Safe, effective remediation solutions for organic contamination, including VOCs, SVOCs and hydrocarbons, using patented and proprietary RPS Technology.

Dealing with contaminated soil and the remediation issues associated with brownfield clean-up, commercial development and accidental spills, or other environmental damage, is a significant and costly challenge.

Welcome to RPS Environmental Solutions—and to Solterra™, our remediation division. Our Remedia™ line of products from Solterra™ gives you the power of breakthrough technology to safely and effectively meet your remediation needs.

WHO IS RPS ENVIRONMENTAL SOLUTIONS?

RPS Environmental Solutions is an environmental technology company offering safe, effective and sustainable cleaning and remediation products and services for industrial, commercial and residential customers. For commercial and industrial remediation customers, our patented and proprietary technology and products irreversibly remediate hydrocarbon and toxic heavy metal contamination in water, soil and other media. We provide faster, safer, more effective in situ or ex situ remediation technology.

WHO IS SOLTERRA™?

RPS serves commercial and industrial remediation customers through our remediation company, Solterra™. You’ll find patented and proprietary RPS Technology in the exclusive line of Solterra™ Remedia™ products for remediation and odor elimination.

ENGINEERED TO BE GREEN

Our products are recognized for safer chemistry for people and the environment by the EPA’s Design for the Environment (DfE) program. They have zero volatile organic compounds (VOCs), contain no harsh chemicals, are rapidly biodegradable and allergen-free and are not hazardous.

EFFECTIVE ORGANICS REMEDIATION

With RPS Technology, Remedia™ products by Solterra™ help you eliminate contamination risk related to organics such as VOCs, SVOCs and hydrocarbons, including dealing with PERC. Remedia™ products can be used alone or in combination with other technologies.
IT WORKS

RPS recently tested soil from a hazardous waste company, which was contaminated with organic solvents. The main concern in testing was for reduction of Hexachlorobutadiene, which was reduced from 283 ppm to less than 0.5 ppm with one treatment (well below the regulatory limit of 5.6 ppm). The time for this reduction was three weeks. Other contaminants were found in the sample and were also quantified as part of the testing. The control (untreated) sample contained Perchloroethylene (PCE) and some of the degradation products of PCE (Trichloroethylene, Trichloroethane, and several isomers of these compounds).

![Hexachlorobutadiene Reduction](image)

Below are results of testing completed as of April 29, 2011 on the above mentioned waste solids with values expressed in micrograms per Kilogram:

<table>
<thead>
<tr>
<th>CONTAMINANT</th>
<th>ONE TREATMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perchloroethylene</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>1,1,2,2 Tetrachloroethane</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>1,1,2 Tetrachloroethane</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>1,1,2 Trichloroethane</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>1,2 Dichloroethane</td>
<td>&lt; 100</td>
</tr>
</tbody>
</table>

These tests were conducted by Trace Analysis, Inc. which is a certified (NELAP) environmental laboratory. The analyses were done approximately three weeks after treatment.

Perchloroethylene (PCE) and its direct degradation products are toxic. All are either suspected or known human carcinogens. PCE is known as a “Dense, Non-Aqueous Phase Liquid” (DNAPL) when found as a soil contaminant. Highly mobile, it is heavier than water (density is > 1.6), which makes it of more concern and harder to treat than oil contaminants in soil; oil is lighter than water and does not progress to underwater aquifers as quickly as PCE.

RPS Technology provides for a rapid breakdown of PCE, beginning with the neutralization of the chlorines almost instantly upon contact.

RPS Technology provides for rapid remediation of PCE in a fraction of the time needed for microbes to act.

THE SMARTEST ALTERNATIVE

Remedia™ products offer a fast in situ or ex situ solution that is safe, cost efficient and extremely effective. When you can remediate in situ, you can eliminate the costs of excavating and transporting toxic waste. Other in situ methods, including soil vapor extraction, air sparging and groundwater extraction are all very expensive and significantly less eco-friendly. Using our products ex situ at a landfill is also a smart choice. It remediates significantly faster than microbial treatments and allows you to better utilize landfill space and resources.

PROVEN EFFECTIVE

Remedia™ products from Solterra™ use patented and proprietary RPS Technology to clean in a way other products simply can’t. They have been proven effective in independent testing.

A RANGE OF SOLUTIONS

In addition to treatment solutions for organic contamination, RPS offers a range of products and technologies to help commercial and industrial remediation customers, including heavy metal stabilization (in situ or ex situ, irreversible metals remediation), odor elimination and general cleaning products.

GET IN TOUCH TODAY

To discuss how we can address your remediation needs, call Remedia International, Inc. now at 1-844-329-1400 or visit remedia.global, rpsenvironmental.com or solterragroup.com today.