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Commissioner

May 8, 2014

Mr. David R. Graham
P.O. Box 553
Campton, Kentucky 41301

RE: Case No. 2014-00108
New Cingular Wireless PCS

Dear Mr. Graham:

This is in response to your letters received on May 6 and May 7, 2014 requesting information regarding the application for approval to construct a wireless tower facility. The letter has been placed in the official case file of this proceeding and the Commission will carefully analyze this application before rendering its final decision. By this letter, the attached request for information has been forwarded to the Applicant for a response. Commission Staff requests the Applicant to submit a written response to the request for information, with a copy to the Commission, within 15 days of the date of this letter.

If a person wishes to become a party in this matter he should submit to the Commission a request for intervention, if intervention is desired. If no request for intervention is received within 30 days of the date of this letter, the Commission Staff will presume that the Applicant's reply has satisfied the concerns raised in the attached request for information.

It may be helpful for you to know the state authority, specifically that of the Public Service Commission, in this matter has been limited by federal law. For example, Section 704 of the federal Telecommunications Act of 1996 prohibits this Commission from regulating the placement of wireless facilities on the basis of environmental effects of the radio frequency emissions to the extent that facilities comply with Federal Communications Commission regulations. Section 704 also prohibits a state or local government from prohibiting telecommunications facilities construction if such denial will have the effect of prohibiting service. In addition, this Commission is required by statute

Mr. David R. Graham
May 8, 2014
Page 2

to ensure that utility service, including telecommunications service, is adequate and reliable. The Commission does, however, consider appropriate placement of necessary facilities within applicable engineering boundaries. It also pursues a policy of collocation of facilities whenever possible.

You may view Orders and data requests issued by the Commission or other formal case documents on our website <http://psc.ky.gov>.

Thank you for your letter of interest and concern in this matter.

Sincerely,



Jeff Derouen
Executive Director

JD/kle

cc: Parties of Record

RECEIVED

MAY 7 - 2014

PUBLIC SERVICE
COMMISSION

TO: Public Service Commission

IN The last letter That I received From the FCC I understand them to say that until the proposed tower is built there is NO WAY to know how high the Radio Frequency Emissions Levels will be. There are two other Cell Phone towers located IN the same area. that could be tested during A normal day of operation. One is at approx. 800 ft. to the East AND ONE is approx 1/2 mile to the West. This should be A simple test that will show the RADIATION Levels. This third tower will produce even Higher RADIATION Levels, I AM CONCERNED About The Health AND Safety of the people living IN this Community. It is ALSO possible that the Tower could FALL.

Thank you

DAVID R. Grahm
 P.O. Box 553
 Campton, Ky 41301

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New study links over 7,000 cancer deaths to cell phone tower radiation exposures

Saturday, June 22, 2013 by Lloyd Burrell
TEASE cell phone towers, radiation, cancer



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(NaturalNews) Could exposure to radiation from cell phone towers really responsible for over 7,000 cancer deaths? According to research findings from Brazil, the facts speak for themselves. The study established a direct link between cancer deaths in Belo Horizonte, Brazil's third largest city, with the cell phone network.

What does this direct link stem from?

Over 80 percent of those who succumbed to certain types of cancer resided approximately a third of a mile away from one of the hundreds of cell phone antennas that populate the city.

These cancers, primarily found in the prostate, breasts, lungs, kidneys, liver, are the ones associated with exposure to electromagnetic fields (EMFs).

This is a real concern for cell phone users and even non-cell phone users. Those who shun mobile phone technology still suffer the consequences of cell phone tower radiation.

Is the Brazilian study an isolated study?

Cell phone tower studies which examined the relationship between radiation exposure and cancer rates were conducted in the city of San Francisco in addition to cities in Austria, Germany, and Israel, dating as far back as the 1970s. All the studies shared similar findings: living within a certain proximity to a cell phone tower increased the risk of cancer anywhere from two to 121 times depending on what type of cancer was detected.

Adiza Condessa Dode, PhD, one of the engineering researchers as well as the coordinator of the Brazilian study, addresses those who are concerned about cell phone tower radiation and explains the Brazil study does not stand alone. Dode elaborates, "these levels (EMFs), are already high and dangerous to human health. The closer you live to an antenna, the greater the contact with the electromagnetic field."

The Brazilian study covers just one city in Brazil. Residents of the United States are vulnerable too as America is home to hundreds of thousands of these radiation emitting towers. In the U.S., with the proliferation of cell phones and the growing needs of cell phone users in recent years, there has been an explosion in cell towers.

