MEMORANDUM

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US EPA RECORDS CENTER REGION 5
451204

From: Peter Vagt

Subject: Preliminary Round 2 Analyses
Phase II Sediment Sampling
ACS NPL Site RD/RA

The Phase II sediment sampling was completed on November 21, 1996. The attached draft map and tabulations of data may be useful in today's ACS project conference call at 2:30 PM CT.

The results of the Round 1 analyses are attached. On the basis of these results, an additional 38 samples have been submitted for Round 2 analysis. In addition, we have submitted approximately 110 more samples for extraction, to be ready for analysis if necessary in Round 3.

Peter V.

PJV
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1st Round Analyses

Draft Wetland Sediment Sample PCB Results
American Chemical Service
Griffith Indiana

		Draft Results in ug/kg Dry Wt Basis								
Sample-ID	Depth	AR-1016	AR-1221	AR-1232	AR-1242	AR-1248	AR-1254	AR-1260	Total PCBs mg/kg	ppm Action
APD-Culvert Outfall	0.5	U	U	U	U	510	1,300	1,100	2.9	>1
APD-Culvert Downstream	0.5	U	U	U	U	62	200	120	0.38	
APD-Culvert Upstream (1)	0.5	U	U	U	U	45	86	110	0.24	
APD-Culvert Upstream (2)	0.5	U	U	U	U	U	U	U	ND	
APD-SDB1	0.5	U	U	U	U	14	66	50	0.13	
APD-SDB5	0.5	U	U	U	U	250	720	710	1.7	>1
APD-SDB9	0.5	U	U	U	U	2,700	9,400	46,000	58.1	>10
APD-SDC10	0.5	U	U	U	U	230	480	340	1.05	>1
APD-SDC2	0.5	U	U	U	U	120	130	93	0.34	
APD-SDC4	0.5	U	U	U	U	100	280	230	0.61	
APD-SDC6	0.5	U	U	U	U	360	940	880	2.18	>1
APD-SDC8	0.5	U	U	U	U	18,000	49,000	91,000	158	>10
APD-SDC9	1.0	U	U	U	U	21	49	23	0.093	
APD-SDD3	0.5	U	U	U	U	90	170	140	0.4	
APD-SDD7	0.5	U	U	U	U	78	320	280	0.68	
APD-SDD9	0.5	U	U	U	U	18	13	8.9	0.040	
APD-SDT1 (B)	0.5	U	U	U	U	1,800	4,800	3,900	10.5	>10
APD-SDT1 (C)	0.5	U	U	U	U	3,200	4,600	U	7.8	>1
APD-SDT1 (D)	0.5	U	U	U	U	510	2,500	U	3.0	>1
APD-SDT2 (B)	0.5	U	U	U	U	1,000	3,400	3,400	7.8	>1
APD-SDT2 (C)	0.5	U	U	U	U	99,000	200,000	60,000	359	>10
APD-SDT2 (D)	0.5	U	U	U	U	6,700	20,000	5,400	32	>10
APD-SDT3 (B)	0.5	U	U	U	U	54,000	120,000	90,000	264	>10
APD-SDT3 (C)	1.0	U	U	U	U	23	58	32	0.11	
APD-SDT3 (D)	0.5	U	U	U	U	2,200	7,000	8,500	18	>10
APD-SDT4 (B)	0.5	U	U	U	U	37	80	110	0.23	
APD-SDT4 (C)	1.0	U	U	U	U	12,000	59,000	25,000	96	>10
APD-SDT4 (D)	0.5	U	U	U	U	22	590	250	0.86	

Notes:

This table presents draft results for sediment samples collected at the ACS Site in Griffith Indiana between November 20 and 22, 1996.

U= undetected

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SEDIMENT SAMPLE PCB RESULTS

Grid Samples

depth											
0.5	A1	E	*B1*	0.13	C1		D1				
1.0		E									
1.5		E									
0.5	A2	A	B2	E	*C2*	0.34	D2				
1.0		E		E							
1.5		E		E							
0.5	A3	E	B3	E	C3		*D3*	0.4			
1.0		E		E							
1.5		E		E							
0.5	A4	E	B4	A	*C4*	0.61	D4				
1.0		E		E							
1.5		E		E							
0.5	A5	A	*B5*	1.7	C5	A	D5	E			
1.0		E		A		E		E			
1.5		E		E		E		E			
0.5	A6	E	B6	A	*C6*	2.18	D6	A	E6	E	
1.0		E		E		A		E		E	
1.5		E		E		E		E		E	
0.5	A7	E	B7	E	C7	A	*D7*	0.68	E7		
1.0		E		E		E					
1.5		E		E		E					
0.5	A8	E	B8	A	*C8*	158	D8	A	E8	E	
1.0		E		E		A		E		E	
1.5		E		E		E		E		E	
0.5	A9	A	*B9*	58.1	*C9*	(126)	*D9*	0.04			
1.0		E		A		0.093					
1.5		E		E							
0.5	A10	E	B10	A	*C10*	1.05	D10	A			
1.0		E		E		A		E			
1.5		E		E		E		E			
0.5			B11	E	C11	A	D11	E			
1.0				E		E		E			
1.5				E		E		E			

Conc in ppm

Bold = > 1 ppm PCBs

E = Rd 2 Extract Only

A = Rd 2 Extract & Analyze

Notes

A = Analyzed

E = Extracted for potential analysis

Transect Samples

depth										
0.5	T1 (A)	A	*T1 (B)*	10.5	*T1 (C)*	7.8	*T1 (D)*	3	T1 (E)	A
1.0		E		A		A		A		E
1.5		E		E		E		E		E
0.5	T2 (A)	A	*T2 (B)*	7.8	*T2 (C)*	359	*T2 (D)*	32	T2 (E)	A
1.0		E		A		A		A		E
1.5		E		E		E		E		E
0.5	T3 (A)	A	*T3 (B)*	264	*T3 (C)*	(17)	*T3 (D)*	13	T3 (E)	A
1.0		E		A		0.11		A		E
1.5		E		E				E		E
0.5	T4 (A)		*T4 (B)*	0.23	*T4 (C)*	(13.1)	*T4 (D)*	0.86	T4 (E)	
1.0						96				
1.5						A				

Culvert Samples

0.5	*Dwnstrm*	0.38	*Outfall*	2.9
1.0				A
1.5				E
0.5			*Upstrm 1*	0.24
1.0				
1.5				
0.5			*Upstrm 2*	ND
1.0				
1.5				

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