

APPENDIX A

Table 2 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Groundwater

| Regulated Substance  | CASRN      | Used Aquifers |             |             |             | Nonuse Aquifers |              |
|----------------------|------------|---------------|-------------|-------------|-------------|-----------------|--------------|
|                      |            | TDS ≤ 2500    |             | TDS > 2500  |             | R               | NR           |
|                      |            | R             | NR          | R           | NR          |                 |              |
| ANTIMONY             | 7440-36-0  | 6 M           | 6 M         | 600 M       | 600 M       | 6,000 M         | 6,000 M      |
| ARSENIC              | 7440-38-2  | 10 M          | 10 M        | 1,000 M     | 1,000 M     | 10,000 M        | 10,000 M     |
| ASBESTOS (fibers/L)  | 12001-29-5 | 7,000,000 M   | 7,000,000 M | 7,000,000 M | 7,000,000 M | 7,000,000 M     | 7,000,000 M  |
| BARIUM AND COMPOUNDS | 7440-39-3  | 2,000 M       | 2,000 M     | 200,000 M   | 200,000 M   | 2,000,000 M     | 2,000,000 M  |
| BERYLLIUM            | 7440-41-7  | 4 M           | 4 M         | 400 M       | 400 M       | 4,000 M         | 4,000 M      |
| BORON AND COMPOUNDS  | 7440-42-8  | 6,000 H       | 6,000 H     | 600,000 H   | 600,000 H   | 6,000,000 H     | 6,000,000 H  |
| CADMIUM              | 7440-43-9  | 5 M           | 5 M         | 500 M       | 500 M       | 5,000 M         | 5,000 M      |
| CHROMIUM (TOTAL)     | 7440-47-3  | 100 M         | 100 M       | 10,000 M    | 10,000 M    | 100,000 M       | 100,000 M    |
| COBALT               | 7440-48-4  | 11 G          | 31 G        | 1,100 G     | 3,100 G     | 11,000 G        | 31,000 G     |
| COPPER               | 7440-50-8  | 1,000 M       | 1,000 M     | 100,000 M   | 100,000 M   | 1,000,000 M     | 1,000,000 M  |
| CYANIDE, FREE        | 57-12-5    | 200 M         | 200 M       | 20,000 M    | 20,000 M    | 200,000 M       | 200,000 M    |
| FLUORIDE             | 16984-48-8 | 4,000 M       | 4,000 M     | 400,000 M   | 400,000 M   | 4,000,000 M     | 4,000,000 M  |
| LEAD                 | 7439-92-1  | 5 M           | 5 M         | 500 M       | 500 M       | 5,000 M         | 5,000 M      |
| LITHIUM              | 7439-93-2  | 73 G          | 200 G       | 7,300 G     | 20,000 G    | 73,000 G        | 200,000 G    |
| MANGANESE            | 7439-96-5  | 300 H         | 300 H       | 30,000 H    | 30,000 H    | 300,000 H       | 300,000 H    |
| MERCURY              | 7439-97-6  | 2 M           | 2 M         | 200 M       | 200 M       | 2,000 M         | 2,000 M      |
| MOLYBDENUM           | 7439-98-7  | 40 H          | 40 H        | 4,000 H     | 4,000 H     | 40,000 H        | 40,000 H     |
| NICKEL               | 7440-02-0  | 100 H         | 100 H       | 10,000 H    | 10,000 H    | 100,000 H       | 100,000 H    |
| NITRATE NITROGEN     | 14797-55-8 | 10,000 M      | 10,000 M    | 1,000,000 M | 1,000,000 M | 10,000,000 M    | 10,000,000 M |
| NITRITE NITROGEN     | 14797-65-0 | 1,000 M       | 1,000 M     | 100,000 M   | 100,000 M   | 1,000,000 M     | 1,000,000 M  |
| PERCHLORATE          | 7790-98-9  | 15 H          | 15 H        | 1,500 H     | 1,500 H     | 15,000 H        | 15,000 H     |
| SELENIUM             | 7782-49-2  | 50 M          | 50 M        | 5,000 M     | 5,000 M     | 50,000 M        | 50,000 M     |
| SILVER               | 7440-22-4  | 100 H         | 100 H       | 10,000 H    | 10,000 H    | 100,000 H       | 100,000 H    |

|                    |           |          |          |             |             |              |              |
|--------------------|-----------|----------|----------|-------------|-------------|--------------|--------------|
| THALLIUM           | 7440-28-0 | 2 M      | 2 M      | 200 M       | 200 M       | 2,000 M      | 2,000 M      |
| TIN                | 7440-31-5 | 22,000 G | 61,000 G | 2,200,000 G | 6,100,000 G | 22,000,000 G | 61,000,000 G |
| VANADIUM           | 7440-62-2 | 260 G    | 720 G    | 26,000 G    | 72,000 G    | 260,000 G    | 720,000 G    |
| ZINC AND COMPOUNDS | 7440-66-6 | 2,000 H  | 2,000 H  | 200,000 H   | 200,000 H   | 2,000,000 H  | 2,000,000 H  |

| SECONDARY CONTAMINANTS |           |         |       |
|------------------------|-----------|---------|-------|
| REGULATED SUBSTANCE    | CASRN     | SMCL    | UNITS |
| ALUMINUM               | 7429-90-5 | 200     | µg/L  |
| CHLORIDE               | 7647-14-5 | 250,000 | µg/L  |
| FLUORIDE               | 7681-49-4 | 2,000   | µg/L  |
| IRON                   | 7439-89-6 | 300     | µg/L  |
| MANGANESE              | 7439-96-5 | 50      | µg/L  |
| SULFATE                | 7757-82-6 | 250,000 | µg/L  |

All concentrations in ug/L (except asbestos)

M = Maximum Contaminant Level

H = Lifetime Health Advisory Level

SMCL = Secondary Maximum Contaminant Level

G = Ingestion

N = Inhalation