

From: [Jay Lewis](#)
To: [Kathy and Don](#); [Planner](#); ic.spectrumswodo-spectrebdsoo.ic@canada.ca
Subject: Xplornet - PLEASANT BEACH - ON7393
Date: December 22, 2020 12:42:40 PM
Attachments: [image001.png](#)

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Hello Mrs. Willwerth,

Thank you for your email submission on December 10, 2020 stating your objection and concerns Xplornet proposed tower replacement of the existing 17m lite-duty lattice tower with a 30m lite-duty lattice tower at 534 Pleasant Beach Road, Skerston, Ontario.

Public consultation is an important process to establish new communication sites as it provides an opportunity for residents to submit comments, concerns or requests for additional information.

I understand based on your email you have health concerns regarding the emissions from the operation of the proposed replacement tower, including what frequencies and if they will be monitored.

The health and safety of residents are of the utmost importance to Xplornet and you can be reassured the site will be compliant with Health Canada's Safety Code 6.

You mention that upon reading some material you are concerned about a number of health effects. Is the material credible and have these claims been substantiated? If so, Health Canada would take appropriate measures regarding Safety Code 6. When reviewing information online it is important to consider the credibility of the material, especially if it contradicts the general consensus of the scientific community and goes against the standards adopted by the majority of jurisdictions throughout the world.

Please see the Background Information below for detailed information on Safety Code 6 as well as Additional Information which provides a number of credible sites on health and safety. Also keep in mind this site has already been in existence for a number of years and that Xplornet has thousands of these site throughout Canada without issues.

The existing 17m tower has both transmitting and receiving equipment that provides internet to the residence on the subject property and to other residences in the area. Xplornet is proposing this 30m tower replacement as it will improve both the coverage and the quality of the internet services to these residences since the equipment will be at a higher elevation.

Xplornet has a number of licenced frequency bands, that are regulated by Innovation, Science and Economic Development Canada (ISED - federal jurisdiction), such as 600MHz, 700 MHz, 2500 Hz and 3500 MHz that can be utilized. The antennas on the proposed tower will utilized the 3500 MHz band.

A safety code 6 analysis is completed prior to installation using a computer program that takes the number of antennas and the specifications such as the frequency, energy, direction,

elevation, etc. to determine the amount of energy based at any location from the site. If ISED believes the site may not comply with Safety Code 6 it can require the proponent to audit the site for compliance – if non-compliant then the proponent must take immediate action to bring the site into compliance.

Yes, the proposed 30m lattice tower site will accommodate future requests for co-location of additional equipment by another party as this is mandated by ISED to minimize the number of towers in an area; however, it should be noted that the site must remain compliant with Safety Code 6.

Thank you again for your submission. If you like to provide a further response it must be received by January 12, 2021 to be considered part of this consultation. All correspondence is provided to City Staff for consideration when reviewing a request for concurrence.

Sincerely,
Jay Lewis



Jay Lewis

Real Estate & Municipal Affairs

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Background Information

Xplornet internet towers transmit and receive radio-frequency (RF) signals or energy to connect to a device installed on the outside of a residence to provide internet services.

Xplornet's licence with ISED requires that RF levels transmitted from base stations (towers or rooftop sites) fall below Health Canada's RF exposure limits guidelines and made compliance with Safety Code 6 mandatory. ISED adopted Health Canada's Safety Code 6 as they are the agency charged with protecting the health and safety of Canadians. Safety Code 6 exposure limits are science-based standards used in other parts of the world, including the United States, European Union, Japan, Australia and New Zealand.

Safety Code 6 is based on an ongoing review of published scientific studies, including both internal and external reviews of scientific literature, as well as Health Canada's own research. The code is periodically revised to reflect new knowledge in the scientific literature. The current version of Safety Code 6 reflects the scientific literature published up to August 2014 and replaces the previous version published in 2009.

