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**OFFICE OF FEDERAL FACILITIES OVERSIGHT 1996 SPLIT
SAMPLE RESULTS**

12/21/96

OEPA
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LETTER

DOE-FEMP



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911
(513) 285-6357
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K-0614
DEC 21 1996

George V. Voinovich
Governor

December 21, 1996

Re: Office of Federal Facilities Oversight
1996 SPLIT SAMPLE RESULTS

Ms. Pat Kraps
Fluor Daniel - Fernald
P.O. Box 398704
Cincinnati, Ohio 45239-8704

Dear Ms. Kraps:

Attached are the Ohio EPA/Office of Federal Facilities Oversight (OFFO) split sample results for 1996. The last date in which OFFO sent results to DOE was on October 8, 1996, in a letter addressed to Ms. Kathleen Nickel. Note that the grass and soil samples collected during our July 25, 1996 sampling event are being re-analyzed. Please discard the first set of grass and soil sample results. We will send you the new data as soon as we receive it from the lab. In addition, there are two months of outstanding results from 1996 that we anticipate receiving in February. Those include splits from October's private well sampling event and November's split and independent surface water sampling event. This data will be provided to you as it becomes available. Please provide us with Fluor Daniel - Fernald's data from August to the end of 1996 as soon as you receive it.

All 1996 results will be published in the Ohio EPA/OFFO's Annual Report, consistent with our commitments under the Agreement In Principle and our on-going discussions on data evaluation. As in the 1995 Annual Report, data collected from groundwater, surface water, sediment, grass & soil, fish, and produce & soil will be included.

If you have any questions, feel free to call me at (513) 285-6057, or Donna Bohannon at 285-6453.

Sincerely,

Rex Brown
Data Manager

cc: Kathleen A. Nickel, DOE
Mark Cherry, Fluor Daniel - Fernald
Tom Schneider, OFFO
Donna Bohannon, OFFO

1996 OEPA RADIOLOGICAL SPLIT SAMPLE RESULTS FOR SUFACE WATER

COLLECT DATE	SAMPLE ID	LOCATION ID (OLD)	LOCATION ID (NEW)	LOCATION DESCRIPTION	TOTAL URANIUM	UNIT	RA 226	UNIT	RA 228	UNIT
19960221	1996022101	PSF11	PR2.0	Paddys Run/South Fid	4.9	ug/l	-0.005	pc/l	1.2	pc/l
19960221	1996022102	PRB09	PR3.4	Paddys Run/RR Bridge	2.3	ug/l	0.13	pc/l	1.5	pc/l
19960221	1996022103	PDS10	PR2.8	Paddys Run/Dwn Stream	20	ug/l	0.20	pc/l	0.68	pc/l
19960221	1996022104	PWB07	PR1.8	Paddys Run/Willey Brdg	4.9	ug/l	0.17	pc/l	2.1	pc/l
19960221	1996022107	BBW03	GM21.4	New Baltimore Bridge	1.8	ug/l	0.28	pc/l	2.7	pc/l
19960417	1996041701	DDSMF	PD0.3	Pilot Plant drainage ditch sump	2200	ug/l	NS	pc/l	NS	pc/l
19960417	1996041702	PD0.25	PD0.25	Pilot Plant drainage ditch upstream weir	48	ug/l	NS	pc/l	NS	pc/l
19960502	1996050201	PR2.89	PR2.89	Upstream from drainage ditch	2.1	ug/l	0.16	pc/l	0.53	pc/l
19960502	1996050202	WPSWL	WPSWL	Waste Pit swale	600	ug/l	0.22	pc/l	0.12	pc/l
19960522	1996052201	BBW03	GM21.4	New Baltimore Bridge	1.9	ug/l	0.18	pc/l	2.5	pc/l
19960522	1996052203	PSF11	PR2.0	Paddys Run/South Fid	2.4	ug/l	0.12	pc/l	2.4	pc/l
19960522	1996052204	PDS10	PR2.8	Paddys Run/Dwn Stream	5.2	ug/l	0.25	pc/l	1.1	pc/l
19960522	1996052205	PWB07	PR1.8	Paddys Run/Willey Brdg	2.4	ug/l	0.14	pc/l	2.3	pc/l
19960522	1996052206	PRB09	PR3.4	Paddys Run/RR Bridge	1.9	ug/l	0.17	pc/l	2.2	pc/l
19960821	1996082101	PR3.4	PR3.4	Paddys Run/RR Bridge	1.4	ug/l	0.26	pc/l	0.082	pc/l
19960821	1996082102	GM21.4	GM21.4	New Baltimore Bridge	1.5	ug/l	0.41	pc/l	0.040	pc/l
19960821	1996082103	GM24.7	GM24.6	Downstream of FEMP effluent	1.5	ug/l	0.29	pc/l	-0.29	pc/l
19960821	1996082104	PR0.2	PR0.2	Rt. 128 bridge at Paddys Run	3.2	ug/l	0.22	pc/l	-0.22	pc/l
19960821	1996082105	PR7.2	PR7.2	Paddys Run at State Route 748 bridge	0.64	ug/l	0.090	pc/l	-0.46	pc/l
19960821	1996082106	GM26.2	GM26.2	Venice Bridge - GMR River Mile 26.2	1.5	ug/l	0.28	pc/l	0.10	pc/l

NS = not sampled or sample not analyzed for parameter.
 = not reported previously

1996 OEPA RADIOLOGICAL SPLIT SAMPLE RESULTS FOR SEDIMENT

COLLECT DATE	SAMPLE ID	LOCATION ID (OLD)	LOCATION ID (NEW)	TOTAL URANIUM	UNIT	Ra 226	UNIT	Th 228	UNIT	Th 230	UNIT	Th 232	UNIT
19960417	1996041701	PD0.3	PD0.3	120	ug/g	NS	NA	NS	NA	NS	NA	NS	NA
19960628	1996062801	PR1.9	PR1.9	4.4	ug/g	1.2	pCi/g	0.97	pCi/g	1.5	pCi/g	1.0	pCi/g
19960628	1996062802	GM20.3	GM20.3	2.6	ug/g	0.82	pCi/g	0.67	pCi/g	0.97	pCi/g	0.66	pCi/g
19960711	1996071101	PR4.6	PR4.6	2.5	ug/g	1.2	pCi/g	NS	NA	NS	NA	NS	NA
19960711	1996071102	PR4.6(D)	PR4.6(D)	2.3	ug/g	0.98	pCi/g	NS	NA	NS	NA	NS	NA
19960711	1996071103	PR3.3	PR3.3	2.8	ug/g	0.92	pCi/g	NS	NA	NS	NA	NS	NA
19960711	1996071104	PR2.8	PR2.8	6.0	ug/g	0.73	pCi/g	NS	NA	NS	NA	NS	NA

NS = not sampled or sample not analyzed for parameter.
 NA = not applicable
 = not previously reported