

34-13774-01

MAY 23 1985

Mr. John Morehouse  
6800 Parr Road,  
Newark, Ohio 43056

Dear Morehouse:

We have completed the laboratory analysis of the soil and water samples collected at your residence. The laboratory report is enclosed. (Note the report also includes results of other residences near the Haynes facility.)

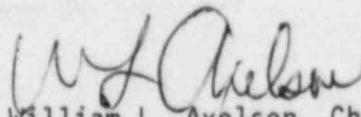
None of the samples showed any evidence of americium-241, which was the material used in the John C. Haynes laboratory. (The laboratory report shows a number preceded by a symbol "<" which means "less than." In other words, the sample had no americium that was detectable in our laboratory's sensitive measuring equipment.)

The soil samples showed trace amounts of cesium-137, which can be attributed to the nuclear weapons atmospheric testing. Similar levels are found throughout the world. None of these levels of radioactivity would be considered hazardous.

In summary, our analysis of the samples showed no detectable radioactivity attributable to the Haynes facility and only trace amounts of naturally occurring radioactivity or radioactivity resulting from weapons testing.

If you have any questions about these test results, please feel free to contact me or any of the NRC personnel at the Haynes facility.

Sincerely,



William L. Axelson, Chief  
Nuclear Materials Safety  
and Safeguards Branch

Enclosure: As stated

RIII

Caniano/jl

5/21/85

5/22/85

RIII

Srenjowski

5/22/85

RIII

Axelson

8505280268 850523

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

LABORATORY ANALYSIS REPORT

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DATE: 20 MAY 1985 3:11:09 PM  
TITLE: WATER AND SOIL SAMPLES FROM RESIDENCES NEAR J.C.HAYNES  
INSTRUMENT: LAB AND VAN ND6620'S  
SAMPLES FROM: RESIDENCES NEAR J.C.HAYNES  
SAMPLE TYPE: WATER AND SOIL  
COLLECTED BY: GIBBONS AND OHIO STATE  
COLLECTED ON: 4/18/85, 4/25/85, 4/26/85

ERRORS ARE AT THE 67% (1 SIGMA) CONFIDENCE LEVEL  
LESS THAN VALUES ARE AT THE 95% CONFIDENCE LEVEL

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SAMPLE ID.=85-166 : SAMPLE DESCRIPTION: HARMAN WATER

AM-241 < 1.42E -1 PCI/ML

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SAMPLE ID.=85-167 : SAMPLE DESCRIPTION: DUTIEL WATER

AM-241 < 1.46E -1 PCI/ML

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SAMPLE ID.=85-168 : SAMPLE DESCRIPTION: KAGLE WATER

AM-241 < 1.46E -1 PCI/ML

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SAMPLE ID.=85-169 : SAMPLE DESCRIPTION: HARMAN SOIL

CS-137 ( 4.40+/-1.94)E -1 PCI/GM  
AM-241 < 9.34E -1 PCI/GM

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SAMPLE ID.=85-170 : SAMPLE DESCRIPTION: DUTIEL SOIL

CS-137 ( 1.54+/-0.33)E 0 PCI/GM  
AM-241 < 1.22E 0 PCI/GM

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SAMPLE ID.=85-171 : SAMPLE DESCRIPTION: KAGLE SOIL

CS-137 < 4.20E -1 PCI/GM  
AM-241 < 7.35E -1 PCI/GM

SAMPLE ID. =85-175 : SAMPLE DESCRIPTION: GLASMYER WATER

AM-241 < 2.00E -1 PCI/ML

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SAMPLE ID. =85-176 : SAMPLE DESCRIPTION: GLASMYER SOIL

CS-137 ( 5.60+/-2.12)E -1 PCI/GM  
AM-241 < 8.00E -1 PCI/GM

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SAMPLE ID. =85-177 : SAMPLE DESCRIPTION: MOREHOUSE - WATER BY CREEK

AM-241 < 1.91E -1 PCI/ML

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SAMPLE ID. =85-178 : SAMPLE DESCRIPTION: MOREHOUSE - SOIL BY STUMP

CS-137 ( 1.22+/-0.19)E 0 PCI/GM  
AM-241 < 9.35E -1 PCI/GM

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SAMPLE ID. =85-179 : SAMPLE DESCRIPTION: MOREHOUSE - SOIL BY TWIN TREE

CS-137 ( 8.40+/-2.32)E -1 PCI/GM  
AM-241 < 7.61E -1 PCI/GM

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SAMPLE ID. =85-180 : SAMPLE DESCRIPTION: BOOHER WATER

AM-241 < 2.26E -1 PCI/ML

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SAMPLE ID. =85-181 : SAMPLE DESCRIPTION: BOOHER SOIL

CS-137 ( 5.12+/-1.66)E -1 PCI/GM  
AM-241 < 7.40E -1 PCI/GM

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