Overwhelming evidence

A growing number of organizations and many more studies support the conclusions of the Brazilian study. The International Association for Research on Cancer (IARC), based upon findings from research conducted by an international think tank, came to the conclusion that radio frequency radiation, including

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the radiation spewing from cell towers, is a possible carcinogen.

The *BioInitiative 2012 Report* written by a group of leading independent international scientists has put out an unequivocal health warning against exposure to EMFs. This includes exposures from cell phone towers.

Why are cell phone towers particularly dangerous?

The threat comes from the constant nature of the activity of the towers; they emit pulsed radio frequency radiation. This radiation has been shown in thousands of studies to cause biological damage to the body and to be a precursor to disease.

What are some of the dangers (besides cancer), which result from this damage and are associated with EMFs and cell phone antennas?

- Genetic mutations
- Memory disruptions
- Hindered learning
- ADD
- Insomnia
- Brain disorders
- Hormonal imbalances
- Infertility
- Dementia
- Heart complications

These dangers clearly make it imperative to take action.

Cell towers are here to stay but their implementation needs effective regulation in terms of location and radiation levels. The 1996 *Telecommunications Act (TCA)*, does not qualify the public's right to protest cell tower locations based on health hazards. Cell towers should be located away from residential areas and far away from schools and day care centers.

Sources:

- <http://www.getthefacts.info/>
- <http://www.helton.co.za>
- <http://www.cell-out.org/>
- <http://whytry.org>
- <http://cdn.bizcommunity.com>
- <http://www.maggahayes.com>

About the author:

Lloyd Buresi is the author of a new ebook entitled "How To Beat Electrical Sensitivity" which offers a solution to the growing number of people whose health is being compromised by exposure to wireless and similar technologies, see www.electricsense.com/3-free-chapters.html

Since falling prey to a violent reaction to his cell phone in 2002 he has spent the last 10 years researching the effects of electromagnetic fields (EMFs) on health. He now offers a complete solution on how to live a healthy life in our increasingly electromagnetic world.

You can download his free *EMF Health Report* and subscribe to his newsletter by visiting his website <http://www.electricsense.com/> You can also follow him on Facebook, Twitter, Youtube and Google+.

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DAVID R. GRAHAM

Pg. 1

I Oppose the CONSTRUCTION OF A
Tele-COMMUNICATION'S Tower At
395 Miller Ridge Rd. Pine Ridge,
Wolfe Co., Ky 41301. For ENVIRONMENTAL,
SAFETY AND HEALTH REASONS
~~_____~~
~~_____~~

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Pg. 2

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Opal C Pennington

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Pine Ridge, KY 41360

Opal Pennington

DAVID R. GRAHAM

~~REF~~
P.3

DALLAS 2147KMS

574 BOOKE CREEK Rd

STANTON TX 76380

Dallas Worth

PUBLIC NOTICE

American Towers LLC is proposing to construct a 265-foot overall height self-support telecommunications tower at 395 Miller Ridge Rd., Pine Ridge, Wolfe County, KY, Tax Parcel ID 012-00-00-023.00. The new tower structure will be lit with dual red/white medium intensity flashing strobe with steady burning red side markers lighting and the tower facility will include a 70' by 42' lease area and associated easements, along with a 30-ft. buffer surrounding the lease area. American Towers LLC seeks comments from all interested persons or any potential significant impact the proposed action could have on the quality of the human environment pursuant to 47 C.F.R. Section 1.1307, including potential impacts to historic or cultural resources that are listed or eligible for listing in the National Register of Historic Places. Interested persons may review the project application pending with the Federal Communications Commission (FCC) at www.fcc.gov/asr/applications by entering Form 854 File No. A0875960. Interested persons may comment or raise environmental impact concerns about the proposed action by filing a Request for Environmental Review with the FCC. The FCC strongly encourages all interested parties to make such filings online, following the instructions found at www.fcc.gov/asr/environmentalrequest. Paper filings can be sent to: FCC Requests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW, Washington, DC 20554. The Request must be sent to American Towers LLC, by e-mailing a copy to enviro.services@americantower.com or mailing a copy to: American Tower, 10 Presidential Way, Woburn, MA 01801 ATTN: Environmental Compliance.

Requests or comments should be limited to environmental and historic/cultural resource impact concerns, and must be received on or before 3/9/14. This invitation to comment is separate from any planning/zoning process that may apply to this project.

