

HEADS IN THE SAND, PIES IN THE SKY

Health Canada denies the proven dangers of microwave radiation*



**from WiFi, cell phones, cordless phones, smart meters etc*

A REALITY CHECK BY OLGA SHEEAN

7 November 2016

To: Canadian Minister of Health, Dr Philpott and Members of the Standing Committee on Health (HESA)

Dear people:

I cannot call you *honourable*. You have dismissed us, ignored us and betrayed us. You have failed utterly in your sworn duty to protect our health and safety and have, instead, knowingly exposed us to increasing harm. You are not worthy of your office or of our support.

Stephen Harper must be laughing himself silly. Here you are, perpetuating many of the illegalities he sanctioned, while failing to regulate the wireless industry to which he gave free rein, yet claiming to be diligently evaluating the appropriate scientific literature. Of course, that's not the same as *acting* on it, which you are clearly not doing.

Protecting the health of Canadians and their environment is a core function of the government, according to Minister Philpott. Of course it is, but what are you *doing* about it? This is just one of many empty, meaningless statements with zero action to back it up.

The following response to your position on wireless radiation documents the adverse effects and other important data. Personally, I need no such proof, having been seriously harmed and forced to leave my home in Vancouver because of the inescapable microwave radiation.

In June 2016, I submitted a 25-page report ([NO SAFE PLACE](#)) to Gregor Robertson and Justin Trudeau et al, but never received a response or even an acknowledgement. I have also written repeatedly to BC Hydro and submitted 20 questions to their legal team regarding the serious harm caused by this Crown corporation, which is accountable to the public. Yet my concerns have never been addressed and none of my questions have been answered. This material was also sent to both Minister Bennett and Minister Morris, neither of whom replied.

This is unacceptable from public officials who are accountable to us, the public. We should not have to protect ourselves from our own government or remind you to do the job you were elected to do—protect our health and safety rather than supporting an industry that is knowingly doing us harm.

You have refused to accept, acknowledge or act upon the scientific evidence of the harm caused by wireless radiation, but you will soon be forced to do so. Continue to deny and distort the facts, and you will create the most costly epidemic of illness ever. It will require guts and integrity to admit your negligence and tackle the problem now, before it escalates out of control.

The body always wins ...and more and more bodies across Canada are reacting to the radiation, whether you admit it or not. Everyone has their tipping point, and denial can be deadly.

Get a grip, people. This cannot go on.

I would appreciate a timely response to my questions.

Sincerely,

Olga Sheean

RESPONSE TO HEALTH CANADA'S UNSCIENTIFIC DENIAL OF THE PROVEN HARMFUL BIO-EFFECTS OF WIRELESS RADIATION

You claim that:

**1 current measures on radiofrequency (RF) electromagnetic fields (EMFs)
protect our most vulnerable**

Millions of Canadians have already been harmed by the inhuman levels of microwave radiation being pumped into their environment by government-sanctioned industry. Having had a life-threatening acoustic neuroma caused by this radiation, I need no further proof of its harmful effects, even though such evidence has been provided many thousands of times over, by solid, peer-reviewed scientific studies. The reality is that **no such protection is provided—nor can it possibly be provided—given the ever-increasing levels and the uncontrollable, unquantifiable nature of RF/microwave radiation in our environment**, not to mention the innumerable wireless devices generating their own strong, overlapping signals in all public places.

QUESTIONS:

- (i) How can you ever determine the safe level of RF radiation anywhere, at any time, if you don't know how many devices are being used or at what signal strength?
- (ii) What is the current level of RF radiation downtown, in public libraries, in hospitals, and in multi-dwelling residences with multiple WiFi routers, cell phones and other wireless devices generating their own strong signals?
- (iii) How can you claim to be protecting me when I get a brain tumour from the inescapable government-approved microwave radiation in our environment?

Your claims of protection are a sham, given the serious harm caused by RF/microwave radiation—scientifically proven in the early 1920s to be harmful to all forms of life.

