

**Name: Rosemary Phillips**

**BCUC INQUIRY RESPECTING SITE C**

**F 226-1**

**Date: October 03, 2017**

**Subject: Site C Terminating construction & remediating the site**

#1

Oct. 3, 2017

British Columbia Utilities Commission  
Suite 410, 900 Howe Street  
VANCOUVER, B.C. V6Z 2N3  
FAX: 604.660.1102

Dear Sir:

Re: Site C : terminating construction &  
remediating the site  
NAME: ROSEMARY PHILLIPS

I am a pioneer in this Peace River <sup>area</sup>. 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.

This river valley is not stable, it is not bed rock; it continually sluffs in through the years. Common sense would say we are heading for a disaster if we don't stop now.

# 2 (CONTINUED)

2.) FRACTURING .. 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 to our drinking water!) It is a genuine threat to the Bennett Dam and of course Site C. There is no knowledge and no control of what self-induced horrors will happen.

3.) The Joint Review Panel (Harry Swain) recommended, advised the Liberal gov't, B.C. Hydro for an independent review by the BCUC. This was totally ignored, obviously not bargaining in good faith; integrity lacking; ignoring 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 this shrinking, threatened planet.

Respectfully,

Barbara Phillips

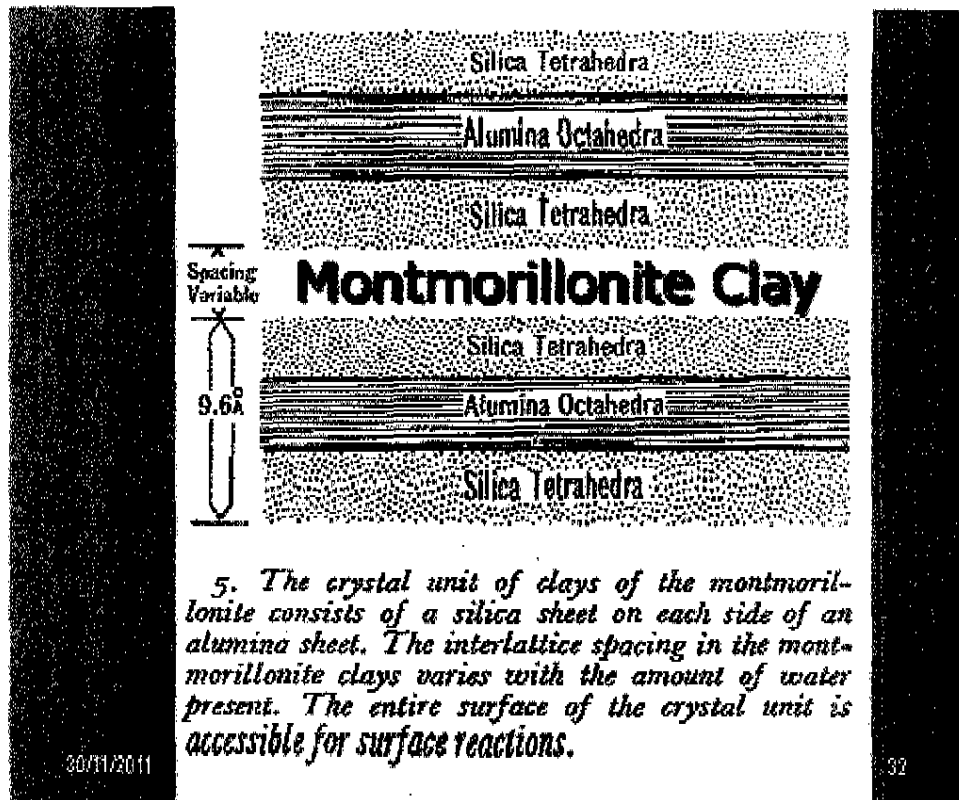
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(E-mail)

# 3 - - MONTMORILLONITE CLAY info.

#3

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



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.

