

RETURN TO 396-SS PDR

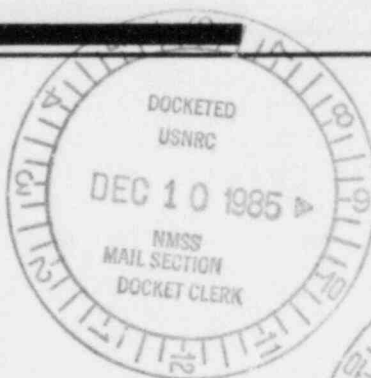
Nixon

40-6500

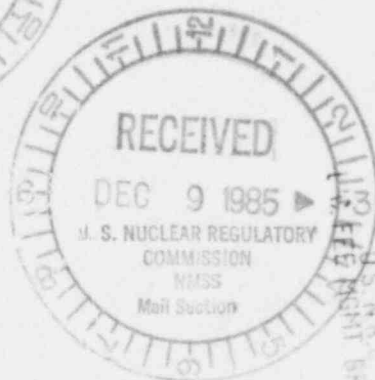


MONSANTO

Operated for the United States
Department of Energy



March 11, 1985



Mr. William T. Crow
Assistant Director
Fuel Cycle Safety and Licensing
Division of Fuel Cycle and Materials
Safety (MS 396-SS)
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Crow:

Please find enclosed a summary of data from the radon monitoring network in the Canonsburg, Pennsylvania area for the period of November 1, 1984 through January 31, 1985. During this period, the average off-site radon concentrations ranged from 0.18 to 0.57 picocuries per liter. The quarterly average radon concentrations at the control group locations ranged from 0.18 to 0.27 picocuries per liter and averaged 0.22 picocuries per liter. Average on-site concentrations ranged from 0.24 to 0.47 picocuries per liter. Average indoor school radon concentrations during this time period ranged from 0.42 to 2.8 picocuries per liter.

The data reported here are summarized in two tables listing monitoring locations and radon concentrations. Maps showing the outdoor locations are enclosed. All off-site indoor monitoring is being performed at local schools. A cross-reference table linking CAR designator with school location is enclosed.

If there are any questions concerning the radon monitoring program, please call me at 513/865-4156.

Sincerely,

Clifford R. Rudy

Clifford R. Rudy, PhD
Radon Program Manager

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PDR ADDOCK 04006500
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CRR:bp
Encl. 4

1. Summary Data Sheet - Off-Site Monitoring
2. Summary Data Sheet - On-Site Monitoring
3. Cross-Reference Table
4. Maps (2)

FREE EXEMPT

26154

MOUND RADON PROGRAM
SUMMARY OF CANONSBURG OFF-SITE MONITORING DATA
11/01/84 to 01/31/85

	Outdoor Location	Average Radon Concentration (pCi/liter)
1	CAR34	0.57
2	CAR33	0.45
3	CAR41	0.37
4	CAR02	0.32
5	CAR36	0.32
6	CAR15	0.31
7	CAR23	0.29
8	CAR58	0.29
9	CAR45	0.28
10	CAR43	0.27
11	CAR09	0.27
12	CAR44	0.27
13	CAR05	0.27
14	CAR60	0.26
15	CAR24	0.26
16	CAR52	0.26
17	CAR64	0.26
18	CAR46	0.25
19	CAR10	0.25
20	CAR40	0.24
21	CAR50	0.24
22	CAR21	0.24
23	CAR08	0.23
24	CAR57	0.23
25	CAR25	0.23
26	CAR29	0.23
27	CAR27	0.23
28	CAR03	0.22
29	CAR11	0.22
30	CAR51	0.22
31	CAR14	0.21
32	CAR39	0.19
33	CAR38	0.19
34	CAR28	0.18
35	CAR13	0.18

Quarterly Average radon concentrations for the locations in the outdoor control group ranged from 0.18 to 0.27 pCi/liter and averaged 0.22 pCi/liter.