2 Safety Code 6 (SC6) human exposure limits are designed to provide protection for all age groups

Safety Code 6 is an insult to humans everywhere. Based on a plastic head filled with fluid, and a cell phone (not connected to a network) held close to it, it has no relevance for living human beings. **It does not take into account the non-thermal bio-effects proven to damage our health**, or even the difference in susceptibility of babies, children and adults of varying constitutions/tolerances. Nonetheless, claiming that your exposure limits are *designed* to provide protection is pure semantics and utterly meaningless. It implies that the current science from DNA studies etc has been applied to the determination of Health Canada's guidelines. Yet there is *no design* to protect us from the DNA damage documented in over 40 studies, from the reproductive-organ damage documented in dozens of studies, or from the oxidative stress documented in hundreds of studies.

QUESTIONS:

- (i) We only need safety guidelines to protect us from something dangerous. Since microwave radiation cannot be contained, given its dispersive, uncontrollable, unquantifiable and highly penetrative nature, what good are your guidelines?
- (ii) What is your rationale for how non-thermal effects (such as DNA damage) have been incorporated into the design of Safety Code 6?
- (iii) How do you justify omitting over 140 relevant scientific studies from your latest update?¹
- (iv) Which DNA studies has Health Canada examined and, of those showing effects below SC6 levels, why are they not considered to be credible or convincing enough to be incorporated?

“Our environment currently has about 10 billion times more RF radiation than it did in the 60s. If this environment is safe, we’re talking about 15,000–25,000 papers—in peer-reviewed scientific journals—all being wrong. That has never happened before.”

—Professor Olle Johansson, Swedish neurologist
specializing in EMF bio-effects

¹ In its analysis of the scientific aspects of Health Canada's latest update, Canadians for Safe Technology (C4ST) discovered that at least 140 relevant scientific studies were omitted—studies showing immediate health effects, long-term consequences such as cancer, and impairment of young and old, due to wireless radiation. See <http://bit.ly/2dNnyI2>

3 based on a thorough review of all available data, it is Health Canada's position that there are no established adverse health effects at levels below the limits outlined in Safety Code 6

Given the many thousands of scientific papers confirming the harm caused by RF and other forms of electromagnetic radiation,² not to mention the 20–25 new studies published monthly, it is indefensible to state that there are no established effects. In fact, the “established” effects you refer to apply ONLY to thermal effects (heating) and the determinations for “all ages” under “all conditions” have been made on non-living models for heating and nothing else. It may be your position that there are no ‘*established*’ adverse health effects, but this doesn’t mean that there *aren’t*. Clever wording and semantics will never excuse or justify your reckless endangerment of the public.

**We should not have to fight for protection
from our own government.**

It is physically and logically IMPOSSIBLE for you or anyone to track, measure, monitor or contain the escalating levels of microwave radiation, in any given public environment, at any given time. With an unknown and constantly changing number, range and potency of wireless devices in use in any public place, you have absolutely no way of knowing what the levels are or how much the overlapping wireless fields magnify signal strength and impact, and you therefore **cannot possibly provide standards for protecting anyone, let alone all age groups.**

QUESTION:

How many peer-reviewed scientific studies confirming harm would be sufficient? Would 23,753 be enough?³ If not, why not? How many more people must be harmed/die before you act?

4 in the case of electromagnetic radiation, Health Canada carefully tracks developments in the scientific literature—in particular, studies in relation to adverse health impacts

Claiming to track developments in the scientific literature is utterly meaningless and further evidence of artful dodging and clever semantics. It is clear to any intelligent person that *tracking the literature* and *acting on it* are two completely different things.

