

MILITARY BASE REVITALIZATION DUST FREE REMOVAL OF PCBs

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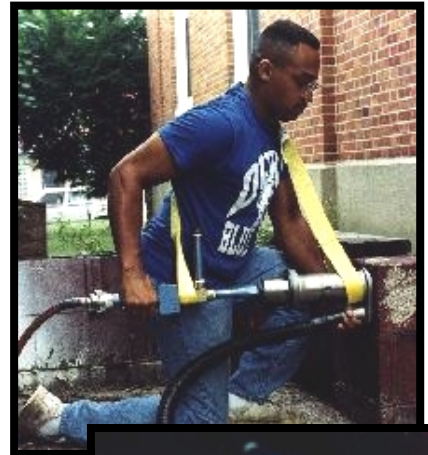
The U.S. Military's Base Realignment and Closure (BRAC) operation requires cleanup of a military base prior to turnover for an alternate use. The former Griffiss Air Force Base, near Rome, New York, now known as Griffiss Business and Technology Park was part of the 1993 Military Base Closure. The Park is now home to more than 17 companies leasing space in over 100 buildings.

As part of the cleanup effort, O'Rourke, Inc. of Owego, NY was contracted to decontaminate 300 square feet of PCB contaminated concrete building foundation. The foundation, which was formerly under grade, was contaminated when PCBs leached into the concrete foundation from the surrounding contaminated soil.

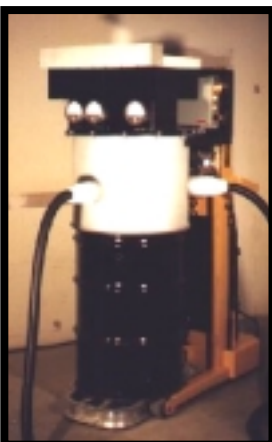
O'Rourke used Pentek's **VAC-PAC**[®] Model 9 HEPA vacuum & waste collection system, **SQUIRREL**[®]-I heavy-duty floor and wall scabblers and **CORNER-CUTTER**[®] needle gun to abrade 3/8" layer of concrete. Past studies have shown that physical removal of the affected concrete surface is the most direct approach to remediation.

The **SQUIRREL-I** is a single piston, air-driven scabblers with localized exhaust that safely removes PCBs, radioactivity, lead-based paints, chromium and other hazardous materials from flat concrete surfaces. This manually operated scabblers scarifies concrete floors and slabs in an environmentally safe manner with a unique vacuum flow design that provides high efficiency control over dust, debris and airborne contamination. The **SQUIRREL-I** is able to handle hard epoxies or mastic coatings, combining the power of a sledgehammer with the advanced cleanliness provided by a vacuum attachment designed for radiological decontamination.

The **VAC-PAC** HEPA-filtered waste collection unit simultaneously captures dust and debris and transports the waste directly into an on-board 55-gallon drum. The **VAC-PAC** is equipped with engineering controls built into the system to insure that exposure to hazardous airborne particulates is minimized. These features include patented dustless drum changout procedures, safety interlocks, visual and audible full drum alarms and onboard gauges that allow the operator to monitor performance during operation.



SQUIRREL-I Bit



Per Tim O'Rourke, CIH, "health and safety monitoring of the work area and perimeter indicated no airborne emissions." Pentek's system allows workers to operate the tools safely without the burden of respiratory gear, which studies show can slow production, accelerate fatigue and contribute to pulmonary health problems.

Pentek pioneered the use of dustless decontamination technology in nuclear power facilities in the early 1980's. Pentek's extensive experience in domestic and international hazardous surface remediation projects provided O'Rourke with the confidence that their decontamination efforts would be done in a safe and productive manner.

More detailed information can be obtained from Pentek's website at <http://www.pentekusa.com> or by calling Chris Futrick at 1-888-8PENTEK (1-888-873-6835).