



## Colorado School of Mines Office for Technology Transfer

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### **Method and Compositions for Treatment of Subsurface Contaminants**

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**Description:** This invention describes compositions and methods for oxidizing subsurface contaminants. Compositions include compatible combinations of surfactants, cosolvents and chemical oxidants. Compositions have been identified that provide compatible combinations of surfactants and chemical oxidants that maximize oxidant productivity on solubilized contaminants. The compositions and methods are especially effective on the treatment of dense non-aqueous phase liquids (DNAPLs).

#### **Potential Areas of Application**

- Water purification
- Clean up of industrial spills
- Pre-treatment for water filtration

#### **Main Advantages of this Invention**

- More effective than pump and treat methods
- Can be used for contaminants both denser and lighter than water
- Is a one-step process

**Intellectual Property Status:** One patent granted; one pending

**ID number:** US Patent 7,553,105  
US Patent application 12/483,965

**Opportunity:** We are seeking an exclusive or non-exclusive licensee for marketing, manufacturing, and sale of this technology.

#### **Contact**

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