# CBA ENVIRONMENTAL SERVICES

## *THE ULTIMATE IN PESTICIDE IMPACTED, RAPID LAND DEVELOPMENT…*

CBA Environmental Services, Inc. owns and operates some of the worlds most state-of-the-art, cost efficient, In-Situ and Ex-Situ soil treatment technologies in the environmental marketplace. It is through these patented technologies that CBA has been able to effectively treat some of the worlds most challenging environmental issues. The MITU technology's ability to effectively mix and blend soils is a very integral part of its success.

The unique, patented design and positioning of the various teeth located on the mixing head facilitates optimal mixing conditions. What these unique positioning strategies dictate is a soil "crashing" effect in which soils collide with one another causing a more intense breakdown, thereby facilitating a more homogeneous mixture. The MITU-LVR is capable of blending and mixing soils in an In-Situ and Ex-Situ manner. The trenching head can blend soils 11 feet wide and 4 feet deep in a single pass.

On a recent pilot study for a project about to turn full-scale, CBA's MITU-LVR was deployed to a site with arsenic contamination to perform mixing activities to prove its effectiveness. One area in which the pilot study was conducted, it was determined that levels of arsenic contamination ranged from 6.06 mg/kg to 68.4 mg/kg. After a single pass in which CBA's MITU-LVR mixed soils at a depth of 3 feet, soil samples taken showed arsenic concentrations were reduced to a range of 13.3 mg/kg to 18.3 mg/kg. The average reduction for this area was 58% in a single pass.

Though the MITU-12 has primarily been used for the chemical oxidation and thermal treatment of soils, its technology is based on the same premise as that of the MITU-LVR. Similar treatment outcomes could be expected. The MITU-12 has the ability to mix soils up to 12 feet deep and 18 inches wide in a single pass.

CBA is currently pursuing projects with regards to soil mixing of agricultural sites contaminated with pesticides and its individual constituents. CBA's ability to mix soils effectively will prove it to be an industry leader in the field of soil blending. Due to the current push of land development for commercial and residential uses, it was pertinent that a rapid, cost-effective solution be developed. That solution is CBA's MITU technology. *"The Ultimate In Pesticide Impacted, Rapid Land Development…"*

CBA

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