

To: Distribution

From: Bob Hunnicutt, Tower Coordinator, Columbia Telecommunications

A meeting of the Transmission Facility Coordinating Group (TF CG) was held on July 1, 2009. The following people were in attendance:

MEMBERS

Marjorie Williams	OCCS	(240) 777-3762
Carlton Gilbert	M-NCPPC	(301) 495-4577
Helen Mu (via phone)	DTS	(240) 777-2804
Mary Pat Wilson	MCPS	(240) 314-4707
John Cuff (via phone)	OMB	(240) 777-2762

STAFF

Bob Hunnicutt (via phone)	CTC	(301) 933-1488
Martin Liebman	CTC	(301) 933-1488

OTHER ATTENDEES

Hillorie Morrison	T-Mobile
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Action Item Meeting Minutes: Carlton Gilbert moved the minutes be approved as written. Helen Mu seconded the motion and the minutes were unanimously approved.

Action Item Consent Agenda Applications:

1. AT&T application to attach one dish antenna at the 92' level on the 84' WSSC Woodmont water tank located at 1945 Seminary Place in Silver Spring (Application #200906-02).
2. Verizon Wireless application to replace antennas at the 147' level of a Park Ritchie Apartment building property located at 7600 maple Avenue in Takoma Park (Application #200906-24).
3. Clearwire application to attach three dish antennas at the 95' level on the penthouse walls atop the nine-story Woodmont Condo building located at 8120 Woodmont Avenue in Bethesda (Application #200907-02).
4. Clearwire application to attach three dish antennas at the 140' and 145' levels on a monopole on Knights of Columbus property located at 17001 Overhill Road in Gaithersburg (Application#200907-03).
5. Clearwire application to attach two dish antennas at the 74' and 77' level of the Writ Building located at 10400 Connecticut Avenue in Kensington (Application #200907-05).
6. Verizon Wireless application to attach three panel antennas at the 205' level atop the 180' NRC Building located at 11555 Rockville Pike in Rockville (Application #200907-38).
7. Verizon Wireless application to replace antennas at the 123' level of a 130' monopole on Cabin John VFW Post property located at 11511 MacArthur Boulevard in Potomac (Application #200907-40).
8. Verizon Wireless application to replace antennas at the 85' level of the 67' Concord Building located at 10605 Concord Street in Kensington (Application #200907-41).

Motion: Carlton Gilbert moved the Consent agenda items be recommended. Mary Pat Wilson seconded the motion and it was unanimously approved.

Action Item: Verizon Wireless application to add three antennas at the 75 and 90 levels of a 140 Takoma Tower building located at 7051 Carroll Avenue in Takoma Park (Application #200906-09).

Bob Hunnicutt summarized the application noting that since the building to which the antennas were to be attached is in an historic district in Takoma Park, a permit would be required from The Historic Preservation Society and the Tower Coordinators recommendation was conditioned on obtaining approval for that permit.

Motion: Mary Pat Wilson moved the application be recommended conditioned on obtaining a permit by the Historic Preservation Society. Carlton Gilbert seconded the motion and it was unanimously approved.

Action Item: Clearwire application to attach four dish antennas at the 151' and 154' levels of the 154' monopole on Tri-State Stone Quarry property located at 8200 Seven Locks Road in Bethesda (Application #200907-04).

Bob Hunnicutt summarized the application noting that this monopole is permitted by a Special Exception which requires subsequent carriers seeking to place antennas on the monopole to notify the Board of Appeals of their plans. He explained that the original Special Exception was opposed by the community, so in order to minimize the visual impact on the community, the initial Board of Appeals opinion limited the number of carriers who could place antennas on the structure. Subsequent changes to the zoning text permitted co-location attachments by-right which preempted such limitations. However, in the interest of keeping the community informed, the Board of Appeals has requested that subsequent carriers for this site advise the Board so they can notify the interested parties in the community. Consequently, the Tower Coordinators recommendation was conditioned on notifying The Board of Appeals of Clearwires proposed attached microwave dishes.

Motion: John Cuff moved the application be recommended conditioned on Clearwire notifying the Board of Appeals of its plan to attach microwave dishes at the site. Mary Pat Wilson seconded the motion and it was unanimously approved.

Action Item: Verizon Wireless application to add three antennas at the 206' level of a 197' Rock Creek Terrace Apartments building at located at 12630 Veirs Mill Road in Rockville (Application #200907-39).

Mr. Hunnicutt summarized the application noting that this building is one where there are many antennas on the roof. He noted that since the cumulative effect of the emissions may create a hazardous condition for workers who may access the roof, the Tower Coordinator's recommendation was conditioned on the carrier complying with the requirements of FCC OET Bulletin 65 regarding precautionary measures to advise and protect the public working on the roof.

Motion: Carlton Gilbert moved the application be recommended conditioned on the carrier complying with the requirements of FCC OET Bulletin 65 regarding cumulative RF emissions. Helen Mu seconded the motion and it was unanimously approved.

Action Item: Verizon Wireless application to replace antennas at the 125 level of the 190 Oakmont monopole located at 16801 Oakmont Avenue in Gaithersburg (Application #200907-42).

Bob Hunnicutt summarized the application noting that since this monopole is fully loaded the Tower Coordinators recommendation is conditioned on submission of a structural analysis to DPS with a copy to the Tower Coordinator which states the antennas may safely be attached.

