

November 25, 2013

Louise Levert
Secretariat
Canadian Nuclear Safety Commission
280 Slater St. P.O. Box 1046
Ottawa, Ontario
K1P 5S9

Re: GE Canada, Other Operations – GE Nuclear, 1025 Lansdowne Ave, Toronto, ON M6H 3Z6

RF EMFs Causing Accelerated Corrosion of Power Plants, Facilities, Buildings & Infrastructure

Dear Ms Levert,

I am resubmitting the letter regarding nuclear safety specific to 1025 Lansdowne Ave. That said, I wouldn't be doing my job for the commission or engineers if I didn't clarify that the earlier document of November 21, 2013 referencing all Nuclear Facilities can't be ruled out or dismissed.

As government certified energy and building engineering professionals, we should have been informed of the Radio Frequency Electromagnetic Field(RF EMFs) exposure in its entirety. Attempts through BC Provincial MLA Norm Letnick, Minister Rich Coleman and federal ministries to clarify missing science did not get the required qualified response. The orientation of the RF EMFs, intensity of the fields specific to Nuclear Facilities is information critical to the objectives of the commission and cannot be left out, without exception. Engineers are insured for errors or omissions. That brings a liability and compromises design.

All development is designed to comply with building codes which accommodates all loading including vibration. RF EMFs penetrating buildings induces currents and causes atomic or molecular polarizing at billions of times per second as well. Simply put, buildings were not designed for 24/7 RF electromagnetic radiation exposure.

There have been important changes in science that need to be incorporated into any consideration of safety regarding Nuclear Power Safety, building development and infrastructure. All building development and infrastructure is designed for compliance with applicable codes.

While wireless technology use grows, there are important considerations and science missed. Health Canada's Safety Code 6 governs the limits of human exposure to RF EMFs and has adopted the Specific Absorption Rate(SAR) for testing the limits of human exposure. The SAR values are dosage of electromagnetic radiation based on 6 minutes exposure for a 200 lb man.

An alarming reality is that even though Safety Code 6 uses the same science standards as the FCC and other governing bodies, they admit causality linking the frequencies to adverse health effects has been missing. Here is a link to the SAR testing for human exposure only.

<http://www.ce-mag.com/archive/03/01/miller.html>

The SAR test for cell phones was also applied to Wi-Fi and wireless smart meters. Health Canada deemed that because the laptop or smart meter isn't held against the head like the cell phone, 24/7 exposure was acceptable.

<http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/prod/meters-compteurs-eng.php>

<http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/prod/wifi-eng.php>

Government professionals reported errors or omissions in Safety Code 6 in September 2010 linking the frequencies to adverse health effects. I provided expert witness for Canadian Parliament's Standing Committee at their request in October 2010 and lectured medical education on RF EMFs at the University of Central Florida in January 2011. Here is a letter about the accreditation of the medical education program and it is applicable in Canada.

[http://www.thermoguy.com/pdfs/Integrative Health Forum on Medical Education Including Wireless Exposure.pdf](http://www.thermoguy.com/pdfs/Integrative_Health_Forum_on_Medical_Education_Including_Wireless_Exposure.pdf)

Once you incorporate the grid and all bio electrical information of humans, you have causation and biological plausibility substantiating adverse health effects.

The SAR test not incorporating the Smart Grid, Wi-Fi Routers or the electrical information associated with biological systems was confirmed in FortisBC's application to the BCUC for wireless smart meters.

Here are transcripts from the BCUC where FortisBC admit to electromagnetically inducing the 17,000 sq. kms of their coverage areas. That substantiates the RF EMF interaction with building development and the same is applicable to Toronto and other areas.

Questions to FortisBC on costs of wired versus wireless meters were not answered. FortisBC lawyers argued the costs associated with blanket electromagnetic radiation of everything in 17,000 sq. km was outside the scope of costs. The BCUC ruled for FortisBC even though the real costs and liabilities were not represented.

Cross examination of FortisBC experts substantiated the deployment of frequencies over 17,000 sq. kms. On page 1171, line 20 of the BCUC transcripts, the utility's engineer takes exception to me saying they will cover 17,000 sq. Km. On page 1172 he confirms the 17,000 sq. km of their coverage area.

[http://www.thermoguy.com/pdfs/Fortis BC AMI Vol 6.pdf](http://www.thermoguy.com/pdfs/Fortis_BC_AMI_Vol_6.pdf)

My cross examination begins on page 104 and it was frustrating to see experts try to dismiss science to support a flawed report on safety. They were pinned down on important key issues for causation and biological plausibility. On page 1112, line 24 their electrical engineer states it would be his duty to revise the report if it missed information. The Canadian Nuclear Safety Commission should insist Scholnikov provide the revised report. Page 1116, line 4 Scholnikov as an electrical engineer confirms the FCC, Canada as well as other agencies use the same science and that the SAR is a dosage of electromagnetic radiation.

On page 1141 of the cross examination of Dr. Bailey confirms the electricity of the body. On line 10, I ask how many frequencies associated with a human organism. Line 14 he confirms he doesn't know where that information is. Keep reading and he confirms the electrical information associated with biology isn't in their Exponent Report.

The health and adverse health effects are included in this document because of their importance to nuclear safety. The electromagnetic induction inside facilities will adversely affect the health of people in or visiting the facilities.

It was confirmed at FortisBC's application how wireless smart meters moved forward without consultation. The BC Legislature "entrusted" BC Hydro as "experts" to install smart meters and the grid. BC Hydro received special consideration to bypass all regulatory process and the horror story started. Utilities have the right to work on meters but it has to be done properly. They did not have the right to deploy antennas and wireless infrastructure to electromagnetically radiate municipalities, agriculture and large coverage areas per utility. Buildings, infrastructure, crops, trees, biology, pollinators, etc are not designed for it.

Magnetic, RF EMF and even solar EMFs interacting with buildings can be seen with advanced infrared applications. The exterior colour of buildings can change the interaction of solar EMFs where we have documented generated heat on building development close to boiling temperature. That in itself causes buildings to grossly exceed climatic data supplied through building code by Environment Canada. Here is evidence at the BCUC website for the FortisBC application for smart meters showing massive energy waste that couldn't be seen before. Shade, paint or mitigating technologies would limit solar EMF exposure and knock the energy waste off the grid immediately where wireless smart meters will not address it. http://www.bcuc.com/Documents/Proceedings/2012/DOC_32604_C19-6_WKCC-Submission-RDCK-Nelson-Creston_Suspension.pdf

Neither engineers, education, insurers or municipalities were told their building designs were being affected and they aren't insured for it. It is critically important the commission allow this information to be presented and all applicable questions by the commission be answered.

Sincerely,

Curtis Bennett
Chief Science Officer
Interprovincial Journeyman Electrician(Red Seal)
Engineering Technologist
Adjunct Faculty for IHF & GEDI
33 Year Advanced Thermography Background
www.thermoguy.com
curtis@thermoguy.com
Ph: 604-239-2694