Cell Tower Health Risks

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RESONANCE

Cell Tower Health Risks

More cell tower radiation

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Cell Towers are the base stations which control cell phone communication. The generic term "cell site" can also be used - to include all cell phone towers, antenna masts and other base station forms. Each cell site services one or more "cells".

Cell tower numbers have grown exponentially in recent years, as service providers raced to improve their coverage.

Increased cell phone traffic also contributes to cell tower density. When a cell becomes too busy, a frequent solution is to divide it into smaller cells, which then require more cell sites.

In 2009 there were over 200,000 cell sites in the USA alone, and 50,000 in U.K.

Cell tower radiation from chimneys?

Cell sites may take the form of a mast or tower, but may also be disguised, in some cases so they cannot be visually discerned at all.

You might notice the camouflaged "trees", but perhaps not the cell sites on top of buildings, looking like elongated loudspeaker boxes.

You'd almost certainly miss the cell sites installed inside chimneys and church steeples, even flagpoles.

Where a base station is installed on top of a building where people live or work, those occupants may be quite unaware that they are in very close proximity to equipment which produces substantial electromagnetic radiation.

Cell tower health dangers

Cellular phone industry spokespersons continue to assert that cell phone towers pose no health risk. Almost all scientists in this field would disagree, at the very least claiming that no such assurance can be given.

There is strong evidence that electromagnetic radiation from cell phone towers is damaging to human (and animal) health.

A study into the effects of a cell tower on a herd of dairy cattle was conducted by the Bavarian state government in Germany and published in 1998. The erection of the tower caused adverse health effects resulting in a measurable drop in milk

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Cell Tower Health Risks

yield. Relocating the cattle restored the milk yield. Moving them back to the original pasture recreated the problem. Dairy Cow Study

A human study (Kempton West) in 2007 measured blood levels of serotonin and melatonin (important hormones involved in brain messaging, mood, sleep regulation and immune system function) both before, and five months after, the activation of a new cell site.

Twenty-five participants lived within 300 metres of the site. Substantial unfavourable changes occurred with respect to both hormones, in almost all participants. Kempton West Study

Over 100 scientists and physicians at Boston and Harvard Universities Schools of Public Health have called cell phone towers a radiation hazard.

Cell phone towers cancer risk

A study performed by doctors from the German city of Nalla monitored 1000 residents who had lived in an area around two cell phone towers for 10 years. During the last 5 years of the study they found that those living within 400 meters of either tower had a newly-diagnosed cancer rate three times higher than those who lived further away. Breast cancer topped the list, but cancers of the prostate, pancreas, bowel, skin melanoma, lung and blood cancer were all increased. Nalla Study

Another study by researchers at Tel Aviv university compared 622 residents who lived within 350 meters of a cell phone tower with 1222 control patients who lived further away. They found 8 cancer cases in the group affected by the cell tower, compared with only 2 cases amongst the controls. Further Info

Very few studies have specifically concentrated on cancer risk from cell phone towers. This lack of studies is in itself a cause for concern, especially since anecdotal evidence is plentiful.

For example, in a case known as "Towers of Doom", two cell masts were installed (in 1994) on a five story apartment building in London. Residents complained of many health problems in the following years. Seven of them were diagnosed with cancer. The cancer rate of the top floor residents (closest to the tower) was 10 times the national average. Further Info.

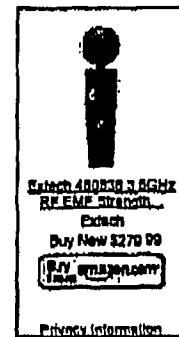
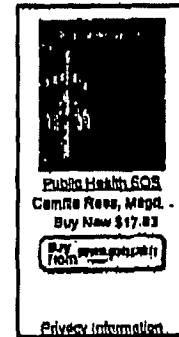
We agree that more research is needed, but it may be slow in coming. Those who might fund major studies are the very same organisations who would be disadvantaged if a definite link between cell towers and cancer were established.

In the meantime, it is reasonable to apply the precautionary principle.

If cell towers are causing cancer, we would expect that several years of exposure (with only minor effects on people's health) might be required, followed by an unexpectedly high occurrence of the disease amongst the exposed population.

The damage from radiation exposure accumulates over many years, but the breakdown in health happens only

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Cell Tower Health Risks

Page 3 of 4

after all body defences and repair mechanisms have been exhausted.

Cell phone tower radiation limits

The current US standard for cell site radiation in the US is 580-1000 microwatts per square centimetre.

Many other countries have set levels hundreds of times lower.

The reason for the disparity is that no one really knows what level of cell tower radiation is safe.

