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ONTARIO ENERGY BOARD

FROM - GORDON M. MACKAY

RA#1 Embro

ONT. NO 3130

Kristen Walli  
Board Secretary  
Ont. Energy Board

Re - Stray Voltage File # EB-2007-0709

I am a dairy farmer and my family have struggled with stray voltage over many years. Discussions with Ont. Hydro Representatives, our local Electrician and O.M.A.F. officials at the farm felt .5 was a level we could work with. With the help of stray voltage filters and copper wire & grids in the floor, in the new parlour we were able to accomplish this.

I was surprised to hear recently that Ont. distributors are now trying to tell us 10 volts is allowable. In the U.S. at least 4 states have a regulatory board that only allow .5 Volts. There is a reason for this.

Articles on stray voltage suggest the neutral should be 2.5 times the diameter of the live wire to adequately complete the circuit back to the generating station. It appears distributors are using ground rods to carry the excess current.

Personal experience tells me that .5 and above will definitely compromise milk production and reproduction. I feel distributors should be made accountable to correct the problems they have created.

Yours Sincerely Gordon M. Mackay