MOUND RADON PROGRAM
SUMMARY OF CANONSBURG OFF-SITE MONITORING DATA
11/01/84 to 01/31/85

<u>Indoor Location</u>	<u>Average Radon Concentration (pCi/liter)</u>	<u>Average Radon Progeny Conc. (Working Level)</u>
CAR53	0.49	0.004
CAR54	0.64	0.005
CAR55	2.2	0.010
CAR56	0.42	0.017
CAR59	2.8	
CAR61	0.55	
CAR62	1.2	
CAR63	1.5	

MOUND RADON PROGRAM
SUMMARY OF CANONSBURG ON-SITE MONITORING DATA
11/01/84 to 01/31/85

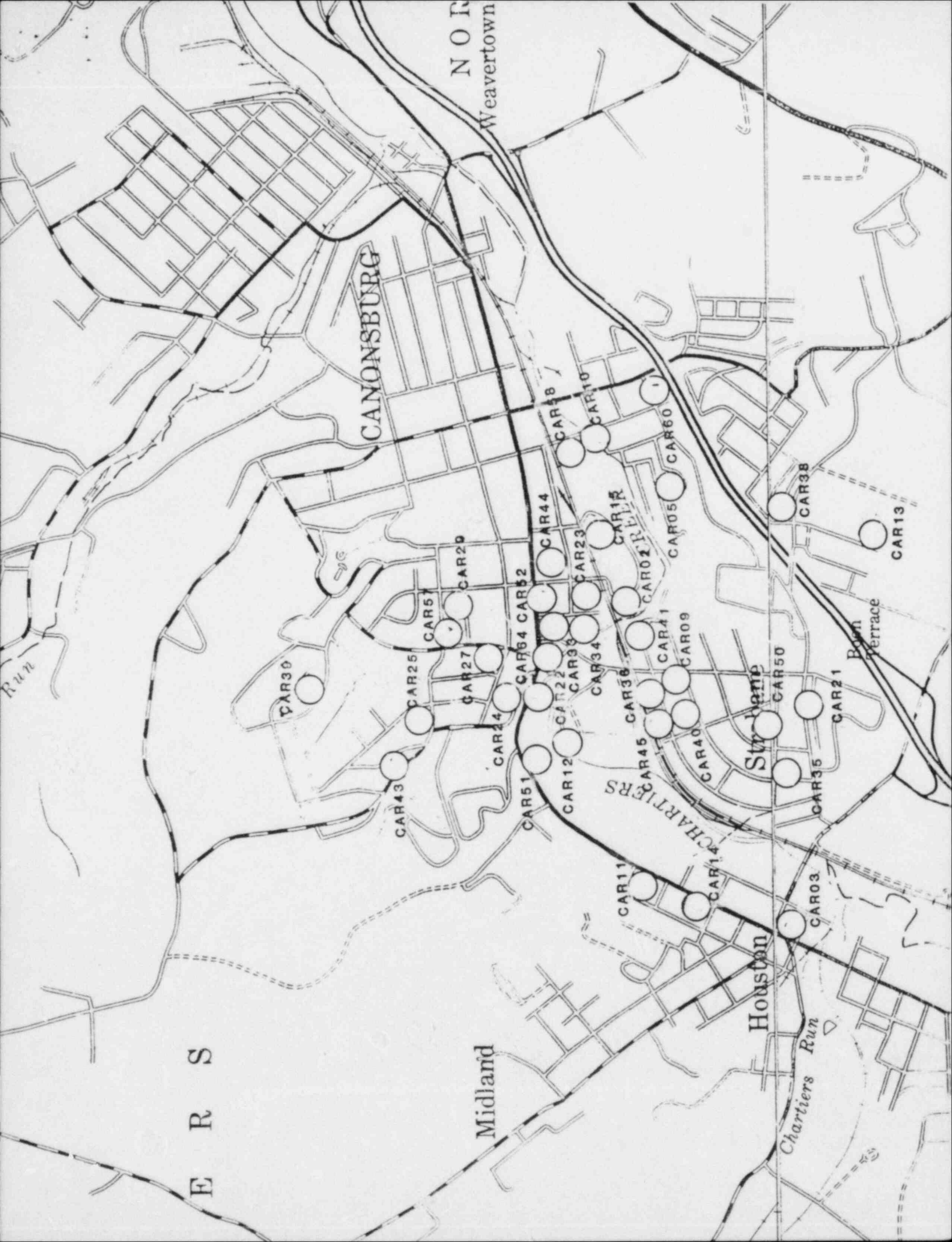
<u>Outdoor Location</u>	<u>Average Radon Concentration (pCi/liter)</u>
#10	0.47
#11	0.24
#12	0.38
#13	0.32
Bridge	0.41
Trailer	0.38

