

M-219
098536 01

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for Maywood, New Jersey



U.S. Department of Energy



92 - 956

Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831-8723

098536

December 23, 1992

Paul A. Giardina, Chief
Radiation Branch
Environmental Protection Agency
Region II
Jacob K. Javits Federal Building
New York, NY 10278

Dear Mr. Giardina:

TRANSMITTAL OF RADON FLUX MONITORING DATA

Enclosed for your consideration are the results of radon flux monitoring conducted at the following sites in Region II being administered by the Department of Energy (DOE) under the Formerly Utilized Sites Remedial Action Program (FUSRAP): the Maywood Interim Storage Site (MISS); the Middlesex Sampling Plant (MSP); the New Brunswick Site (NBS); and the Niagara Falls Storage Site (NFSS). The monitoring information is being provided for your information in the spirit of a draft Memorandum of Understanding between DOE and EPA to provide data under 40 CFR Part 61, Subpart Q, of the National Emissions Standards for Hazardous Air Pollutants (NESHAPs).

Enclosed are the data for each interim storage pile at MSP, MISS, and NFSS, as well as data gathered from a designated monitoring site at the NBS site. The data includes the results of semiannual monitoring conducted in summer and fall of 1992. Results of the monitoring indicate that the sites are in compliance with the radon flux standard of 20 pCi/m²/s.

Since submittal of radon flux monitoring data to EPA for calendar year 1991, two changes have occurred which I would like to bring to your attention. Only the storage pile at MISS is being included in the scope of the semiannual monitoring program as monitoring of the entire site in 1991 was performed to support the Remedial Investigation/Feasibility Study under way at the site. In addition, the two interim storage piles at NFSS were eliminated and consolidated into the waste containment structure (WCS). As a result, the monitoring program at NFSS will include the WCS only.

In previous years, the results of semiannual radon flux monitoring were submitted to EPA within the NESHAPS Subpart H Annual Report as supplemental information. In the interest of providing the results of radon flux monitoring in a more timely manner, future results of each semiannual monitoring event will be submitted to EPA within 60 days of each sampling event. This time period is necessary to be able to consolidate the monitoring results from all four FUSRAP sites within Region II into one transmittal.

098536

Paul A. Giardina

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December 23, 1992

If you have any questions, please contact me at (615) 576-0948.

