



UNDERWATER
CONSTRUCTION CORPORATION



Nuclear Diving vs ROVs ROI Case Study

www.uccdive.com

Case Study Comparison – ROV and Nuclear Diving

Japanese BWR Refueling Outage #5 – ROV Services

1. De-sludge – 24 Days
2. Coating Inspection – 19 Days
3. Total – 43 Days
4. Total ROV Team Radiation Dose - 72.8mSv

Japanese BWR Refueling Outage #9 – Nuclear Diver Services

1. De-sludge – 6 Days
2. Coating Inspection – 3 Days
3. Total 9 Days
4. Total Dive Team Radiation Dose - 32.5mSv

The above comparison was the same nuclear plant with the same work scope

During the ROV Services outage #5 there was no capability for repairs should as found conditions require further work

The project utilizing nuclear divers was completed in only 21% of the time it took for the ROV / Remote Tooling outage



EXPERIENCE MATTERS

Nuclear Diving Benefits

- UCC Nuclear Divers have performed safe and vital maintenance & repair functions for 47 years
- Use of experienced nuclear divers reduces dose, schedule, & cost, while enhancing project safety
- Divers support Decommissioning & Dismantlement (D&D) for commercial nuclear facilities
- Diving has long been one of the best underwater options in the nuclear industry
- Reduced Radiation Exposure
- Reduced health & safety risk
- No drain-down or scaffolding required
- Divers can perform more efficiently in a hands-on fashion
- Shorter Schedule
- Typically Fewer Personnel
- Lower Cost
- Eliminate or reduce need for complicated & expensive remote tooling

