

# Permeable Reactive Barriers

A permeable wall built with reactive materials to treat groundwater as it flows through the barrier.

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

[Section 4.1.4.2](#): Describes PRBs and their use in treatment of DNAPLs.

[Section 4.1.4.3](#): Describes low-permeability barrier walls and their use in treatment of DNAPLs.

[Table 4-2](#): A technology compatibility matrix for PRBs with other remediation technologies.

## [Mining Waste \(MW-1\)](#)

### [Technology overview: Permeable Reactive Barrier Systems](#)

A broad overview of PRB systems and their use in treating mining waste affected sites.

## [Permeable Reactive Barriers \(PRB-4\)](#)

This document is a broad overview of PRBs and their design, use, performance assessment, and regulatory considerations.

[Section 2.1](#): Review of treatment processes that are facilitated by PRBs.

[Section 4.1](#): Describes the considerations needed for effectual PRB design.

## [Permeable Reactive Barriers \(PRB-5\)](#)

Report of a technology update for prior PRB documents.

[Section 1.4](#): Describes the best use of PRB in tandem with other treatment technologies.

[Section 4](#): Describes reactive media used in PRBs and the treatment processes they facilitate.

[Section 5](#): Design of PRBs and the site characteristics that influence PRB design.

[Section 5.4](#): Use of groundwater, VOC reaction kinetics, and geochemical modeling in PRB design.

[Section 7](#): Performance monitoring design and assessment of PRB

efficacy.