain Quarry: Access roads will be constructed and blasting will occur. Waste wood will be burned in early spring.
- 85<sup>th</sup> Avenue Industrial Lands: The main civil works contractor will continue work at the 85<sup>th</sup> Avenue Industrial Lands. This will include the preparation of offices, a parking lot, laydown/stockpile areas and the overland conveyor to the north bank. Work will occur to prepare the Industrial Lands for excavation.
- Conveyor belt system: Preparatory work will continue for the temporary conveyor belt system. Fencing will be installed along the conveyor right-of-way. Construction of the conveyor may begin.

## **Water Licence(s) and Leaves to Commence Construction**

During the course of construction, BC Hydro will apply for a series of Leaves to Commence Construction (LCCs) under its Water Licences in order to construct particular project works or components of project works. Construction-related activities under the LCCs are also independently reviewed by the Independent Engineer and the Independent Environmental Monitor as required by BC Hydro's Water Licences.

To date, BC Hydro has obtained LCCs for:

- Initial works
- RSEM storage areas
- North and south bank excavations
- South bank stage 1 cofferdam
- Clearing of the eastern reservoir
- North bank cofferdams and diversion tunnel works
- RCC buttress foundation preparation and RCC placement
- Geotechnical investigations for the Hudson's Hope Shoreline Protection and Halfway River debris boom
- Earthfill dam excavation, foundation preparation, fill placement and approach channel foundation preparation and placement

In the upcoming three-to-six month period, BC Hydro will also be seeking LCCs for the generating station and spillway civil works, Halfway River debris boom and central reservoir clearing.

In January 2018, the Comptroller of Water Rights issued Water Licences for the temporary and permanent fish passage facilities. BC Hydro will be seeking an LCC for construction of the temporary fish passage facility in summer 2018.

## **What to expect**

During this time period, the following can be expected:

- There will be truck traffic on public roads as the hauling of materials, equipment, rock, and timber continues. 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.
- Some noise will occur in the vicinity of the dam site, along public roads and in other work areas as a result of the scheduled construction activities.
- Some noise and vibration will result from the periodic blasting and other work that is occurring in Wuthrich Quarry and West Pine Quarry. Hauling may occur at night.
- There will be construction occurring in and around the Peace River at the dam site.
- Public safety signs and beacons have been installed on the north and south banks of the Peace River, upstream and downstream of the dam site, to mark the boundaries of the

active construction area. Until further notice, boaters will be able to pass through the dam site, but will not have shoreline access in the dam site construction area. A security boat will be monitoring boat traffic.

- BC Hydro is 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 ([www.bcairquality.ca](http://www.bcairquality.ca)). 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.

### **Learn more**

- Visit the project website: [sitecproject.com](http://sitecproject.com)
- Call the toll-free project line: 1-877-217-0777
- Email the project team: [sitec@bchydro.com](mailto:sitec@bchydro.com)
- Send an enquiry or feedback online at: <https://www.sitecproject.com/contact-us#enquiry>