QUESTION:

Can you provide a list of all the peer-reviewed scientific literature that you studied in order to arrive at your astonishingly uninformed conclusion that the health of all Canadians is protected *if there is no heating involved when someone is exposed to RF radiation?*

2 <https://www.emf-portal.org/en>

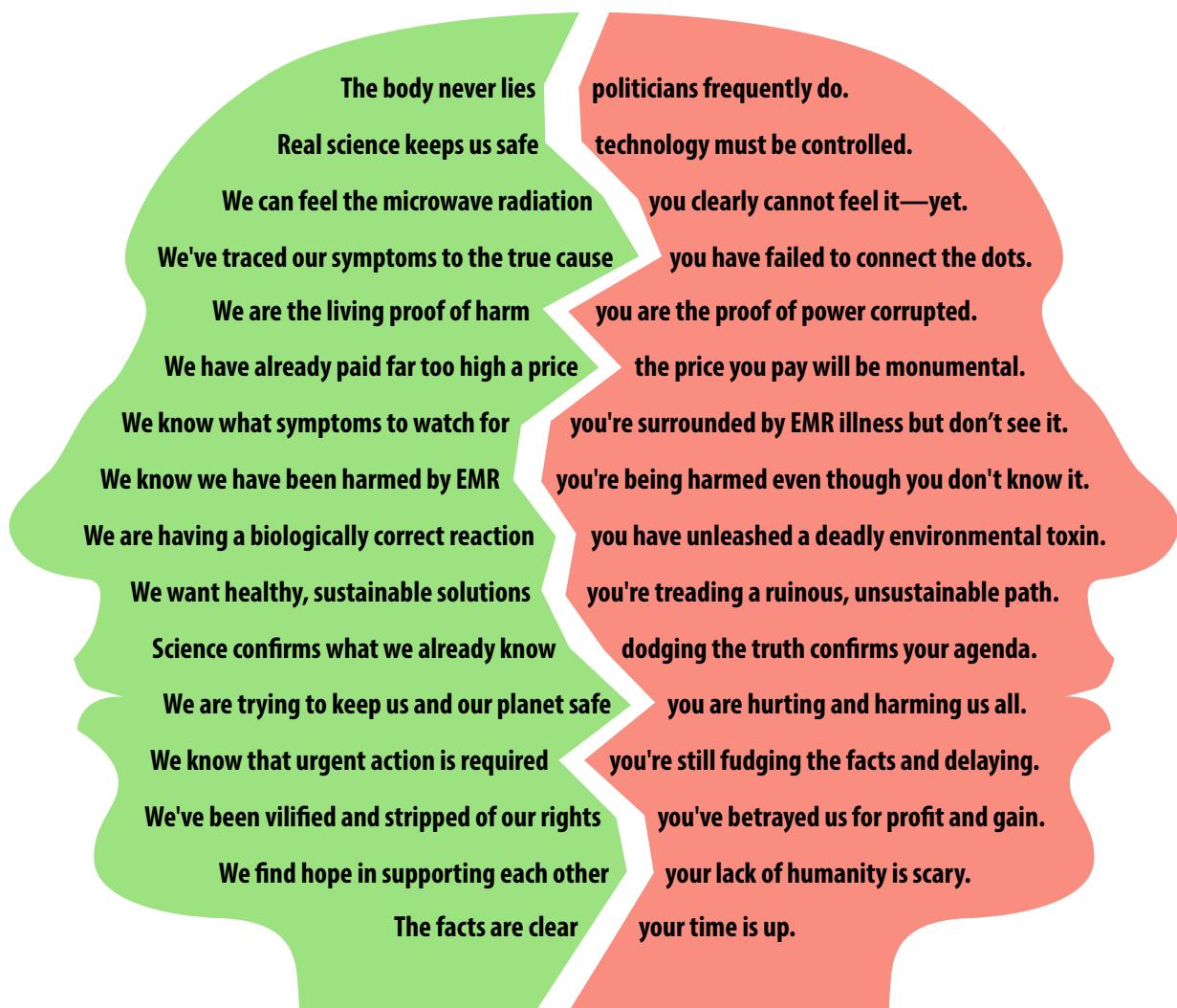
3 <https://www.emf-portal.org/en> —a database of peer-reviewed scientific publications on the effects of electromagnetic fields (EMFs)—currently has 23,748 such studies on file (as of 29 October 2016), with more being added every day.

