

# **ATTACHMENT #2**

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DES MOINES SOUTH POND/  
DRAINAGE AREA  
SOURCE CONTROL OPERABLE UNIT  
(OPERABLE UNIT NO. 4)  
BUILDING SAMPLING, ANALYSES,  
AND ENGINEERING EVALUATION  
REPORT

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**DES MOINES SOUTH POND/DRAINAGE AREA  
SOURCE CONTROL OPERABLE UNIT  
(OPERABLE UNIT NO. 4)  
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ENGINEERING EVALUATION REPORT**

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TABLE 2-3  
 INTERIOR BUILDING INSULATION SAMPLE LOCATIONS AND ANALYTICAL RESULTS (PCBs)

DICO INC.  
 DES MOINES, IOWA

Sample <sup>a</sup>	Type	Sample Date	Location	PCB Compound by USEPA 8081 (milligrams per kilogram)	
				1254	1250
WPE - 1I	Insulation	1/30/92	Building 1, roof opening for A/C unit in office.	BMDL	BMDL
WPF - 1F	Insulation	1/30/92	Building 5, NE quad, 2 bays S of N wall, 6.5 joists W of E wall.	29,000	BMDL
WPF - 1I	Insulation	1/30/92	same as WPF - 1F	340	BMDL
WPF - 1R	Insulation	1/30/92	same as WPF - 1F	160	BMDL
WPB - 1F	Insulation	1/30/92	Building 4, NE quad, 3 bays S of N wall, 8.5 joists W of E wall.	2,700	BMDL
WPB - 1I	Insulation	1/30/92	same as WPB - 1F	210	BMDL
WPB - 1R	Insulation	1/30/92	same as WPB - 1F	250	BMDL
WPA - 1I	Insulation	1/30/92	Maintenance Building 3 bays W of E wall, 10 ft S of N wall at bracing.	67	BMDL
WPA - 1R	Insulation	1/30/92	same as WPA - 1I	110	BMDL
WPC - 1F	Insulation	1/30/92	Building 3, northern warehouse, 1 bay W of E wall, 1 joist N of low point in roof center line.	BMDL	170.
WPC - 1I	Insulation	1/30/92	same as WPC - 1F	BMDL	7.5
WPC - 1R	Insulation	1/30/92	same as WPC - 1F	BMDL	12
WPC - 2F	Insulation	1/30/92	Building 3, southern area, 2 bays W of E wall, 2 joists N of roof center line.	15,000	BMDL
WPC - 2I	Insulation	1/30/92	same as WPC - 2F	1,800	BMDL
WPC - 2R	Insulation	1/30/92	same as WPC - 2F	1,400	BMDL
WPC - 3F	Insulation	1/30/92	Building 3, western shop annex, 1 bay E of W wall, 4 joists N of S wall (near door)	38E <sup>b</sup>	BMDL
WPC - 3I	Insulation	1/30/92	same as WPC - 3F	BMDL	BMDL
WPC - 3R	Insulation	1/30/92	same as WPC - 3F	BMDL	BMDL
WPD - 1F	Insulation	1/30/92	Building 2, NW quad, 2 bays S of N wall, 9 joists E of W wall.	14,000	BMDL
WPD - 1I	Insulation	1/30/92	same as WPD - 1F	410	BMDL
WPD - 1R	Insulation	1/30/92	same as WPD - 1F	350	BMDL
WPD - 9D	Insulation	1/30/92	2 ft S of WPD - 1F. Same location as WPD - 1D collected 9/3/91.	230	BMDL

TABLE 2-3 (Continued)

