



Site Development
Washington/Baltimore

Sprint PCS
6905 Rockledge Drive
Bethesda, MD 20817
Voice 301-214-9200
Fax 301-571-1158

VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED

February 15, 2000

Mr. Reggie Nixon
Dept. of Community Planning, Housing and Development
#1 Courthouse Plaza
2100 Clarendon Blvd, Suite 608
Arlington, Virginia 22201

**Re: Deed of Lease dated 2/25/98 between the County Board of Arlington County
Virginia and APC Realty and Equipment Co. for the lease of the Lee Pumping
Station water tank (WAC005).**

Dear Mr. Nixon:

Enclosed please find the 2000 Report on Measurements of Radio-Frequency Fields made on
behalf of Sprint PCS in the vicinity of Lee Pumping Station, Arlington, Virginia.

If you have any questions or concerns, please call me at 301-214-9234.

Sincerely,

Greg Soule.
Property Specialist

Cc: Mr. Robert Zimmerman, Old Dominion Civic Association
Mr. Ned Rhodes, Donaldson Run Civic Association
Mr. Steve Souder, Arl. Co. Emergency Comm. Center
Mr. Carlton Gilbert, Zoning Administrator

Jules Cohen, P.E.
Consulting Engineer

**ENGINEERING REPORT
2000 MEASUREMENTS OF RADIO-FREQUENCY FIELDS
MADE ON BEHALF OF SPRINT PCS
IN VICINITY OF LEE PUMPING STATION, ARLINGTON, VIRGINIA**

At the request of Sprint PCS, measurements were made on Tuesday, January 18, 2000, of the levels of radio-frequency ("RF") power density in the vicinity of the Lee Pumping Station, Arlington, Virginia. This report describes the measurements made and the results obtained.

The measurements of power density were begun at 9:00 a.m. and continued for approximately an hour and a half. A determination was first made that the PCS transmitters, feeding energy to the antennas mounted on the catwalk railing of the water tower, were operating at their normal output. The measurements were conducted using a Narda, Model 8718 (S/N 1155) meter with a Model B8742D (S/N 01004) probe last calibrated by the manufacturer on April 29, 1999. The Model B8742D probe covers the entire RF spectrum from 300 kHz to 3.0 GHz (3,000 MHz). The probe has a shaped response providing an output permitting the meter to read in terms of percent of the Federal Communications Commission's 1997 standard for the general population/uncontrolled environment.

A feature of the Narda meter is a built-in power source that permits checking the several elements making up the probe. To provide uniform pickup in all directions, the probe includes three, orthogonally arranged antennas, the outputs of which are added. The normal operation of each of the three arms can be confirmed. This was done prior to use of the meter and probe for measurement purposes. The meter was also "zeroed" following the procedure prescribed by the manufacturer. Another feature of the meter that was employed is the retention of the maximum reading during any reading cycle at a location.

The exposure standard is based on whole body average; therefore a scan is made that approximates the cross section of the body and the average noted. For the purpose of this study, the maximum reading during each scan was recorded also. Both average and peak are included in the results shown.

Measurements were made just outside the pumping station fence and in the streets including 24th, 25th, Wakefield, Vernon, Woodrow and Wakefield Court. Results are included in the tabulation on the following page.

As shown in the tabulation, the total RF power density from the Sprint PCS transmission plus all other emission sources within the range of frequencies from 300 kHz to 3 GHz is substantially below the exposure permitted by the Federal Communications Commission for the uncontrolled (general population) environment.

The exposures measured show a high degree of variability. That variability (and magnitude) is a function of shielding provided by terrain and by the changes in usage of paging and land mobile transmitters sharing the Lee Pumping Station site. The Personal Communications Service transmitters' contribution to the total is of a minor nature. The magnitude of RF exposure measured this year is greater than that measured in 1999, but comparable to what was measured in 1997. Usage of land mobile transmitters, unlike that of Sprint PCS, is highly variable and is likely to account for the variability noted since the several measurements were made at approximately the same time of year, thus avoiding likely effects from foliage.

Jules Cohen, P.E.
Consulting Engineer

Engineering Report
Measurements at Lee Pumping Station

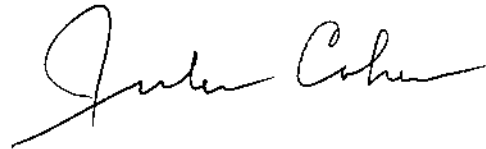
Page 3

Location	Average % of Standard	Peak % of Standard
At Pumping Station Fence Gate	5.55	5.7
Road Alongside Fence	5.64	6.4
24th and N. Wakefield	5.43	5.6
2245 N. Vernon	8.75	12.2
2336 N. Vernon	6.61	7.2
2355 N. Vernon	7.57	9.5
4409 25th North	8.15	10.0
4415 25th North	6.80	7.1
4427 25th North	6.78	7.0
2425 N. Woodrow	7.18	7.8
2408 N. Woodrow	6.97	7.3
23rd St. and N. Wakefield	8.60	10.7
23rd Rd. and N. Wakefield	10.95	16.5
24th and N. Wakefield Ct.	7.35	7.5
2455 N. Wakefield Ct.	7.29	7.4
2471 N. Wakefield Ct.	7.36	7.5
4631 24th North	7.61	8.1
4651 24th North	7.83	8.3
Entrance to Missionhurst	7.59	7.9
4710 25th North	7.87	8.2

Jules Cohen, P.E.
Consulting Engineer

Engineering Report
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Page 4

A handwritten signature in cursive script that reads "Jules Cohen". The signature is written in black ink and is positioned to the right of the center of the page.

Jules Cohen, P.E.
Va. Cert. No. 359

January 18, 2000