Marjorie Williams asked how DPS evaluated the structural analysis. Mr. Hunnicutt replied that he would check with Dave Niblock for his response, but noted that the recommendation from the TFCG, if conditioned on submission of a structural analysis, would flag the matter for the permitting officers as they consider issuing a permit.

Hillorie Morrison added that, based on her experience, the DPS would not issue a permit until those issues had been satisfactorily addressed.

Motion: Mary Pat Wilson moved the application be recommended conditioned on the applicants submission of a structural analysis to DPS with a copy to the Tower Coordinator which states the antennas may safely be attached. Carlton Gilbert seconded the motion and it was unanimously approved.

Action Item: T-Mobile application to attach antennas at the top of a new 150 monopole on the Warfield property located at 25723 Woodfield Road in Damascus (Application #200906-04).

Bob Hunnicutt summarized the application and the Tower Coordinators review of this proposal to construct a new monopole just south of Damascus alongside Woodfield Road. He noted that passers-by on Woodfield Road as well as nearby residents will have a clear view of the monopole since it is proposed to be constructed in the middle of pasture land with little around the site to screen it. He stated that the applicant had provided photo simulations of the monopole which appeared to be a fair depiction of the height and location of the structure on the property but noted that the overall image, especially the antenna array at the top of the monopole, appeared to be much smaller than the array planned for this site.

He referred the members to the map on page 2 of the Tower Coordinators recommendation form bringing to their attention the illustrations denoting the locations of the existing monopole on Lewis Drive; County and WSSC-owned structures in Damascus; two churches identified during his site visit as alternatives for co-location in lieu of constructing a new monopole; and the proposed location for the new monopole.

Mr. Hunnicutt remarked that because the County and the WSSC structures were so close to the T-Mobile antennas on the Lewis Drive monopole, those co-location options were ruled out because they may not provide any significant additional coverage than that already provided from the T-Mobile antennas on Lewis Drive.

Mr. Hunnicutt noted he had asked the applicant if T-Mobile had considered use of either of the church facilities to support its antennas. He noted that the applicant had replied that antennas at those locations would not meet T-Mobiles coverage objective and had provided supporting RF contour maps supporting that conclusion. Mr. Hunnicutt asked CTCs engineer, Marty Liebman, to explain his conclusions from reviewing the engineering data submitted with the application.

Mr. Liebman stated that the area described in the application as the target service area (which is also outlined on the illustration on page 2 of the Tower Coordinators Recommendation) is fairly rural in nature with few residential homes. He noted that the Catholic Church is within that defined area. He also noted that when T-Mobile submitted RF contour maps supporting why they ruled out the two churches as co-location options, they also redefined the target coverage area for the proposed antennas to include the areas "south of Damascus." He stated that given the revised coverage area, based on the RF maps, it appears that antennas as proposed at the 147' level may meet the new coverage objective by providing indoor reception in the redefined service area, which would now include the many residential areas that are west of Woodfield Rd. He added that based on review of the RF maps showing the calculated coverage with antennas at the 127' and 107' level, he did not see much difference in coverage between those two elevations, either east or west of Woodfield Rd. He said neither of the maps with antennas at the lower elevations appeared to provide the same extensive coverage at the target signal levels to the residential areas west of Woodfield Road as the maps illustrating the coverage to that area with antennas at the 147' level.

Mary Pat Wilson asked if drive test results had been provided. Mr. Hunnicutt stated that he had asked the applicant if drive tests had been performed and was advised that they had not been done. Consequently no drive test data supporting the need for additional height of up to 147' was available.

Marjorie Williams asked why the target coverage objective for these antennas had been changed. Hillorie Morrison explained that this was the first T-Mobile application that she had prepared in quite a while and that she had simply neglected to include the residential areas south and west of this site in the statement of the target service area.

Ms. Williams also asked why the antennas could not be at an elevation lower than 147' above ground to minimize the visual impact of the facility. Ms. Morrison explained that T-Mobile was looking to provide in-building coverage to all the residential areas in the vicinity of this site. She explained that in todays market, many of T-Mobiles customers have no land-line phone service and rely solely on their mobile phone for their telephone communications; consequently, T-Mobile seeks to provide signal levels at sufficient strength to

penetrate buildings and provide service within residences.

Mary Pat Wilson asked if there were other support structures along Route 27 to which antennas might be attached to provide sufficient coverage to residences in this area in lieu of this monopole. Mr. Hunnicutt replied that no other existing structures were identified during the site visit that would allow T-Mobile to attain the coverage objectives along Route 27. He noted that there is a low water tank south of the proposed service area along Route 27 and beyond that a monopole, but both of those sites were likely too far away to have any significant impact on service to the residential areas intended to be covered by the monopole on Woodfield Road.

Carlton Gilbert asked about the maximum permitted height of a monopole in this zone. Mr. Hunnicutt replied it was 155'. Mr. Gilbert also asked if any outreach had been provided to advise residents of plans to construct the monopole. Ms. Morrison explained that had not yet occurred but would be part of the Special Exception review process.

Mr. Hunnicutt explained that the Tower Coordinators recommendation for this application was conditioned on the Board of Appeals granting a Special Exception for the monopole and that the site plans be revised to show screening as required by the zoning ordinance.

Motion: Helen Mu moved the application be recommended conditioned on the Board of Appeals granting a Special Exception for the monopole and that the site plans be revised to show screening as required by the zoning ordinance. John Cuff seconded the motion and it was approved with Carlton Gilbert abstaining.

The next meeting of the TFCG is scheduled for Wednesday, August 5, 2009 at 2 p.m. in the second floor conference room #225 of the COB.