## INTERIOR BUILDING INSULATION SAMPLE LOCATIONS AND ANALYTICAL RESULTS (PCBs)

DICO INC.  
DES MOINES, IOWA

Sample <sup>a</sup>	Type	Sample Date	Location	PCB Compound by USEPA 8081 (milligrams per kilogram)	
				1254	1260
WPD - 2F	Insulation	1/30/92	Building 2, NE quad, 1 bay S of N wall, 1 joist W of center low point.	2,000	800
WPD - 2I	Insulation	1/30/92	same as WPD - 2F	840	160
WPD - 2R	Insulation	1/30/92	same as WPD - 2F	640	27
WPD - 3F	Insulation	1/30/92	Building 2, SE quad, 2 bays N of S wall, 1 joist E of roof low point (near Building 3 walkway).	9,600	BMDL
WPD - 3I	Insulation	1/30/92	same as WPD - 3F	140	BMDL
WPD - 3R	Insulation	1/30/92	same as WPD - 3F	120	BMDL
WPB - 2I	Disturbed Insulation	1/31/92	Building 4, W side, bay S of N wall, 3 bays E of W wall, near former mixer area	300	BMDL
WPC - 4I	Disturbed Insulation	1/31/92	Building 3, directly above E edge of former mixer area in NW corner.	BMDL	22
WPB - 3I	Insulation	1/31/92	Building 4, wall insulation, 3 bays S of N wall, 4 ft above floor on E wall, N of column 5QI.	250	BMDL
WPF - 2I	Insulation	1/31/92	Building 5, wall insulation, W wall, 6 bays N of S wall, near column 5E4, 5 ft above floor.	200	BMDL
WPC - 5I	Insulation	1/31/92	Building 3, south side, S wall insulation, 2 ft E of overhead door 6.5 ft above floor.	160	BMDL
WPC - 6I	Insulation	1/31/92	Building 3, side, wall insulation, S partition, 2 bays W of E wall, adjacent to E side of second column.	38	BMDL

<sup>a</sup>F = Foil backing.

I = Intermediate layer.

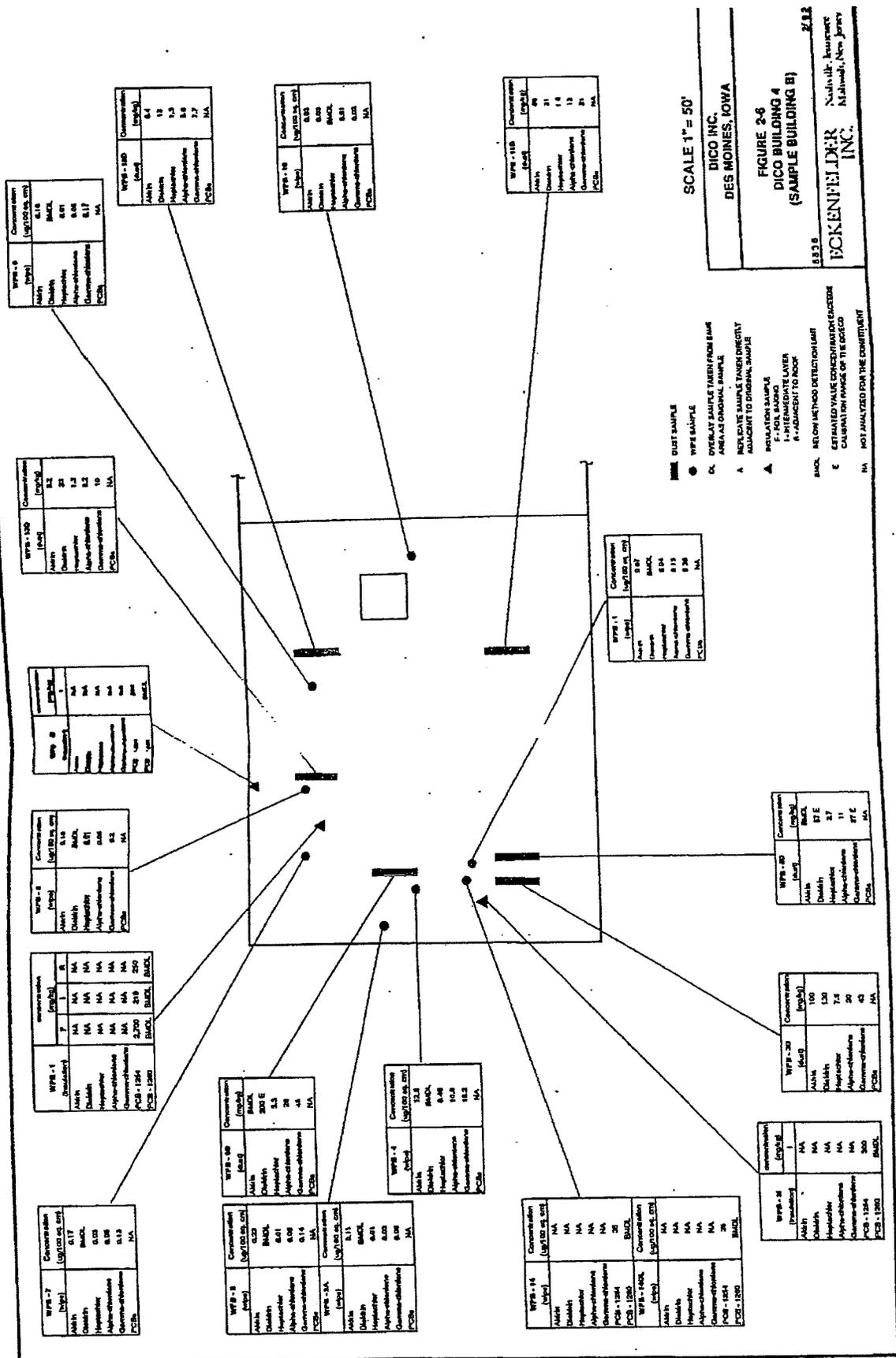
R = Adjacent to roof.

