

Pollution Management and Mitigation Plan

Main Pipeline Works – Phase 1 (Bedhampton)

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1. Introduction

The Havant Thicket Reservoir Scheme was granted outline planning permission by Havant Borough Council and East Hampshire District Council in October 2021 (refs. APP/20/00990 and 51680/001 respectively). The applications were supported by an Environmental Statement (ES) (Havant Thicket Reservoir Project, Atkins, 2020) which reported the findings of the Scheme's Environmental Impact Assessment (EIA).

Subsequently, in September 2025, a new pipeline planning permission (ref. APP/24/00405) was granted by Havant Borough Council (HBC) for the development of new pipelines to transfer water between Bedhampton Springs and Havant Thicket Reservoir, a new plant at Bedhampton Pumping Station, modifications to the Bedhampton 2 operational building and permanent diversion of Footpath 34 at Bedhampton Pumping Station.

This new pipeline permission results from changes in the approach, pipeline route and design necessitating a new planning approval, and as a result a revised Environmental Statement (ES) was submitted which considered these changes.

To enable discharge of conditions against this permission, the work areas have been split into 10 phases, as per the Main Pipeline Works Phasing Plan (ref. HTR-WAB-PI-ZZ-PL-W-0006) submitted under APP/25/00796. This document relates to Phase 1 of these phases, which covers works at the Bedhampton Pumping Station site.

1.1 Purpose of the Document

This Pollution Management and Mitigation Plan has been developed by Future Water MJJV Ltd to undertake construction activities at Bedhampton Pumping Station, Meyrick Road, Bedhampton, Havant, Hampshire, PO9 1NN ('the Site').

This plan enables the Future Water Site team to recognise the potential pollutants that may be present during works and prevent them from contaminating the identified receptors. It serves to demonstrate that the risk to air, ground and controlled waters will be appropriately managed by Future Water and will be submitted to the Local Planning Authority (Havant Borough Council), as per Condition 20 of planning permission APP/24/00405.

Condition 20 of planning permission APP/24/00405 states:

Prior to each Phase of the development a suitable Pollution Management and Mitigation Plan shall be provided demonstrating that the risk to controlled waters will be appropriately managed. This should be submitted to, and approved in writing by, the Local Planning Authority.

Further details of the Site and proposed work are provided within the following documents, prepared to discharge separate conditions, these are as follows:

Condition 27	Noise & Vibration Monitoring	HTR-RHD-PS-BP-RP-Z-0003
Condition 32	Dust Control Method Statement	HTR-RHD-PS-BP-MS-Z-0001
Condition 33	Details of Works Areas/Compounds <i>(Site compound layout drawings are included as Appendix A and Appendix B of this document for information)</i>	HTR-FUW-ZZ-BP-PL-T-1586

2. Project Information

Project Name	Bedhampton Pumping Station
Client	Portsmouth Water
Principal Contractor	Future Water MJJV Ltd
Person Responsible for Pollution Management and Mitigation Plan	James Hanson
Role in the Project	Construction Manager
Site Address	Bedhampton Pumping Station, Meyrick Road, Havant

2.1 Key Environmental Personnel

Appropriate environmental training and support is available to all members of the Site/project team regarding pollution control, and the Future Water Health, Safety and Environment (HSE) team should be contacted for further advice on mitigation measures. The table below presents summary of environmental competencies within the Future Water HSE team.

Name	Role	Environmental Qualification
Jay Morahan	Health, Safety & Welfare Manager	SEATS
Terry Bellingham	Environmental Manager	SEATS, SMSTS, Spill Kit Training
Kim Tickner	Environmental Advisor	SEATS
Hayley Drane	Environmental Advisor	SEATS, Spill Kit training
Zak Harris	Health & Safety Advisor	SEATS, Spill Kit Training
Various	Plant Operative	Spill Kit Training

3. Pollutants

It is anticipated that the following substances utilised during Future Water's construction operations could have the potential to cause pollution on Site:

- Fuels (White Diesel, Petrol), Lubricating Oils, Hydraulic and Engine Oils;
- Paint (including spray paints) and Thinners;
- Detergents and Degreasers;
- Ad Blue; Other Chemicals;
- Freshly mixed concrete and Concrete Washout;
- Sediment (>0.06 mm);
- Silt and Fine Materials (<0.06 mm);
- Waste water from wheel washing;
- Contaminants, such as asbestos, existing on site within contaminated land and buildings;
- Emissions to the atmosphere of fumes and dust (silica, wood and lower toxicity);
- Noise (from construction operations); and
- Waste (including chemical toilet waste)
- Natural waste, such is INNS removed from site

3.1 Potential Receptors that may be affected by Pollution from this Site

Pollutant	Receptor, Name (if appropriate) and Location
Fuels (White Diesel, Petrol), Lubricating Oils, Hydraulic and Engine Oils	<ul style="list-style-type: none"> Persons, such as Future Water staff and nearby residents, such as those in properties on Kings Croft Lane, Doyle Close and Ranelagh Road in vicinity of spill, exposed to vapours (petrol/volatiles) and odours (diesel / oils). Persons using the Public Right of Way (which will be diverted during construction). Persons, such as contractors, within any confined spaces adjacent to storage or use locations. Watercourses such as the Hermitage Stream and sensitive aquatic habitats downstream, i.e., the Site is approximately 850 m upstream of the Langstone harbour Site of Special Scientific Interest (SSSI). Soils within the footprint of the Site. Groundwater. The Site is located on a Principal bedrock aquifer which is a regionally important Public Water Supply and classified as a Secondary A superficial drift aquifer. The Groundwater Vulnerability is listed as Medium – High¹.
Paint (including spray paints) and Thinners	
Detergents and Degreasers	
Ad Blue	
Other Chemicals	
Freshly mixed concrete and Concrete washout	
Sediment, Silt and Fine Materials	<ul style="list-style-type: none"> Risk that fine materials dry out and are mobilised as dust, affecting neighbouring residents such as those in properties on Kings Croft Lane, Doyle Close and Ranelagh Road and terrestrial habitats, such as the Coastal and Floodplain Grazing Mash adjacent to the Site. Persons using the Public Right of Way (which will be diverted during construction). Watercourses such as the Hermitage Stream and sensitive aquatic habitats downstream, i.e., the Site is approximately 850 m upstream of the Langstone harbour SSSI. Soils within the footprint of the Site. Groundwater. The Site is located on a Principal bedrock aquifer which is a regionally important Public Water Supply and classified as a Secondary A superficial drift aquifer. The Groundwater Vulnerability is listed as Medium – High.
Wastewater from vehicle wheel washing	<ul style="list-style-type: none"> Watercourses such as the Hermitage Stream and sensitive aquatic habitats downstream, i.e., the Site is approximately 850 m upstream of the Langstone harbour SSSI.
Emissions to the atmosphere of fumes and dust (silica, wood and lower toxicity)	<ul style="list-style-type: none"> Nuisance affecting neighbouring residents such as those in properties on Kings Croft Lane, Doyle Close and Ranelagh Road. Persons using the Public Right of Way (which will be diverted during construction). Terrestrial habitats, such as the Coastal and Floodplain Grazing Mash adjacent to the Site.
Noise (from construction operations)	<ul style="list-style-type: none"> Nuisance affecting neighbouring residents such as those in properties on Kings Croft Lane, Doyle Close and Ranelagh Road. Persons using the Public Right of Way (which will be diverted during construction). Wildlife such as Lapwing (<i>Vanellus vanellus</i>) and Redshank (<i>Tringa tetanus</i>), bat (e.g., <i>Pipistrellus pipistrellus</i>).
Light	

