

December 2016

Re: Notice of Site C Construction Activities: January to March 2017

This letter describes the construction activities planned from January 1 to March 31, 2017. For the upcoming three-month period, the construction focus will be on the continuation of earthworks at the dam site and preparation works in and around the transmission line corridor. Site preparation at the dam site, including the construction of the worker accommodation lodge and the temporary Peace River construction bridge, is now substantially complete. In the upcoming period, work areas will include the dam site, the eastern and lower reservoir, public roads used to access the dam site, segments of Highway 29, Hudson's Hope, the transmission line corridor including access roads, Wuthrich Quarry and West Pine Quarry.

Please note that the information the letter may change based on the Site C contractors' specific plans and schedules.

For all of the activities described below, the necessary permits, authorizations, licenses or government approvals have been or will be obtained as required to proceed with the work. Geotechnical site investigations, air quality monitoring, heritage and other field studies are ongoing. BC Hydro will continue to provide field study notices of these activities. In all of the identified work areas, geotechnical site investigations, including the drilling of test holes, may be required.

January through March 2017

The following construction-related activities are expected to commence, continue, or be completed in the period from January through March 2017:

Dam Site Area

- **Clearing and debris management:** Vegetation and tree clearing will continue on the north and south banks of the dam site. Wood waste and debris will be disposed or removed from site. Merchantable timber will be transported to local mills.
- **Access roads at the dam site:** The north bank access roads are substantially complete. Crews will continue to maintain the dam site access roads and existing south bank resource roads, including the petroleum development roads. The main civil works contractor will construct and maintain access roads for their work areas.
- **Excavation and material relocation:** Excavation will continue on the north and south banks. Excavated materials will be moved to designated relocated surplus excavation material (RSEM) sites, which are being constructed in the dam site area on both the north and south banks. In-river dikes will be constructed for the RSEM sites.
- **Main civil works:** The main civil works contractor will continue their construction activities on site during the January to March period. In addition to the excavation mentioned above, this work will include:
 - Continued mobilization of crews, equipment and materials.
 - Continued construction of site infrastructure and south bank access roads.

- Survey work and site investigations, including drilling, on the north and south banks of the dam site.
- Installation of geotechnical instrumentation on the north and south banks.
- The continuation of earthworks on the north and south banks, including excavation on the south bank and north bank slope stabilization.
- Construction of the south bank drainage tunnel. This will require tunnelling which will begin in December and will continue through this period.
- Ongoing construction of the south bank cofferdam.
- Construction of the south bank approach channel.
- Material crushing for the roller-compacted concrete (RCC) buttress. This crushed material will be used to produce concrete at the batch plant for the RCC buttress on the south bank.
- Excavation for the powerhouse buttress.
- Construction of the inlet cofferdam on the north bank.
- Construction of the north bank cofferdam.
- Riprap placement along the cofferdams.
- The removal of the temporary clearing bridge across the Moberly River.
- Completion of the causeway for the Moberly River construction bridge.
- **Dam site security:** Security fences, signs and guard buildings will be installed.
- **Viewpoint:** Construction of the north bank viewpoint, and the access road leading to the viewpoint, reached substantial completion in fall 2016. Paving, landscaping and installation of display signs will occur in spring 2017.
- **Turbines and generators contractor:** Voith Hydro, the turbines and generators contractor, is expected to access their laydown and work area on the south bank of the dam site in early March. This will include the mobilization of crews and equipment and the beginning of excavation and foundation preparation for their on-site manufacturing facility.
- **Distribution line:** The existing distribution lines on Old Fort Road and 240 Road may be modified to create space for the conveyor belt system that will run from the 85th Avenue Industrial Lands to the dam site.

Public Roads and Highways

- **Public road upgrades:** Upgrade work for 271 Road and Old Fort Road will pause over the winter and will continue in spring 2017. Paving on both roads will be completed in late spring 2017.
- **Highway 29:** The area for the new Highway 29 alignment and the aggregate sources for Cache Creek/Bear Flat will be cleared and grubbed during this period. Survey work, geotechnical investigations and heritage monitoring will occur as required to support detailed design development at Halfway River.
- **Distribution relocations:** Investigative work may occur along Highway 29 for distribution line relocations required as a result of the planned Highway 29 realignments.

