



METHOD STATEMENT

Project Title: Veolia – Moray Outfalls – Shipyard Outfall

Type of Work or Operation: Repair works to outfall

Method Statement Number: MS002

Contract Number: 7531

Issue Number: 001

Author: D McCulloch

Scope of Works: -

Undertake concrete repairs to joints on existing concrete outfall

Personnel – All persons employed for this scheme of work are over 18 years of age and will inducted into the sites safe systems of work.

Role	No	Training Required
Site Supervisor	1	Bill Shannon - SMSTS/SSSTS, EUSR Water Hygiene Card, DOMS Training, CSCS Card & First Aid
Operative	1-3	Patrick Canning ; Jamie Grieve; Nicos Lambrou - EUSR Water Hygiene Card, DOMS Training, CSCS / CPCS Card
Site Coordinator	1	Gary Shannon - SMSTS/SSSTS, EUSR Water Hygiene Card, DOMS Training, CSCS Card & First Aid

Programme		
Planned duration	1 week	
Planned start	May 2021 - tbc	

Personal Protective Equipment (PPE) & Emergency Equipment – To conform to British & European standards			COP = Carry On Person		
Equipment	Status	Use with following operations	Equipment	Status	Use with following operations
Hard Hat	Mandatory		Safety Wellingtons	Optional	Task Specific
Overalls	Optional		Gloves	Mandatory	Suitable for the Activity
Lace up safety boots	Mandatory		Safety Glasses	Mandatory	
Hi Vis Jacket / Vest	Mandatory		Hearing protection	COP	Task Specific
Disposable PPE: Coveralls, nitrile gloves, masks	Task specific	Task specific where RA deems it is required	Life Jacket	Task Specific	Minimum buoyancy of 150 Newtons

Plant & Equipment –

Ground hog self-contained welfare unit, Herras safety fencing, 20ft storage container

Plant Nappy, 3KvA Generator, 110V 16A Cables, Pressure Washer. Breaker, Paddle Mixer, 5” Grinder, Diamond cutting disc, Mixing Tubs, Buckets, Measuring jug, Wire Brush, Hand tools



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Materials –

Clean Fresh water

Natcem 35 – estimated at 24 bags

Co-ordination with other Site Operations:

Existing Site Risks are to be included within Construction Phase Plan for the works and to be briefed at site induction. Ensure information is received regarding gas storage / Chemical Storage / Emergency procedures (i.e. chlorine, ozone or the like). Scottish Water / Veolia Access permits are to be gained / issued prior to works commencing.

All site roads and access doors on the works are to be kept clear at all times. Roads around the site are to be kept clear – park in designated areas.

Discussions at site induction with SW Operator to ensure we are aware of planned deliveries and other contractors on site.

Safe Systems of Work :-

This task can be undertaken and completed whilst maintaining 2m separation/social distancing, please refer to Stonbury COVID-19 site risk assessment.

Weather and Tidal Times

Prior to any works commencing, weather forecast and tidal times must be checked and recorded.

If the forecast indicates High winds/heavy rainfall/extreme cold/poor visibility (fog), this must be reported to the site supervisor/project manager for further assessment and guidance.

Tidal times must also be checked each day to indicate when low and high tides are expected.

Sufficient time must be factored into the work activities to ensure that all personnel, plant and materials can be safely taken to and removed from the work site.

If there is any concern regarding poor weather conditions, tidal times or access/egress times to the work site, do not proceed with the works and consult the Site Co-ordinator or Project Manager for further guidance.

Working Area

The working area will be restricted to the designated area of the ATC certificate which will be issued by Scottish Water to Veolia / Stonbury.

Site laydown area as agreed with Veolia and identified on location map.

Site access route to be as identified and agreed with Veolia. Any deviation due to local ground or site conditions to be notified to the Site Co-ordinator.

Parking

Parking is to be restricted to the designated site parking area. On access routes priority to local traffic and SW/Veolia employees will be given where required.

