

	<h2>Technical Inspection of South Uist, North Region</h2>
<h3>Operations Activity on Distribution System</h3>	
Location:	South Uist
Quality of Water	
	Is work being undertaken in a way that avoids a deterioration in water quality?
	Are approved products and processes being used?
	Is this evidenced by clear sample results / chlorine residuals / visual appearance?
	All approved products. Sample results all satisfactory (lab results and pressure tests).
Asset Robustness	
	Is work being undertaken by SW employees or Contractor?
	Any issues / risks with work site? Have these been mitigated adequately?
	Does the main have adequate points to enable flushing and disinfection to take place?
	Is the depth of excavation appropriate?
	Is adequate de-watering equipment available and used?
	Is all equipment appropriate to the task?
	Are staffing levels adequate? <i>(check training and blue cards)</i>
	Is the method of repair appropriate to the situation?
	Are hygiene standards in van acceptable? (tidy / storage of fuel / clothing / handwashing / fittings bagged / pipe off floor)
	Are equipment and fittings being stored correctly on site?
	Is there an off-site storage area? Is it appropriately located? Any risks? Tidy? Fittings & chemicals stored correctly?
CWA managing AC mains replacement project, with input from SW (for sampling and liaising with SW) and local contractors. Well organised. All staff trained with EUSR hygiene cards.	
Operational Practices	
	Effort being made to keep tools and equipment clean?
	Chlorous spray available, made up correctly (1000mg/l or 250mg/l) and used?
	Is suitable (calibrated) equipment available and used to measure chlorine?
	Is main repaired under pressure? (should aim for this if at all possible)
	Is the depth of excavation appropriate?
	Is adequate de-watering equipment available and used?
	Is all equipment appropriate to the task?
	Effort made to keep dirty water out of pipe?
	End caps (or other protection) used on pipe ends
	Has appropriate disinfection taken place? (Check Cl and time being measured and recorded, flushed appropriately)
	Has flushing taken place to remove any air?
	Are burst repair samples taken as appropriate? (DOMS)
	Is sampling undertaken appropriately? (correct bottles, locations, training)
	Excellent practices noted throughout. Local depot well organised with all pipes bagged and all fittings clean and stored off the floor in a tidy manner. Welfare box in van for hygiene requirements (water, hand sanitiser, paper towels). Chlorous spray made up daily to correct strength.
Management of Risk	
	Has a risk assessment been done and is it available on site?
	Is it clear who may operate valves and which valves are to be operated?
	Are staff aware of risks to water quality and their role in managing these? (DOMS & Hygiene, valve operation, Flushing)
	Is the choice of method appropriate to the risks involved?
	Are measures taken to protect consumers (eg from drinking from depressurised main or high chlorine concentrations)
	Are boil notices used and issued appropriately?
	Who reviews sample data from mains repairs?
Clear responsibilities and demonstration of excellent project management throughout.	

Recording Information

Are DOMS procedures available to site staff?
What work detail/customer information is available to squad/NSO in work pack?
Are on-site water quality checks (Cl, T&O, pH) being recorded and stored appropriately?
Are disinfection residuals and times recorded?
Is sample paperwork in order? (ensure sample locations are clearly documented)
If Carella used, has it been authorised by Scottish Water and are appropriate measurements being made?
Is information on mains material recorded and checked against GIS?
All documentation in place and accessible.

Water Safety Plan *Have appropriate risks been identified? Has appropriate progress been made to deliver interventions?*

Ref.	Potential Risk	Identified Intervention	Progress with intervention	% actions complete

	Comments
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Recommendations

5.01	
5.02	
5.03	
5.04	
5.05	