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Formerly Utilized Sites Remedial Action Program (FUSRAP)

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# ADMINISTRATIVE RECORD

for the Maywood Site, New Jersey

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**US Army Corps  
of Engineers®**

# Bechtel

## Interoffice Memorandum

To	G. A. Blust	File No.	7315/138
Subject	Ad Hoc Walkover Surveys of Maywood Residential Properties	Date	February 10, 1992
		From	Nicke Ring
		Of	ET
Copies to	S. D. Liedle M. E. Redmon M. C. Bradshaw P. D. Wallace J. G. Wood	At	Oak Ridge Ext. 6-1727

Attached (Attachment 1) is a list of Maywood residential properties for which DOE has agreed to perform walkover gamma surveys and/or exposure rate measurements in response to requests from two concerned citizens, Mr. Michael Nolan and Mr. John Tamburro.

Scheduling of the individual surveys will be directed by the BNI Site Superintendent, and work should be completed by February 28, 1992. Final data submittals, excluding any laboratory analysis data from soil sampling, must be submitted by March 6, 1992.

Attachment 2 of this memo is the survey plan that is to be followed for the investigation of these properties.

If you have any questions or concerns, please contact me prior to beginning work.



## Attachment 1

<u>Property Location/Owner</u>	<u>Telephone Number</u>
Mr. Ferdinand G. Tufo 43 Beech Street, Maywood	845-5377
Mr. Michael Doliton 275 Eccleston Place, Maywood	845-6317
Ms. Elizabeth Baird 278 Eccleston Place, Maywood	845-5436
Mr. & Mrs. Dominick Lepore 123 Maywood Avenue, Maywood	845-9187
Mr. & Mrs. Guenter Furczyk 200 Maywood Avenue, Maywood	843-3167
Ms. Claudia M. Grunstra 59 Orchard Place, Maywood	843-6507 (h) 445-7250 (w)
Mr. & Mrs. Erwin A. Brunner 95 Orchard Place, Maywood	845-6472
Mr. & Mrs. Rocco Ferranti 113 Stone Street, Maywood	587-0256
Mr. & Mrs. Michael G. Nelson 76 West Central Avenue, Maywood	587-1016
Mr. & Mrs. John Alleva* 102 West Central Avenue, Maywood	845-9275
Mrs. Helen O'Toole* 110 West Central Avenue, Maywood	845-5125
Mr. & Mrs. Richard F. Peters* 116 West Central Avenue, Maywood	845-5239
Mr. Louis Feltz* 122 West Central Avenue. Maywood	845-7057
Mr. John Tamburro* 142 West Central Avenue, Maywood	845-0784
Mr. & Mrs. Harold Dunn* 146 West Central Avenue, Maywood	845-7690

\*THESE PROPERTIES WILL ALSO HAVE GAMMA EXPOSURE RATE MEASUREMENTS MADE



## Attachment 2

Survey activities should include, but not be limited to the following:

1. Establish a grid system for each property using area units in feet (e.g., 5 ft grid or 10 ft grid as appropriate).
2. Perform near-surface walkover gamma survey using unshielded, thallium-activated sodium iodide (NaI[Tl]) probe coupled to a scaler. Record data on appropriate data forms in counts per minute (cpm).
3. If near-surface walkover gamma measurements are more than twice background then a coneshield survey of those areas should be performed. Background for this area has been determined to be 7500 cpm (as was used in the remedial investigation for the Maywood Site).
4. If coneshield measurements are more than twice background then a surface soil sample should be collected from those locations. Background for coneshield has been determined to be 5500 cpm (as was used in the remedial investigation for the Maywood Site).
5. All surface soil samples that are collected should be submitted to the TMA/Eberline laboratory in Oak Ridge for radiological analysis of uranium-238, radium-226, and thorium-232.
6. Properties shown on Attachment 1 with an asterisk (\*) should also have exposure rate measurements made as outlined below:
  1. Using an unshielded, thallium-activated sodium iodide (NaI[Tl]) probe coupled to a scaler measurements should be taken at contact, 1 m (3 ft), and 2.5 m (8 ft) at the property boundary abutting the New York, Susquehanna, and Western Railroad track (i.e., rear property boundary).
  2. Measurements outlined in Step 1 shall be repeated immediately adjacent to the rear wall of the residence on each property. In addition, a measurement will also be taken at this location at a height equal to second floor level for a total of 7 measurements per property.

Data from these measurements shall be recorded in counts per minute on appropriate data forms, and converted to microroentgens per hour ( $\mu\text{R}/\text{h}$ ) using appropriate instrument calibration factors, i.e.,  $\text{cpm}/\mu\text{R}/\text{h}$ .

Data submittals from TMA/Eberline should include the following: drawing of the property with walkover and coneshield data recorded as well as any surface soil sample locations, field sample collection forms, and other appropriate data collection forms. Analytical results for any surface soil samples collected will be submitted to BNI within 45 days from receipt by the laboratory.

