

Mr. Daly-

I cannot have changes made to the transcript, but I can have your additional comments distributed to the service list in this docket and posted to the website.

Sincerely,
Pam

Pamela G. Monroe
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From: Geoff Daly [<mailto:geoffdaly@mkd-usa.com>]
Sent: Monday, July 24, 2017 1:33 PM
To: Monroe, Pamela
Cc: 'Judy Reardon'; Catherine Corkery, NH Sierra Club; 'Kate Epsen'; 'Kaity Thomson (350NH)'; lewicke@yahoo.com
Subject: Northern Pass and statement made on July 20th concerning No references to EMF in application except in Testimony from Experts of Eversource/Hydro Quebec

Good morning *Pamela*,

I am confirming several of my statement points from last weeks added testimony of July 20th, 2017 as follows:

- **Nowhere in Hydro Quebec's/Eversource's application documents or data is the level of EMF/RF from the high-Voltage DC and AC transmission lines given as a value (Shown as nanotesla nT and microteslas μT and milligauss mG) This needs to be questioned and data given to the SEC by Hydro Quebec/Eversource for review and in Real Numbers from a 24 hr./day measurement**
- **Sources of EMF from Northern**



Pass

Overhead



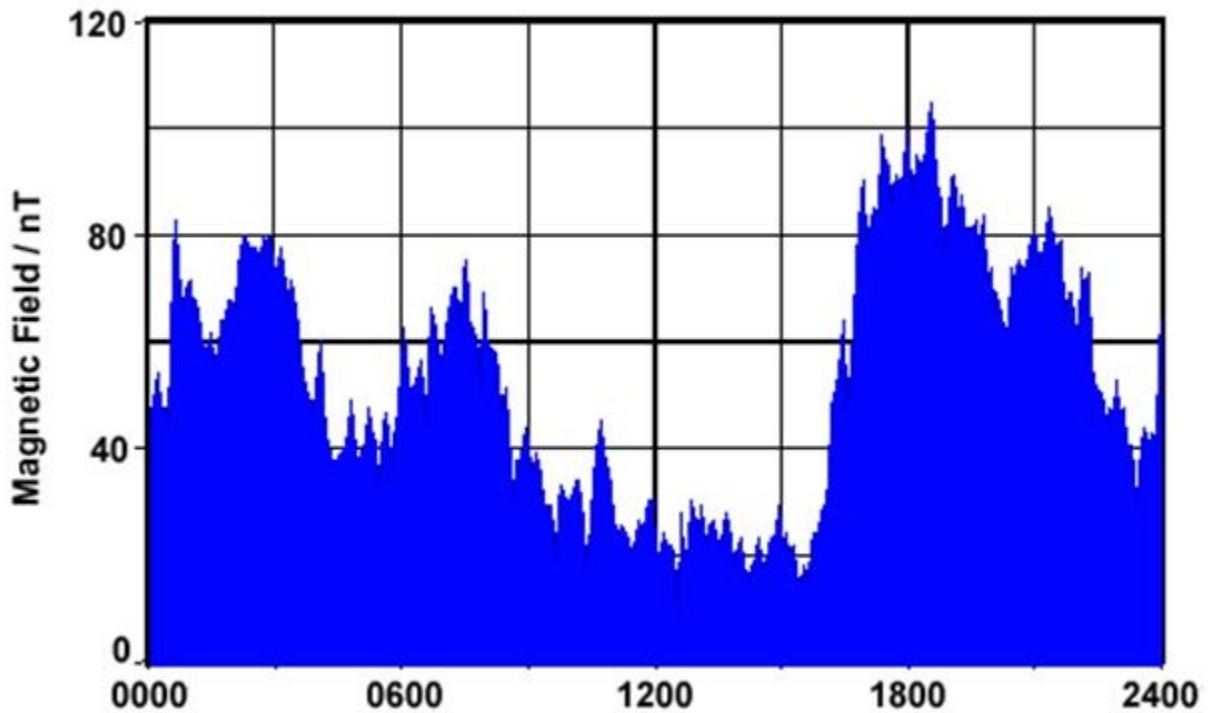
Buried 4 to 15 feet below

ground (not tunnels 30 to 50 feet below ground)



Substations

Country	% exposed to long-term average fields greater than:	
	0.2 μ T	0.4 μ T
USA	9.2	0.9
Canada	11.8	3.3
UK	1.5	0.4
Germany	1.4	0.2



(hrs./day)

- **Safe Distances from Source of EMF recommended:** - Hi-Voltage varies from 700 to 1,000Ft. (see attached photo over an office!) and varies dependent on current pulled and voltage

transmitted above (see above for exposure variation on a 24 hr./day basis) There is a difference between AC and DC transmission lines. DC can cause “Dirty Voltage leakages in the EMF transmission” and is a function of the current and frequency when generated – AC can also produce “Dirty Voltage” due to Imbalances/Transients occurring in the transmission wires mounted on the Poles and whether mounted in a “Wye or Delta configuration”. [note FL tubes and CFL bulbs in a home are huge generators of transients – “Two of the worst creators of transient radiation: *light dimmer switches and compact fluorescent lightbulbs (CFLs)*]. Transients are created when current is repeatedly interrupted. A CFL, for instance, saves energy by turning itself on and off repeatedly, as many as 100,000 times per second” U of Ontario study 2006.

- Hydro Quebec/Eversource’s Expert Dr Bailey who gave testimony and cross examined by Attorney Peter Roth and Maureen Quin recently about EMF generated on the Northern Pass system refuted Dr. Bailey’s testimony as he is paid by the applicant even though he was part of a major EU study along with Dr Henshaw from the U of Bristol in the UK who worked on the Study with Dr. Bailey where it has been proven that EMF has a health effect, especially on children. See the attached confirmation from a lawsuit against Hydro Quebec in 2011 which Dr. Bailey never introduced or considered?.

I would like the Transcript taken on July 20th to have the above added as an addendum to my statement.

Sincerely yours,

Geoff

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