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Dr. Paul Demers,
Chair of the Royal Society of Canada's Expert Panel Reviewing Safety Code 6
c/o Russel MacDonald

I have hesitated in sending any comments to this panel as I am aware that most positions are already well represented. I have only one argument to add in favor of the principle of precaution.

There is great discussion, including inside the Code 6 itself, about the “weight of the evidence” leading to the conclusion that there is NO health problem with EMF non-ionizing radiation. However, according to established scientific research principles, an ABSOLUTE position may not be taken without “unanimity” of researched opinion. In the present case there are many valid studies that do indicate that non-ionizing radiation does have a metabolic effect on human cells. The “weight of the evidence” can dictate much in the way of actions, but does not permit excluding the possibility that as with all allergies, some percentage of the population can be seriously affected by these proven metabolic reactions. Without “unanimity” in the proof, there should not be totally unrestrained broadcasting of these fields.

Leaning simply on one single very strong six year research project undertaken here in Canada at the McGill University/ Royal Victoria Hospital InVitro laboratory by Drs Héroux and Li, there is solid proof that very low level non-ionizing radiation does consistently cause chromosome contractions in human cells. This does not define the thresholds or limits of health problems, but it does establish that there are real and consistent metabolic effects and hence the necessity for precautions and further research relating to non-ionizing radiation and human metabolism before unlimited expansion of these increasingly omnipresent EMFs are permitted.

Reference the peer review journal – Informa Health Care August 2013:
<http://informahealthcare.com/doi/abs/10.3109/15368378.2013.817334>

and a simplified summary and focus: <http://joneakes.com/jons-fixit-database/2215>

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