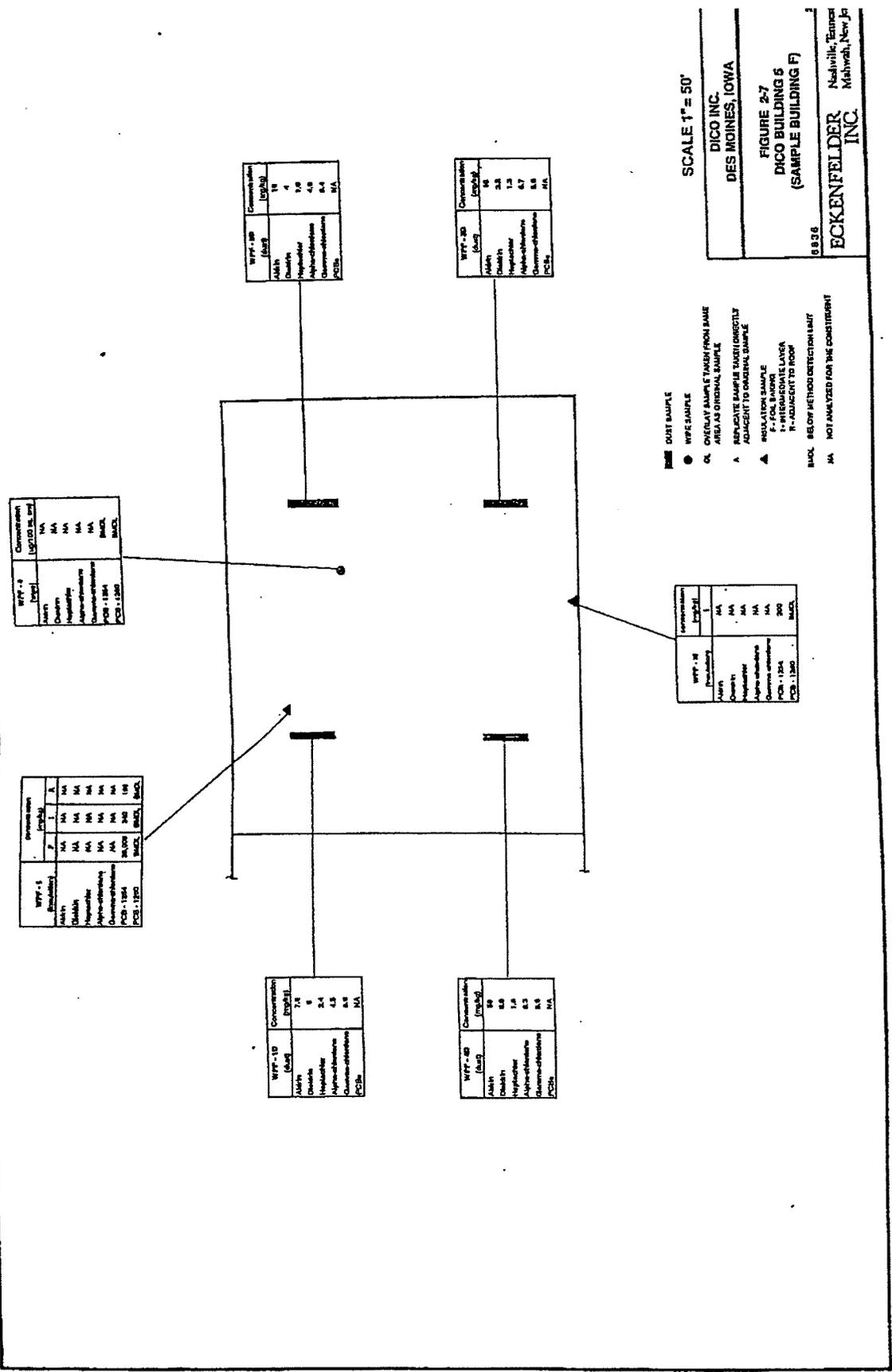
<sup>b</sup>E = Estimated value. Clear visual picture was not observed due to sample matrix.