HUMAN RIGHTS AND GOVERNMENT WRONGDOINGS

- Countless Canadians are being harmed by the escalating EMR in their environment. I am one of them, and I have personally connected with numerous others experiencing adverse effects, as well as many vast networks of sufferers seeking help and support.
- Doctors are reporting an increasing incidence of electro-sensitivity due to RF/microwave radiation from wireless devices. Many of these doctors (such as world-renowned specialists Dr Erica Mallory-Blythe and Dr Dietrich Klinghardt) have hundreds of patients with EHS.
- Some of those with severe electro-sensitivity are dying. Others are taking their own lives as living with microwave radiation has become so intolerable.

YET YOU ARE DOING NOTHING.

A TWO-FACED REALITY



The undeniable realities of our radiation-riddled environment

One of the nice things about *real* science is that, when appropriately applied, it makes sense of things and helps us to understand how things work; it provides us with a solid, fact-based foundation and a better awareness of the laws of physics and nature that govern our existence; and it enables us to make informed choices that are healthy and sustainable for people and the planet, while protecting physical infrastructures, the economy and our essential humanity. **We disregard it at our peril.**

Prime Minister Justin Trudeau claims that government is *listening to Canadians*. But you're not listening, you're *deliberately MISLEADING* us. **It doesn't matter how much irrefutable scientific evidence is presented to you; you will continue to deny and distort the facts for political reasons**, because to do otherwise would result in huge financial losses for the wireless industries you endorse, and such massive and crippling lawsuits that the economy and the government itself could collapse. Your position is one of intentional ignorance and transparently willful blindness.

Service-providers asked about the measures they take to ensure electromagnetic radiation (EMR)-related safety, confirm that no such measures are possible or even attempted by them. For example:

- **BC Ferries** admits that it never tests the levels of RF EMFs on its vessels. How, then, can it claim to be abiding by Health Canada's guidelines? Along with countless others, I have tested the levels using an RF meter, and they are far too high for humans of any age.
- **Air Canada** has likewise admitted in writing that it never tests the RF EMFs on board and has no way of knowing what those levels might be, at any time, on any given flight.
- **BC Hydro** never tests the extremely damaging levels of microwave radiation penetrating homes and bodies everywhere, and does not even test its own RF-emitting smart meters.

The same is true for every other government-sanctioned service-provider.

THERE IS NO PROTECTION FROM WIRELESS RADIATION.

THERE IS NO MONITORING OR TESTING OF EMF LEVELS.

THERE ARE NO LIMITS TO THE RADIATION EMITTED.

THERE IS NO ESCAPE OR ANY WAY TO PROTECT ONE'S OWN HEALTH.

THERE IS NO SAFETY OR RESPECT FOR INDIVIDUAL CHOICES.

If you continue to deny the scientifically proven bio-effects of non-ionizing RF/microwave radiation in our environment (to which all Canadians are being subjected, without their informed consent and beyond their control), constituting **criminal negligence, reckless endangerment, violation of countless human/constitutional rights and an unconscionable dereliction of your sworn duty** as elected public officials, you will pay the price. Your claims of due diligence, ongoing research, protection of public safety etc are so transparently self-serving that they make a mockery of evidence-based decision-making. Your claim that thermally-based SC6 is protective is a political travesty of unprecedented proportion, and a disgrace to your public office, tasked as you are with protecting our health.

As the incidence of EMR-induced ill-health explodes out of control, healthcare and other infrastructures will soon be overwhelmed, pension funds will run dry, more teachers will resign or be incapacitated, children will suffer irreversible biological effects, hospitals will be overrun, mortgages will go unpaid, and the government itself will be brought to its knees by a multitude of lawsuits.

We—the rapidly growing number of individuals harmed by your unconscionable disregard for public health and safety—hold you personally responsible and accountable. Our numbers will soon reach politically relevant levels that you can no longer ignore.

Health Minister Philpott's claim that "*There is no scientific evidence of health effects*" from cell phones or WiFi is so **ludicrously indefensible and scientifically unfounded** that I suspect she may secretly believe the Earth is flat. I therefore suggest that she head east and keep walking, for a very long time, so she can confirm, first hand, the rotund nature of our planet and gain first-hand awareness of the merits of established scientific fact. At the same time (thanks to her absence), she will be protecting Canadians from further harm due to her mind-boggling ignorance and denial.

