BOS 200+®

REMEDIATION PRODUCTS INC.

Primary Use

In Situ Petroleum Hydrocarbon Remediation

Treatment Mechanism

Trap & Treat® - Complete System Supporting Biological Degradation of Petroleum Hydrocarbons

Delivery Methods

RPI-Approved Direct Push or Packer Injection. Direct Application via Soil Mixing or Trenching

BOS 200+® Product Description

BOS 200+ is a patented Trap and Treat® in situ technology that expands the capabilities of the time-tested, field-proven BOS 200® treatment for petroleum hydrocarbons (PHCs). To trap contaminants, BOS 200+ utilizes the highest quality, agglomerated, virgin activated carbon. The activated carbon adsorbs hydrophobic contaminants like PHCs lowering aqueous phase contaminant concentrations immediately. To treat contaminants, BOS 200+ uses an expanded proprietary consortium of microbes and enhancements, including complex carbohydrates, amino acids, nutrients, and time-release terminal electron acceptors (TEAs). Before emplacement, the activated carbon base is pre-conditioned with the microbes and nutrients to initiate the formation of biological growth. Thus, BOS 200+ builds a rich, abundant assembly of hydrocarbon-degrading microorganisms that is robust and persistent even in the presence of LNAPL. The technology supports vigorous biodegradation of lube oils, crude oil, fuel oxygenates, alcohols, glycols, cyclic ethers, and similar contaminants. It is largely insensitive to groundwater geochemistry and performs in aerobic and anaerobic environments.

BOS 200+® Product Applications

BOS 200+ technology treats LNAPL source areas, mid-plume, and downgradient low-concentration areas, thereby protecting property boundaries and sensitive receptors. It may be installed by high-energy direct push technology (DPT) injection, soil mixing, trenching, or spraying into excavations. These proven techniques have been used in the field for over two decades. Specialized injection techniques are available through the RPI Group companies to address a variety of lithologic settings, including fractured bedrock, bedrock, and caliche. BOS 200+ has been successfully applied in the United States, Canada, Europe, and elsewhere around the globe. Case studies can be found on RPI's website at www.remediationproducts.com.

RPI Group

RPI Group is comprised of Remediation Products, Inc. (RPI) and associated remediation contractors that employ a three-pronged approach to ensure success:

- High-density soil and groundwater sampling to support the development of an accurate conceptual site model.
- Expert design based on collaborative review.
- Proven installation techniques to ensure optimal distribution of the BOS 200+ in the targeted subsurface.

The RPI Project Support Laboratory, located in Golden, CO, provides analytical support throughout the project at no charge to the client.

AST Environmental, Inc. (AST) is RPI's Distributor & Training Affiliate for all RPI Group installation contractors.

RPI AST RPI GROUP APPROVED INSTALLERS

RPI GROUP