Name: Rosemary Phillips
Date: October 03, 2017
Subject: Site C Terminating construction & remediating the site
Oct. 3, 2017

British Columbia Utilities Commission
Suite 410, 700 Howe Street
VANCOUVER, B.C. V6Z 2N3
FAX: 604.660.1102

Dear Sirs:

Re: Site C: terminating construction & reverting the site

NAME: Rosemary Phillips

I am a pioneer in the Peace River area. We raise certified Organic Beef and grain in this pristine Peace River Valley. For the following reasons I say NO to the Site C Dam.

1) There has not been a thorough comprehensive study of how the Montmorillonite Clay will affect the river valley & consequently the Site C Dam. This issue was submitted to the Joint Review Panel but was it thoroughly addressed? Please review the effect it will have on the Site C.

The river valley is not stable - it is not bedrock: it continually slumps in through the years. Common sense would say we are heading for a disaster if we don't stop now.
#2 (CONTINUED)

2) FRACKING... a new component now emerging. This is an unknown and already creating havoc. Pressurizing underground seams will definitely affect the stability of the dam (and what will fracking do with drinking water?) It is a genuine threat to the Benjoy Dam and of course Site C. There is no knowledge and no control of what self-induced forces will happen.

3) The Joint Review Panel (Harry Swain) recommended avoided the Lebens Code B.C. Hydro for an independent review by the B.C. C. This was totally ignored. Obviously not bargaining in good faith, integrity lacking, exposing a democratic system.

4) This is the 21st century. We are in the era of new energy revolution. Modern technology is advancing explosively. Dams are dinosaurs in this day and age. This dam will be an albatross around our neck if we continue with it.

Let’s get our head out of the silt.
And to use a tired cliché: Feet don’t fail me now.

No Site C for the shrinking threatened planet.

Respectfully,

[Signature]

[Contact Information]
The structure of Montmorillonite clay (excerpted from US Department of Agriculture Yearbook 1957, pg. 34):

5. The crystal unit of clays of the montmorillonite consists of a silica sheet on each side of an alumina sheet. The interlattice spacing in the montmorillonite clays varies with the amount of water present. The entire surface of the crystal unit is accessible for surface reactions.

The wetting of these unconsolidated materials with water causes the thin plates to separate. When the platelets are on an inclined plane the coefficient of friction is reduced to the point where they will slide due to gravitational forces. The Attachie Slide in 1973, the BCR hill in the 1980s, and the Big Bam ski hill slide in 1996 are all examples of this phenomenon. Numerous other slides in earlier eras are located all along the undisturbed valley slopes. Any human disturbance in combination with high rainfall events exacerbates the slumping process along the edges of the Peace River Valley. There were extremely high rainfall years preceding the bridge collapse (1957), the Attachie slide (1973), and the ski hill failure (1996).

Aerial view of the Attachie Slide May 26, 1973 which dammed the Peace River for approximately 10 hours. This site is within the proposed Site C reservoir.