

TABLE 2-1
PROJECT REMEDIATION OBJECTIVES
FOR CONSTITUENTS OF CONCERN
CHAMPAIGN MGP
AMERENIP

| | Tier 1 Remediation Objective | | | | | | | | | IEPA Accepted Background Levels MSA | Project Remediation Objective |
|--|------------------------------|-----------------------|-----------------------|-------------------|------------|--------------|------------------------------|------------|---|---|-------------------------------------|
| | <i>Ingestion</i> | | | <i>Inhalation</i> | | | <i>Indoor Inhalation</i> | | Soil Component to Groundwater Class I | | |
| | Residential | Commercial | Construction | Residential | Commercial | Construction | Residential | Commercial | | | |
| <i>Volatile Organic Compounds (mg/kg)</i> | | | | | | | | | | | |
| Benzene | 12 | 100 | 2,300 | 0.80 | 1.6 | 2.2 | 0.069 | 0.51 | 0.03 | --- | 1.6 |
| Ethylbenzene | 7,800 | 200,000 | 20,000 | 400 | 400 | 58.0 | 130 | 130 | 13 | --- | 400 |
| Toluene | 16,000 | 410,000 | 410,000 | 650 | 650 | 42.0 | 240 | 240 | 12 | --- | 650 |
| Total Xylenes | 16,000 | 410,000 | 41,000 | 410 | 320 | 5.6 | 63 | 100 | 150 | --- | 320 |
| Styrene | 16,000 | 410,000 | 41,000 | 1,500 | 1,500 | 430 | 230 | 230 | 4 | --- | 1,500 |
| Acetone | 7,800 | 200,000 | 200,000 | 100,000 | 100,000 | 10,000 | 100,000 | 100,000 | 16 | --- | 100,000 |
| Methylene Chloride | 85 | 760 | 12,000 | 13 | 24 | 34 | 1.4 | 10 | 0.02 | --- | 24 |
| <i>Semivolatile Organic Compounds (mg/kg)</i> | | | | | | | | | | | |
| Acenaphthene | 4,700 | 120,000 | 120,000 | --- | --- | --- | --- | --- | 570 | 0.13 | 120,000 |
| Acenaphthylene | 2,300 ⁽¹⁾ | 61,000 ⁽¹⁾ | 61,000 ⁽¹⁾ | --- | --- | --- | --- | --- | 24 ⁽¹⁾ | 0.07 | 61,000 |
| Benzo(a)anthracene | 0.9 | 8 | 170 | --- | --- | --- | --- | --- | 2 | 1.8 | 8 |
| Benzo(a)pyrene | 0.09 | 0.8 | 17 | --- | --- | --- | --- | --- | 8 | 2.1 | 2.1 |
| Benzo(b)fluoranthene | 0.9 | 8 | 170 | --- | --- | --- | --- | --- | 5 | 2.1 | 8 |
| Benzo(k)fluoranthene | 9 | 78 | 1,700 | --- | --- | --- | --- | --- | 49 | 1.7 | 78 |
| Chrysene | 88 | 780 | 17,000 | --- | --- | --- | --- | --- | 160 | 2.7 | 780 |
| Dibenzo(a,h)anthracene | 0.09 | 0.8 | 17 | --- | --- | --- | --- | --- | 2 | 0.42 | 0.80 |
| Dibenzofuran | 310 ⁽¹⁾ | 8,200 ⁽¹⁾ | 820 ⁽¹⁾ | --- | --- | --- | --- | --- | 15 ⁽¹⁾ | --- | 8,200 |
| Fluorene | 3,100 | 82,000 | 82,000 | --- | --- | --- | --- | --- | 560 | 0.18 | 82,000 |
| Indeno(1,2,3-cd)pyrene | 0.9 | 8 | 170 | --- | --- | --- | --- | --- | 14 | 1.6 | 8 |
| Naphthalene | 1,600 | 41,000 | 4,100 | 170 | 270 | 1.8 | 34 | 34 | 12 | 0.2 | 270 |
| Phenanthrene | 2,300 ⁽¹⁾ | 61,000 ⁽¹⁾ | 61,000 ⁽¹⁾ | --- | --- | --- | --- | --- | 220 ⁽¹⁾ | 2.5 | 61,000 |
| 2-methylnaphthalene | 2,300 | 61,000 | 61,000 | --- | --- | --- | 83 | 83 | 29 | 0.14 | 83 |
| <i>Metals (mg/kg)</i> | | | | | | | | | | | |
| Arsenic | 13 | 13 | 61 | 750 | 1,200 | 25,000 | --- | --- | 30 | 13 | 13 |
| Chromium | 230 | 6,100 | 4,100 | 270 | 420 | 690 | --- | --- | 32 | 16.2 | 420 |
| Lead | 400 | 800 | 700 | --- | --- | --- | --- | --- | 107 | 36 | 800 |
| Mercury | 23 | 610 | 61 | 10 | 16 | 0.1 | 0.45 | 0.45 | 6.4 | 0.06 | 16 |
| <i>Inorganics (mg/kg)</i> | | | | | | | | | | | |
| Cyanide | 1,600 | 41,000 | 4,100 | --- | --- | --- | --- | --- | 40 | 0.51 | 41,000 |

Notes:

(1) Non-TACO or provisional RO provided by the IEPA

--- No remediation objective has been established by the IEPA for this constituent for exposure route

mg/kg Milligrams per kilogram