

# Colorado Division of Oil and Public Safety, Remediation Section

## And

### CGRS, Inc.

Will begin an in-situ chemical oxidation (ISCO) project in the Town of Minturn on July 29, 2013.

#### Project Background:

A leak in the buried piping system serving the gasoline dispensers at the Shop and Hop C-store located at 401 Main Street was discovered on June 30, 2008. An unknown quantity of gasoline penetrated the underlying soils and has contaminated the groundwater in a plume that extends from the release area at the Shop and Hop, north for a distance of over 450 feet.

CGRS, Inc. (CGRS) is under contract with the Colorado Division of Oil and Public Safety (OPS) to perform cleanup measures for the contamination.

#### Contamination Cleanup:

Based on results of pilot testing performed during February of this year, in-situ chemical oxidation (ISCO) may provide the most unobtrusive method to clean up the contamination with the least disruption to property and business owners in the area.

ISCO is an environmental remediation method that converts contaminants (in this case, gasoline) into non-toxic byproducts (e.g. water, carbon dioxide, sodium, and sulfate ions). ISCO will be performed by injecting a chemical oxidizer directly into the contaminated media (soil or groundwater) to destroy the gasoline contamination in place. CGRS has received authorization from the United States Department of Environmental Quality (EPA) to perform the injections.

The oxidizer will be injected into the contaminated groundwater through the injection points or wells that were installed in Main Street, Norman Avenue and on the Shop and Hop property earlier this month.

ISCO is an attractive remediation strategy for the site because it does not require major disturbances to existing surface and subsurface improvements. The installation of a conventional cleanup system would result in Main Street from south of Harrison Avenue through Norman Avenue to be "torn up" for anywhere from six weeks to two months and would result in severe impacts to business and property owners in that area.

Unfortunately, the injections *will* require that parking on Main Street be limited to the side opposite from where the injections are taking place. However, the injections *will not* require a "lane shift" and traffic will otherwise flow normally. We hope to complete the injections by the end of the day on Friday, August 1, 2013.

#### Questions?

Please contact Roger Sterling, P.E., Project Manager for CGRS at 800-288-2657 with questions or concerns about the project.

Thank you for your patience during this project and we apologize for any inconvenience that the injections may cause.