¹ Source: [Magic Map Application](#), accessed 02 October 2025.

Pollutant	Receptor, Name (if appropriate) and Location
Seeds and Spores from Invasive Species	<ul style="list-style-type: none"> Terrestrial habitats, such as the Coastal and Floodplain Grazing Marsh adjacent to the Site. Aquatic habitats such as the Hermitage Stream and Langstone harbour SSSI.
Waste	<ul style="list-style-type: none"> Odour nuisance affecting neighbouring residents such as those in properties on Kings Croft Lane, Doyle Close and Ranelagh Road. Persons using the Public Right of Way (which will be diverted during construction). Vermin nuisance affecting neighbouring residents. Leachate affecting the Hermitage Stream and underlying soils and groundwater on Site.

4. Pollution Prevention Measures

The following tables summarise the measures taken for each pollutant to prevent contaminating the receptors listed in **Section 3.1**.

Pollution prevention measures have been developed based current Environment Agency (EA) Pollution prevention Guidance² and NetRegs Guidance for Pollution Prevention (GPP) documents³, which although no longer endorsed by the EA still provide robust best practice guidance.

Under the Control of Substances Hazardous to Health (COSHH) Regulations, 2002 (as amended), assessments will be carried out on all substances which are intended for use on the project and all new substances brought onto site will be accompanied by a manufacturer's Material Safety Data Sheet (M.S.D.S.).

4.1 Fuels (White Diesel, Petrol), Lubricating Oils, Hydraulic and Engine Oils

Location	Site Operation	Prevention Measures
Whole Site	<ul style="list-style-type: none"> Refuelling plant Plant/Vehicle operation Plant maintenance 	<ul style="list-style-type: none"> All fuels will be stored within suitable containers in compliance with the Control of Pollution (Oil Storage) (England) Regulations 2001. Refuelling will be limited to fully bunded designated areas not within 10 m of a watercourse(s), drains or ditches or within 40 m of a borehole, spring or well Strategically positioned plant laydown area to be constructed, on hardstanding and not within 10 m of a watercourse, drains or ditches or within 40 m of a borehole, spring or well Operatives to be trained in refuelling procedures On Site transport of fuels/oils to be kept to a minimum Suitable methods for transporting fuels to be implemented, including; loading and unloading in dedicated locations using pre-arranged, risk assessed routes All 3rd Party fuel deliveries to site to be supervised by a trained member of Future Water staff Daily check undertaken of re-fuelling equipment Drainage systems to be protected before refuelling Weather conditions to be considered daily prior to travelling with fuel Plant nappies to be used under small plant during operation, when

² [Pollution prevention for businesses - GOV.UK](#)

³ [Guidance for Pollution Prevention \(GPP\) documents | NetRegs | Environmental guidance for your business in Northern Ireland & Scotland](#)

Location	Site Operation	Prevention Measures
		refuelling and when using fuel-certified bottles in the works area <ul style="list-style-type: none"> • Spill kits to be available in suitable locations (in all plant, at refuelling points, near major work areas, with spares available in COSHH store) • When working in or near water (i.e. within 10 m of a watercourse(s)), a specific risk assessment will be undertaken • Site team and fitters to be trained in the use and disposal of spill kits and pollution prevention. • Plant to be maintained in accordance with manufacturer's instructions and daily checks to be undertaken on the condition of hydraulic pipes and joints • All plant fitters will carry a large spill kit. All maintenance work with a potential to cause a fuel or oil spill to be notified to management prior to works being undertaken • Site monitoring undertaken and recorded • Site team and fitters to have completed Spill Kit Training • Suitable environmental toolbox talks to be given to all site staff

4.2 Paints (including spray paints) and Thinners

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> • Plant maintenance 	<ul style="list-style-type: none"> • The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily • All paints and thinners to remain in the bunded COSHH store when not in use or on a plant nappy or drip tray whilst they are required in the works area • When working in or near water (i.e. within 10 m of a watercourse(s)), a specific risk assessment will be undertaken • Site team and fitters to be trained in the use and disposal of spill kits and pollution prevention. • Spill kits to be available in suitable locations (in all plant, at refuelling points, near major work areas, with spares available in COSHH store) ProEarth spill kits will be used on site, a natural, plant-based product. • Weather conditions to be considered daily prior to using paints and thinners • Drainage systems to be located and protected before use • Products to be used as per amounts specified (not overused) • Any runoff to be captured by spill kits prior to entering drainage system • Paints and thinners to be used in areas away from watercourses (i.e. over 10 m) • Disposal of paint cans containing residue and used spill kits in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care https://unionsquare.jones-bros.com:444/DMS/view_document.aspx?ID=411695&Latest=true • Site team and fitters to have completed Spill Kit Training • Suitable environmental toolbox talks to be given to all site staff

