



ARLINGTON COUNTY, VIRGINIA

County Board Agenda Item
Meeting of November 17, 2012

SUPPLEMENTAL REPORT – REVISED RECOMMENDATION AND CONDITIONS

DATE: November 19, 2012

SUBJECT: U-2823-94-4 USE PERMIT AMENDMENT for a telecommunications facility and to amend Condition #1 of the existing use permit to increase the maximum size of permitted antennas for Sprint (at the Lee Pumping Station site); located at 2400 N. Wakefield St. (RPC #05-005-072)

C.M. RECOMMENDATION:

Approve the use permit amendment, subject to all previously approved conditions, with revised Conditions #1, #2, and #8 as set forth below, and with an administrative review in one (1) year (November 2013), and with a review by the County Board in three (3) years (November 2015).

DISCUSSION: This report provides additional language to Conditions #1, #2, and #8 of the use permit which requires notification to the Analostan Home Owners' Association of any new antenna/equipment installations on the Lee Pumping Station telecommunications facility. Furthermore, Condition #1 includes language specifying that satisfactory radio frequency ranges as described by the Federal Communications Commission (FCC) standards are to be measured for "general population/uncontrolled exposure" (per the definition provided by the FCC's Office of Engineering and Technology). These standards are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure. As specified by the FCC, members of the general public always fall under this category when exposure is not employment-related, as in the case of residents in an area near a broadcast or other telecommunications tower.

County Manager:

BMD/GA

County Attorney:

[Handwritten signatures]

Staff: Marco Antonio Rivero, DCPHD, Planning Division

PLA-6310

6.

Revised Conditions #1, #2, and #8:

1. The applicant agrees to ~~limit the number of antennae to six (6) panel antennae (not to exceed 54 inches in length by 9 inches in width)~~ install all new antennas and related equipment as shown on the application package dated August 6, 2012 (for Sprint) and to maintain any other existing telecommunications antennas and related equipment on-site intact. New antennas shall be mounted at a radial center (RAD) height no greater than 148' above ground level and shall not be larger than 80 inches in length and 16 inches in width. All antennae shall be mounted on the catwalk railing of the water tower and shall be painted to match the color of the tank. No antennae are to be installed on the top of the tank or on the tank's legs or support structure. The applicant agrees that any future installation of antennas on this property that are in keeping with the intent of the use permit conditions and all Federal, State, and Local regulations shall be subject to review, and approval, by the Zoning Administrator. The Zoning Administrator shall approve the installation of such antennas and related equipment if he or she finds that such antennas and related equipment will (1) achieve satisfactory radio frequency ranges as specified by the Federal Communications Commission (FCC) standards **for general population/uncontrolled exposure** which are not injurious or detrimental to the public welfare, via a radio frequency/electromagnetic emissions report upon submission of the administrative change request (2) the proposed antennas are mounted at a RAD height no greater than 148' above ground level on the same or similar mounts located on the catwalk railing, and (3) that the first emissions test for any new antennas shall be submitted one (1) month after their installation to the Zoning Administrator, the Presidents of the Donaldson Run and Old Dominion Civic Associations, **President of the Analoastan Home Owners' Association**, and the Director of the Emergency Communications Center for their records. If at any time the applicant's operations cause it to exceed the standards specified by the FCC, then the applicant agrees to immediately cease operations until the violation can be corrected.
2. The electromagnetic emissions from the applicant's antennae shall at all times comply with the ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 KHz to 300 GHz, as adopted by the Federal Communications Commission in its Second Order and Report on Personal Communications Systems (Adopted: September 23, 1993 in Docket 90-314). The applicant agrees to have an independent engineering firm conduct, at its sole costs and expense, field measurements of its electromagnetic emissions. The first test shall be conducted within 30 days after the applicant's equipment is installed and becomes operational. Thereafter, the test shall be conducted annually from the approval date of the special exception use permit (January 7, 1995). True and correct copies of the field measurement, certified by an engineer licensed to practice in the Commonwealth of Virginia, shall be submitted to the Zoning Administrator, the Presidents of the Donaldson Run and Old Dominion Civic Associations, **the President of the Analoastan Home Owners' Association**, and the Director of the Emergency Communications Center within 30 days of the test completion no later than June 1st of each year. If at any time the

applicant's operations cause it to exceed the standards set forth in the above ANSI standard, then the applicant agrees to immediately cease operations until the violation can be corrected. The applicant agrees not to continue operations until such time as the system is operating within the applicable standard.

8. The applicant shall establish and identify a liaison who shall be available to address any concerns regarding its operations at the Lee Pumping Station. The name and telephone number of the liaison shall be sent to the Donaldson Run Civic Association, ~~and~~ the Old Dominion Civic Association, the Analostan Home Owners' Association, and to the Zoning Administrator.