

Dear Sir,

Allow me to introduce myself my name is Paul Thompson I reside in the township of Amaranth in the County of Dufferin in the province of Ontario Canada and I have lived for 5 years (on February 16 2011) with a "Commercial Electrical Substation" (T/S) energized 360 meters (1,181 feet) from my home which provides the provincial grid connection for a 199.5 Mega Watt (MW) industrial wind turbine facility. I was born on this "97 acre more or less" rural property 47 years ago and severed off a 1 acre parcel in 1989 and built my current home from the ground up.

I have included excerpts from my daily diary in an attempt to help demonstrate to you the adverse effects imposed on my body by this installation. I have been renting other accommodations to sleep in at night since May 1<sup>st</sup> 2009 and driving to and from daily thereby increasing substantially the financial encumbrance and wear and tear on my vehicle and on my person.

I have been to my family doctor and have exhausted the headache, tinnitus testing regimen of my physician including a MRI, CT scan, neurologist and a pain management clinic, etc. The conclusion reached by the medical profession after all of these tests seems to be that the problem is not with me. The "pain management clinician" told me "this is my shortest diagnosis ever, you already know what the problem is, what are going to do move out"? Therefore the only conclusion I can reach is that it must be the environment I live in. The only change in the environment I live in since my home was built is the installation of the T/S across the road from my property.

An example from my diary of my "worst" day yet to occur on my property:  
XX/XX/20XX

Arrived home at 6 am OK, (I discovered last October what I have been calling OK in my diary for years is just what has become a "normal" amount of adverse affects to me, this I determined after spending two days in a secluded cabin in the woods with electricity.) (It is possible in a "clean" location to enjoy No ringing in ears at all and not even a slight headache) wicked ringing in ears on entering house. By 6:30 am could easily vomit, wickedly dizzy, nauseous, Medium Headache, and diarrhea. By 6:45am felt really rotten (vomited twice) after having one bite of a waffle for breakfast, which I threw up almost instantly along with a sip of my morning coffee before I left the house for outside (being outside usually helps to alleviate symptoms) at 7 am. By 7:30 am condition has worsened it is unsafe (extremely dizzy) to drive to leave here, so I lay down in my pickup in the front yard (where I parked it on coming home), (unfortunately between my house and T/S) (I had to move very slowly to avoid falling and vomiting) until 12:20pm. Vomited 5 more times by 9 am. Entered house for lunch (unsuccessful) still same symptoms as above except now I have progressed to a wicked headache. In house I could hear an "Electric Motor running" type noise coming from the T/S (this happens on occasion, may be the low frequency noise aspect affecting my brain?) In house until 1 pm struggled outside to truck parked in front yard till 3 pm by then felt capable (vision cleared to the point of being able to see and feel well enough to drive around house and shed hopefully without hitting it) of moving the pickup to back yard out of view of passersby (two visitors came by while parked in front yard, its hard to talk when this sick without vomiting) and behind shed hoping that with the house and my shed behind house

blocking "line of sight to T/S I might feel better. Stayed there until 7 pm. By then symptoms had backed off to slight headache and medium ringing in ears, (almost "normal") other symptoms have backed off as well. Entered house, by 7:20 pm back to medium headache and slight ringing in ears, almost diarrhea, had something to eat (1<sup>st</sup> time today it stayed down) by 9:30pm when felt semi safe to drive to leave here I could easily vomit again.

By the next morning on awakening at 6am all is well again.

An example of a "good" day:

29/08/2010

Awoke at 6:15 am arrived home at 6:45 am felt OK. Instant medium ringing in ears on entering house, by 7 am medium Headache started, in house until 7:45 am. Away on service call until 11:40 am, felt OK by 10:30 am, on entering house at 11:40am OK until 11:50 am then slight ringing in ears and slight to medium headache started. Left house at 12:30 pm on service call away until 7:45 pm. I felt OK by 2 pm. On entering house at 7:45 pm instant medium ringing in ears started and slight to medium headache. By 8:40 pm it had progressed to medium ringing in ears and medium headache I left house at 9:30 pm.

Note: in my opinion the reason this is an example of a "good" day is the fact I spent less than 4 hours on my property in three batches of time separated with a "detoxification" period in between.