Sincerely,

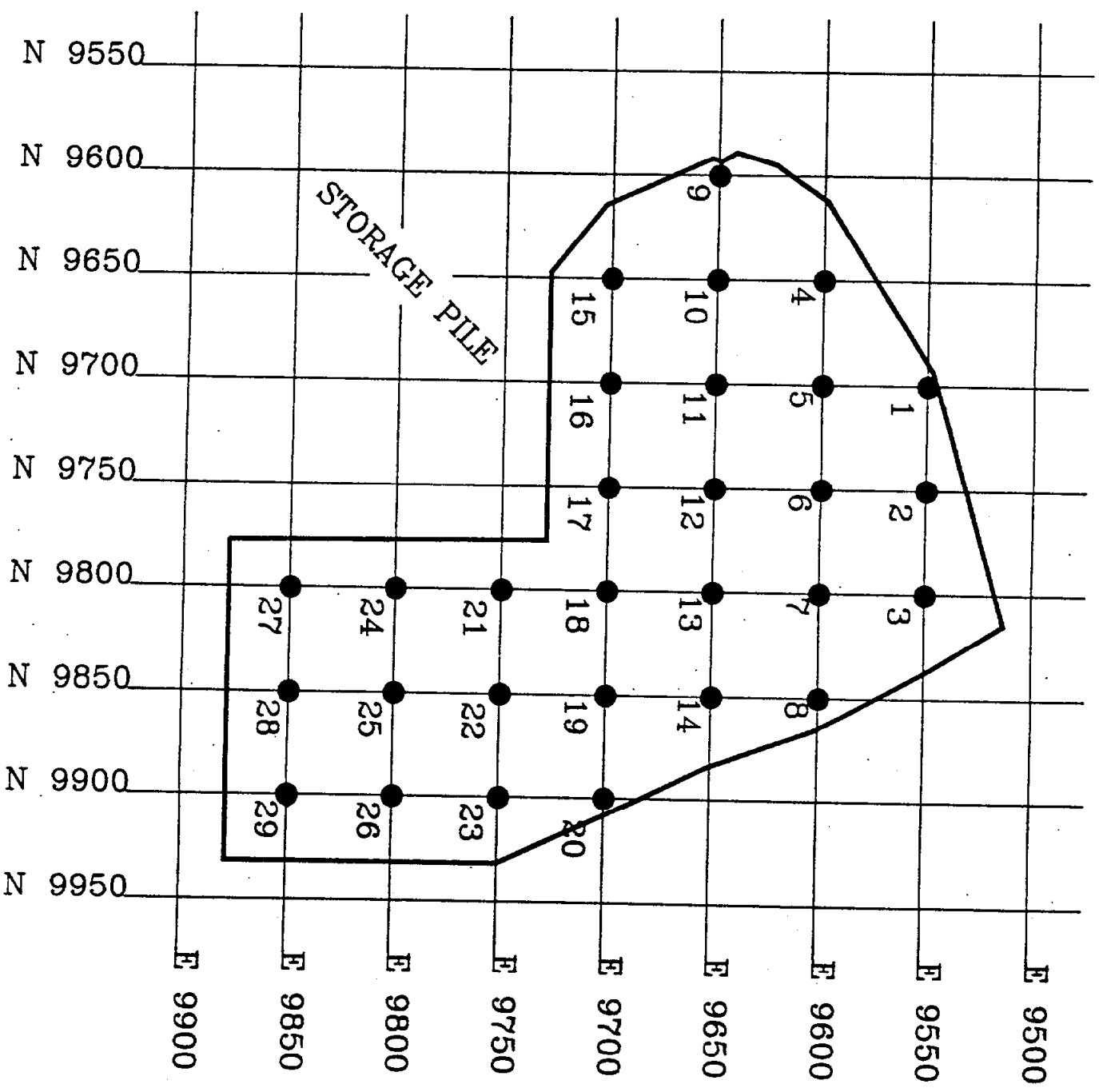


Lester K. Price, Director
Former Sites Restoration Division

Enclosures: As Stated

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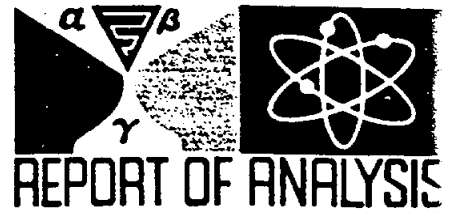
MAYWOOD INTERIM STORAGE PILE



CUSTOMER
ATTENTION
ADDRESS
CITY
W.O. NO.

Bechtel National, Inc. - MISS Storage Pile
Michael Bradshaw
P.O. Box 350
Oak Ridge, TN. 37831-0350

098404
#016287
E-9804



REPORT OF ANALYSIS

TYPE OF ANALYSIS

Radon Flux

CUSTOMER ORDER NUMBER

SAMPLES RECEIVED

8/4/92

Customer Identification	Date Collected	Type of Analysis	Date Analyzed	pCi/M ² /sec
138-RF-001	07/21-07/22/92	Rn-222	07/23/92	0.23±0.07
138-RF-002	07/21-07/22/92	Rn-222	07/24/92	0.57±0.09
138-RF-003	07/21-07/22/92	Rn-222	07/23/92	0.22±0.07
138-RF-004	07/21-07/22/92	Rn-222	07/24/92	0.23±0.08
138-RF-005	07/21-07/22/92	Rn-222	07/24/92	0.30±0.09
138-RF-006	07/21-07/22/92	Rn-222	07/24/92	0.26±0.08
138-RF-007	07/21-07/22/92	Rn-222	07/24/92	0.28±0.08
138-RF-008	07/21-07/22/92	Rn-222	07/23/92	0.23±0.07
138-RF-009	07/21-07/22/92	Rn-222	07/24/92	0.25±0.08
138-RF-010	07/21-07/22/92	Rn-222	07/23/92	0.29±0.08
138-RF-011	07/21-07/22/92	Rn-222	07/24/92	0.27±0.08
138-RF-012	07/21-07/22/92	Rn-222	07/24/92	0.22±0.08
138-RF-013	07/21-07/22/92	Rn-222	07/24/92	1.83±0.11
138-RF-014	07/21-07/22/92	Rn-222	07/23/92	0.29±0.07
138-RF-015	07/21-07/22/92	Rn-222	07/23/92	0.26±0.07
138-RF-016	07/21-07/22/92	Rn-222	07/24/92	13.84±0.22
138-RF-017	07/21-07/22/92	Rn-222	07/23/92	0.20±0.07
138-RF-018	07/21-07/22/92	Rn-222	07/23/92	0.21±0.07
138-RF-019	07/21-07/22/92	Rn-222	07/23/92	0.22±0.07
138-RF-020	07/21-07/22/92	Rn-222	07/23/92	0.23±0.07

REPORTED VIA TELEPHONE

TMA Eberline
Thermo Analytical Inc.
7021 PAN AMERICAN FREEWAY, N.E.
ALBUQUERQUE, NEW MEXICO 87109
PHONE (505) 345-3461

APPROVED BY
[Signature]

8/5/92
DRB

DATE
8-4-92

CUSTOMER
ATTENTION
ADDRESS
CITY
W.O. NO.

