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34-13774-01
Q3Q Q5884

MAY 23 1985

Mr. John R. Booher
12683 Dodds Road,
Newark, Ohio 43056

Dear Mr. Booher:

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

8505280352 850523
REG3 LIC30
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RIII

Caniano/jl

5/21/85

5/22/85

RIII

Sreniawski

5/22/85

RIII

Axelson

IE07
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SAMPLE ID. =85-175 : SAMPLE DESCRIPTION: GLASMYER WATER

AM-241 < 2.00E -1 PCI/ML

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

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

AM-241 < 1.91E -1 PCI/ML

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

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

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

AM-241 < 2.26E -1 PCI/ML

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

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

LABORATORY ANALYSIS REPORT

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

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

AM-241 < 1.42E -1 PCI/ML

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

AM-241 < 1.46E -1 PCI/ML

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

AM-241 < 1.46E -1 PCI/ML

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

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

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

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