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FINAL REPORT, REMOVAL ACTION NUMBER 28, CONTAMINATION AT THE FIRE TRAINING FACILITY

10/19/95

DOE-0062-96
DOE-FN EPAS
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RESPONSES

Department of Energy
Fernald Environmental Management Project
P. O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 648-3155

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OCT 19 1995

DOE-0062-96

Mr. James A. Saric, Remedial Project Director
U.S. Environmental Protection Agency
Region V - 5HRE-8J
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

FINAL REPORT, REMOVAL ACTION NUMBER 28, CONTAMINATION AT THE FIRE TRAINING FACILITY

Reference: Final Report, Removal Action Number 28, "Contamination at the Fire Training Facility," dated June 1995, Ohio Environmental Protection Agency Comments.

The Removal Action Number 28, "Contamination at the Fire Training Facility," Final Report was submitted to the U.S. Environmental Protection Agency (U.S. EPA) and the Ohio Environmental Protection Agency (OEPA) on June 12, 1995. The OEPA provided three comments requiring responses for final approval of the report. Responses to those comments are enclosed.

If you or your staff have any questions, please contact Anand Shah at (513) 648-3146.

Sincerely,

Johnny Reising

FN:Shah

Johnny W. Reising
Fernald Remedial Action
Project Manager

Enclosure: As Stated

cc w/enc:

K. H. Chaney, EM-423/GTN
B. Skokan, EM-423/GTN
G. Jablonowski, USEPA-V, 5HRE-8J
Manager, TSPP/DERR, OEPA-Columbus
F. Bell, ATSDR
D. S. Ward, GeoTrans
R. Vandergrift, ODOH
S. McClellan, PRC
A. Murphy, DOE-FN
J. T. Curtis, FERMCO/14
R. D. George, FERMCO/52-2
T. Hagen, FERMCO/65-2
S. M. Houser, FERMCO/52-3
K. R. Kolthoff, FERMCO/52-3
D. Ofte, FERMCO/1
AR Coordinator, FERMCO

cc w/o enc:

C. Little, FERMCO
M. Yates, FERMCO

SUMMARY TABLE, REMOVAL ACTION NO. 28 GENERATED WASTE

WASTE TYPE	VOLUME	CONTAMINANT	DISPOSITION
Soil (pond, sump, drain line)	339 CU YD	RCRA/RAD	Storage
Soil (burn trough trench and piezometer 1512)	31 CU YD	Petroleum/RCRA/RAD	Storage
Soil (East field excavation and Mag burn area)	139 CU YD	RAD	RA 17 Soil pile at FTF Site
Collected rain water	13,000 GL	RCRA/RAD	Plant 8 VOC Treatment
Steel pressure vessel	41,000 LB	RAD	Restricted Metal Reuse
Steel skid tank	1500 LB	RAD	Storage
Steel burn trough (open top tank)	35,000 LB	RCRA/RAD	Storage
Steel (sump drain line)	2 DRUMS	RCRA/RAD	Storage
Concrete (building debris)	174 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Scabbled concrete and skid tank pedestals	6 CU YD	RCRA/RAD	Disposal at Envirocare
Wood (building debris)	2.7 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Wood (Sill plate from building)	2 DRUMS	RAD	Storage
Asphalt roof (building debris)	0.25 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Oil sludges	3,250 GAL	PCB/RCRA/RAD	Storage
Gutters and sprinkler risers	2 DRUMS	RAD	Storage
Equipment decon rinseates	4 DRUMS	RCRA/RAD	Storage
Asphalt pad	63 CU YD	RCRA/RAD	Storage
Asphalt pad	27 CU YD	RAD	Disposal at NTS (15 CU YD); Storage 12 CU YD.
Contact materials (PPE, herculite)	39 CU YD	RCRA/RAD	Storage
Contact materials	4.8 CU YD	PCB/RCRA/RAD	Storage

COMMENT DISPOSITION

Document: Removal Action No. 28, Contamination at the Fire Training Facility, Final Report

Commenting Organization: Ohio EPA

Comment #1:
The Ohio EPA believes it would be helpful in future final reports to include a brief summary of deviations from the approved work plans. It would be most convenient if this summary would take the form of a table and it should reference pages in the original work plan, pages in the final report, and a brief narrative summarizing the reason for the deviation.

