# Oxidation Charts For Iron, Manganese & Hydrogen Sulfide

## Iron Oxidation

| Oxidant | Amount needed to oxidize 1 ppm Fe |
|---|---|
| Oxygen (02) | 0.14 ppm |
| Chlorine (C12) | 0.62 ppm |
| Ozone (03) | 0.86 ppm |
| Potassium Permanganate (Kmn04) | 1.00 ppm |
| Iodine (I3) | 3.60 ppm |
| Hydrogen Peroxide | 1.0 ppm |

## Manganese Oxidation

| Oxidant | Amount needed to oxidize 1 ppm Mn |
|---|---|
| Oxygen (02) | 0.21 ppm |
| Chlorine (C12) | 2.00 ppm |
| Ozone (03) | 1.60 ppm |
| Potassium Permanganate (Kmn04) | 2.70 ppm |
| Iodine (I3) | 7.20 ppm |
| Hydrogen Peroxide | Not recommended |

## Hydrogen Sulfide Oxidation

| Oxidant | Amount needed to oxidize 1 ppm H2S |
|---|---|
| Chlorine (C12) | 3.00 ppm |
| Potassium Permanganate (Kmn04) | 6.00 ppm |
| Iodine (I3) | 10.8 ppm |
| Hydrogen Peroxide | 2.0 ppm |
| Ozone (03) | 2.00 ppm |

Allow 20 – 40 minutes for complete oxidation to occur depending on temperature, pH and oxidant used.

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Have questions? Call us at 888-600-5426 and speak with one of our WQA Certified Master Water Specialists.
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