Current limits have been influenced more by economic and political imperatives than by research into health and safety.

More important than the intensity of electromagnetic radiation emitted at the tower is the strength of the resulting EMF wherever people live and work. This depends on the intensity at the source - and one's distance from it.

Cell towers safe distance

Different cell sites emit different amounts of radiation.

Radiation levels from a single cell site vary, depending on usage. Even maintenance issues can affect how much radiation a cell site is currently producing.

Radiation around a single cell tower may not be uniform - there can be hot and cold spots.

Measurement with a suitable meter is the only way to know how much radiation you are receiving at a particular spot.

But it seems that ^{1300 Ft.} 400 metres is a safe distance for most people, and smaller distances may also be safe in some cases.

Cell tower health effects

Individuals differ in their response to similar levels of EMF radiation.

For some people, short term effects from cell tower radiation exposure may include headaches, sleep disorders, poor memory, mental excitation, confusion, anxiety, depression, appetite disturbance and listlessness.

This list is not intended as a diagnostic aid, as each symptom here can have many causes.

But if you and your family do not experience any of these symptoms you are probably not being overwhelmed by cell tower radiation.

Cell tower safety - personal action plan

If you are still concerned, try to obtain the use of an RF (radio frequency) gauss meter designed for measuring electromagnetic radiation in the cell phone frequency (microwave) range.

Switch off all wireless devices including computer networks,

Cell Tower Health Risks

Page 4 of 4

modems and mobile phones before measuring RF radiation. What remains will probably be mainly cell tower radiation, although TV and radio station signals may also contribute.

How much cell tower radiation is too much for your long-term health? No one is exactly sure. But if you detect more than 100 mv/m (millivolts per metre) in places where you spend several hours a day, you might consider moving.

If you cannot obtain a meter, you must rely on estimating the distance to the nearest cell site. If that distance exceeds 400 metres you are probably not being harmed - although high risk groups may need to be more cautious. See our page [Who Is at Risk?](#)

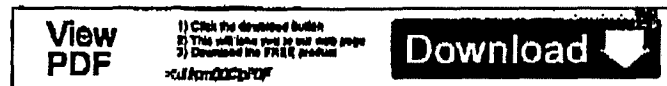
Also bear in mind that it is getting harder and harder to be sure where the nearest cell site is situated, especially in built-up areas.

Cell sites are often disguised. And many units are much smaller than the old familiar towers (though probably not less potent), and installed in unexpected locations.

When you next change your job or your house, find out how far away you are going to be from the nearest cell site, and let that influence your decision. Do the same when you decide where to send your child to school.

If you have reason to be concerned about your exposure to cell tower radiation - but there is nothing you can do about it yet - then concentrate on reducing EMFs from other sources. For suggestions see our page [EMF Protection](#).

In the long term, we need to find ways of providing cell phone convenience without exposing people to the existing dangers of cell tower radiation.



