

PRESS RELEASE

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FOR IMMEDIATE RELEASE

MOTA Completes the CVNPA Parr Reactor Facility Component Removal

West Columbia, SC – MOTA Corporation (MOTA) has successfully completed the segmentation, removal, and packaging of the reactor components and associated material and systems at the Carolinas-Virginia Nuclear Power Associates (CVNPA) Parr Reactor Facility located in Jenkinsville, South Carolina. The project duration was approximately 14 months and utilized MOTA's well-proven custom designed mechanical segmentation tooling.

The project scope included identifying and developing the appropriate cutting/removal methodologies and tooling for the moderator tank (MT), cavity liner, shielding aggregate, and associated piping and systems. A key area that MOTA successfully implemented was the removal of the eight vertical thermal shields (TS) through the restricted cavity opening. The cavity had restricted access due to the design of the operating floor above the TS. MOTA's approach eliminated the need for the operating floor to be removed prior to TS removal thus reducing the schedule by one month and providing a significant cost saving on the project.

Tooling used for the project incorporated versions of previously deployed MOTA tooling including:

38i This third generation tool included a tower that clamped to the inside of the MT and was used to cut the bottom head and sidewalls using a 38-inch 120-tooth carbide tipped saw blade. The 38i was also used to segment through the double walled weir region of the MT with a total cut thickness in excess of 13 inches.

C-HORCE This was also a third generation tool modified with a circular frame capable of deploying an endmill cutter along a 375-degree polar axis as well as a slot cutting blade about the frame's perimeter. The C-HORCE was used to segment the distributor plate and remove the bolts that fastened it to the tank bottom using a standard endmill. Refitted with an alternate cutting head, the C-HORCE was used to cut through the wall of the MT at four different elevations.

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Completion of CVNPA Parr Project (continued)

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Pipe Cutter The Pipe Cutter was used to remove the MT piping that included two 8-inch overflow pipes, a 6-inch inlet line, and four 6-inch overflow pipes. The pipe cutter included a pneumatic clamping fixture that fed a customized reciprocating hacksaw through the schedule 40 stainless steel pipes without removal from the bioshield cavity.

Other special equipment included a shielded personnel bridge and a remote rigging device that was used to remotely remove the previously mentioned eight steel TS each weighing approximately 29,000 pounds.

In total, the components contained over 1,000 curies of activity and had contact dose rates in excess of 90 R/hr. Segmentation was completed in December 2006 with no spread of contamination, minimal generation of secondary waste, and an estimated exposure total of 12 person rem achieved.

MOTA Corporation is a Service-Disabled Veteran-Owned Small Business specializing in the decontamination and decommissioning of nuclear reactors, hot cells, laboratories, as well as environmental remediation. For more information, please contact Steve Garner, Vice President, Business Development, or visit www.motacorp.com.

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