Response:
Future Removal Action Final reports will provide a table of field changes with appropriate references and a brief narrative summarizing the reason for the deviation.

Action: None.

Comment #2:
Please include in this and in all future final reports a summary table of wastes generated from the removal action. This table should list waste type (soil, wash water, concrete, etc.) volume (tons, cubic yards, white metal boxes, etc.), contaminant type or regulatory status (uranium contaminated soil, PCBs less than regulatory limits, RCRA-regulated materials, etc.), and disposition of the waste (Removal Action 17 stockpile, staged for transport to NTS, waste water treated and discharged, etc.). The inclusion of this information in the form of a table will facilitate our review and allow us to determine compliance with state of Ohio hazardous waste rules.

Response:
Summary tables for generated wastes will be included in all future final reports.

Action:
A summary table of Removal Action No. 28 generated wastes is attached.

Comment #3:
Table B-1 appears to be incomplete. There are no units provided and the term stadia units has not been defined.

Response:
The term "stadia" is a surveying term referring to a survey method in which distances and elevations are obtained by observing intervals on an upright graduated rod (stadia rod) intercepted by two parallel horizontal lines (stadia lines) in the survey transit.

For the concrete floor, a grid was laid out on the floor and benchmarks were established on the building walls using a stadia rod and survey transit prior to scabbling. As the scabbling progressed, the elevations were resurveyed at the grid points and compared to the benchmarks until the required depth was achieved. The elevations, or, "stadia units" are in feet.

In Table B-1, the units for the first three columns, "Surface Reading", "Scabbled Reading", and "Depth" are feet.

Action:
An updated copy of Table B-1 is attached.

SUMMARY TABLE, REMOVAL ACTION NO. 28 GENERATED WASTE

WASTE TYPE	VOLUME	CONTAMINANT	DISPOSITION
Soil (pond, sump, drain line)	339 CU YD	RCRA/RAD	Storage
Soil (burn trough trench and piezometer 1512)	31 CU YD	Petroleum/RCRA/RAD	Storage
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Collected rain water	13,000 GL	RCRA/RAD	Plant 8 VOC Treatment
Steel pressure vessel	41,000 LB	RAD	Restricted Metal Reuse
Steel skid tank	1500 LB	RAD	Storage
Steel burn trough (open top tank)	35,000 LB	RCRA/RAD	Storage
Steel (sump drain line)	2 DRUMS	RCRA/RAD	Storage
Concrete (building debris)	174 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Scabbled concrete and skid tank pedestals	6 CU YD	RCRA/RAD	Disposal at Envirocare
Wood (building debris)	2.7 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Wood (Sill plate from building)	2 DRUMS	RAD	Storage
Asphalt roof (building debris)	0.25 CU YD	Free Release	RA 17 Debris Pile at FTF Site
Oil sludges	3,250 GAL	PCB/RCRA/RAD	Storage
Gutters and sprinkler risers	2 DRUMS	RAD	Storage
Equipment decon rinseates	4 DRUMS	RCRA/RAD	Storage
Asphalt pad	63 CU YD	RCRA/RAD	Storage
Asphalt pad	27 CU YD	RAD	Disposal at NTS (15 CU YD); Storage 12 CU YD.
Contact materials (PPE, herculite)	39 CU YD	RCRA/RAD	Storage
Contact materials	4.8 CU YD	PCB/RCRA/RAD	Storage

Table B-1. Concrete Block Building Stadia Readings.

Stadia Readings - First Floor Scabbling				
Grid	Surface Reading (Feet)	Scabbled Reading (Feet)	Depth (Feet)	Depth (cm)
		North Room		
aa0	4.77	4.79	0.020	0.610
aa1	4.8	4.82	0.020	0.610
aa2	4.8	4.82	0.020	0.610
bb0	4.78	4.8	0.020	0.610
bb1	4.8	4.83	0.030	0.914
bb2	4.79	4.82	0.030	0.914
cc0	4.785	4.815	0.030	0.914
cc1	4.78	4.8	0.020	0.610
cc2	4.76	4.8	0.040	1.219
dd0	4.76	4.79	0.030	0.914
dd1	4.785	4,81	0.025	0.762
dd2	4.76	4.8	0.040	1.219
ee0	4.745	4.77	0.025	0.762
ee1	4.76	4.78	0.020	0.610
ee2	4.76	4.79	0.030	0.914
		Middle Room		
aa3	4.76	4.78	0.020	0.610
aa4	4.76	4.79	0.030	0.914
aa5	4.75	4.78	0.030	0.914
bb3	4.76	4.79	0.030	0.914
bb4	4.76	4.78	0.020	0.610
bb5	4.74	4.765	0.025	0.762
cc3	4.74	4.76	0.020	0.610
cc4	4.715	4.74	0.026	0.762
cc5	4.715	4.74	0.025	0.762
dd3	4.745	4.78	0.035	1.067
dd4	4.725	4.745	0.020	0.610
dd5	4.725	4.75	0.025	0.762
ee3	4.74	4.76	0.020	0.610
ee4	4.75	4.77	0.020	0.610
ee5	4.755	4.78	0.025	0.762

