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Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for Maywood, New Jersey



U.S. Department of Energy

memorandum

DATE: FEB 23 1993 1993 FEB 26 AM 8: 58
REPLY TO: EM-421 (W. A. Williams, 903-8149)
ATTN OF:
SUBJECT: Maywood Site - Confirmation of Status on Properties
TO: S. Cange, OR

This is a partial response to your request to confirm the status of various vicinity properties in Maywood, New Jersey. There were three properties in which there were discrepancies between the database maintained at headquarters and the table attached to your memorandum.

The first of these properties is 200 Brookdale Street in Maywood. This property was designated on October 21, 1986, (copy attached). This designation was based on an OR recommendation dated September 8, 1986, (copy attached). The radiological survey at the site was performed by Bechtel, and survey data was attached to the OR recommendation.

The second property is the Hackensack and Lodi Railroad property adjacent to the Scanel commercial property. This property was also designated on October 21, 1986, based on the OR recommendation of September 8, 1986. The survey data was furnished to OR by Bechtel in a September 3, 1986, letter with control number 039650.

The property of the New York, Susquehanna, and Western Railroad was designated in a memorandum dated July 8, 1988, (copy attached). We will take appropriate steps to see that it is included into the vicinity property database. It appears that no radiological survey of this property has been performed and that the designation was based on data from adjacent properties. Despite the lack of site specific data, it is clear that some cleanup of the railroad property is necessary and that the designation is appropriate.

We are reviewing the table you furnished for completeness. We will also obtain copies of all designation letters from DOE-Headquarters to property owners, and these will be furnished to you.



W. Alexander Williams, PhD
Designation and Certification Manager
Division of Off-Site Programs
Office of Eastern Area Programs
Office of Environmental Restoration

Attachments

OCT 21 1986

NE-23

E.G.
DeLaney

10/20/86

NE-23

Scanel Property Survey and the Inclusion of Additional Vicinity Properties

Stan Ahrends, Director
Technical Services Division
Oak Ridge Operations Office

The two additional properties described in your memorandum of September 8, 1986, to me, specifically the property at 200 Brookdale Street, Maywood, New Jersey, owned by Mr. Scanel and the Hackensack and Lodi Railroad right-of-way located northwest of the Scanel property, should be included in the Formerly Utilized Sites Remedial Action Program. This decision is based on the information and data provided in the September 8 letter.

Although there is sufficient information in the September 8 letter on which to base an inclusion determination, the format of the report and the quantity of information should be modified in future reports prepared by Bechtel for designation purposes. The designation survey should collect enough information on a site to (1) determine if guidelines are exceeded, and (2) determine if there is any immediate hazard or significant risk under current use of the site. This information should be presented in the designation report, which should also clearly identify the property and its boundaries. The information provided by BNI for the two properties in your September 8 memorandum is not sufficient to determine whether there is any immediate hazard under current use of the site, and the property boundaries are not adequately identified. As a minimum in the future, a letter report should be prepared for each property and should include a brief description of the property (general use and general description), concentrations, external gamma levels and other measurements when appropriate. Figures should be included to show the property (boundaries, structures, and gardens or special use areas) and general areas of contamination. The letter report should also state which areas are known to exceed guidelines. If there could be significant risk to the property user under some circumstances, this risk should be identified.

If you have any questions regarding these comments, contact me.

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Edward G. DeLaney, Director
Division of Facility and Site
Decommissioning Projects
Office of Nuclear Energy

bcc:
Aerospace

NE-20 RF
NE-23 RF
NEG (4)
DeLaney RF

NE-23:EDeLaney:ph:353-4716:10/20/86:IBM:293/52:3.30.6

United States Government

Department of Energy

Oak Ridge Operations

memorandum

DATE: September 08, 1986

REPLY TO
ATTN OF: CE-53:Atkin 86-110

SUBJECT: SCANEL PROPERTY SURVEYS - MAYWOOD, NEW JERSEY

TO: E. G. DeLaney, NE-23, GTN

Attached for your information is a BNI letter report for the characterization of the Scanel commercial property located behind a car wash and Chinese restaurant on Essex Street in Maywood, New Jersey. Although the Scanel commercial property had previously been designated for remedial action, the BNI survey indicates a small amount of contamination exists on the right of way of the Hackensack and Lodi Railroad located northwest of the Scanel property. TSD recommends that the railroad property be designated for remedial action.

Also attached are the results of a radiological survey of a residential property owned by Mr. Scanel at 200 Brookdale Street, Maywood, New Jersey. As the data indicates, the samples collected are in excess of DOE guidelines and TSD recommends that this property also be designated for remedial action.