WFF-2	Concentration (ppb)	Comments
Asbestos	NA	NA
Lead	NA	NA
PCB-1254	NA	NA
PCB-1260	NA	NA

WFF-1	Concentration (ppb)	Comments
Asbestos	NA	NA
Lead	NA	NA
PCB-1254	NA	NA
PCB-1260	NA	NA

WFF-10	Concentration (ppb)	Comments
Asbestos	7.8	
Lead	6	
PCB-1254	4.4	
PCB-1260	4.8	
PCB-1268	NA	

WFF-8D	Concentration (ppb)	Comments
Asbestos	99	
Lead	6.9	
PCB-1254	1.5	
PCB-1260	6.3	
PCB-1268	NA	

WFF-10B	Concentration (ppb)	Comments
Asbestos	18	
Lead	4	
PCB-1254	9.8	
PCB-1260	4.8	
PCB-1268	NA	

WFF-2D	Concentration (ppb)	Comments
Asbestos	86	
Lead	1.5	
PCB-1254	6.3	
PCB-1260	NA	

- DUST SAMPLE
- WFE SAMPLE
- OVERLAY SAMPLE TAKEN FROM BASE AREA AS ORIGINAL SAMPLE
- △ REPLICATE SAMPLE TAKEN DIRECTLY ADJACENT TO ORIGINAL SAMPLE
- ▲ INSULATION SAMPLE
- FLOOR FINISH
- INTERMEDIATE LAYER
- ADJACENT TO ROOF
- BELOW METHOD DETECTION LIMIT
- NA NOT ANALYZED FOR THE CONSTITUENT

WFF-10	Concentration (ppb)	Comments
Asbestos	NA	NA
Lead	NA	NA
PCB-1254	NA	NA
PCB-1260	NA	NA

SCALE 1" = 50'

DICO INC.  
DES MOINES, IOWA

FIGURE 2-7  
DICO BUILDING 5  
(SAMPLE BUILDING F)

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ECKENFELDER INC.  
Nashville, Tennessee  
Mahwah, New Jersey