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Last updated: July-2012

Cell Tower Health Risks

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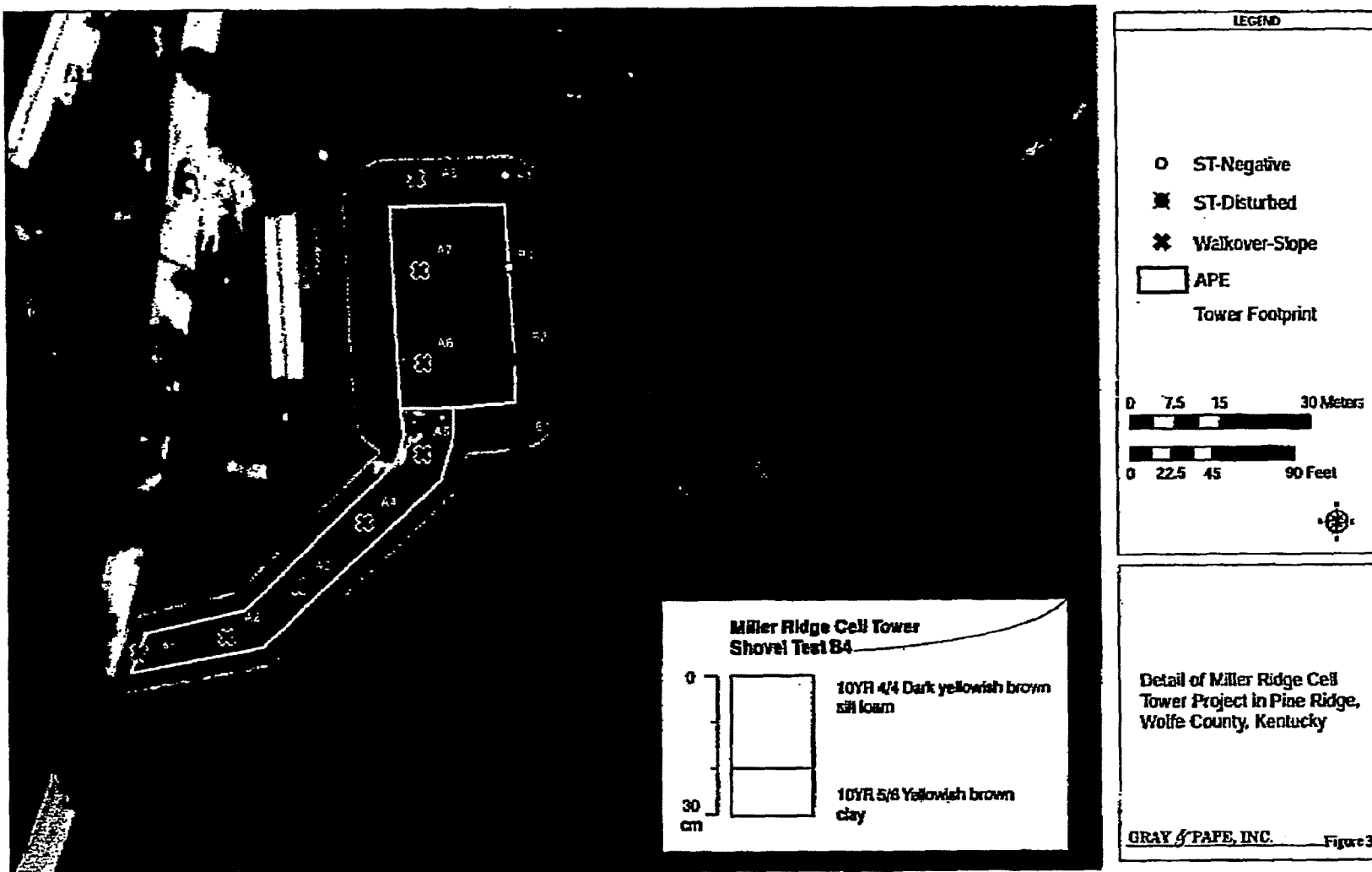
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Maps to be used for identification purposes only, not for conveyances. Accuracy of boundary lines cannot be determined by this map or the Wolfe County PVA Office.



Our Property

Page 1

IN GENERAL, I do NOT Oppose Cell Phone Towers. Cell Phones Are AN Important tool to help us Communicate AND IN OUR Modern World of Today WE CAN Stay better INformed AND Up to date About Current Events I Know the use of Cell Phones SAVES Lives Every day AND they Sometimes Prevent disasters

I ONLY Oppose Cell Phone Towers when they Are PLACED IN Residential Areas Near people's Homes After Reading About the dangers of Living NEAR A Cell Phone Tower ALL of the Studies Show that the Safe Distance From the tower is About 1300 ft..

The proposed tower site At 395 Miller Ridge Rd. Wolfe Co. Ky. Puts MANY of the Residence IN danger, BECAUSE of ^{the} Mobile Homes AND Houses Are much Closer.

PAGE 2

There Are NO Zoning Laws IN Wolfe Co. And to my Knowledge NO Local Agency to rule on the location of A Cell Phone Tower Or Its Operation. I have Spoken to Wolfe Co Judge-Exec Dennis Brooks At [redacted] And he Shares the Same Health And Safety Concerns AS I do About the people living IN that Community. A Cell Phone Tower Could be PLaced At A different location. If one is Needed without Gambling with the Health And Safety of the people.

The Miller Ridge Road is A dead End Road so ALL of the Residence AND the school Bus must Travel this Road

I Amⁱⁿ heir IN my Deceased mothers property which Joins the property of the proposed tower site

The map that American Towers Sent me Shows the House At Approx. 450 ft. From the tower Site

Page 3

Also Two mobile Homes one at Approx.
 75 ft. AND ONE AT Approx. 200 ft.
 If the tower is built at this
 location there is a possibility
 That for Health AND Safety reasons
 we will have to Abandon Dun
 property. I Urge the public Service
 Commishian to look into this
 proposed Tower Site project ASAP
 Before construction is started.

THANK YOU.

DAVID R. GRAHAM
 P. O. Box 553
 CAMPTON, Ky. 41301

Phone

Cell #