

In Situ Chemical Oxidation

The injection of oxidant and amendment solutions into a source zone to destroy contaminants through chemical reactions.

[Dense, nonaqueous-phase liquids \(DNAPLs-5\)](#)

Section 5.5 (In Situ Chemical Oxidation)

Describes in situ chemical oxidation of DNAPL products.

[A Systematic Approach to In Situ Bioremediation in Groundwater \(ISB-8\)](#)

Section 10.8.4 (Chemical Processes), page 111

Describes chemical reduction or perchlorate.

[Integrated DNAPL Site Strategy \(IDSS-1\)](#)

Section 4.1.3.1 (In Situ Chemical Oxidation)

Describes in situ chemical oxidation and its applicability to DNAPL sites.

[Integrated DNAPL Site Strategy \(IDSS-1\)](#)

Table 4-2

Technology compatibility matrix for in situ oxidation with other remedial technologies used in tandem.

[MTBE and Other Fuel Oxygenates \(MTBE-1\)](#)

Section 4.4 (Chemical Oxidation), pages 70-73

Provides an overview of in situ chemical oxidation for use in remediation of MTBE.