Peace River/ Reservoir

- Reservoir clearing: The reservoir clearing contractor will mobilize to the dam site in the fall/winter and will begin clearing in some areas of the lower and eastern reservoir. This clearing is required now to prepare the area for the work that will facilitate river diversion in 2019. In the coming period, planned work areas include:
 - Clearing the eastern and lower reservoir on the north and south banks of the Peace River from the dam site to Cache Creek, including Tea Island.
 - Clearing in the Moberly River valley.
- Timber removal: Merchantable logs will be decked and transported to local mills. Waste wood will be disposed.
- Halfway River debris boom: Survey work will occur to support the design of the Halfway River debris boom. The boom will be constructed and installed in fall 2017.

Transmission Works

- Access road upgrades: Portions of existing access roads, including Highway 29-1, Peace Hill Road, Trapper Main Road, Medicine Woman Road, Boucher Lake Road, Monias Road, Del Rio Pit Road and Ice Bridge 3 Road, will continue to be upgraded to provide safe construction access to the transmission line right-of-way. This work may include clearing and brushing, construction of ditches and vehicle pullouts, installation of bridges, subgrade reconstruction, culvert installation and final surfacing, and is expected to occur in fall/winter 2016/17, weather dependent.
- Clearing work: Tree clearing and vegetation removal will occur in the transmission line right-of-way, and in a 14-metre-wide area on the north side of the right-of-way, between the dam site and just west of Jackfish Lake Road. This work will include the construction of temporary and permanent access roads within the right-of-way. Clearing work for this portion of the transmission line will begin in fall/winter 2016 and will continue through the end of March 2017.
- Peace Canyon Generating Station: Some clearing may occur on BC Hydro-owned land at the Peace Canyon Generating Station to prepare the site for the expansion of the 500 kV switchyard, which is where the two new 500 kV transmission lines will connect to the BC Hydro system.
- Geotechnical investigations: Some geotechnical investigations, including geotechnical drilling, test-pitting, installation of monitoring equipment and geotechnical support work, may occur along the transmission line corridor. It is expected that a helicopter will be required to support this work.

Hudson's Hope

- Initial site investigations: Initial survey work and geotechnical investigations may occur in Hudson's Hope to support detailed design development for the shoreline protection project.

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.
- 85th Avenue Industrial Lands: The main civil works contractor will continue to mobilize to the 85th Avenue Industrial Lands and will begin work during this period. The mobilization will include the preparation of offices, a parking lot and laydown/stockpile areas. Work will occur to prepare the Industrial Lands for excavation.
- Conveyor belt system: Preparatory work will begin for the temporary conveyor belt system. The conveyor belt will be installed in 2017 to move excavated material from the 85th Avenue Industrial Lands to the dam site area. The work in this period will include clearing the right-of-way for the conveyor and the construction of access points. The conveyor belt system will run south from the Industrial Lands to the dam site and will cross at points along Old Fort Road and 240 Road.

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 (IE) and the Independent Environmental Monitor (IEM) as required by BC Hydro's Water Licences.

To date, BC Hydro has obtained LCCs for the initial works, relocated surplus excavated materials (RSEMs), excavation and the south bank stage one cofferdam. In the upcoming three-to-six month period, BC Hydro anticipates that it will seek LCCs for reservoir clearing, Highway 29 realignment clearing, backfilling of exploratory adits, construction of the north bank stage one cofferdams and diversion works, geotechnical investigations in Hudson's Hope for the shoreline protection project and for the installation of the Halfway River debris boom.

What to Expect

During this time period, the following can be expected:

- There will be truck traffic on public roads as construction crews mobilize and the hauling of 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.
- Early morning and night shifts may be scheduled, as well as shifts on the weekends.
- Some noise will occur in the vicinity of the dam site, along public roads, in and around the transmission line right-of-way and in other work areas as a result of the scheduled construction activities.
- Some noise and vibration will result from the periodic blasting that is occurring in Wuthrich Quarry. Material hauling may occur at night.
- Some noise and vibration may result from the work that is occurring in West Pine Quarry.
- As part of the clearing work, some eagle nests may be removed under the authority of the Wildlife Act Permit FJ14-154018. BC Hydro will adhere to the conditions of the permit when removing the nests. A notification letter and location map was sent to Aboriginal groups by email on November 23, 2016.

- Travelling public may experience minor delays on Highway 29 in the Cache Creek/Bear Flat area as a result of clearing operations near the existing highway.
- There will be construction work occurring in and around the Peace River within the dam site and in and around the Moberly River valley.
- There will be construction work, including clearing and access road construction, occurring in and around the transmission line right-of-way.
- 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 actively 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 BC Air Quality Monitoring Data (<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.

Learn More

- Visit the project website: sitecproject.com
- Follow the Site C Twitter account: [@sitecproject](https://twitter.com/sitecproject)
- Call the toll-free project line: 1-877-217-0777
- Email the project team: sitec@bchydro.com
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