4.3 Detergents and Degreasers

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> • Plant/Vehicle maintenance 	<ul style="list-style-type: none"> • The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily. • All detergents and degreasers to remain in the bunded COSHH store when not in use or on a plant nappy or drip tray whilst they are required in the works area. • Products to be used as per amounts specified (not overused) • Drainage systems to be located and protected before use • Any runoff to be captured by use of maintenance/chemical spill kits prior to

Location	Site Operation	Prevention Measures
		<ul style="list-style-type: none"> entering drainage system Detergents and degreasers to be used in designated areas identified by HSE team When working in or near water (i.e. within 10 m of a watercourse(s)), a specific risk assessment will be undertaken Spill kits to be available in suitable locations (in all plant, at refuelling points, near major work areas, with spares available in COSHH store) ProEarth spill kits will be used on site, a natural, plant-based product. Site team and fitters to be trained in the use and disposal of spill kits and pollution prevention. Disposal of used spill kits managed in line with Waste managed in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care. Weather conditions to be considered daily prior to using detergents and degreasers Site team and fitters to have completed Spill Kit Training Suitable environmental toolbox talks to be given to all site staff

4.4 Ad Blue

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Plant/vehicle maintenance 	<ul style="list-style-type: none"> Spill kits to be available in suitable locations (in all plant, at Ad Blue/refuelling points, near major work areas, with spares available in COSHH store) All Ad Blue to be stored with appropriate secondary containment, likely a drip tray with a capacity of 110% of the tank. Refuelling limited to designated areas as identified by HSE team, not within 10 m of watercourses, drains or ditches or within 40 m of a borehole, spring or well Daily check to be undertaken of Ad Blue re-fuelling equipment Weather conditions to be considered daily prior to travelling with Ad Blue On Site transport of Ad Blue to be kept to a minimum (plan ahead to minimise double handling) Plant nappies to be used under small plant during operation, when refuelling with Ad blue and when using Ad blue-certified bottles in the works area When working in or near water (i.e. within 10 m of a watercourse(s)), a specific risk assessment will be undertaken Drainage systems to be located and protected prior to use Site team and fitters to be trained in the use and disposal of spill kits and pollution prevention. Disposal of used spill kits managed in line with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care. All 3rd Party Ad-Blue deliveries to Site to be supervised by a trained member of Future Water staff Plant to be maintained in accordance with manufacturer's instructions and daily checks to be undertaken on the condition of hydraulic pipes and joints All plant fitters to carry a large maintenance spill kit. All maintenance work with a potential to cause a spill to be notified to management prior to works being undertaken Strategically positioned plant laydown area to be constructed, on hardstanding and not within 10 m of a watercourse, drains or ditches or within 40m of a borehole, spring or well The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Site team and fitters to have completed Spill Kit Training Suitable environmental toolbox talks to be given to all site staff

4.5 Other Chemicals

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Plant/vehicle maintenance Works on site 	<ul style="list-style-type: none"> Spill kits to be available in suitable locations (in all plant, at Ad Blue/refuelling points, near major work areas, with spares available in COSHH store) COSHH store will be secure and appropriately bunded, i.e., 110% of the largest container within it or 25 % of the total volume of all containers, whichever is greatest. Procedure for Substances Hazardous to Health to be used as a reference guide for the identification and management of COSHH risks, safe use, control measures and Respiratory Protective Equipment (RPE) / Personal Protective Equipment (PPE) requirements Weather conditions to be considered daily prior to travelling with Chemicals On Site transport of Chemicals to be kept to a minimum (plan ahead to minimise double handling) Plant nappies or drip trays to be used when undertaking maintenance of plant All chemicals to remain on a drip tray/plant nappy when in the works area, and otherwise stored in the secure COSHH store When working in or near water (i.e. within 10 m of a watercourse(s)), a specific risk assessment will be undertaken Site team and fitters to be trained in the use and disposal of spill kits and pollution prevention. Disposal of used spill kits managed in line with managed in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care All 3rd Party Chemical deliveries to Site to be supervised by a trained member of Future Water staff Plant to be maintained in accordance with manufacturer's instructions and daily checks to be undertaken All plant fitters to carry a large maintenance spill kit. All maintenance work with a potential to cause a spill to be notified to management prior to works being undertaken Strategically positioned plant laydown area to be constructed, on hardstanding and not within 10 m of a watercourse, drains or ditches or within 40m of a borehole, spring or well The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Site team and fitters to have completed Spill Kit Training Suitable environmental toolbox talks to be given to all site staff

4.6 Freshly Mixed Concrete and Concrete Wash Out

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Concreting works Concrete wash out 	<ul style="list-style-type: none"> All concrete wash out water will be contained in Kelly tanks and skips and disposed of as waste. It will be collected from Site by appropriately registered waste carriers (KSD Environmental) and disposed/recovered at a suitably Permitted waste management facility. Disposal of concrete washout will be managed in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Drainage systems to be located and protected prior to use Visqueen to be placed under the concrete floor pour to prevent grout loss Pre-concrete check to be undertaken on formwork and false work before concrete pour commences to prevent accidental discharge of concrete Covered wash out skips to be provided for all concrete wagons

		<ul style="list-style-type: none"> Concrete washout to be placed no closer than 10 m from any watercourse All subcontractors and suppliers of ready mix concrete will be made aware of the procedure for washing out of chutes. Chutes must be washed out in the designated area Suitable environmental toolbox talks to be given to all site staff
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4.7 Silt and Fine Materials (<0.06 mm)

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Surface water run-off Working materials such as clay Vehicle or plant movement 	<ul style="list-style-type: none"> The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Follow procedures in Future Water's Dust Control Method Statement (submitted to discharge Condition 32 of planning permission APP/24/00405) Drainage systems to be located and protected prior to use If required, silt fencing installed to stop silty runoff into the Hermitage Stream. Spoil tips to be compacted to reduce runoff Wheel washing facilities to be available when leaving site If required, road sweepers to be utilised on site entrance and egress pathways Silt socks to be used to remove silt when dewatering excavations, in accordance with the Environmental Permit Covering of excavations in order to reduce water ingress Check dams to be installed where appropriate to settle out sediment and silt Suitable environmental toolbox talks to be given to all site staff

