

REACTIVE ZERO VALENT IRON (“rZVI”) and REACTIVE IRON POWDERS

RemQuest is both a product manufacturer and a product sourcing company for environmental remediation marketplace. We provide both ZVI and iron powders at competitive prices.

Zero Valent Iron (ZVI) has played a huge role with the *in-situ* market for the last 50 years.

There is one major misconception about traditional ZVI that can doom your project:

“All ZVI is the same, generic product. Buy the cheapest you can find.”

Most low priced, commodity iron media is produced from re-ground scrap metal, cast iron, and other re-cycled products. Often suppliers do not consider the end-use of their recycled scrap. The potential result – contaminated iron of a poor quality and low reactivity. Low cost...yes, but low performance specs.

Common, low priced ZVI may result in clogged PRBs, longer remediation times, higher recharge/replacement costs, new contaminants introduced to the site, and even failed projects. Is it possible to purchase higher quality, more reactive ZVI at commodity prices? YES!



RemQuest's **rZVI** is a U.S. sourced, QA/QC inspected, reactive iron with smaller particle size and larger surface area (meaning higher reactivity).

This increased reactivity, compared to other ZVI iron, is due to a unique manufacturing process that enhances the reactive surface area of the particles. This manufacturing process also allows us to create custom blends for your specific PRB project needs. Our supplier has outstanding quality systems (TS 16949, ISO 14000, OHSAD 18000, and NSF 61 certified). **rZVI** can be used for:

- **Soil Injection**
 - In Situ Chemical Reduction (ISCR): ZVI with carbon source
 - In-Situ Chemical Oxidation (ISCO): ZVI with oxidant
- **Permeable Reactive Barriers (PRB)**
- **Soil Mixing**

Can we provide you a better ZVI product at a competitive price? Get a second bid by calling: Wade Tucker, Executive Director of Business Innovations at 770-313-1270, for a competitive price quote.

REACTIVE IRON POWDER

Reactive iron powders are micron, and sub-micron, powders used in emulsions and product blends. With some of the industry's highest purity blends, RemQuest can provide any custom blend to meet your project needs.