



Transmittal Letter

Washington / Baltimore

Lease Management

6905 Rockledge Drive
Bethesda, MD 20817
Voice 301 214 9200
Fax 301 214 9492

Date: February 18, 2002	Site Number: DC03XC179
	Site Name: Lee Pumping Station
To: Donaldson Run Civic Association, Old Dominion Civic Association, Zoning Administrator, and Director of the Arlington County ECC	Landlord Name: The County Board of Arlington County, Virginia

TRANSMITTED HEREWITH:

- Review
- For Your Use
- Record XXX
- Information

Enclosed:

- New LMF
- Revised LMF
- Check Request
- Checks
- Utility Invoice
- Landlord Change of Address Notice
- Other XXX

Comments:

Sir Or Madam

I have enclosed a copy of the annual radio frequency emission test dated 1/28/02 for your information.

301-896-9519

Bernard Fitzgerald
Lease Manager

Hello Mr. Fitzgerald,

What follows is a list of all the contacts with which the Lee Pumping Station users much reach, in order to comply with the conditions approved with the Telecommunications Use Permit (U-2823-94-4) at 2400 North Wakefield Street. Attached is copy of the use permit conditions approved with the THEN APC user. Please call me if there are any questions or concerns.

Thank You, Reggie Nixon, CPHD Planning Division (W=703-228-3529):

EMISSION TEST RECIPIENTS
FOR THE
LEE PUMPING STATION
USE PERMIT CONDITION REQUIREMENTS

March 8, 2001

CIVIC ASSOCIATIONS

1. Peter Fallon, President
Donaldson Run Civic Association
2234 North Trenton Street
Arlington, Virginia 22207 (H)=703-522-5368
2. James Smerchansky, President
Old Dominion Citizens Association
2528 North Buchanan Street
Arlington, Virginia 22207 (H)=703-241-9107

ZONING ADMINISTRATOR

Terry Russell, Zoning Administrator
Arlington County Zoning Office
2100 Clarendon Boulevard, Suite #812
Arlington, Virginia 22201 (W)=703-228-3889

DIRECTOR OF THE ARLINGTON COUNTY EMERGENCY COMMUNICATIONS CENTER
(ECC)

Steve Souder, Administrator
Arlington County ECC
1400 North Uhle Street, 5th Floor
Arlington, Virginia 22201

(W)=703-228-4080

Jules Cohen, P.E.
Consulting Engineer

e-mail: jcohen@denny.com

2111 Wilson Blvd., Suite 600
Arlington, Va. 22201-3052

Tel: 703-351-5033
Fax: 703-351-5830

January 28, 2002

Mr. Cyrus Raiszadeh
Sprint PCS
6905 Rockledge Drive, Suite 100
Bethesda, MD 20785

Dear Cyrus:

With this letter you will find the original and one copy of the report describing the RF measurements made in the vicinity of the Lee Pumping Station, Arlington, Virginia, on January 25, 2002. Except for a location on Woodrow Street where new construction has required a minor change in address, the locations used are the same as have been employed ever since Arlington County imposed the measurement requirement on Sprint PCS (actually, at that time, the entity was American Personal Communications).

Please let me know if anything more is needed.

Sincerely yours,



Jules Cohen, P.E.

Enclosures

Copy
ORIGINAL

Jules Cohen, P.E.
Consulting Engineer

**ENGINEERING REPORT
2002 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 Friday, January 25, 2002, 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 approximately 1:p.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 8718B (S/N 01155) meter with a Model B8742D (S/N 01004) probe last calibrated by the manufacturer on May 18, 2001, and periodically checked for continued accuracy. The Model B8742D probe covers the entire RF spectrum from 0.3 to 3,000 MHz (millions of cycles per second). 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 0.3 to 3,000 MHz is substantially below the exposure permitted by the Federal Communications Commission for the uncontrolled (general population) environment.

The exposures measured from year to year show a high degree of variability. That variability (and magnitude) is principally a function of 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 higher than that measured in 2001, but similar in magnitude to that measured in 1999. 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 Coben, P.E.
Consulting Engineer

Engineering Report
Measurements at Lee Pumping Station

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Location	Average % of Standard	Peak % of Standard
At Pumping Station Fence Gate	3.000	3.243
Road Alongside Fence	1.987	2.568
24th and N. Wakefield	3.506	3.937
2245 N. Vernon	6.843	8.100
2336 N. Vernon	6.056	6.356
2355 N. Vernon	6.393	6.693
4409 25th North	10.81	11.83
4415 25th North	10.21	10.46
4427 25th North	11.71	12.30
2411 N. Woodrow	10.44	10.68
23rd St. and N. Wakefield	11.38	12.13
23rd Rd. and N. Wakefield	9.525	9.656
24th and N. Wakefield Ct.	10.95	11.26
2455 N. Wakefield Ct.	10.10	10.33
2471 N. Wakefield Ct.	10.05	10.16
4631 24th North	10.44	10.74
4651 24th North	10.98	11.56
Entrance to Missionhurst	10.12	10.38
4710 25th North	10.33	10.61

Jules Cohen, P.E.
Consulting Engineer

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Measurements at Lee Pumping Station

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I declare under the penalty of perjury that the foregoing is correct to the best of my knowledge and belief.



Jules Cohen, P.E.

January 28, 2002