4.8 Sediment (>0.06 mm)

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> High flow rain water run-off (e.g., during floods entraining larger particles) Vehicle or plant movement 	<ul style="list-style-type: none"> The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Drainage systems to be located and protected prior to use If required, silt fencing installed to stop silty runoff into the Hermitage Stream. Spoil tips to be compacted to reduce runoff Wheel washing facilities to be available when leaving site If required, road sweepers to be utilised on site entrance and egress pathways Silt socks to be used to remove silt when dewatering excavations, in accordance with the Environmental Permit Covering of excavations in order to reduce water ingress Check dams to be installed where appropriate to settle out sediment and silt Suitable environmental toolbox talks to be given to all site staff

4.9 Wash water from vehicle wheel washing

Location	Site Operation	Prevention Measures
<ul style="list-style-type: none"> Wheel wash 	<ul style="list-style-type: none"> Wheel washing 	<ul style="list-style-type: none"> The wheel wash is to be a fully self-contained system, i.e. there will be no discharge of wastewater and all water will be reused within the system. The wheel wash will be located >10 m from any watercourse(s). Minimal plant is expected on site, so usage is expected to be low Any slurry/mud containing invasive species to be disposed of appropriately in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care

4.10 Contaminants existing on site within contaminated land and buildings

Location	Site Operation	Prevention Measures
Unexpected contaminants and asbestos	<ul style="list-style-type: none"> Excavating Site clearance Topsoil stripping 	<ul style="list-style-type: none"> Use of pre-existing Site maps for land use to determine any areas of works where the ground should be left undisturbed or excavated with extra care and tested i.e. within the existing landfill on Site, (Permit held by Portsmouth Water, Permit No. NP3439PN) Asbestos has been detected within the pump house buildings, in both building 1 and 2 (Gully Howard Technical Asbestos Refurbishment Survey, 02 May 2024), URN, SR-331743-020524-1) and will be removed from Site by specialist subcontractors if required. Toolbox talk specific to Asbestos awareness will be given to anyone working at the Bedhampton site. If necessary, site runoff/watercourses/adjacent soil to potentially contaminated or unknown areas to be tested regularly for contaminant mobilisation Wheel washing facilities to be available when leaving site Asbestos and excavated materials will undergo waste classification testing and be removed from Site by registered waste carriers to appropriately permitted recovery/disposal facilities, in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Toolbox talks to be given to all Site employees regarding avoiding disturbing contaminated areas The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily

4.11 Emissions to the Atmosphere of fumes and dust (silica, wood and lower toxicity)

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Plant/vehicle use and material transportation (fumes and silica dust) Congestion of roads (fumes) Painting/Setting Out by Engineers (fumes) Cutting/chasing concrete or stone (silica), Concrete batching (silica), Raking mortar (silica), Grinding with handheld tools (silica), 	<ul style="list-style-type: none"> Low emission plant to be used to reduce exhaust fumes and plant/vehicle idling to be minimised wherever possible Materials being transported on vehicles to and from Site are to be covered to reduce dust pollution to local community Local suppliers and subcontractors to be used where available to reduce travel/delivery mileage and carbon emissions Plant to be maintained in accordance with manufacturer's instructions and daily checks to be undertaken, any dark exhaust fumes or smoke to be reported Roads to be swept regularly to remove loose dust and debris or scraped using plant Dust suppression methods will be used to dampen any dust that arises. Modern diesel fuelled plant to be used, especially those with Ad Blue emission treatment systems that convert mono nitrogen oxides into hydrogen and oxygen Reduced speed limits on Site to reduce dust creation Plant windows to be kept shut with on-board climate control used to prevent dust entering driver's cabin A Construction Traffic Management Plan will be in place to relieve congestion for local residents (submitted to discharge Condition 25 of planning permission APP/24/00405) Exhausts to be facing downwind of plant user, pedestrians and workers in the area wherever possible to reduce likelihood of ill-health A Local Exhaust Ventilation (LEV) system to be put in place for any fumes from painting activities which may leave the works area

	<p>Blasting (silica), Cutting plasterboard (lower toxicity dust), Excavating dry material (silica)</p> <ul style="list-style-type: none"> Welding (fumes) Cutting Wood (sawdust) 	<ul style="list-style-type: none"> All generators to be switched off at the end of the working day All dust-emitting works to be completed in ventilated space Water bottle dust suppressing units to be used when cutting concrete or stone with disc cutter. The bottle system should be pressurised with a minimum flow rate of approximately 0.5-1 litres per minute to optimise silica dust control. Lime or cement treatment of bulk fill will be carried out by purpose-built spreaders and mixers with skirts and hoods designed to minimise dust generation Dust extraction to be used to reduce likelihood of dust getting into the atmosphere Awareness of wind direction that can carry dust, near local urban resident areas. Residential areas are present to the north, east and west of the site, therefore, wind from the south, east and west pose the highest risk. In strong direction winds, ground will be dampened or works stopped or modified to minimise risk of airborne dusts. Follow procedures in Future Water's Dust Control Method Statement (submitted to discharge Condition 32 of planning permission APP/24/00405) Use of silica-free abrasives and materials where possible Order the correct sized material to avoid necessity to cut or grind Ensure all Site staff are aware of the importance of dust suppression through toolbox talks No welding to occur in confined spaces to reduce exposure to welding fumes, which are carcinogenic Procedure for Substances Hazardous to Health to be used as a reference guide for the identification and management of COSHH risks, safe use, control measures and Respiratory Protective Equipment (RPE) / Personal Protective Equipment (PPE) requirements Temporary screens around the work areas to be used where possible to interrupt pathway between source of dust and nearby residential receptors i.e., use screens for work expected to generate dust, such as stone cutting. No bonfires or burning of waste materials will be completed on Site. Covers/lids to be used on waste skips if likely to produce dust in storage
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4.12 Noise from construction operations

Location	Site Operation	Prevention Measures
Whole site	<ul style="list-style-type: none"> Operating plant/vehicles within Site boundaries Trial Pit Drilling 	<ul style="list-style-type: none"> Working hours to be restricted to 08:00-18:00 Monday to Friday or 08:00-13:00 on Saturday, as per Condition 35 of planning permission APP/24/00405), unless agreed in writing with the Local Planning Authority in advance Follow procedures in Future Water's Noise & Vibration Management Plan (submitted to discharge Condition 27 of planning permission APP/24/00405) All plant such as pumps to be super silent in order to minimise any noise pollution (especially if required to operate 24hrs) Reversing on Site to be minimised and reversing alarms to be set to white noise rather than beeping Vehicle movement to be minimised where practical through pre-planning work activities Install noise screens around particularly noisy activities or working areas in collaboration and identified by the HSE team Undertake noise monitoring around the Site if noise levels are high. Daily noise monitoring will be carried out at each receptor location during the works. The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily

