

**Table 1**

**Surface Water Sampling Results, Unnamed Tributary to Prairie Creek**  
(Selected Analytical Results, October 2000-May 2001)

Contaminant	SW-04	SW-07	SW-08	SW-09	SW-10	ATSDR Comparison Values	EPA MCL
<b>VOCs</b>							
1,1 – Dichloroethane	<1.0	<b>18.8</b>	<1.0	<b>51.5</b>	<1.0	9 (Orl, Chronic)*	NA
Cis-1,2-Dichloroethene	4.3	58.6	<1.0	<b>146</b>	<1.0	3000 (Child, Inter)† 10,000 (Adult, Inter)†	70
Ethylbenzene	11.3	<b>4,180</b>	12.8	<b>10,500</b>	<1.0	1,000 (Inh, Inter)*	700
Toluene	<1.0	30.8	<1.0	79.3	<1.0	200 (Child, Inter)† 700 (Adult, Inter)†	1,000
Xylenes, total	67.0	<b>12,900</b>	71.6	<b>27,600</b>	<2.0	2000 (Child, Inter)† 7000 (Adult, Inter)†	10,000
<b>Semi-VOCs</b>							
Pentachlorophenol	<b>8.5</b>	2.4	<b>240</b>	0.3	<b>7.7</b>	10 (Child, Inter)† 40 (Adult, Inter)†	1
<b>2,3,7,8-Dioxin Total Equivalents</b>							
2,3,7,8 TCDD TEQs	<b>0.00000996</b>	0.00000164	<b>0.000021</b>	Not Detected	<b>0.0000204</b>	0.0002 (Child, Inter)† 0.0007 (Adult, Inter)†	0.00000003

All values are in parts per billion (ppb) or micrograms per liter (µg/L).

NA=Not available.

\*ATSDR MRL values are categorized by exposure method and duration of exposure. (Inh=Inhalation; Orl=Orally; Acute=contact that occurs only once or for up to 14 days; †ATSDR EMEG values categorized by duration of exposure and by adult or child.

Intermediate=contact that occurs for more than 14 days but less than 1 year; Chronic=contact that occurs for more than 1 year.)

Values in **bold** typeface exceed an ATSDR CV or EPA MCL for acute, intermediate, or chronic exposure.

MCL=Maximum Contaminant Level for drinking water.

**Table 2**

**Sediment and Soil Sampling Results, Unnamed Tributary to Prairie Creek**  
(Selected Analytical Results, April 2002)

Contaminant	Sampling Location (Cell ID)										ATSDR CV*	MDNR CALM
	254	251	248	245	242	239	236	233	230	227		
Benzo(a)anthracene	910J	ND	590	530J	ND	680J	860J	<i>1,700J</i>	800J	<i>2,400J</i>	Not available	1,000
Benzo(a)pyrene	<i>980J</i>	ND	700	<i>610J</i>	ND	<i>690J</i>	<i>810J</i>	<i>1,400J</i>	<i>790J</i>	<i>2,100J</i>	100	200
Benzo(b)fluoranthene	<i>1,100J</i>	ND	860	670J	ND	790J	860J	<i>1,400J</i>	810J	<i>2,100J</i>	Not available	900
Dibenz(a,h)anthracene	<i>490J</i>	ND	ND	ND	ND	ND	ND	<i>640J</i>	ND	<i>1,000J</i>	Not available	200
Indeno(1,2,3,cd)pyrene	1,400J	ND	ND	690J	ND	780J	820J	1,700J	950J	2,800J	Not available	3,000
Pentachlorophenol	1,000U	990U	1,100U	1,100U	1,100U	1,000U	1,000U	1,100U	1,100U	1,100U	50,000	6,000

Contaminant	Sampling Location (Cell ID)										ATSDR CV*	MDNR CALM
	224	221	218	215	212	209	209 FD	206	203	200		
Benzo(a)anthracene	<i>2,800J</i>	<i>1,900J</i>	<i>1,200J</i>	<i>3,100</i>	<i>1,800</i>	<i>1,200</i>	<i>2,000J</i>	<i>1,600J</i>	<i>4,700</i>	<i>5,600</i>	Not available	1,000
Benzo(a)pyrene	<i>2,900J</i>	<i>1,700J</i>	<i>1,200J</i>	<i>2,500J</i>	<i>2,100J</i>	<i>1,400J</i>	<i>2,200J</i>	<i>1,400J</i>	<i>4,900J</i>	<i>6,700J</i>	100	200
Benzo(b)fluoranthene	<i>3,100J</i>	<i>1,900J</i>	<i>1,200J</i>	<i>2,500J</i>	<i>2,600J</i>	<i>1,800J</i>	<i>2,000J</i>	<i>1,300J</i>	<i>5,800J</i>	<i>8,900J</i>	Not available	900
Dibenz(a,h)anthracene	<i>750J</i>	<i>740J</i>	ND	<i>1,200J</i>	ND	ND	<i>810J</i>	<i>740J</i>	<i>1,200J</i>	<i>1,600J</i>	Not available	200
Indeno(1,2,3,cd)pyrene	2,100J	2,200J	1,100J	<i>3,000J</i>	1,200J	870J	2,100J	1,700J	<i>3,500J</i>	<i>4,600J</i>	Not available	3,000
Pentachlorophenol	1,100U	1,100U	1,000U	1,000U	1,100U	1,000U	1,000U	990U	980U	1,100U	50,000	6,000

\*ATSDR CV=ASTDR Comparison Values for Soil. Comparison values are media-specific concentrations that are used by health assessors to select environmental contaminants for further evaluation.

