

EMF evidence stands up in court: pig farmer (TENLEC) vs. Hydro Quebec

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Part II **Tribunal administratif de Québec (TAQ)**, a court hearing in Granby, PQ, took place September 19-23, 2011. As an expert witness, Dr. Andrew Michrowski of the Planetary Association for Clean Energy (PACE) was there from Monday to Thursday, and the final legal statements were made Friday.

Under cross-examination, **Hydro Québec** representatives admitted that they had measuring equipment of the highest sensitivity, and their readings confirmed the ones taken by PACE. However, they had never reported their findings. Hydro Quebec's measurements showed not only harmonics content, but also other emissions into the radio frequency range along the transmission line.

So, electromagnetic monitoring data that Dr. Michrowski submitted on behalf of the organic pig farmer (Tenlec) was publicly confirmed by the technical personnel of Hydro Quebec itself, a fact not known until counsel Charles O'Brien embarked on this direction of questioning during the hearings.

Under instruction from TAQ, Hydro Québec produced transmission data for a day in June 2011 during which PACE had conducted a series of readings. Though this was delivered to the court only minutes before he was called to take the stand, the expert witness was able to decipher the technical data and to explain to the court how the utility's technical data explained the surges and EMF/RF frequencies on the lines.

In many locations on the property over a period of many hours — read with the new instruments — the anomalies noted by PACE corresponded with variations of transfer of electric power that Hydro Quebec conducted during that 24 hour-period.

While travelling back to Ottawa, Dr. Michrowski took measurements on the highway and detected similar anomalies that day on another HV transmission line, which runs south from Lagrande, James Bay, and crosses Autoroute 20 near Rigaud. That line carries power to the Beauharnois generation site (and the West part of Montreal Island), and from there to US New England state clients.

In the testimony concerning this new information from HQ, Michrowski pointed out that their measurements — plus the studies that they have endorsed (carried out by or with **Health Canada**), and the information that they give Quebec farmers (i.e. at 1 Volt/metre (also 1 Volt) + pulses — bone, tissue and nerves of animals are affected.

NB: this fact of electrical interaction with living tissue is the basis of bone and wound repair for thousands of veterans in US and Canada. This observation and the protocols based on it were developed into a healing technique by the Nobel nominee, and PACE associate, Dr. Prof. **Robert O. Becker**.

By Hydro Quebec's own admission, then, the biologically significant conditions exist at the Tenlec farm: electric and magnetic fields and pulses.

In their final arguments they thus raised the "emprise" (right-of-way) to 90 metres from edge of transmission cables, instead of only weighing compensation for the areas occupied by the pylon foundations of the high-voltage (HV) line.



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Notes by Mary-Sue Haliburton

All Notes

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The value for compensation has thus risen dramatically. The analysis done by PACE and supported by astute questioning of the lawyer, Mr. O'Brien, has therefore served to bring the court's attention and enlarged understanding to the issue of harm caused by electromagnetic factors. The new consideration before the court is that a 90 meter and a 250 meter zone of expropriation will be required.

If this is the court's final decision, it would result in sufficient compensation to allow this 4th-generation organic farmer to continue his business, without further harm to his livestock and livelihood.

The Quebec court is expected to render its decision in the next few months.

This case is very important in that it puts into the public record, through the court testimony and expert data and analysis, the harm caused by EMF. So even if all that the farmer is asking for is not granted, every future case will be able to quote this data, thus strengthening their similar cases of frequency fluctuations harming living beings — whether animal or human.

The Planetary Association for Clean Energy is a non-profit "Learned Society" with professional members in many countries. They are engineers, physicists, doctors and university professors dedicated to improving science in the area of health and clean energy. This scientific organization funded only by membership fees, donations and occasionally some contracts to do research. (PACE is not funded by the oil industry nor by other major private-sector interests, nor by governments.)

Because the members are involved in leading-edge research, there is often little or no published information, and certainly nothing in the mainstream press. So far, this "note" is the only published mention online of this important legal case."

As for peer review, few others have the background even to understand what they are studying and in industry-controlled journals the "peers" serve as gatekeepers to prevent new-paradigm studies from being funded or published.

Within the PACE network, meetings and long-distance consultations, sharing updates and experimental data, etc. enable them to support each other in exploring the new frontiers of physics, ecology, etc. where they are concentrating their efforts.

On a related subject, **EMF/microwaves/RF is harmful not only to living creatures but also to hard materials and infrastructure.**

Dr. Michrowski writes:

"I came across this during a survey for a legal case involving a brand-new underground electric distribution system + gas + optoelectronic network + water + sewage in a "high-tech" tourist-promotion downtown upgrade of rue Principal in Sutton, Eastern Townships, Quebec. In that urban-development district, some sewer tops (manhole covers) were **rapidly rusting — or, more accurately, "shrinking" — in a strange non-rust-like colour.**

Instead of the familiar reddish-brown of oxidized iron, the surface was turning yellow (with spots) then orange.

"I was able to obtain the power density data. At the wireless technology bandwidth the phenomenon became pronounced: in a few months the equivalent of 1 to 2 decades of traditional rust-corrosion was occurring.

"Then, as a presenter at the **National Association of Corrosion Engineers (NACE)** international meeting in Ottawa, I attended a series of thesis presentations by several teams of University of Waterloo students who were reporting a new type of corrosion. Their

observations were taken at the **Chalk River** nuclear reactor (**Atomic Energy of Canada Limited**, the world's largest research reactor and one of the first to be built). It had been in good maintenance for decades — until recently.

"The doctoral students examined [the Chalk River nuclear plant] with special (and extremely expensive) spectroscopy equipment.

"Their data revealed a **linearly frequency-dependent, electron-stripping process that is so accelerated that there is no time available for oxidation** (normal, red-brown rusting) to occur. This new corrosion phenomenon follows a fractal geometry pattern (branching out after each penetration-stripping), rather than progressing layer by layer.

"This new branching degenerative phenomenon is designated "Pit Corrosion". (It's also been nicknamed "Tora Bora" corrosion, on the analogy of the multi-directional caves which the Taliban dug in the Afghan mountains, in order to confuse intruders.)

"When downtown Ottawa underwent extensive, national-security-related laying of communication systems — optoelectronic cables with nuclear-coating and with high bps count — I noticed which manhole covers (including brand new ones) were yellowing away in a similar manner to that described above. These were in near-fields of the

"environmental/background level" power density, equivalent to what was noted in Sutton, Quebec.

"Even without the use of sophisticated meters, you can now observe across the landscape — where there is significant presence of background microwave emissions — reinforced concrete sidewalks, bridges, and building foundations being 'eaten away'. Weakened window frames, popping panes and so on, are occurring.

"Adding to the overload are more wireless gadgets: so-called **SMART** meters, often communication-deficient **D.E.C.T.** (radiofrequency or "cordless" phones), colour-TV cellphones, Wi-Fi tablets, and other bandwidth-hungry wireless devices.

"Meanwhile Canadian municipalities express alarm, getting up-in-arms over the extraordinary new maintenance expenditures — many billions of dollars (trillions for their US colleagues) — which they face trying to maintain the provision of essential services. The infrastructure is corroding away thousands of times faster than planners expected their amortization plans to cover."

Regarding membership (<http://pacenet.homestead.com>), the cost is a basic \$50; more for other types, and/or donations. PACE can issue a tax deductible receipt in both Canada and the U.S., and in some other countries.




Example of corrosion by "electron stripping" in Cleveland nuclear plant.

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