S. W. Ahrends, Director
Technical Services Division

Attachment:
As stated

cc: J. Wagoner, NE-23, GTN

SUBSURFACE GAMMA SCINTILLATION
RESULTS AT LOT 2, BLOCK 204
MAYWOOD, NEW JERSEY

Location*	Depth (ft)	cpm
1	1	126,561
2	1	138,459
3	1	50,111
4	1	67,564

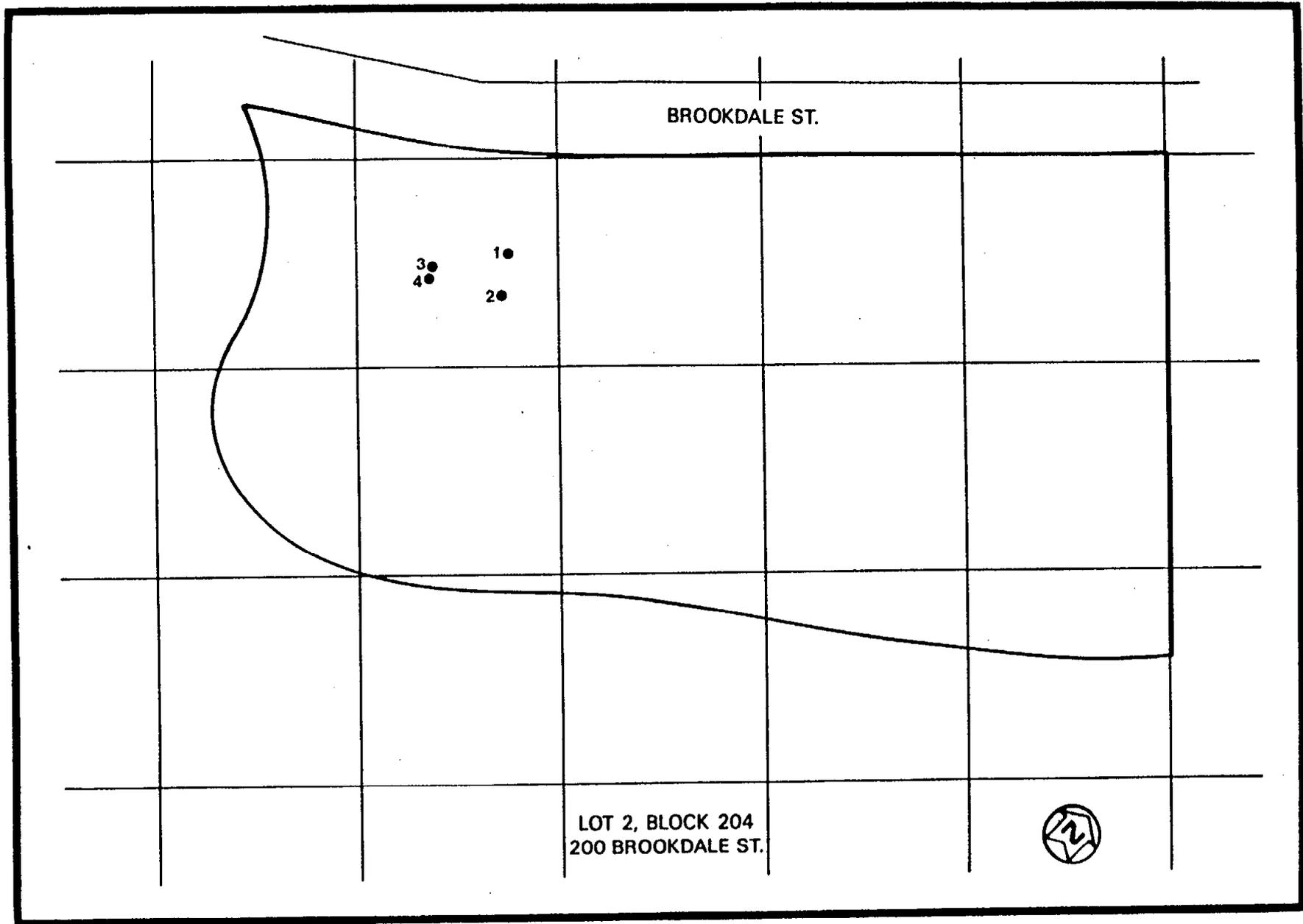
RADIONUCLIDE CONCENTRATIONS IN SOIL SAMPLES
AT LOT 2, BLOCK 204
MAYWOOD, NEW JERSEY

Sample No.	Depth (ft)	picocuries/gram \pm 1 sigma		
		Uranium-238	Radium-226	Thorium-232
1	1	<36.0	6.3 \pm .9	66.5 \pm 6.2
2	1	<31.0	2.9 \pm 1.0	57.9 \pm 4.4
3	1	<28.9	3.7 \pm 1.1	41.7 \pm 4.7
4	1	<51.2	2.5 \pm .4	35.0 \pm 6.1
5	1	<32.1	1.2 \pm .2	25.6 \pm 3.4

*Locations are within excavation for footings of garage being built on the property.

