

February 12, 1997

William Vercasio, Environmental Radiation Specialist  
New York State Department of Environmental Conservation  
50 Wolf Road  
Room 402  
Albany, New York 12233-7255

70-97

SUBJECT: REVISION TO SURVEY OF PUBLIC AREA ADJACENT TO THE FORMER  
SYLVANIA ELECTRIC PRODUCTS, INC FACILITY

Dear Mr. Vercasio:

On November 19, 1996, Steve Shaffer of this office assisted in the survey performed by your office of the public area adjacent to the former Sylvania Electric Products, Inc. facility Hicksville, New York. The results of Region I laboratory analysis of the four soil samples collected are provided below. Per your conversation with Steve Shaffer on February 6, 1997, the positions of samples A, B, and C are being clarified. This letter replaces our previous transmittal dated January 28, 1997, changes from the original letter are indicated below in bold. Analysis was performed via gamma spectroscopy. The uranium-238 activity is inferred from its daughter protactinium-234m.

SAMPLE A

Sample A was collected approximately **two and one-half feet** from the east side of the fence separating the golf driving range from the properties on Cantiague Rock Road and 15 feet south of the property boundary between Magazine Distributors and Gilbert Displays.

|             |                 |                             |
|-------------|-----------------|-----------------------------|
| Uranium-238 | $6.8 \pm 0.6$   | picocuries per gram (pCi/g) |
| Radium-226  | $1.6 \pm 0.5$   | pCi/g                       |
| Uranium-235 | $0.42 \pm 0.03$ | pCi/g                       |

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SAMPLE B

Sample B was collected approximately **two and one-half feet** from the east side of the fence separating the golf driving range from the properties on Cantiague Rock Road and 15 feet north of the property boundary between Magazine Distributors and Gilbert Displays.

|             |                 |       |
|-------------|-----------------|-------|
| Uranium-238 | $11.1 \pm 1.0$  | pCi/g |
| Radium-226  | $1.7 \pm 0.7$   | pCi/g |
| Uranium-235 | $0.54 \pm 0.04$ | pCi/g |

SAMPLE C

Sample C was collected approximately **two and one-half feet** from the east side of the fence separating the golf driving range from the properties on Cantiague Rock Road approximately one foot from the fence on the golf driving range side and 105 feet north of the property boundary between Magazine Distributors and Gilbert Displays.

|             |                 |       |
|-------------|-----------------|-------|
| Uranium-238 | $3.5 \pm 0.7$   | pCi/g |
| Radium-226  | $1.0 \pm 0.4$   | pCi/g |
| Uranium-235 | $0.16 \pm 0.03$ | pCi/g |

SAMPLE D

Sample D was collected on the East side of the golf driving range just outside the east fence of the golf driving range, approximately 200 meters due east of the location of the other samples. This sample was intended to be representative of the background concentrations of radioactive material in the vicinity of the former Sylvania property.

|             |                 |       |
|-------------|-----------------|-------|
| Uranium-238 | $0.9 \pm 0.4$   | pCi/g |
| Radium-226  | $0.2 \pm 0.3$   | pCi/g |
| Uranium-235 | $0.06 \pm 0.02$ | pCi/g |

In accordance with Section 20.10 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulation, a copy of this letter will be placed in the Public Document Room. No reply to this letter is required.

Should you have any further questions, please contact Steve Shaffer at (610)-337-5256 or Mark Roberts at (610)-337-5256. Your cooperation with us is appreciated.

Sincerely,

**Original Signed By:**  
**Ronald R. Bellamy**

Ronald R. Bellamy Ph.D., Chief  
Decommissioning & Laboratory Branch  
Division of Nuclear Materials Safety

Docket No.: 070-00097  
License No.: SNM-82 (Terminated)

cc:

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| NAME   | SShaffer <i>SS</i> |   | RBellamy <i>RB</i> | CGordan <i>CG</i>   |         |
| DATE   | 02/12/97           |   | 02/1/97            | 02/1/97 <i>pure</i> | 02/ /97 |

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