



February 20, 2015

Mr. Kirby Blass
Office of Planning
Charles County Government
Planning & Growth Management
P.O. Box 2150
La Plata, MD. 20646

RE: 3RD REVIEW OF SPECIAL EXCEPTION BOA Docket #1335; NEW VERIZON 199-
FT MONOPOLE TOWER; 6202 BIVINS PLACE, LA PLATA, MD 20646

Dear Mr. Blass:

I have reviewed Verizon's answers to the County's 2nd review comments pertaining to subject 199-FT Tower. Below are my additional comments to Verizon's response.

RCC has completed the review of Verizon's proposed 199' Tower to be located on the above-listed property, at LAT/LON coordinates 38° 32' 44.27" N, 76° 59' 40.96" W. The site is requested by Verizon Wireless to provide coverage for their wireless communications system.

Site Selection

Verizon has searched the general area for existing alternative towers or other structures that could support their antenna load and meet the coverage objective. Verizon identified one tower, but found that the tower was structurally insufficient to support the proposed antenna load. Verizon also stated that a lease could not be negotiated with the landlord.

Desire for Co-location of Carriers

Verizon has provided engineering drawings showing the structure will be designed to accommodate future co-location of at least two additional carriers. I recommend that Verizon submit a Structural Analysis Report during the permit process to demonstrate the tower can support the proposed load as well as the antenna loading of two future carriers.

The engineering drawings indicate that the fenced compound facility will be constructed with sufficient space to accommodate Verizon's Equipment Shelter. The future carrier ground equipment is shown (sheet C-2) outside of the fence compound. It's unknown to RCC if Verizon's lease includes the area identified for future carriers.

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RCC 3rd Review Comments: The applicant states that future colocation for a tenant's ground equipment would require a lease expansion (with the property owner) along with additional tree clearing. It is questionable if the compound design meets the intent of Ordinance 291-212 Para F. for future colocation of commercial or government operated antennas. The design is inconsistent with past Verizon tower site projects within Charles County.

Setback Requirements

The drawings and documents submitted by Verizon demonstrate that the proposed tower design complies with the County setback requirements (1-Ft setback from property lines and buildings per every foot of tower height).

Interference to Public Safety Communications

RCC has reviewed the Microwave paths utilized by the County for interconnections of the 800MHZ radio sites, and has determined that the proposed tower will not physically block these paths.

Verizon has included a statement that the proposed facility is compliant with all FCC requirements and will not interfere or degrade public safety communications. Information pertaining to the proposed system transmit frequencies, and ERP (Effective Radiated Power) are required and needed in order for RCC to evaluate the potential for RF interference.

RCC 2nd Review Comments: Verizon's proposed system will operate in 700MHZ and 800MHZ and frequency bands. Given that Charles County operates in the 800MHZ band, I recommend that Verizon provide an Intermodulation Interference analysis to demonstrate that the proposed system will not interfere with the County's 800MHZ system.

RCC 3rd Review Comments: Verizon has provided an Intermodulation Interference analysis demonstrating that the proposed system will not cause RF interference with the County's 800MHZ system.

FAA Requirements

Structures meeting certain criteria (i.e Towers exceeding 200' in height or located within two miles of an airport, etc) are required under CFR Title 14 Part 77 to be filed with the FAA for an Aeronautical Study. I recommend that Verizon provide certification of filing status.

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RCC 2nd Review Comments: Verizon provided a report from Federal Airways & Airspace stating that Notice to FAA is not required.

FCC Environmental Impact Requirements

Verizon stated that Form 620 has been filed with the FCC for compliance with NEPA and NHPA regulations. RCC recommends that Verizon submit a copy of the report once it has been completed.

RCC 2nd Review Comments: The Report provided by Verizon is missing section 4. If you have any questions on this review, please feel free to give me a call at (757) 642-7839.

RCC 3rd Review Comments: Section 4 of the NEPA report was provided.

Please feel free to contact me if you need additional information or have any questions.

Sincerely,

A handwritten signature in black ink that reads "Gary M. Whitley". The signature is written in a cursive, slightly slanted style.

Gary M. Whitley

RCC Consultants, Inc.

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