



Department of Energy
Ohio Field Office
Fernald Environmental Management Project
P. O. Box 538705
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(513) 648-3155



SEP 14 2004

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0401-04

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

Dear Mr. Saric and Mr. Schneider:

REQUEST TO SEND IMPACTED CONCRETE FROM BUILDING 77 AND GRAVEL FROM THE ON-SITE DISPOSAL FACILITY MATERIAL TRANSFER AREA WITHIN AREA 6 TO THE ON-SITE DISPOSAL FACILITY

This letter is to request your approval to send the concrete from Building 77 slab as well as the 2-foot imported gravel layer from the northern On-Site Disposal Facility Material Transfer Area (OMTA) to the On-Site Disposal Facility (OSDF). This gravel also includes the gravel associated with the trailer complex that was located due east of the OMTA. When the OMTA was constructed, a layer of textile was placed under the gravel to prevent commingling of subsurface soil with the above-grade decontamination and demolition debris. These two areas are within the Area 6 footprint, which is not currently covered under an approved Integrated Remedial Design Package. Therefore, an approval by your response to this letter is one of the requirements per the Waste Acceptance Organization's (WAO) procedure to send these materials to OSDF.

As discussed in the August 24, 2004 Conference Call, it is time critical for the material from these areas to be removed to allow for construction of the ramp into the new OSDF Cell 7 and complete predesign investigation of the underlying soil. Also discussed was the fact that OMTA North is no longer needed and this gravel will be used to facilitate the construction of impacted haul roads within the OSDF.

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Mr. Tom Schneider

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For the gravel material at the OMTA, physical samples have been collected of residual soil that is on top of the gravel. These samples have been analyzed for total uranium and technetium-99 (Tc99) to provide supplemental data for OSDF Waste Acceptance Criteria (WAC). These data demonstrate the concentrations of both total uranium and Tc99 associated with the gravel is well below the OSDF WAC.

After the concrete and gravel material of the Building 77 slab was removed from the surface and pushed into a working pile, the underlying soil was scanned using real time instrumentation. These real time data demonstrate the uranium concentration of the soil beneath the slab is below the OSDF WAC. Physical soil samples were also collected from the underlying soil of the footprint of Building 77 and analyzed for both total uranium and Tc99. These samples demonstrated that the concentrations of these constituents are well below the OSDF WAC. A figure displaying the results of the recent real time scan of the soil beneath the Building 77 slab and a table of the newly collected Tc99 and total uranium data from both the OMTA gravel and the footprint of Building 77 are enclosed.

As always, WAO has visually inspected the concrete from Building 77 for above-WAC conditions as it was pushed and will do so for the gravel from the OMTA as well. Additionally, WAO will visually inspect both the concrete and the gravel as they are loaded to vehicles for transport to the OSDF and as they are placed in the OSDF.

Upon your concurrence, the above process will be implemented. If you have any questions or require additional information, please contact Johnny Reising at (513) 648-3139.

Sincerely,


William J. Taylor
Director

FCP:Reising

Enclosures: As Stated

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Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosures:

D. Pfister, OH/FCP
J. Reising, OH/FCP
T. Schneider, OEPA (three copies of enclosures)
G. Jablonowski, USEPA-V, SR-6J
F. Bell, ATSDRM. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

N. Akgündüz, OH/FCP
K. Johnson, OH/FCP
W. Taylor, OH/FCP
R. Abitz, Fluor Fernald, Inc./MS64
K. Alkema, Fluor Fernald, Inc./MS01
L. Barlow, Fluor Fernald, Inc./MS41
T. Beasley, Fluor Fernald, Inc./MS60
C. Carney, Fluor Fernald, Inc./MS52-1
J. Chiou, Fluor Fernald, Inc./MS64
M. Frank, Fluor Fernald, Inc./MS64
R. Friske, Fluor Fernald, Inc./MS52-3
K. Harbin, Fluor Fernald, Inc./MS60
W. Hooper, Fluor Fernald, Inc./MS60
G. Johnson, Fluor Fernald, Inc./MS60
S. Lorenz, Fluor Fernald, Inc./MS41
F. Miller, Fluor Fernald, Inc./MS64
C. Murphy, Fluor Fernald, Inc./MS01
D. Nixon, Fluor Fernald, Inc./MS01
T. Poff, Fluor Fernald, Inc./MS65-2
D. Powell, Fluor Fernald, Inc./MS64
B. Zebick, Fluor Fernald, Inc./MS60
ECDC, Fluor Fernald, Inc./MS52-7

Building 77 Footprint - Soil Scan

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Moisture Corrected Total Uranium
Field of View to Scale
Nal Batch#: RSS1-1293
Measurement Date: 08/25/2004



Nal Tot U (ppm)	
Green	-178 to 246
Yellow	246 to 875
Red	875 to 9999

RTIMP DWG Title: A6_SF_TU_08-25-2004.srf
Project Name: Gen Char for Site Soil Remediation
Project #: 20300-PSP-0011
Prepared By: Brian McDaniel/11058
Date Prepared: 09/07/04
Support Data: A6_SF_RSS1_1293_08-25-2004_Summary.xls

Table 1

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Area 6 - Building 77 Footprint Sampling Results

Boring	Parameter	Lab Res	LQ	Units
A6-B77FP-1	Uranium	27.3		ug/g dry
A6-B77FP-2	Uranium	19.0		ug/g dry
A6-B77FP-3	Uranium	28.7		ug/g dry
A6-B77FP-4	Uranium	20.1		ug/g dry
A6-B77FP-5	Uranium	21.8		ug/g dry
A6-B77FP-6	Uranium	19.7		ug/g dry
A6-B77FP-7	Uranium	17.2		ug/g dry
A6-B77FP-8	Uranium	6.55		ug/g dry
A6-B77FP-1	Technetium-99	0.583	U	pCi/g
A6-B77FP-2	Technetium-99	0.654	U	pCi/g
A6-B77FP-3	Technetium-99	0.777		pCi/g
A6-B77FP-4	Technetium-99	0.787		pCi/g
A6-B77FP-5	Technetium-99	0.514	U	pCi/g
A6-B77FP-6	Technetium-99	0.573	U	pCi/g
A6-B77FP-7	Technetium-99	1.09		pCi/g
A6-B77FP-8	Technetium-99	0.581	U	pCi/g

Area 6 - OMTA Sampling Results

Boring	Parameter	Lab Res	LQ	Units
A6-OMTA-1	Uranium	22.4		ug/g dry
A6-OMTA-2	Uranium	36.6		ug/g dry
A6-OMTA-3	Uranium	49.9		ug/g dry
A6-OMTA-4	Uranium	31.8		ug/g dry
A6-OMTA-5	Uranium	80.5		ug/g dry
A6-OMTA-1	Technetium-99	0.864		pCi/g
A6-OMTA-2	Technetium-99	1.65		pCi/g
A6-OMTA-3	Technetium-99	1.65		pCi/g
A6-OMTA-4	Technetium-99	1.99		pCi/g
A6-OMTA-5	Technetium-99	1.51		pCi/g

Where:

LQ = lab qualifier

U = non-detect