

ISCO

Description/Application

The technique of ISCO (In Situ Chemical Oxidation) describes the insertion of oxidants into soil or groundwater thru injection wells. Goal is the elimination of local contamination sources by chemical oxidation. Hydrogen peroxide and potassium permanganate are mostly used as oxidants.

Delta Umwelt-Technik GmbH favours the application of hydrogen peroxide as oxidant. Hydrogen peroxide was used for an ISCO application concerning a VOC contamination in the Project EOW Weimar. Following figure shows the VOC concentration decrease.



Development of the VOC concentration during ISCO (oxidant: hydrogen peroxide)