Bechtel National, Inc. - MISS Storage Pile
Michael Bradshaw
P.O. Box 350
Oak Ridge, TN. 37831-0350

098404



REPORT OF ANALYSIS

TYPE OF ANALYSIS

Radon Flux

CUSTOMER ORDER NUMBER

SAMPLES RECEIVED 8/4/92

Customer
IdentificationDate
CollectedType of
Analysis

Date Analyzed

pCi/M²/sec

138-RF-021	07/21-07/22/92	Rn-222	07/23/92	0.21±0.07	
138-RF-022	07/21-07/22/92	Rn-222	07/23/92	0.23±0.07	
138-RF-023	07/21-07/22/92	Rn-222	07/24/92	0.23±0.08	
138-RF-024	07/21-07/22/92	Rn-222	07/23/92	0.18±0.07	
138-RF-025	07/21-07/22/92	Rn-222	07/23/92	0.13±0.07	
138-RF-026	07/21-07/22/92	Rn-222	07/23/92	0.22±0.07	
138-RF-027	07/21-07/22/92	Rn-222	07/23/92	0.28±0.07	
138-RF-028	07/21-07/22/92	Rn-222	07/23/92	0.25±0.07	
138-RF-029	07/21-07/22/92	Rn-222	07/24/92	0.28±0.08	
138-RF-030	07/21-07/22/92	Rn-222	07/24/92	0.14±0.08	
138-RF-010	07/21-07/22/92	Rn-222	07/24/92	0.28±0.08	QC
138-RF-020	07/21-07/22/92	Rn-222	07/23/92	0.23±0.07	QC
138-RF-040	07/21-07/22/92	Rn-222	07/23/92	0.22±0.07	QC
138-RF-002	07/21-07/22/92	Rn-222	07/24/92	0.57±0.09	LQC
138-RF-010	07/21-07/22/92	Rn-222	07/23/92	0.31±0.08	LQC
138-RF-028	07/21-07/22/92	Rn-222	07/23/92	0.25±0.07	LQC

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PAGE 2 OF 2 PAGE

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Thermo Analytical Inc.

1021 PAN AMERICAN FREEWAY, N.E.
ALBUQUERQUE, NEW MEXICO 87109
PHONE (505) 345-3461

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8/5/92
DRB

DATE

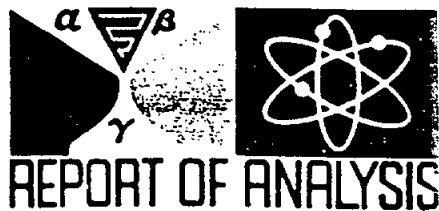
8-4-

E 10224 1711

CUSTOMER ATTENTION ADDRESS CITY W.O. NO.

Bechtel National, Inc. - MISS Storage Pile Michael Bradshaw P.O. Box 350 Oak Ridge, TN. 37831-0350

098404



TYPE OF ANALYSIS

Radon Flux

CUSTOMER ORDER NUMBER

SAMPLES RECEIVED

10/16/92

Customer Identification	Date Collected	Type of Analysis	Date Analyzed	pCi/M ² /sec
138-RF-001	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-002	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-003	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-004	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-005	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-006	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-007	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-008	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-009	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-010	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-011	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-012	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-013	10/05-10/06/92	Rn-222	10/07/92	5.42±0.12
138-RF-014	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-015	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-016	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-017	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-018	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-019	10/05-10/06/92	Rn-222	10/07/92	<0.04
138-RF-020	10/05-10/06/92	Rn-222	10/07/92	<0.04

REPORTED VIA TELEPHONE

PAGE 1 OF 2 PAGE

TMA Eberline
Thermo Analytical Inc.

7021 PAN AMERICAN FREEWAY, N.E.
ALBUQUERQUE, NEW MEXICO 87109
PHONE (505) 345-3461

APPROVED BY

[Handwritten signature] 10/10/92
OK/MES/10-19-92

DATE

CUSTOMER
ATTENTION
ADDRESS
CITY
W.O. NO.

Bechtel National, Inc. - MISS Storage Pile
Michael Bradshaw
P.O. Box 350
Oak Ridge, TN. 37831-0350

098404



TYPE OF ANALYSIS

Radon Flux

CUSTOMER ORDER NUMBER

SAMPLES RECEIVED

10/16/92

Customer Identification	Date Collected	Type of Analysis	Date Analyzed	pCi/M ² /sec	
138-RF-021	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-022	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-023	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-024	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-025	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-026	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-027	10/05-10/06/92	Rn-222	10/08/92	<0.05	
138-RF-031	10/06-10/07/92	Rn-222	10/08/92	<0.10	
138-RF-010	10/05-10/06/92	Rn-222	10/07/92	<0.04	LQC
138-RF-020	10/05-10/06/92	Rn-222	10/07/92	<0.04	LQC
138-RF-027	10/05-10/06/92	Rn-222	10/08/92	<0.05	FQC

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PAGE 2 OF 2 PAGE

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PHONE (505) 345-3461

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T. J. Patton 10/16/92
OK / MJB / 10-19-92

DATE