Plant to be parked / stored in designated area when not in use.



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Emergency Procedures:

First aid in site welfare

Follow emergency procedures identified in induction – SW shout

Main Risks:-

- Contact with other operatives
- Environmental – fuel spillage
- Vehicle movements
- Weather
- Live plant
- Slips, trips & falls – working on beach. Natural surfaces may be uneven / loose
- Working near water – sea. Be aware of tides.
- Working near waste water – follow all water hygiene rules
- Covid-19

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General notes:

- Report to site office for induction and issue of permits
- Follow all designated access routes
- Do not work outside of safety barriers
- All material deliveries to be controlled and banked by Stonbury, bulk stone deliveries to be delivered as close to working area as possible.
- Report to site office on completion of works & close off permits

COVID-19 Guidance, Precautions and Mitigation

All works are to be in conjunction and adhering to the guidance and risk assessments put in place by both Stonbury and Veolia. these shall include but not limited to the following requirements and will be updated to suit any further government guidelines;

- Site Covid-19 risk assessment for Stonbury to be reviewed before commencing works
- Single occupancy travel – separate vans
- Daily COVID-19 Symptom Questionnaire to be handed in on arrival to site
- Adherence to company 2 metre social distancing policy
- Staggered break times, where required due to canteen size.
- Personal FFP3 fully fitted face masks to be worn when required. Separate Close Working Risk Assessment will be required for working within 2m of each other
- Face shield to be used when required. Separate Close Working Risk Assessment will be required for working within 2m of each other
- Personal nitrile gloves and antibacterial gels
- No sharing of tools; any tools and equipment that are shared must be cleaned before and after use
- Distancing from other site operations whilst executing task to be maintained at all times if this is not possible, works must stop and be reviewed

Relevant drawings:

- 18890-H-DR-001-P1 Existing Details
- 18890-H-DR-002-P2 Proposed Repair Options Outfall Scour
- 18890-H-DR-003-P1 Layout Plans
- 18890-H-DR-004-P1 Layout Plans Proposed Rock Armour

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Safe System of Work –
Pre-start

1. Site welfare to be set up within agreed designated laydown area.
2. Herras fencing to be erected around laydown area.
3. Confirm & identify designated access route to work location.
4. All permits to be secured.
5. All Method Statements & Risk Assessments to be reviewed and signed on to.

Concrete repair works – methodology.

1. Point of Work Risk Assessment to be undertaken. (POWRA)
2. Visual inspection of concrete pipeline to be carried out. Any additional defects other than those previously noted to be identified and advised to the Site Co-ordinator.
3. Power-wash the outfall surface to remove vegetation & other contaminants.
4. Any defected areas of concrete identified will be hammer tested, marked and noted in repair schedule.
5. Defects will then be sawcut to a minimum depth of 10mm using a 5” grinder ensuring all edges are neat, tidy and square.
6. Breaker will then be used to remove the remaining spalling concrete ensuring a minimum depth of 10mm is left for repair.
7. Any steel present in repairs will be cleaned using a wire brush to ensure all loose and rusted metal is removed.
8. Repairs will then be cleaned out using clean water to ensure all dust and loose material is removed.
9. All arisings from the concrete breakout and cleaning will be removed from the beach to a skip for disposal off-site.
10. Area for repair will be saturated with clean water.
11. Natcem 35 will be mixed using a paddle mixer as per manufacturer’s instructions.
12. Material will then be hand placed into repair area ensuring it is well compacted.
13. A plastic float will then be used to finish repair ensuring a flat and even surface.
14. Any droppings from material will be lifted, bagged and removed to site waste.

On completion of the works

1. Confirm all works complete.
2. Completion photos to be taken.
3. Close out all permits.
4. Demobilise site.



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**20 Second Rule – Before starting a task look around your place of work and consider any potential risks. If any identified take immediate corrective action.
Don't take chances with the Health and Safety of you or others – Stick to the Method Statement.**