

**Concrete Analytical Results  
Power Plant "A" Area  
UMore Park  
Rosemount, Minnesota**

Compound/Parameter	Sample Identifier						Residential Soil Reference Value (SRV)	Industrial Soil Reference Value (SRV)	Tier I Soil Leaching Value (SLV)
	CS-73-401A-3	CS-74-401A-3	CS-75-401A	CS-76-401A	CS-77-401A	CS-78-401A			
	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006			
<b>Volatile Organic Compounds (VOCs) reported in mg/kg</b>									
All Reported VOCs	ND	NA	NA	ND	NA	NA	NE	NE	NE
<b>Volatile Organic Compounds (VOCs) - Alcohols reported in mg/kg</b>									
All Reported VOCs - Alcohols	NA	NA	NA	NA	NA	NA	NE	NE	NE
<b>Base-Neutral Extractables reported in mg/kg</b>									
Di-n-butyl phthalate	< 0.16	<b>0.258</b>	NA	<b>0.26</b>	NA	NA	2,440	16,300	23
All Other Reported BNE's	ND	ND	NA	ND	NA	NA	NE	NE	NE
<b>Polychlorinated Biphenyls (PCBs) reported in mg/kg</b>									
Total PCBs	NA	NA	NA	ND	ND	ND	1.2	8	2.1
<b>Explosives reported in mg/kg</b>									
<i>No samples from Power Plant A were run for explosive compounds.</i>									
<b>Diphenylamine (DPA) and Aniline reported in mg/kg</b>									
Aniline	< 1.6	< 1.6	NA	< 1.6	NA	NA	NE	NE	NE
Diphenylamine	< 0.108	< 0.108	NA	< 0.108	NA	NA	NE	NE	1.6
<b>Metals reported in mg/kg</b>									
Arsenic	<b>2.245</b>	<b>2.32</b>	<b>3.237</b>	<b>2.816</b>	NA	NA	5	20	15.1
Barium	<b>44.36</b>	<b>46.05</b>	<b>34.88</b>	<b>51.89</b>	NA	NA	1,200	18,000	842
Cadmium	< 0.049	<b>0.081</b>	<b>0.064</b>	<b>0.083</b>	NA	NA	25	200	4.4
Chromium	<b>13.5</b>	<b>19.7</b>	<b>9.7</b>	<b>11.6</b>	NA	NA	44,000 <sup>a</sup>	100,000 <sup>a</sup>	1,000,000 <sup>a</sup>
Lead	<b>1.48</b>	<b>1.63</b>	<b>2.87</b>	< 1.49	NA	NA	300	700	525
Mercury	< 0.02	< 0.02	< 0.02	< 0.02	NA	NA	0.5	1.5	1.6
Selenium	< 0.247	< 0.248	< 0.247	< 0.249	NA	NA	160	1,300	1.5
Silver	<b>0.417</b>	<b>0.259</b>	<b>0.186</b>	<b>0.33</b>	NA	NA	160	1,300	3.9
<b>Asbestos reported in percent</b>									
Asbestos	ND	ND	ND	ND	NA	NA	NE	NE	NE

**Notes:**

mg/kg = Milligrams per kilogram.

NA = Not analyzed for this parameter.

ND = Not detected.

NE = Not established.

< 0.025 = Compound not detected at or above the listed value.

<sup>a</sup> = No SRV or SLV is established for "total chromium"; the SRV/SLV listed is for chromium III and has been used because analysis of representative samples did not detect chromium VI (hexavalent chromium).

**Soil Analytical Results  
Power Plant "A" Area  
UMore Park  
Rosemount, Minnesota**

Compound/Parameter	Sample Identifier					Residential Soil Reference Value (SRV)	Industrial Soil Reference Value (SRV)	Tier I Soil Leaching Value (SLV)
	TT-48(0-1')-401A	TT-48(1-2')-401A	TT-48(1-3')-401A	TT-49(0-1')-401A	TT-49(4-5')-401A-3			
	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006			
<b>Volatile Organic Compounds (VOCs) reported in mg/kg</b>								
All Reported VOCs	NA	NA	NA	NA	ND	NE	NE	NE
<b>Volatile Organic Compounds (VOCs) - Alcohols reported in mg/kg</b>								
All Reported VOCs - Alcohols	NA	NA	NA	NA	NA	NE	NE	NE
<b>Base-Neutral Extractables reported in mg/kg</b>								
2-Methylnaphthalene	NA	NA	0.045	NA	< 0.04	100	369	NE
Benzo(a)anthracene	NA	NA	0.033	NA	< 0.031	a	a	a
Bis(2-ethylhexyl)phthalate	NA	NA	< 0.09	NA	0.144	570	2,100	40
Chrysene	NA	NA	0.036	NA	< 0.034	a	a	a
Dibenzofuran	NA	NA	0.037	NA	< 0.035	104	810	NE
Phenanthrene	NA	NA	0.137	NA	< 0.035	NE	NE	NE
Pyrene	NA	NA	0.052	NA	< 0.03	890	5,800	272
Benzo(a)pyrene Equivalent <sup>a</sup>	NA	NA	0.004	NA	0	2	3	10.2
<b>Polychlorinated Biphenyls (PCBs) reported in mg/kg</b>								
Total PCBs	NA	NA	ND	NA	NA	1.2	8	2.1
<b>Explosives reported in mg/kg</b>								
<i>No samples from Power Plant A were run for explosive compounds.</i>								
<b>Diphenylamine (DPA) and Aniline reported in mg/kg</b>								
Aniline	NA	NA	<0.8	NA	<0.8	NE	NE	NE
Diphenylamine	NA	NA	<0.054	NA	<0.054	NE	NE	1.6
<b>Metals reported in mg/kg</b>								
Arsenic	7.676	NA	4.089	2.954	NA	5	20	15.1
Barium	260.4	NA	28.45	43.1	NA	1,200	18,000	842
Cadmium	0.217	NA	0.123	0.152	NA	25	200	4.4
Chromium	11.5	NA	7.33	11.4	NA	44,000 <sup>b</sup>	100,000 <sup>b</sup>	1,000,000 <sup>b</sup>
Lead	43.4	NA	4.36	335	NA	300	700	525
Mercury	0.32	NA	0.09	< 0.02	NA	0.5	1.5	1.6
Selenium	0.807	NA	< 0.122	< 0.12	NA	160	1,300	1.5
Silver	0.114	NA	0.098	0.053	NA	160	1,300	3.9
<b>Asbestos reported in percent</b>								
Asbestos	NA	ND	NA	ND	NA	NE	NE	NE

**Notes:**

mg/kg = Milligrams per kilogram.

NA = Not analyzed for this parameter.

ND = Not detected.

NE = Not established.

< 0.025 = Compound not detected at or above the listed value.

a = Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following compounds:

benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

<sup>b</sup> = No SRV or SLV is established for "total chromium"; the SRV/SLV listed is for chromium III and has been used because analysis of representative samples did not detect chromium VI (hexavalent chromium).