

Table 1. Contaminants Detected in Residential Soil Near Madison-Kipp

Expert Report of Dr. Lorne Everett

Address	Class of Chemicals detected in soil*	Exceed non-industrial Direct Contact RCL or Action Level?	Chemicals
102 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
106 Marquette	VOC, PAH, metals	Yes	TCE, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic, Lead
110 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
114 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Dibenz(a,h)anthracene, Arsenic
118 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
126 Marquette	VOC, PAH, metals	Yes	PCE**, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
128 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Dibenz(a,h)anthracene, Arsenic
130 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Arsenic
134 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
138 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Dibenz(a,h)anthracene, Arsenic
142 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic

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Address	Class of Chemicals detected in soil*	Exceed non-industrial Direct Contact RCL or Action Level?	Chemicals
146 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Arsenic
150 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
154 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
162 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Arsenic
166 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Dibenz(a,h)anthracene, Arsenic
202 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
206 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
210 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
214 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
218 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
222 Marquette	VOC, PAH, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
226 Marquette	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic

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Address	Class of Chemicals detected in soil*	Exceed non-industrial Direct Contact RCL or Action Level?	Chemicals
230 Marquette	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
233 Waubesa	VOC, PAH, PCB, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
241 Waubesa	VOC, PAH, PCB, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
245 Waubesa	VOC, PAH, PCB, metals	Yes	PCE**, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
249 Waubesa	VOC, PAH, PCB, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
253 Waubesa	VOC, PAH, PCB, metals	Yes	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic
257 Waubesa	VOC, PAH, metals	Yes	PCE**, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Arsenic
261 Waubesa	VOC, PAH, metals	Yes	Benzo(a)pyrene, Arsenic, Lead
265 Waubesa	VOC, PAH, metals	Yes	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Arsenic

*Metals are listed if one or more metals exceed Wisconsin non-industrial direct contact RCL; VOC detections are generally in soil vapor

**PCE exceedence was in subslab sample (WDNR, Residential Sampling Update, June 29, 2012)

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Expert Report of Lorne G. Everett, PhD, DSc.

Kathleen McHugh and Deanna Schneider, et al. v. Madison-Kipp Corporation, et al.

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Photographs