Location	Site Operation	Prevention Measures
		<ul style="list-style-type: none"> Adequate PPE is to be being worn in accordance with regulations for noise Suitable environmental toolbox talks to be given to all site staff

4.13 Light from construction operations

Location	Site Operation	Prevention Measures
Compound	<ul style="list-style-type: none"> Site compounds activities Use of light towers/security lighting 	<ul style="list-style-type: none"> Lighting to be installed and operated in compliance with the Bedhampton Construction Lighting Strategy (submitted to discharge Condition 29 of planning permission APP/24/00405) Ensure security, tower and task lighting are not directed towards neighbouring properties as to create a nuisance Ensure security, tower and task lighting is not directed towards known nesting bird areas or bat roosts - ensure a competent and qualified ecologist is consulted Working hours to be restricted to 08:00-18:00 Monday to Friday or 08:00-13:00 on Saturday, as per Condition 35 of planning permission APP/24/00405), unless agreed in writing with the Local Planning Authority in advance The Site condition, storage areas, potential sources of pollution and all watercourses to be inspected and recorded daily Suitable environmental toolbox talks to be given to all site staff

4.14 Seeds and Spores from Invasive Species

Location	Site Operation	Prevention Measures
New Zealand Pygmyweed – Southwest of Site Japanese Knotweed – small areas around Site	<ul style="list-style-type: none"> Site clearance Topsoil stripping Washing down plant/vehicles in contact with invasives Environmental monitoring 	<ul style="list-style-type: none"> Himalayan balsam (HB) (<i>Impatiens glandulifera</i>) has been identified within the work area. The Site Management team are aware of this INNS species and will brief the work teams. New zealand Pygmyweed (<i>Crassula helmsii</i>) has been identified within the work area. The Site Management team are aware of the INNS species and will brief the work teams on the biosecurity measures required. This plant species will be managed accordingly for the works within the water. Check, Clean, Dry procedure must be complied to. Japanese Knotweed has been removed from the Site Seeds/soil to be removed from footwear and clothing before leaving the area. Seed dispersal to be reduced by checking for open seed capsules with seeds in before mechanical cutting Prevailing wind conditions to be checked before clearing any stands of invasive species If required, road sweepers to be utilised on site entrance and egress pathways Suitable environmental toolbox talks to be given to all site staff

4.15 Waste

Location	Site Operation	Prevention Measures
Whole Site	<ul style="list-style-type: none"> Disposal of waste (including chemical toilet waste) 	<ul style="list-style-type: none"> All waste will be managed in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Testing of all excavated materials is to be undertaken to inform disposal options All skips to be covered and remain closed when not in use to prevent wind-

		<p>blown litter</p> <ul style="list-style-type: none"> • Skips to be emptied frequently to avoid overflowing • All hazardous waste streams (e.g. used spill kits, aerosols, empty grease cartridges, waste oil, contaminated water etc) to be disposed of separately • Registered Waste Carriers and Permitted/Exempt Disposal Sites to be used for disposal of all wastes. The Site Waste Management Plan will list the licence details and when they were checked. • Suitable environmental toolbox talks to be given to all site staff. • Chemical toilets will be regularly inspected (at least weekly) and not allowed to discharge to the environment. The toilets are self-contained units and waste will be removed from site by registered Waste Carriers.
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5. Pollution Response Measures

Future Water's has developed a Spill Response Procedure based on GPP22 "Dealing with spills"⁴ and key response measures are outlined below for each pollutant expected on the Site. This must be referred to in the event of any of incidents.

5.1 Reporting Spill Procedure.

Future Water will follow EA guidance on reporting pollution [Report water pollution in England - GOV.UK](https://www.gov.uk/guidance/report-water-pollution-in-england) and reporting requirements under any Environmental Permit obtained for the works.

Future Water will categorise environmental incidents and record them as follows:

- Major: Major, serious, persistent and/or extensive impact or effect on the environment, people and/or property. Substantial / severe residual effects
- Moderate: Significant impact or effect on the environment, people and/or property, breach having occurred of a permit or licence condition. Potential medium-term residual effect.
- Minor: Minor or minimal impact or effect on the environment, people and/or property, potential breach having occurred of a permit or licence condition. Potential short term residual effects.
- Negligible: Substantiated incident with no impact. No lasting residual effects.

Future Water will also categorise and record:

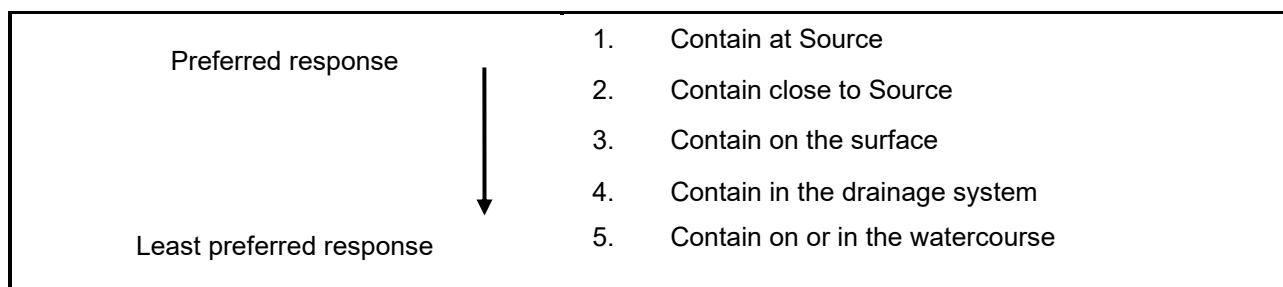
- Near Miss: A near miss is defined as an unexpected event that had the potential to cause harm. Near-miss reporting is essential to help provide valuable insights into potential problem areas and to help prevent possible incidents.
- Complaints: Public / third party complaints with regards to an environmental matter.
- Observations: Environmental Observations (positive / negative) which provide information / opportunities in respect to the environment.