An example of an average day:

An average day usually starts out with no issues (OK) while sleeping elsewhere. On entering my home (on many occasions when unlocking the door) I have up to a maximum of 17 minutes in the house if I'm lucky before Ringing in ears at various intensities and headache at various intensities starts interspersed on some days with alternating bouts of nausea, vomiting, diarrhea, dizziness, occasional chest tightness, (stiff seized limbs, if I spend too much time in the house or sleep here,) "short term (new) memory loss", ( i.e. just yesterday in a restaurant I had decided what to order and asked the lady with me to order first, by the time she was done ordering chicken fingers and a drink I had totally forgotten what I wanted to order, how embarrassing. ) This problem seems to linger (based on conversations with people who are no longer exposed and haven't been for years) and in my case it seems to be getting worse.etc.

In short I know something bad will happen every day I reside on my property the only variables are which symptoms besides the headache and ringing in ears, how bad, and how long will they last. I have learned to spend as little time as possible on my property as it is the only sure way to prevent or alleviate my symptoms. I have found no "pain killers" that work and my doctor tried me on many different ones before I discovered the "cure" for my headache was to essentially abandon my property as much as possible.

I have had several persons (some of which had never been on my premises before) visit my home 99% of which left in 5 to 30 minutes with either a feeling of tightness in their chest a headache or both, some have also experienced the ringing

in their ears. All of these symptoms dissipate for them within an hour or so of leaving my home, depending on how long they have been visiting.

I also have had on some occasions a severe problem with an audible hum emanating from the T/S ( distinctly audible inside the house with doors and windows closed wearing 27 db noise reduction rated ear protection). In my opinion the reason the hum is such a problem is the fact that the Ontario Ministry of the Environment (MOE) decided that a noise level of 40 db (a) on the (a) scale was an appropriate level for a rural area at night when in fact during short term testing at my property by a qualified acoustic consultant at approximately 2 am the noise level was 16 db (a). An increase in noise level of 20db (a) is accepted as a minimum of a 4 times increase of the noise level to the human ear, an increase in "power level" of well over 100 times. This is due to the logarithmic scale used to measure noise levels.

Another way of putting this is to quote the wind developers mantra used here "40db (a) is no louder than a library or a refrigerator". The World Health Organization (WHO) has determined that the difference in the noise level between inside and outside a home (even with windows open) will be approximately 15 db (a). According to a "noise level comparison chart" on the internet 0 db (a) is regarded as the threshold of hearing, 10 db (a) is a sound proof room, 20 db (a) is a recording studio. If we factor in my 16 db(a) outside minus WHO's 15 db(a) reduction, I have essentially been forced from a room at almost the threshold of hearing (1 db(a)), ( 9 db(a) quieter than a "soundproof" room) to a room in a library with a refrigerator in it when the T/S was first energized. This demonstrates the "flaw" in the audible portion of the MOE noise guideline. I have tried 3 times to have the guideline revised all were refused. The guideline also makes no attempt to address Low Frequency Noise or Infrasound, which I fear may be even larger problems created by these rural installations.

I trust no one reading this submission would willingly accept an increase in the noise level of 4 times as loud to the ear where they attempt to sleep at night. Bear in mind this could very well be non stop 24/7 for potentially the rest of your life or until you can't stand it any longer and move away or as I have been forced to do rent other accommodations in which to enjoy a nights sleep with all the attendant expenses thus incurred.

I have attached the decision rendered ( September 12 2008) ( please note it is 7 pages in length) in my case by the property tax Assessment Review Board (ARB) as an example of the impact of wind development on the municipal tax base and the ratepayer (me). ( I believe my property thanks to the detriment across the road is not salable, (a clause in the real estate law in this province states you must reveal to a potential buyer any detriments to your property or face legal repercussions etc.)) . This decision represents a 50% loss to the municipality, possibly a complete loss of value to the ratepayer. Since the rendering of this decision the T/S has been expanded to double its size. I will be appealing once again to the ARB in 2012.

After reading the above letter I appeal to you to ask yourself, how much would you be willing to pay for my property?

The more important question: How many of your fellow residents are you willing to force to endure this situation or one similar, possibly worse, in the name of unproved to really be "green" energy?

Yours Sincerely,  
Paul Thompson