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the U.S. EPA and Industry; 3.2 Chemicals Used; 3.3 Safe Handling and Emergency Response to Spills and Fires; 3.4 Storage Tanks; 3.5 Risk Management; 3.6 Establishing a Spill Prevention, Control and Countermeasures Plan; 3.6.1 Roles and Responsibilities; 3.6.2 Standard Procedures for Any Spill; 3.6.3 Training; 4 Water Quality Standards and Wastewater; 4.1 Overview; 4.2 Water Quality Criteria, Standards, Parameters, and Limits; 4.3 Wastewater Characterization; 4.4 Wastewater Management Alternatives; 4.5 Water Treatment Technologies

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Sommario/riassunto

Hydraulic fracturing, commonly referred to as "fracking," is a technique used by the oil and gas industry to mine hydrocarbons trapped deep beneath the Earth's surface. The principles underlying the technology are not new. Fracking was first applied at the commercial level in the United States as early as 1947, and over the decades it has been applied in various countries including Canada, the UK, and Russia. The author worked with engineering teams as early as the mid-1970s in evaluating ways to improve oil recovery from this practice. By and large fracking was not an economically competitive pro
