*A Small Woman Owned Business*

# Nuclear Modifications & Decommissioning

### *Rocky Flats*

In 2003 Bluegrass became a part of a historical milestone, the closing of nuclear weapons site, Rocky Flats. In conjunction with Bartlett Services, Bluegrass provided dry decontamination equipment and services to decontaminate walls, floors and ceilings in the B371 & B374 D & D Project executed by Washington Group International.

*The Bluegrass wall shaver (shown above) and floor shaver (shown above right) was used in the Rocky Flats decontamination project.*

*"The personnel were very familiar with the operation of this equipment and were also able to maintain a good spare parts inventory to keep down time at a minimum. Bluegrass shavers worked well on a multitude of surfaces and provided good contamination control."*

Rolf Amundson
Washington Group International

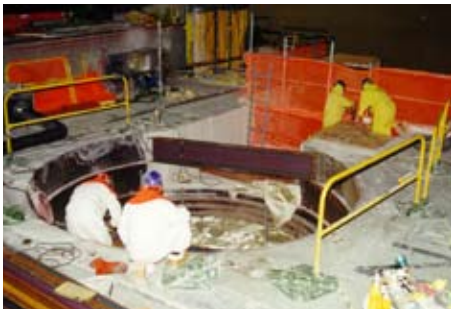
*Above: The reactor head at Rancho Seco after being cut in half.*

### *Ranco Seco*

After the success at SONGS, Bluegrass's wire saw technicians took on a project to segment the Rancho Seco Reactor Head in California. Our technicians and technique saved Sacramento Municipal Utility District (SMUD) time and money.

*"Diamond wire saw technology that was used to segment the Rancho Seco reactor head proved to be cost-effective for labor, packaging, transport, and disposal."*

Michael Snyder
Rancho Seco Decommissioning Project



### *Big Rock*

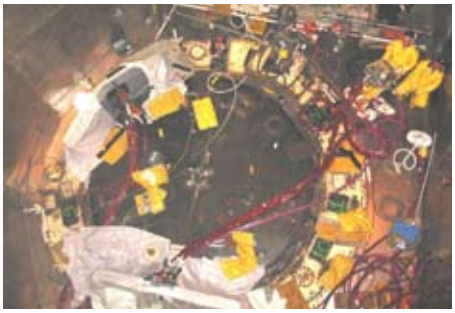
At Big Rock, Bluegrass assists in taking a former operating nuclear plant down to green field. This was accomplished using four diamond wire saws to cut the massive reinforced concrete bio-shield which surrounded the reactor into 75 pieces sized for burial.

*Right: Bluegrass workers are preparing to cut out highly activated bio-shield concrete. Far Right: One of the 75 concrete bio-shield pieces is being rigged out of position.*

### *San Onofre Nuclear Generating Station (SONGS)*

In 2003, our technicians used our diamond wire saws to cut the nozzles from the SONGS reactor allowing Bechtel engineers to extract the bullet-shaped vessel from deep within a steel and concrete structure. Operating remotely, to minimize radiation exposure, we use carbon dioxide snow instead of water to cool the wire and clean the cuts while minimizing contaminated waste.

*Below: Overview of the reactor cavity floor where nozzle cutting was accomplished under tight working conditions.*



*Below: Nozzle cut after completion. The nozzle measured 53" in diameter and had a 12" thick carbon wall with 1/2" thick stainless cladding. The cut surface is left smooth and flat.*