



Moray Outfall Repair - Method Statement

SITES & SERVICES



SITE & LOCATION	Moray Coast Network	REFERENCE	
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This method statement has been prepared for persons carrying out the work detailed below and should be read in conjunction with a suitable and sufficient written risk assessment.

Those carrying out the work must read, understand, and work to the approved Safe Systems of Work including the wearing of any personal protective equipment, following local site rules and the implementation of any Permits for Work.

JOB / TASK DESCRIPTION	
Concrete repair work to existing sea outfalls at various locations on the Moray coast between Burghead and Macduff. This will include cutting back areas of damaged or eroded concrete, repairs to pipework, installation of resin anchors, shuttering and pouring concrete and installing rip rap/rock armor.	
SAFE SYSTEM OF WORK – PERMIT TO WORK	
Permit required Y/N	CDM Regs apply.
Site Management	Daily briefing for start of each shift
Site Management	Ensure that work is carried out as per RAMS

PERSONAL PROTECTIVE EQUIPMENT	
PPE	PPE
Safety Helmet	Ear Protection
Safety Boots or wellingtons	Flame Retardant Coveralls
Hi-Visibility vest/jacket	Dust Mask
Gloves	Hi-Visibility Trousers
PVM vest	Inflatable Life Jacket
Eye Protection	

Hazards	
Plant / people interface	
Loading / unloading materials	
Refueling	
Operation of plant	
Excavation works	
Drowning	

Environmental Requirements / Special Precautions	
Eliminate unnecessary waste	
Reduce amount of waste created on site	
Reuse materials as far as possible	
Recycle materials wherever possible	
In the event of a spill - Stop, Contain and Notify	
Works to be carried out in accordance with the Marine Mama Code	

Risk Assessments / COSHH Assessments	
As per the contractors Safety File	



PLANT AND EQUIPMENT (All equipment must carry an 'in date' inspection where applicable)	
Plant	Description
Mobile Welfare Unit	
Lighting Tower	
Mobile Fuel Cell	Bunded and visiting site only
Pedestrian Barriers / Heras fencing	
RD 8000 Service Locator	
3 / 8 t Excavator	
9 t Dumper	
Tilt Drum concrete mixer	
110 v generator	
Concrete vibrator	
Small plant and hand tools	

All plant and equipment must be inspected before use. Where certificates are applicable these must be within date and be available for scrutiny.

SPECIALIST COMPETENCE REQUIRED	
Individual & / or Company Name	Requirement / Experience / Qualification etc.
Supervisor	5 Day SMSTS
General Operator	CSCS level
Plant Operator	CPCS or NPORS
Each Squad	3 Day / Emergency First Aider

JOB / TASK SEQUENCE

Task Sequence

- Site establishment
- Access ramp installation to gain access to the shore
- Construction of shuttering and form work
- Remove marine growth and prepare surface to be repaired
- Excavate section of outfall pipe to be repaired.
- Drill and install resin anchors and steel reinforcing mesh as required
- Install shuttering/formwork
- Cast concrete to match existing profile
- Remove shuttering/formwork
- Remove access ramp
- De-mobilize site

Materials

- Clean fresh water
- Natcem 35, Natcem AC
- Washed building sand
- Concrete to Grade XS3 C25/30
- Stainless steel dowels (20mm dia) various lengths
- Resin Anchor (R-KEM-II)
- Steel reinforcing mesh
- Non-woven heavy duty geotextile
- 6F4 stone - locally sourced
- Rip-rap stone - sourced from local quarry - as per design



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- Temporary Materials
- Plywood and timber to form shuttering
- Pipe Repair Sections - various, including estimated weight
 - 600 mm Concrete - 1.2tonne/2.5M section
 - 150 mm Cast Iron - 22kg/M
 - 450 mm PVC - 35kg/M
 - 150 mm GRP to 800 mm GRP - 10kg/M to 66kg/M, depending on size
 - 300 mm Ductile Iron - 56kg/M
 - Viking Johnson repair flanges, 150 mm to 800 mm - 11kg to 437kg,
- Stainless Steel repair plate - 6mm - 47 kg/m², 10mm - 78 kg/m².
- Cast Iron Manhole cover - 30 to 50 kgs, depending on size.
- Tidal Flap Valve (HDPE) 150 to 800 mm - 6 to 70 kgs depending on size

PREPARED BY		
Print Name	Revision	Date
Iain Campbell	Rev 2	5th Feb 2025