

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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RECEIVED

MAY 6 2014

PUBLIC SERVICE COMMISSION

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Pine Ridge, KY 41360

J Pennington

Opal C. Pennington

6747 KY 15 N

Pine Ridge, KY 41360

Opal Pennington

DAVID R. GRAHAM

~~PAID~~
P.3

DALLAS 204KINS

574 BOOVE CREEK RD

STANTON TX 76780

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

EM Watch

EMF Safety and Health

Contact us

Home What is EMF? EMF Health effects Who is at risk? EMF Protection EMF Survey

Cell Tower Health Risks

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More cell tower radiation

Cell Site Lease Experts
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Big Cash For Your Cell Site Lease. Get Your Money, Learn More Now!

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

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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.

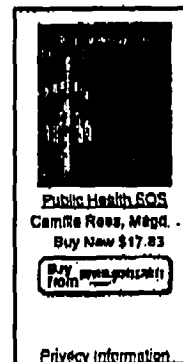
We agree that more research is needed, but it may be slow in coming. Those who might fund major studies are the very same organisations who would be disadvantaged if a definite link between cell towers and cancer were established.

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

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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

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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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Cell Tower Health Risks

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PHILLIPS DANNY
012-00-00-025-00
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30-313441

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WAIN HEARIC

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0-371737

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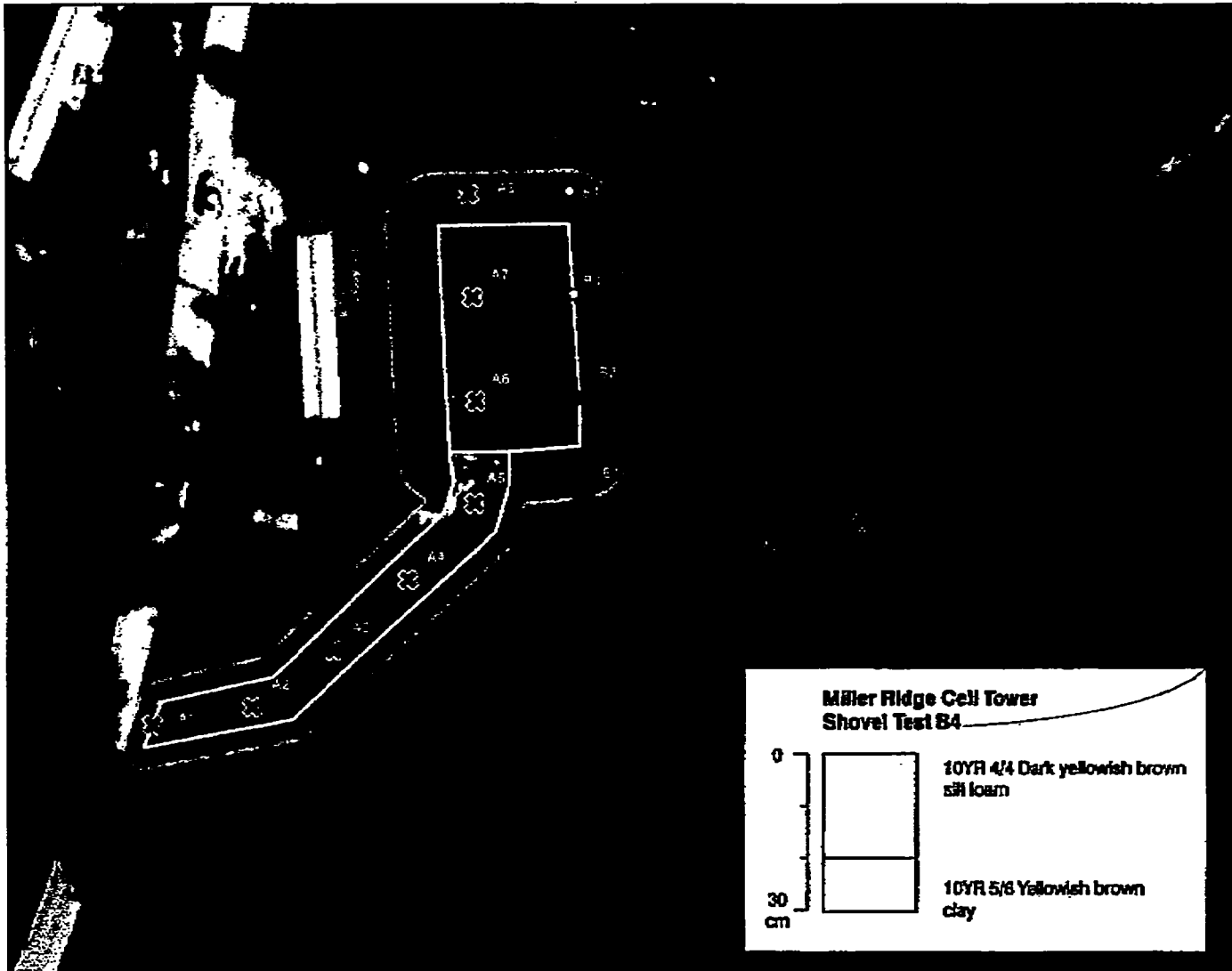
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012-00-00-030-00

11-153691

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.



LEGEND

- ST-Negative
- ✖ ST-Disturbed
- ✖ Walkover-Slope
- APE
- Tower Footprint

0 7.5 15 30 Meters

0 22.5 45 90 Feet

**Miller Ridge Cell Tower
Shovel Test B4**

0

30
cm

10YR 4/4 Dark yellowish brown
silt loam

10YR 5/6 Yellowish brown
clay

**Detail of Miller Ridge Cell
Tower Project in Pine Ridge,
Wolfe County, Kentucky**

GRAY & PAPE, INC. Figure 3



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 mobile Homes AND Houses Are much Closer.

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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 Am 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

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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 our
property. I urge the public Service
Commission to look into this
proposed tower site project ASAP
before construction is started.
THANK YOU.

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Phone

Cell #