



SUPPLIES



1. Pipe cleaned and taped, ready for install. Gaskets set in place.



3. EM (end milling) machine in place making slot across the pipe.



5. Bonnet mounted to the valve.

For all pipeline, valve and fittings contact R2M Ltd on 01282 778030.

Delays prevented on a multi-million-pound project.

R2M Ltd & R2M Site Services Ltd partnered, to supply and install a live valve at Europe's largest nuclear site in Cumbria. A new multi-million-pound project was in danger of shut-offs, costing thousands of pounds, however the supply of the EZ Valve by R2M Ltd & the installation by R2M Site Services Ltd, ensured the water remained on, and the project could continue without any additional and costly hold ups.

The new SIXEP Continuity Plant (SCP) at Sellafield Ltd, will clean contaminated water so it can be released back into the sea.

As construction of the plant progressed, an existing section of the Sellafield Site Raw Water pipework feeding hydrants, adjacent to SIXEP and the new SCP project, needed to be redirected to allow ground works for the SCP project to be completed. The in-situ valves on the pipes were either seized or were not able to close due to the tuberculation in the pipes and a new valve was required.

Historically, valves could only be installed on this type of site, if the water was shut-off, however to maintain a safe environment, turning the water off was not a desirable option. Therefore R2M Ltd supplied the EZ Valve, after having trial installations, (undertaken by R2M Site Services Ltd in July) with outstanding results. The live valve includes an integrated isolation gate, when operated after a slot has been milled across the pipe, allows the cutting machine to be removed and the resilient wedge to be installed, whilst keeping the water flowing on the said pipe.

Project engineer Nick Hone said, "The installation was started at 11am and finished by 4pm the same day, with no effect on any other part on the site. What's more we now feel this approach could be a genuine game changer for the rest of the site, as these valves could be used not just for water, but on pipes carrying chemicals, air and gas as well. I know we're already getting some interest from the utilities providers on site. And for us on SCP it has meant we've sped up the pipe work, meaning we can get on with the ground works needed for the project."

Operations Director, Paul Rodgers of R2M Ltd stated, "We were delighted to have been able to supply such an effective solution, which ensured the project at Sellafield remained on track. In terms of the EZ Valves capabilities, the product really does speak for itself. There is no doubt that the products we supply will help our customers to reduce time and cost; two very important factors within any industry."

[Live Valve Insertion Installation Video](#)



INSTALLS



2. Valve body mounted on pipe.



4. EM (end milling) machine removed and bonnet ready to be mounted.



6. Completed EZ Valve in place, full installation by R2M Site Services Ltd.

For all installation services contact R2M Site Services Ltd on 0800 048 7611