In this, of course, she is not alone, and like-minded members of government should join her on this walk. After all, the **ongoing, unchecked, unregulated roll-out, scale-up and proliferation of harmful wireless technologies is only possible thanks to your collective, complicit collusion and your continued corruption of the truth.**

How DARE you debate, deny and distort the science while we are being progressively harmed. It's your job to protect our health, not support the industry that's knowingly causing us harm.

THE HALLMARKS OF INHUMANITY

If you are aware of what you're doing (which you must be); if you are willfully, knowingly harming people (which you are); if such harm has been found and reported to you yet you have failed to act (which you have); if causation and proven bio-effects from non-ionizing, non-thermal radiation have been found and reported to you (which they have); if you sanction and intentionally side with the offending industries (which you do); if you are knowingly violating our constitutional and human rights (which you are); if you continue to deny, distort and lie about the scientific facts (which you do); if you do not advise Canadians of the proven dangers (which you don't); if you deliberately commit acts (or sanction such acts via industry) that affect the entire population (which you do); and if you are united as a government in your self-serving disregard for solid science and public health (which you appear to be), then no further evidence is required.

You are guilty of crimes against humanity.

It's not the *science* that's in doubt and must be proven valid.

It is YOU, our government.

Just one of the countless Canadians being harmed:

I am a real person of above-average intelligence, with a normal brain, body and nervous system, having a *biologically correct reaction to an invasive, toxic, manmade, government-sanctioned, scientifically-proven environmental threat*, whose rights have been violated by your unconscionable dereliction of your duty to protect those you serve and by your heinous disregard for life itself.

I have been seriously, irreversibly harmed by the inescapable RF radiation in my environment, which culminated in a life-threatening brain tumour. Government negligence, ignorance and denial have cost me my health, hearing, home, savings, career, social life, friendships, access to healthcare and social services, ability to travel to visit family in Europe, and some of the best years of my life.

**GIVE ME ONE GOOD REASON WHY I SHOULD PATIENTLY
WAIT FOR YOU TO COME TO YOUR SENSES.**

A SNAPSHOT OF THE **REAL** SCIENCE ON WIRELESS RADIATION

**We know that you know we are being harmed by wireless radiation.
We know that you know that we know.**

Nonetheless, for the record, so that you cannot claim ignorance of the facts, here is yet more evidence of the proven harm from EMR, with additional data contained in the attached 25-page report that I submitted to provincial and federal government, ministers and MPs in June 2016 and to which I have not received a single response or even an acknowledgement:

1. In 2015, **190 scientists from 39 nations** appealed to the United Nations to urgently address the widespread harm being caused by EMFs proven to “**affect living organisms at levels well below most international and national guidelines**”, resulting in “increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans.⁴
2. Numerous scientific studies confirm that significant bio-effects occur at levels of non-thermal radiation that governments and industry tell us are safe because the radiation is too weak to cause significant heating. This is the *only* criterion used to assess safety. But, as Dr Andrew Goldsworthy explains, the **direct electrical effect on our cells, organs and tissues does far more damage at to us at levels that may be hundreds or thousands of times lower than those that cause significant heating.**⁵ Yet we are not protected from these harmful non-thermal effects.
3. The 2012 *Bioinitiative Report* (compiled by 29 independent scientists, doctors and health experts from around the world), reports the bio-effects and adverse health effects of EMR and wireless technologies, confirming their **deleterious impact on countless aspects of our physiology.**⁶
4. A \$25m study, funded by the US government and carried out by the National Toxicology Program (NTP), reported that brain tumours (**gliomas**) and **malignant Schwann cell tumours of the heart can and do result from RF/microwave exposure.**⁷ These are the same cancers that were found in people in Dr Lennart Hardell’s epidemiological studies.
5. World-renowned medical doctors, physicists, biologists and other experts (such as Dr Erica Mallory-Blythe, Dr Dietrich Klinghardt, Prof. Trevor Marshall, Dr Martin Pall, Dr Neil Cherry, Dr Magda Havas, Dr Joel Moskowitz, Dr Zory Glaser, Dr Martin Blank, Dr Devra Davis⁸, Dr Dominique Belpomme, Dr Olle Johansson, Dr Ronald Powell, Dr Robert Becker, Dr Anthony Miller⁹ et al) have **confirmed the adverse bio-effects of EMR** and (in most cases) the very real physical nature of electromagnetic hypersensitivity (EHS).

