

COGAC™

After over 10 years of bench scale testing, in combination with the injection of over 15 million gallons of all available remedial materials, Remington Technologies developed a combination ISCO/Bio-Stimulation product with broad applications. The material, **COGAC™ (Chemically Oxygenated Granular Activated Carbon)** utilizes an initial ISCO event followed by a smooth transition to biological stimulation of the indigenous microbes present in the subsurface as a result of the presence of the chemicals of concern (COCs). The material was patented in 2013 and since that time over 3 million pounds of the material as been injected as an ultra-fine powder or mixed into excavation backfill material in the smear zone. The individual components are mixed at various ratios to match the groundwater pH and the COC at a wide range of subsurface conditions. The material has been proven to be effective on:

- **BTEX**
- **TPH-GRO**
- **TPH-DRO**
- **Chlorinated Compounds**
- **Condensate**
- **Crude Oil**
- **PAH**

The material has proven to be highly synergistic with traditional remedial technologies including:

- **Soil Vapor Extraction/Air Sparge (SVE/AS)**
- **Dual Phase Extraction (DPE) mobile and system**
- **Permeable Reaction Barrier (PRB)**
- **Interception Trench**
- **Plume Migration Control**
- **Excavation Backfill (Residual GW Treatment)**
- **Passive Injection Systems**
- **Horizontal Injection Wells**