5.2 Pollution Response Hierarchy

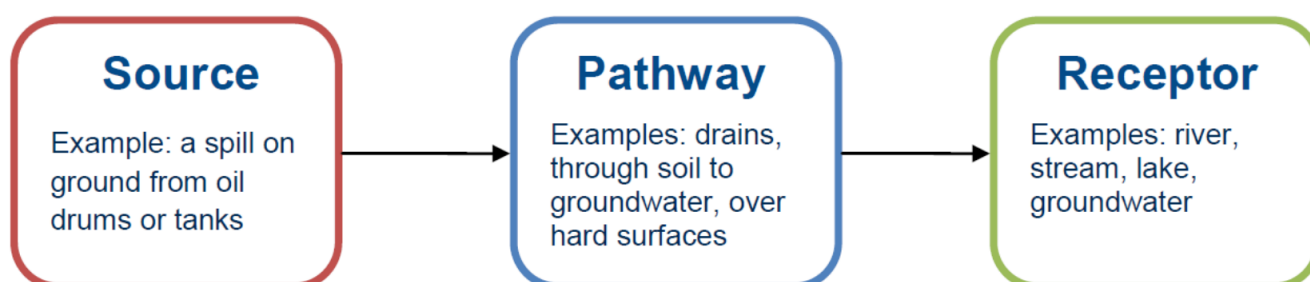
All staff will have a responsibility to identify, and if possible, control and restrict the adverse effects of environmental incidents by using the emergency equipment provided on the Site.

The response to a pollution incident should take a hierarchical approach as per the figure below.

⁴ [GPP 22: Dealing with spills | NetRegs | Environmental guidance for your business in Northern Ireland & Scotland](#)



Furthermore, spills will only pose a risk to people and the environment if the three components shown below are present⁵:



The pollutant specific pollution prevention measures outlined in **Section 4** and the response measures outlined in **Section 5.5** are designed to break the source, pathway, receptor linkage.

5.3 Accredited Oil Spill Response Contractor

Site management teams will manage minor spillages that can be dealt with using on-Site spill equipment. The Site will contact the HSE Team immediately for advice on dealing with spillages as required. When necessary, Future Water's accredited oil spill response contractor will be contacted by the Site to deal with the spill.

Future Water uses Adler & Allan as the accredited spill response contractor. Adler & Allan will be escorted around Site by Future Water staff. The response time is within one hour plus travel time. Future Water would be responsible for the management of contaminated materials and used spill kits and would ensure compliance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care.

The Adler & Allen contact details are:

Name	Emergency Phone Number
Adler & Allan	Tel: 0800 592 827 Fax: 01204 791166

⁵ [gpp-22-dealing-with-spills.pdf](#)

5.4 Location of Spill Kits

Type of Spill Kit	Location
30 litres Grab Pack (Maintenance, Chemical, Oil)	Foreman's vehicle, all items of operated plant Spare's housed within storage container
Spill Bin (100L, 240L, 1100L etc) (Maintenance, Chemical, Oil)	Refuelling area, main works area, COSHH store

NOTE: Used oil/chemical absorbent material must be treated as hazardous waste and disposed of in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care, i.e., accompanied with a completed Consignment Note and transported by a registered waste carrier to an appropriately permitted recycling/disposal facility.

5.5 Response Measures for Individual Pollutants

The following measures are in place to minimise the risk of pollution following a spill or other uncontrolled/unintentional release involving any of the pollutants in **Section 4.0**.

5.5.1 Fuels (White Diesel, Petrol), Lubricating Oils, Hydraulic and Engine Oils

Location	Site Operation	Response Measures
Whole site	Refuelling; Operation; Maintenance	<ul style="list-style-type: none"> Stop leak, isolate containers and move onto drip tray or spill nappy to stop any more from leaking onto ground Switch off plant or stop operation immediately Wear appropriate PPE and contain spillage using fuel/oil spill equipment Contact relevant supervisors and HSE team Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Monitor and record watercourse(s) for extent of contamination

5.5.2 Paint (including spray paints) and Thinners

Location	Site Operation	Response Measures
Whole site	Plant Maintenance, Road Marking; Engineers Setting Out	<ul style="list-style-type: none"> Stop leak, isolate containers and move onto spill nappy to stop any more from leaking onto ground Wear appropriate PPE and contain spillage using chemical/maintenance spill equipment Monitor and record watercourse(s) for extent of contamination Contact relevant supervisors and HSE team Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care

5.5.3 Detergents and Degreasers

Location	Site Operation	Response Measures
Whole site	Plant/Vehicle Maintenance	<ul style="list-style-type: none"> Stop leak, isolate containers and move onto spill nappy to stop any more from leaking onto ground Wear appropriate PPE and contain spillage using chemical/maintenance spill equipment Contact relevant supervisors and HSE team Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Monitor and record watercourse(s) for extent of contamination

5.5.4 Ad Blue

Location	Site Operation	Response Measures
Whole site	Plant/Vehicle Maintenance	<ul style="list-style-type: none"> Stop leak, isolate containers and move onto drip tray or spill nappy to stop any more from leaking onto ground Switch off plant or stop operation immediately Wear appropriate PPE and contain spillage using maintenance/chemical spill equipment Contact relevant supervisors and HSE team Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Monitor and record watercourse(s) for extent of contamination

5.5.5 Other Chemicals

Location	Site operation	Response Measures
Whole site	Plant/Vehicle Maintenance	<ul style="list-style-type: none"> Stop leak, isolate containers and move onto drip tray or spill nappy to stop any more from leaking onto ground Switch off plant or stop operation immediately Wear appropriate PPE and contain spillage using maintenance/chemical spill equipment Contact relevant supervisors and HSE team Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care Monitor and record watercourse(s) for extent of contamination

5.5.6 Freshly Mixed Concrete and Concrete Washout

Location	Site Operation	Response Measures
Whole site	Concrete Works; Concrete Washout	<ul style="list-style-type: none"> Stop work if spills, leaks or other pollution is noticed Wear appropriate PPE to stop and contain as much of the spill as possible Stop any runoff going into watercourses Contact relevant supervisors and HSE team

		<ul style="list-style-type: none"> • Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care • Monitor and record watercourse(s) for extent of contamination
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5.5.7 Silt and Fine Materials (<0.06 mm)