All Values in parts per billion (ppm) or micrograms per kilogram (µg/kg). Values in *bold italics* exceed MDNR CALM levels.

ND=Not Detected; J=Concentrations are estimates.

**Table 3**

**Sediment and Soil Sampling Results, Unnamed Tributary to Prairie Creek**  
(Selected Analytical Results, August 2003)

Contaminant	Sampling Location (Cell ID)					ATSDR CV*	MDNR CALM
	203	224	236	236 FD	245		
Benzo(a)anthracene	<b>3,300</b>	380U	370U	400U	360U	Not available	1,000
Benzo(a)pyrene	<b>3,500</b>	380U	370U	400U	360U	100	200
Benzo(b)fluoranthene	<b>3,700</b>	380U	370U	400U	360U	Not available	900
Dibenz(a,h)anthracene	2,000U	380U	370U	400U	360U	Not available	200
Indeno(1,2,3,cd)pyrene	2,000	380U	370U	400U	360U	Not available	3,000
Pentachlorophenol	4,900U	960U	930U	990U	990U	50,000	6,000

\*ATSDR CV=ASTDR Comparison Values for Soil. Comparison values are media-specific concentrations that are used by health assessors to select environmental contaminants for further evaluation.

All values in parts per billion or µg/kg. Values in **bold italics** exceed MDNR CALM levels.

U=The contaminant was not detected at or above the reporting limit.

**Table 4**

**Surface Water Sampling Results**  
(December 2002)

Sample Location	Sampling Date and PCP Concentration			EPA MCL	ATSDR EMEG*
	5/30/02	8/28/02 & 9/12/02	12/12/02		
SW 4	<b>42</b>	<b>250</b>	<b>102</b>	1	10 Inter, Child 40 Inter, Adult
SW 4 duplicate	<b>41</b>	<b>204</b>	<b>86</b>	1	10 Inter, Child 40 Inter, Adult
SW 5	<b>5.8</b>	0.76	<b>3.22</b>	1	10 Inter, Child 40 Inter, Adult
SW-5.5	NA	NA	<b>2.49</b>	1	10 Inter, Child 40 Inter, Adult

All values in parts per billion or µg/L.

Concentrations in **bold** typeface exceed MCL or EMEG values.

NA=Data not available.

\*ATSDR EMEG values are categorized by exposure method and by child or adult.

Intermediate exposure =contact that occurs for more than 14 days but less than 1 year.

**Table 5****Emerson Electric Water Monitoring Results**

(Selected analytical results, December 2003 sampling)

Contaminant	Influent	Effluent	SS-1	SS-2	SS-3	ATSDR MRL	EPA MCL
<b>1,1-Dichloroethane</b>	<b>310 U</b>	0.5 U	1.8 U	0.8 U	0.5 U	Chronic, Oral 9	NA
<b>Cis 1,2-Dichloroethene</b>	<b>130 JB</b>	0.5 U	0.55 J	2.1	0.35 J	Acute, Oral 1,000	70
<b>Ethylbenzene</b>	<b>4,300</b>	0.052 J	5.9	0.84 U	0.034 J	Int, Inh 1,000	700
<b>Toluene</b>	42 J	0.09 J	0.72 J	0.2 JB	0.5 U	Acute, oral 800	1000
<b>Vinyl Chloride</b>	<b>310U</b>	<b>2.6</b>	<b>0.73J</b>	<b>0.34J</b>	<b>0.5U</b>	Chronic, Oral 0.02	2
<b>Xylenes, total</b>	<b>17,000</b>	0.12 J	130	58 B	0.22 J	Int, Oral, 200	10,000
<b>Pentachlorophenol</b>	<b>20 U</b>	<b>20 U</b>	<b>93</b>	<b>70</b>	<b>20 U</b>	Acute, oral 5	1

All values are in parts per billion or µg/L.

NA=Not available.

U=Not detected at reporting limit.

J=Estimated value.

B=Analyte also detected in trip blank (with exception of metals data result is less than reporting limit).

\*ATSDR MRL values are categorized by exposure method and duration of exposure. (Inh=inhalation; Oral=orally; Acute=contact that occurs only once or for up to 14 days; Intermediate=contact that occurs for more than 14 days but less than 1 year; Chronic=contact that occurs for more than 1 year.)

Values in **bold** typeface exceed an ATSDR MRL for either acute, intermediate, or chronic exposure.

DHSS PRG=Department of Health and Senior Services Preliminary Remediation Goals for surface water.