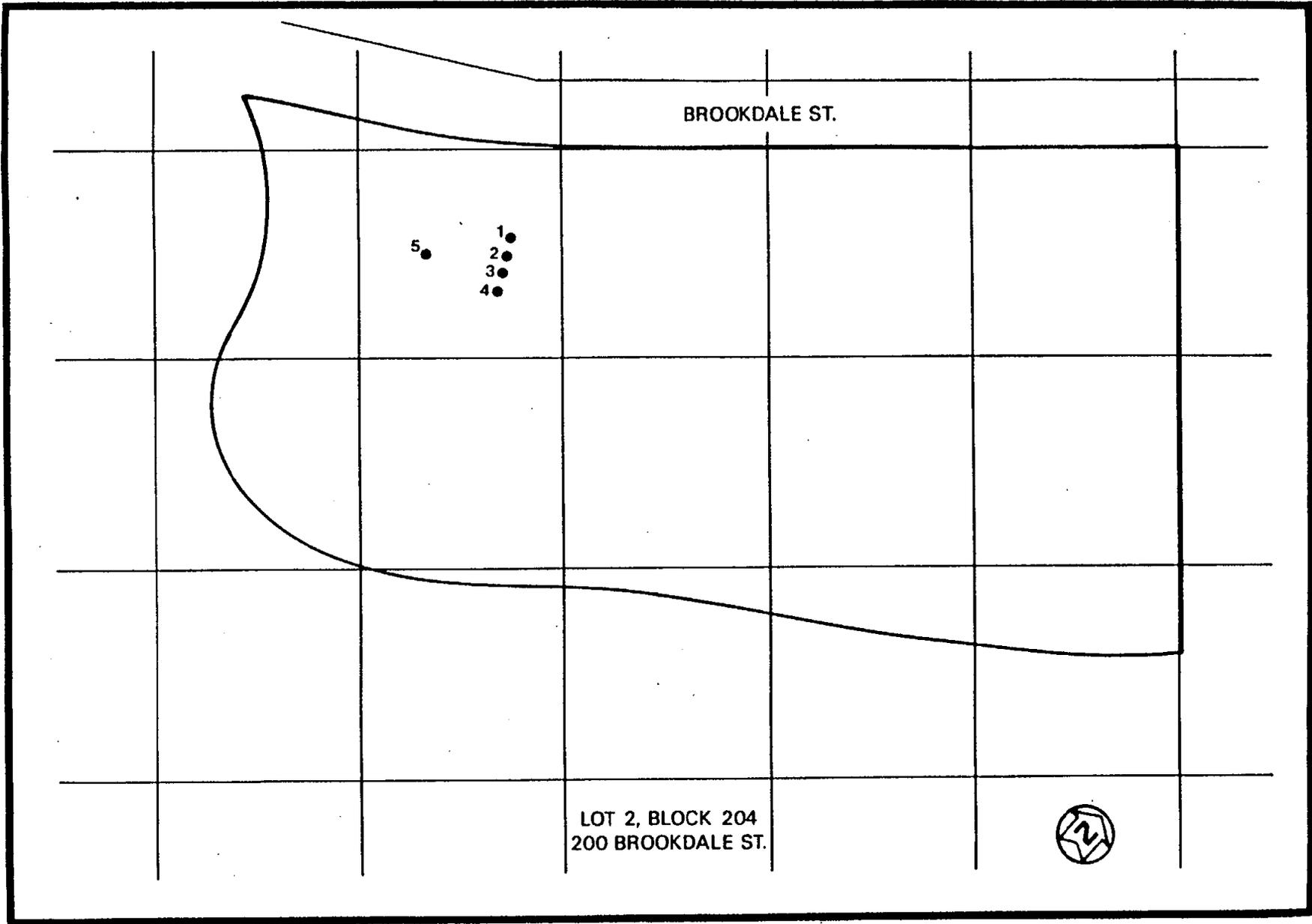
Note: 15 pCi/g is approximately equal to 35,000 counts per minute.

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LOCATIONS OF GAMMA SCINTILLATORS MEASUREMENTS

100989



LOCATIONS OF RADIOLOGICAL SOIL SAMPLES

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Figure
7/8/88

Designation of New York, Susquehanna and Western Railroad Property in Maywood

P. Gross, OR

A portion of the New York, Susquehanna and Western Railroad Corporation right-of-way borders the northern portion of the Maywood site. Based on our review of Bechtel National gamma log data and ORNL survey information from surrounding properties, the property (ORNL property No. MJ044) has been determined to contain residual radioactive material derived from the former Maywood Chemical Works processing operation. While no soil samples were analyzed from the property, considering the proximity of the right-of-way to the site, it appears highly likely that the elevated gamma measurements are the result of Maywood Chemical residues, and the property is designated for remedial action under the Maywood project.

Based on discussions between Mr. Atkin of your staff and Mr. Wallo of my staff, it is our understanding that you are presently working with the railroad to obtain consent for further characterization of the property. Because of this activity, we have not taken any steps to officially notify the company of this designation. If you wish us to make this notification, please contact Mr. Wallo.

In order to ensure that adequate information is available on this site in the designation file, you should direct Bechtel to obtain thorium and radium concentrations from soil samples as well as gamma log data during future characterization of the property. These results should be submitted to this office for the record.

If you have any questions regarding this designation, please call Andrew Wallo at FTS 233-5439.

NE-23:Wallo:pm:7/8/88
IBM: 190/05

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bcc:
W. Cottrell, OR
OTS

James J. Fiore, Director
Division of Facility and Site
Decommissioning Projects
Office of Nuclear Energy

DIST
Subject
NE-13 (4)
NE-23 ref
Wallo:rdr