Location	Site Operation	Response Measures
Whole site	Dewatering; Surface Run-off; Plant Movement;	<ul style="list-style-type: none"> • Stop activity in the works area if leaks, other pollution or failure of containment is noticed • Stop further watercourse contamination by removing or reducing the source of silty water • Install silt fencing/hay bales/silt sock to stop any more silt pollution • Contact relevant supervisors and HSE team • Monitor and record watercourse(s) for extent of contamination

5.5.8 Sediment (>0.06 mm)

Location	Site Operation	Response Measures
Whole site	High flow rain water run-off (e.g. during floods entraining larger particles); Vehicle or plant movement;	<ul style="list-style-type: none"> • Stop activity in the works area if leaks, other pollution or failure of containment is noticed • Stop further watercourse contamination by removing or reducing the source of sediment • Contact relevant supervisors and HSE team • Monitor and record watercourse(s) for extent of contamination

5.5.9 Contaminants existing on site within contaminated land and buildings

Location	Site Operation	Response Measures
Unexpected contaminants	Excavating; Site clearance; Topsoil stripping; Demolition of structures	<ul style="list-style-type: none"> • Asbestos has been detected within the pump house building (Gully Howard Technical Asbestos Refurbishment Survey, 02 May 2024), URN, SR-331743-020524-1) and will be removed from Site by specialist subcontractors • An Asbestos Plan and employee training will be completed • Stop activity in the works area and remove all personnel • Wear appropriate PPE if re-entering the works area • Stop further watercourse contamination by installing booms downstream (if necessary and safe to do so) • Contact relevant supervisors and HSE team • Clean up contaminated area and dispose of contaminated material in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care • Monitor and record watercourses (if present) for extent of contamination if polluted or at risk of becoming polluted

5.5.10 Emissions to the atmosphere of fumes and dust (silica, wood and lower toxicity)

Location	Site Operation	Response Measures
Whole site	Plant/vehicle use and material transportation; Congestion of roads; Cutting/chasing concrete or stone; Concrete batching; Raking mortar; Grinding with handheld tools; Cutting plasterboard; Excavating dry material; Welding; Cutting wood	<ul style="list-style-type: none"> Follow procedures in Future Water's Dust Control Method Statement (submitted to discharge Condition 32 of planning permission APP/24/00405) Stop activity and remove personnel to fresh air if leaks, other pollution or failure of containment or ventilation is noticed Wear correct PPE and begin using dust suppression and extraction to remove remaining dust from atmosphere Contact relevant supervisors and HSE team Monitor and record air quality daily via the Pambry Environmental Monitor (PM 2.5) at the off-site receptor site locations. See monitoring document to be completed in 6.2 <i>Dust and Fumes</i>.

5.5.11 Noise (from construction operations)

Location	Site Operation	Response Measures
Whole site	Operating plant/vehicles; Pumping Operations	<ul style="list-style-type: none"> Stop activity if malfunction, other pollution or failure of noise containment is noticed. Subjective monitoring is required from the operator to identify abnormal noise levels. Also stop work if complaints (from other construction staff or offsite receptors) are received. Find other means of completing the task to reduce noise levels for receptors Wear appropriate PPE for the noise level monitored, erect noise screens and appropriate signage. Stop all work if noise is over safe working limit Contact relevant supervisors and HSE team

5.5.12 Light

Location	Site Operation	Response Measures
Whole site	Site compound activities; Use of light towers/security lighting	<ul style="list-style-type: none"> Stop work if outside of site working hours and not approved in advance by the Local Planning Authority (as per Condition 35 of planning permission APP/24/00405) Face lighting towers downwards and away from receptors Turn off any unnecessary lights Contact relevant supervisors and HSE team

5.5.13 Seeds and Spores from Invasive Species

Location	Site Operation	Response Measures
Invasive species (if	Site clearance; Topsoil	<ul style="list-style-type: none"> Stop activity that is releasing seeds or spores of invasive species into the wider environment



found)	stripping; Plant/vehicle operation in invasive stands	<ul style="list-style-type: none">• Strict biosecurity measures to be carried out (Check, Clean & Dry).• Clean footwear, tools and clothing before leaving the area• Demarcate the area using tape or fencing to stop entry
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5.5.14 Waste

Location	Site Operation	Response Measures
Whole site	All operations	<ul style="list-style-type: none">• Close any open skips that are producing wind-blow litter• Collect litter where safe to do so• Contact relevant supervisors and HSE team• Clean up area and dispose of waste in accordance with relevant waste legislation (i.e., The Waste (England and Wales) Regulations 2011) including Waste Duty of Care

6. Monitoring via Management Plans

Monitoring will be carried out on the Site using the specific management plans below:

6.1 Watercourses

Monitoring Locations	Monitoring Document	Monitoring Frequency	Parameters Monitored
Discharge locations TBC on banks on the Hermitage Stream	Bedhampton Watercourse Monitoring Record	Daily (as required)	Visual inspections for sediment, colour, oil and grease Additional parameters as per the Environmental Permit obtained for the work

6.2 Dust and Fumes

Monitoring Locations	Monitoring Document	Monitoring Frequency	Parameters Monitored
Refer to Dust Control Method Statement	Bedhampton Off-site Dust and Noise Monitoring	Daily	As per Dust Control Method Statement (submitted to discharge Condition 32 of planning permission APP/24/00405)