4 <https://www.emfscientist.org/>

5 http://www.bibliotecapleyades.net/scalar_tech/esp_scalartech_cellphonesmicrowave44.htm
& <http://bit.ly/2eyNfNL>

6 www.bioinitiative.org

7 <http://ehtrust.org/cell-phone-radiofrequency-radiation-study/>, <http://goo.gl/eN6hKo>

8 <http://ehtrust.org/?s=EMR>

9 <https://youtu.be/wARxnaxrRKk>

6. Based on current trends and data from Austria, Germany, the UK, Ireland, Sweden, Switzerland and the US, as reported in 2006 by Hallberg and Oberfeld in Electromagnetic Biology and Medicine, **50% of the population is expected to become electro-sensitive by the year 2017.**¹⁰
7. Marg Friesen, MSc, a retired federal government biologist and an expert in conducting literature searches, has documented **50 peer-reviewed studies showing harm from WiFi frequencies at or below Health Canada's guidelines** for safe human exposure. This is the same frequency used in our schools and to which students—and teachers—are being exposed throughout the day, the whole school year long.¹¹
8. Canadians for Safe Technology has identified 63 scientific studies—published between 2015 and mid-2016 alone—reporting the **bio-effects of RF/microwave radiation at or below Safety Code 6 (2015) limits:** biochemical and DNA damage, cognitive impairment, depression, insomnia, kidney damage, electro-sensitivity, oxidative stress, damage to developing brain and organs, as well as damage to nerves, immune function, glands, sperm and offspring.¹² The NTP study also documented DNA damage in brain tissue.
9. In 2011, **WHO categorized RF/microwave radiation as a Class 2B possible carcinogen**¹³—and it would have gone even further had it had the NTP study results. It will soon be forced to further revise its position, as many scientists/doctors are urgently calling for this classification to be changed to a Class 2A—probable carcinogen. Dr Hardell, among others, is calling for a Class 1 known carcinogen designation.
10. Dr Michael Repacholi, who headed the WHO EMF Project until 2006, has been found to favour the wireless industry at the expense of public health.¹⁴ He was also a co-author of the first Safety Code 6 (1979) and former chair of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).
11. The ICNIRP produces guidelines developed by a self-selected group of industry insiders, which have been criticized as non-protective. Dr Joel Moskowitz, University of California, Berkeley, says: “ICNIRP guidelines set exposure standards for high-intensity, short-term, tissue-heating thresholds. **These do not protect us from the low-intensity, chronic exposures common today.**”
12. It is utterly indefensible to claim that RF/microwave radiation is harmless since we've known for decades that it is harmful. **Microwave radar technology was developed during World War II, and RF/microwave radiation has been used as a military weapon since the 1950s.**¹⁵
13. Barrie Trower, a British physicist who specialized in microwave warfare for the Royal Navy and the British Secret Service in the 1960s, recounts how the British Government irradiated certain Catholic populations in Northern Ireland to reduce their ability to fight back.¹⁶