Table B-1. Concrete Block Building Stadia Readings.

Stadia Readings - First Floor Scabbling				
Grid	Surface Reading (Feet)	Scabbled Reading (Feet)	Depth (Feet)	Depth (cm)
South Room				
aa6	4.845	4.885	0.040	1.219
aa7	4.83	4.86	0.030	0.914
aa8	4.815	4.845	0.030	0.914
bb6	4.825	4.85	0.025	0.762
bb7	4.815	4.84	0.025	0.762
bb8	4.805	4.825	0.020	0.610
cc6	4.795	4.82	0.025	0.762
cc7	4.835	4.86	0.025	0.762
cc8	4.835	4.86	0.025	0.762
dd6	4.82	4.86	0.040	1.219
dd7	4.855	4.88	0.025	0.762
dd8	4.85	4.87	0.020	0.610
ee6	4.855	4.89	0.035	1.067
ee7	4.855	4.9	0.045	1.372
ee8	4.835	4.87	0.035	1.067
Stadia Readings - Second Floor Scabbling				
Grid	Surface Reading (Feet)	Scabbled Reading (Feet)	Depth (Feet)	Depth (cm)
a0	4.83	4.855	0.025	0.762
a1	4.83	4.86	0.030	0.914
a2	4.825	4.86	0.035	1.067
a3	4.84	4.885	0.045	1.372
a4	4.855	4.885	0.030	0.914
a5	4.85	4.87	0.020	0.610
a6	4.855	4.885	0.030	0.914
a7	4.85	4.88	0.030	0.914
a8	4.81	4.845	0.035	1.067
b0	4.815	4.87	0.055	1.676
b1	4.83	4.885	0.055	1.676
b2	4.84	4.865	0.025	0.762
b3	4.84	4.89	0.050	1.524

Table B-1. Concrete Block Building Stadia Readings.

Stadia Readings - Second Floor Scabbling				
Grid	Surface Reading (Feet)	Scabbled Reading (Feet)	Depth (Feet)	Depth (cm)
b4	4.87	4.89	0.020	0.610
b5	4.86	4.88	0.020	0.610
b6	4.86	4.89	0.030	0.914
b7	4.845	4.88	0.035	1.067
b8	4.81	4.87	0.060	1.829
c0	4.81	4.85	0.040	1.219
c1	4.82	4.87	0.050	1.524
c2	4.83	4.87	0.040	1.219
c3	4.84	4.865	0.025	0.762
c4	4.845	4.865	0.020	0.610
c5	4.845	4.87	0.025	0.762
c6	4.845	4.865	0.020	0.610
c7	4.84	4.865	0.025	0.762
c8	4.83	4.85	0.020	0.610
d0	4.81	4.86	0.050	1.524
d1	4.83	4.87	0.040	1.219
d2	4.84	4.88	0.040	1.219
d3	4.825	4.845	0.020	0.610
d4	4.82	4.845	0.025	0.762
d5	4.825	4.85	0.025	0.762
d6	4.815	4.86	0.045	1.372
d7	4.82	4.845	0.025	0.762
d8	4.81	4.835	0.025	0.762
e0	4.83	4.855	0.025	0.762
e1	4.83	4.855	0.025	0.762
e2	4.815	4.84	0.025	0.762
e3	4.81	4.845	0.035	1.067
e4	4.805	4.83	0.025	0.762
e5	4.815	4.835	0.020	0.610
e6	4.815	4.85	0.035	1.067
e7	4.79	4.81	0.020	0.610
e8	4.81	4.835	0.025	0.762