

## Hunt, Jane

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**Subject:** FW: No 1689 - Jack Century, P. Geol., Consultation process...

-----Original Message-----

From: CNSC-CCSN  
Sent: Wednesday, March 03, 2010 12:53 PM  
To: Info  
Cc:  
Subject: Contact Us from Website

--- BEGIN ---  
Lang - EN

Form.fname  
JACK

Form.lname  
CENTURY

Form.email  
jrcentury@shaw.ca

Form.org  
Peace River Environmental Society

Form.address  
92 Colleen Crescent SW

Form.city  
Calgary

Form.provstate  
Alberta

Form.zip  
T2V 2R3

Form.telephone\_areacode  
403

Form.telephone\_number  
252-2161

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This is in reponse to CNSC request for input to the Nuclear Safety Public Consultation Process:

In Appendix A: "Normal and Credible Abnormal Conditions"

- (1) External postulated initiating events
  - (a) Natural phenomena

- iii Earthquakes and eruption of volcano

There is abundant peer-reviewed geoscience information published in mainstream scientific journals about the serious consequences of : (a) natural and (b) human-induced earthquakes from many parts of the world.

The CNSC has been made fully aware of this in previous communications with CNSC members and staff. This is a very important issue to correct because it directly applies to risks and hazards associated with a current site application by Bruce Power to build a nuclear power plant on top of the heavily faulted and seismically active Peace River Arch in northern Alberta.

There are ongoing induced earthquakes induced by oil industry operations on the Peace River Arch. Specifically, related to the Bruce Power site application is a M3.4 earthquake that was recorded on Feb 19, 2010 at 4:02 am as a direct result of SAGD steam operations by Shell Canada at their Carmon Creek bitumen project.

This M3.4 earthquake occurred near (a) the Town of Peace River, (b) the Bruce Power proposed nuclear power plant site and (c) the Shell Carmon Creek in situ bitumen extraction project. This earthquake was located by the Geological Survey of Canada at approximately 56.4 degrees N and 117 degrees W.

I was given an arranged tour of the Shell Carmon Creek bitumen project operations on May 7, 2009 by Ken Zaitsoff a Shell Canada manager. The M3.4 earthquake was discussed with Mr Zaitsoff who was fully aware of this earthquake since it was recorded also by Shell Canada.

The May 7, 2009 tour of the Shell Carmon Creek project was arranged by Brenda Brochu and Adele Ryhms leaders of the Peace River Environmental Society. Both Brenda and Adele accompanied me on the tour given by Mr Zaitsoff.

This information has been made public through many PowerPoint presentations including my presentation on May 7, 2009 at the Peace River Catholic Conference Centre attended by 90 residents of the Peace River area. If the CNSC needs further information about this important submission to the consultation process, please contact me.

Jack Century, P. Geol.  
President,  
J.R. Century Petroleum Consultants Ltd.

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