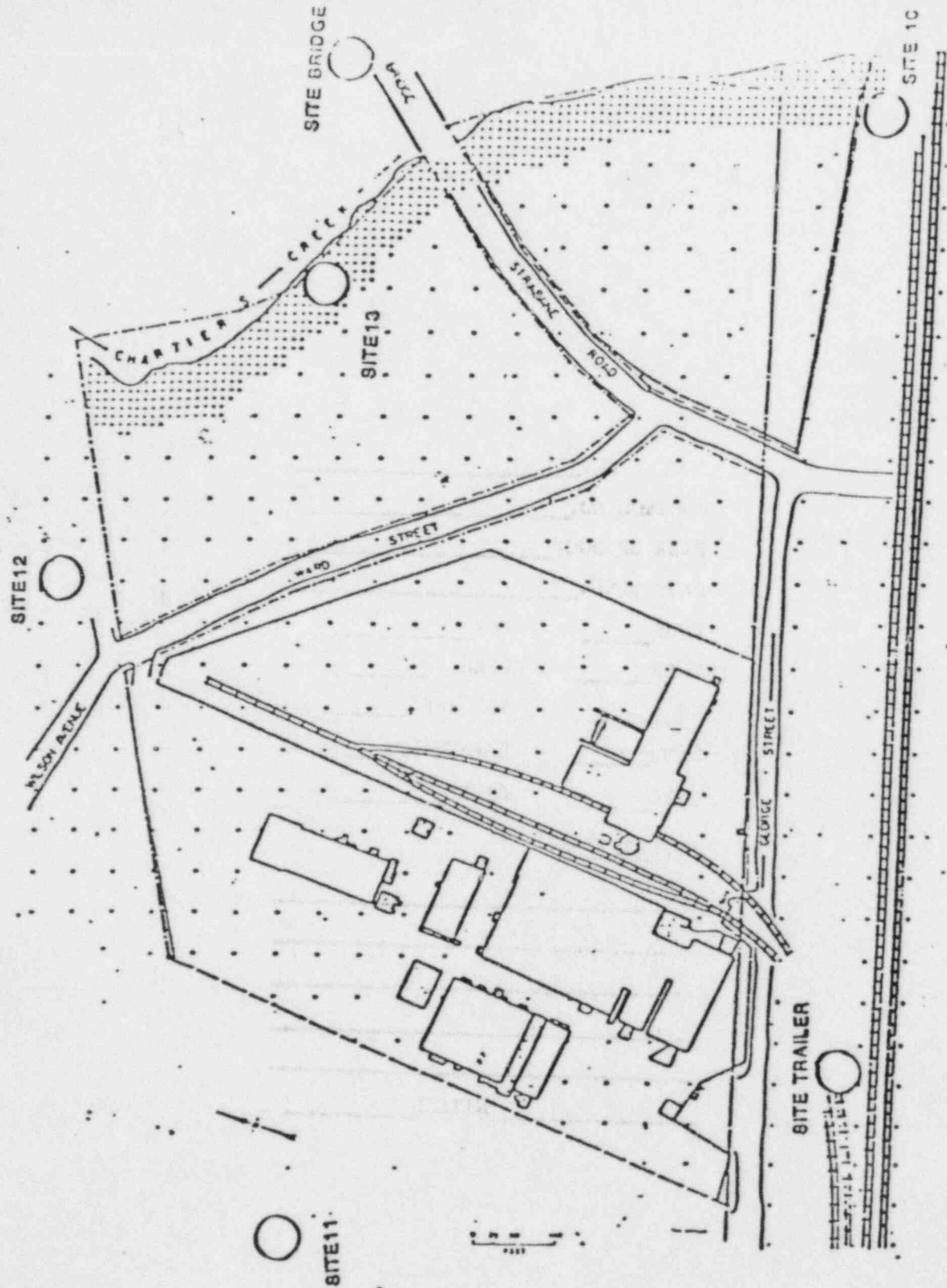
CROSS REFERENCE LIST
FOR CANONSBURG OFFSITE INDOOR DATA

CAR53	St. Patrick School (Principal's Office)
CAR54	St. Patrick School (Kindergarden)
CAR55	Canon-McMillan Senior High School
CAR56	Canon-McMillan Junior High School (Classroom)
CAR59	South Central Elementary (Classroom)
CAR61	Hawthorne Elementary School (Classroom)
CAR62	Canon-McMillan High School (Classroom)
CAR63	First Street School (Classroom)

NOTE: The following locations are not indicated on the enclosed maps:

CAR 08	4 km SW of Site
CAR 28	3 km SE of Site
CAR 46	4 km NE of Site





DOCKET NO. 40-6500
CONTROL NO. 26154
DATE OF DOC. 03/11/85
DATE RCVD. 12/09/85
FCUF ☒ PDR ☒
FCAF ☐ LPDR ☐
WM ☐ I&E REF. ☒
WMUR ☐ SAFEGUARDS ☐
FCTC ☐ OTHER ☐

DESCRIPTION:

enclosed a summary
of data from the
Radon Monitoring
network

12/12/85 INITIAL CEE