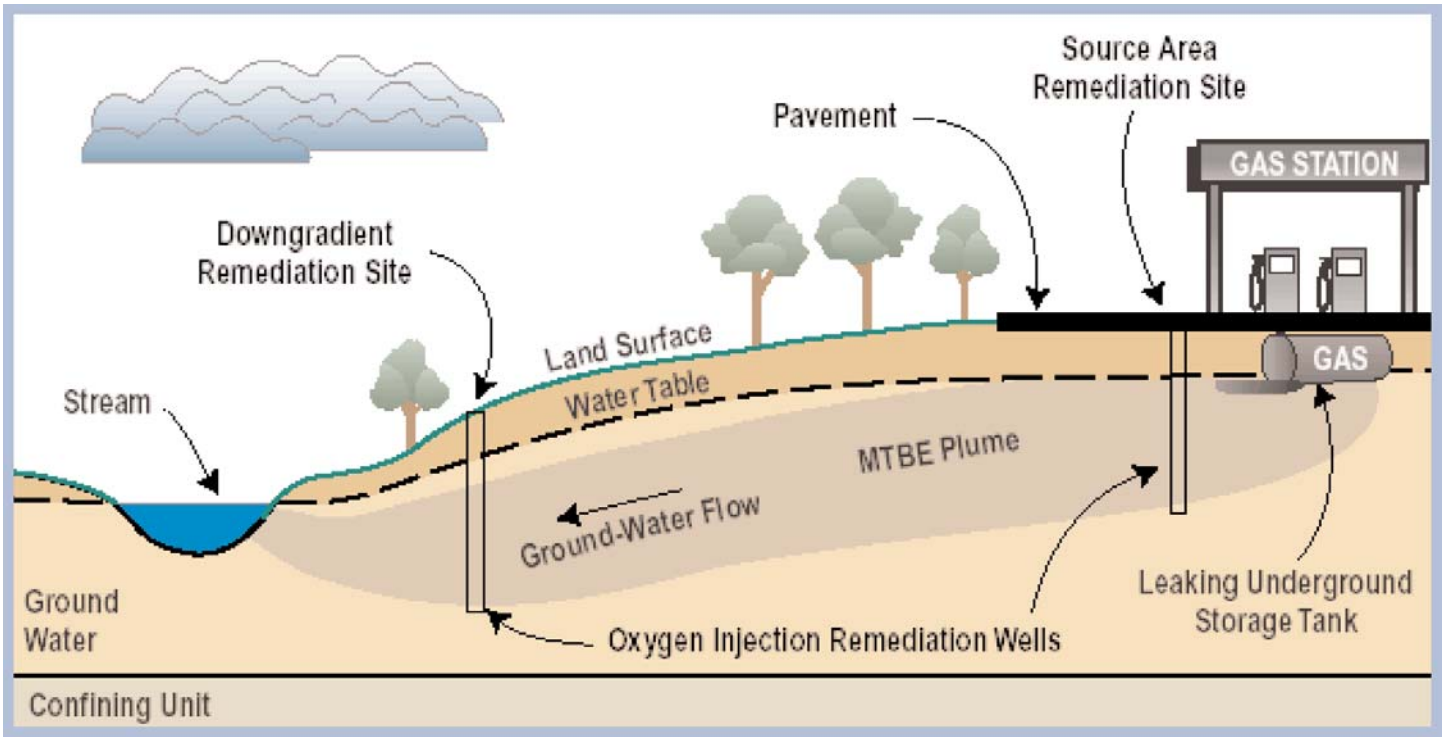
In-Situ Oxygen Enriched Remediation



Mτ-BE (Methyl Tertiary Butyl Ether) Mineralization in Surface-Water Sediment

In-situ Bioremediation is a technique for removing biodegradable contaminates from groundwater (EPA-510-F-93-018) that relies on microbes and supplemental oxygen to breakdown organic compounds into non-toxic components.

Oxygen enriched soil and groundwater remediation:

- Is the safest, most effective and economical biochemical transport method
- Is up to 16 times as effective as anaerobic digesters
- Operates without toxic chemicals or ozone
- Effective on proteins, carbohydrates, fats, oils, petro-chemicals, solvents, pharmaceutical, small and large molecules, solids and liquids
- Minimizes formation oxides of nitrogen
- Reduces oxygen sag and BOD in receiving streams

$$\text{Organic Waste} + O_2\ (\text{D.O.}) \xrightarrow{\text{Seed Microbes}} CO_2 + H_2O$$

Waste treatment design parameters must be developed for remediation operations. Laboratory studies and small pilots with specific wastes may be part of the design process.

Contact us for a detailed description of sparger systems and allied processes.

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