Health Canada reminds all Canadians that their health is protected from radiofrequency fields by the human exposure limits recommended in Safety Code 6. Health Canada does not consider base stations dangerous to the public, including groups typically more sensitive to environmental agents (young children, elderly). The Safety Code 6 limits for human exposure to RF energy are designed to provide protection for all age groups, including children, on a

continuous (24 hours a day/seven days a week) basis. This means that if someone, including a small child, were to be exposed to RF energy from multiple sources for 24 hours a day, 365 days a year, within the Safety Code 6 limits, there would be no adverse health effects.

Health Canada continues to monitor and analyze scientific research on this issue and should new scientific evidence arise demonstrating that exposure to radiofrequency fields poses a health risk to Canadians, Health Canada will take the appropriate action to safeguard the health of Canadians. Compliance with any updates or changes to Safety Code 6 is mandatory for all Canadian wireless carriers.

It should be noted that ISED does not consider concerns regarding the validity or adequacy of Safety Code 6 subject to consultation as the exposure limit guidelines are the responsibility of Health Canada. If you have concerns with the exposure limits of Safety Code 6 than Health Canada would be the agency to directly contact and discuss.

Additional Information:

- **Health Canada: *Fact Sheet – What is Safety Code 6? (Busting Myths on Safety Code 6)***

<https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/cell-phones-towers.html>

- **Health Canada: *Cell phones, cell phone tower and other antenna installations***

<https://www.canada.ca/en/health-canada/services/health-risks-safety/radiation/everyday-things-emit-radiation/cell-phones-towers.html>

- **ISED: *Radiofrequency Energy and Safety***

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11467.html#s1>

- **ISED: *Radiofrequency Energy and Safety***

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>

From: Kathy and Don [mailto:kathyanddonw@gmail.com]

Sent: December 10, 2020 1:20 PM

To: planner@portcolborne.ca; Jay Lewis <jlewis@forbesbrosLtd.ca>; ic.spectrumswodo-spectrebdsoo.ic@canada.ca

Subject: Proposed communication tower @ 534 Pleasant Beach

To whom this email may concern,

I would like to oppose the construction of the 98 foot communication tower that is proposed for 534 Pleasant Beach Rd, Sherkston, On.

It was my understanding, albeit not a correct one maybe, that the existing structure was just a support for the Xplornet dish to supply internet to the residence at 534 only, similar to a TV antenna tower that people don't want to put on their roof.

It is located near his garage. A receiving dish? Or was it a sending dish?

I was under the impression it was a receiving dish like a satellite dish.

My concern is that this new high tower will be a sending dish and distribute very harmful radio frequency waves to our whole area. .

Even one company 's radio frequency rays to our house is a huge concern but another important problem would be if it hosts other companies on that tower as well, , sending out even more harmful rays.

We live across the street less than 400 meters from the proposed site.

We have 5 adults and one child under 6 and a dog.

In addition to a huge eyesore for us upon reading some material, I am concerned about the health effects that this will have on my family and indeed the area;

Dizziness, headaches, depression, cancer are a few side effects that people have experienced elsewhere .

Also wildlife, dogs, cats and birds can be affected.

There are multiple horse farms in the area.!

There is Sherkston Shores Resort bordering the proposed suite that has about 30,000 people living there during the season.

Xplornet says this tower will comply to Health Canada's safety code 6. However even under comppliance there are these associated health risks.

How many Ghz will be transmitted over there to our house and property. 3 to 300 Ghz?.. or lots more?

Will Health Canada or someone else monitor what is coming off that tower as to the Ghz for compliance to safety code 6?

How often will they check now and in the future to make sure they are still in compliance with safety code 6? How will we know this is being monitored?

Will we be informed as to the Ghz?

I wonder??

Please, consider my objection to this new 98 ft tower .

I hope this is not a done deal!!

Thank you on behalf of my family,

Mrs. Kathleen Willwerth
545 Pleasant Beach Road
Sherkston On L0S 1R0

905 894 0910

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