10 http://www.next-up.org/pdf/EHS2006_HallbergOberfeld.pdf

11 <http://c4st.org/wi-fi-in-canadian-schools-a-health-and-safety-issue/>

12 <http://bit.ly/2esjKsr>

13 http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf

14 <http://microwavenews.com/CT.html>

15 <http://adst.org/2013/09/microwaving-embassy-moscow-another-perspective/>

16 https://www.youtube.com/watch?v=z99_SzoXZdY

14. The **wireless telecommunications industry** knows full well the serious harm it is causing, and **has itself filed patents documenting the adverse biological effects of its own technology.**¹⁷
15. Just like the cigarette industry, the wireless telecommunications industry has invested millions of dollars in studies designed to **purposely and intentionally create doubt and confusion** among the public, including ‘war gaming’ the scientific evidence.^{18,19}
16. Industry/government **misinformation, lies and deliberately misleading claims** about RF/cell phone radiation being ‘safe’ have been **soundly debunked and exposed** by independent scientists as the public relations delaying tactics and confusion-creating ploys that they are.²⁰
17. Any claims of ‘no direct causal link’ between EMR and bio-effects are usually industry-funded. If any link is found, the findings are subsequently distorted, shown to contain errors or bias and/or to be lacking in the appropriate scientific approach, and suppressed or buried by the industry.²¹
18. The dramatic changes that have occurred in the electromagnetic profile of the planet are resulting in **“genetic mutation, biological dysfunction and disease”**.²²
19. Dr Ronald Powell, retired US-government physicist and Harvard scientist, documents the biomedical evidence confirming the many adverse health effects of wireless technologies.²³
20. Electromagnetic hypersensitivity (EHS) is recognized as a disability by the Canadian Human Rights Commission, by Sweden (which recognizes EHS as a functional disability) and by many other countries. **EHS, by definition, confirms that EMR has a physical effect on humans.**
21. Like countless others affected by EMR, I use an RF meter to detect and locate the sources of RF/microwave radiation in our environment, and the **levels are FAR higher than could ever be considered healthy for any human being**. In fact, given the adverse effect on human cells from even tiny amounts of radiation, **there can be NO safe level of exposure for humans.**
22. Dr Ted Litovitz, a prominent bio-electromagnetics research scientist, has shown that there can be biological effects at levels that are 76,000 times lower than the standards set by government agencies. “With EMFs, information is sent to the cell, causing it to do things it wouldn’t normally do. You don’t have to heat it, just stimulate it with an electromagnetic field. DNA strands break when exposed to EMF radiation.”²⁴
23. In 2003, when I was working for **WHO in Geneva, the Director General Dr Gro Harlem Brundtland, MD, MPH, resigned after developing electromagnetic hypersensitivity (EHS)**, saying cell phone radiation was making her ill and stating that “research shows deleterious effects” due to cell phones and other wireless devices.

17 <http://bit.ly/1OQbG4V>

18 ibid

19 <https://www.rfsafe.com/wp-content/uploads/2014/06/cell-phone-radiation-war-gaming-memo.pdf>

20 <http://ehtrust.org/science/science-skeptics-myth-versus-fact-cell-phones-wi-fi/>

21 *Overpowered—what science tells us about the dangers of cell phone and other Wi-Fi-age devices*, pp107–153

22 ibid, p241

23 <https://www.scribd.com/user/300269936/Ronald-M-Powell-Ph-D>

24 <https://www.youtube.com/watch?v=6lAFbQqyVio>: see minute 3.40 and minute 9 of video

As a physician who has specialized in the area of environmental health for over 20 years, I am mortified at the lack of accountability regarding radio and microwave radiation use in the everyday lives of Canadians [and] I am appalled by the poor, impractical and unrealistic research done in this area and the lack of proper, relevant investigations.²⁵

—Dr Riina Bray, MD, BASc, MSc, FCFP, MHSc

Regardless of the vast body of scientific evidence, it all boils down to two simple issues:

1. Your denial of the facts constitutes reckless endangerment, criminal negligence, and an egregious dereliction of your duty to protect the health and safety of Canadians. The fact that millions are being harmed won't change just because you deny this reality, and siding with industry while dodging responsibility for the harm you're knowingly causing further compounds your guilt.
2. Given the invisible, pervasive, uncontrollable, unquantifiable, ever-changing, escalating and highly penetrative nature of RF/microwave radiation, emitted concurrently from an unknowable number and potency of wireless devices, it is physically and logically impossible to assess, monitor, measure or limit it or to protect people from it. The supposedly safe levels given in SC6 are therefore totally irrelevant and unenforceable. They cannot—and, in reality, *do not*—provide protection for anyone.

“To carry out compulsory mass exposure to pulsed microwave radiation, without the fully informed consent of the people affected, is in contravention of the Nuremberg Code.”

—Dr Andrew Goldsworthy

²⁵ <http://bit.ly/2ezcP3v>