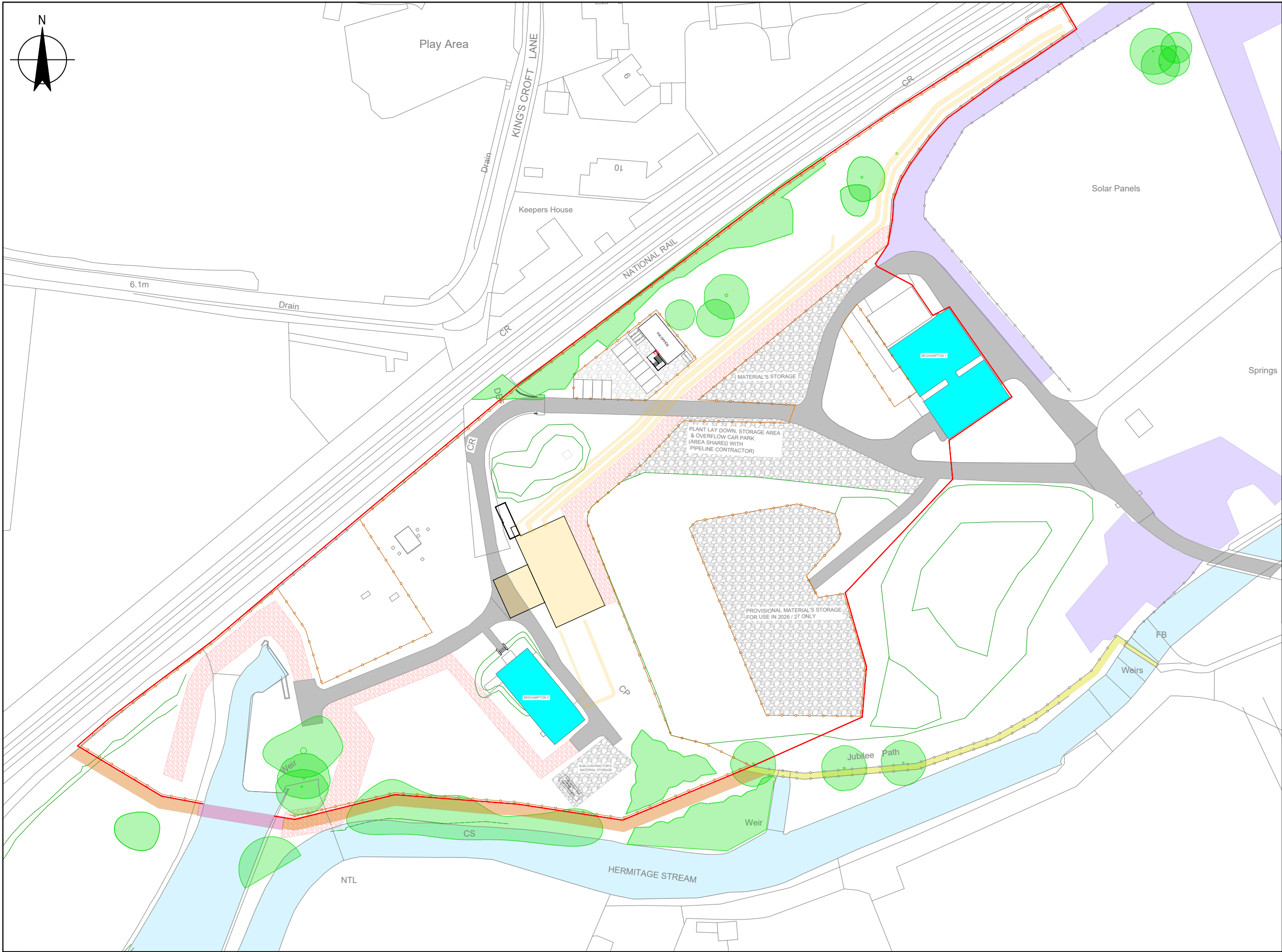
6.3 Waste

Monitoring Locations	Monitoring Document	Monitoring Frequency	Parameters Monitored
Entire site and waste storage areas	Bedhampton Weekly Inspection And Waste Management Plan	Daily (as required)	Will include as a minimum; <ul style="list-style-type: none"> • Waste storage areas • Waste separation • Waste volumes • Waste collections • Waste contractor licences and waste duty of care paperwork

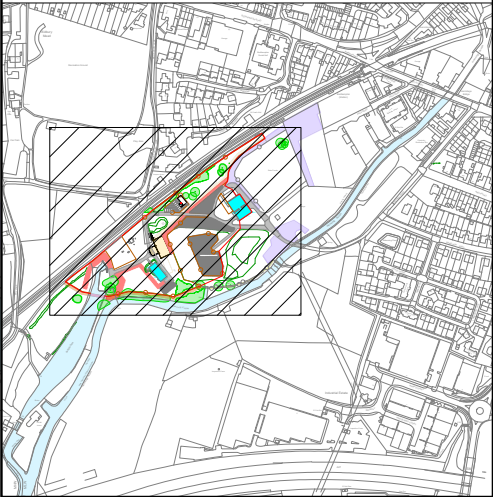
Appendices

Appendix A – Enabling Works Site Compound Plan
Drawing ref: HTR-FUW-ZZ-BP-DR-T-3173

Appendix B – Main Works Site Compound Plan
Drawing ref: HTR-FUW-ZZ-BP-DR-T-3207

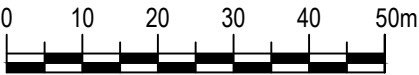


- Key**
- Red Line Boundary
 - Building
 - Landscape lines
 - Existing Site Boundary Fence
 - CDM Perimeter Fence
 - Edge of Site Road
 - Existing Tree/Vegetation
 - Working Area Access Double Vehicle Gates
 - Site Shared Access Road
 - Pipeline Contractor's CDM Area
 - Proposed Valve Slab and Pipe route
 - Waterway
 - PfOw Footpath
 - PfOw footpath diversion
 - Bedhampton Building Works
 - Temporary Type 1 platform with Geogrid layer to protect underground services
 - Temporary Type 1 access with Geogrid layer to protect underground services



NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE (UNO).
- ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNO.
- ALL CO-ORDINATES ARE RELATIVE TO OS NATIONAL GRID.
- FUTURE WATER COMPOUND OFFICE CONTAINERS WILL BE 24FT AND DOUBLE STACK



SCALE 1:1000 AT ORIGINAL SIZE

P01 Initial Issue	LS	JH	24.07.2026
Rev	Description	Checked	Approved
Author	Juri Fomenok	Drafting Check	Lizzie Samms
Designer	Juri Fomenok	Design Check	James Hanson

Plot Date: 11 March 2026 - 3:19 PM

Plotted by: Fomenok J. (Juri)

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5350

PORTSMOUTH WATER
Project HAVANT THICKET RESERVOIR
Status FOR INFORMATION

Status Code S2

Drawing Title	BEDHAMPTON DUAL PIPELINE PHASE 1 WORKS COMPOUND (MAIN WORKS)	Size A3
Drawing No.	HTR-FUW-ZZ-BP-DR-T-3207	Rev P01