



Worsbrough STW WINEP Scheme

YW200418.04

Barhale / Enpure Joint Venture – BEJV

Construction Traffic Management Plan



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Construction Traffic Management Plan

Worsbrough STW

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1. Construction Traffic Management Plan

Barhale Enpure Joint venture site will organise and manage vehicles and pedestrians using all site routes to ensure segregation to ensure persons and plant move around safely. The routes will be made suitable for the persons or vehicles using them, in suitable positions and sufficient in number and size as illustrated in the access arrangement put in place. This is so that incidents can be prevented by the effective management of transport operations throughout the construction process.

2. Site Address

The site is located on the outskirts of Worsbrough, South Yorkshire. The nearest postcode is S70 4TJ.

The national grid reference for the centre of the site is SE 36269 03502.

What 3 words locator –/// hosts.bills.activism

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3. Site access

The site is located on the outskirts of Worsbrough, South Yorkshire, and is accessed via an unnamed road, off Edmunds Road off Station Road via the B6100.

Site Access Route (fig.1)



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Site access at end of Edmunds Road: (fig.2)



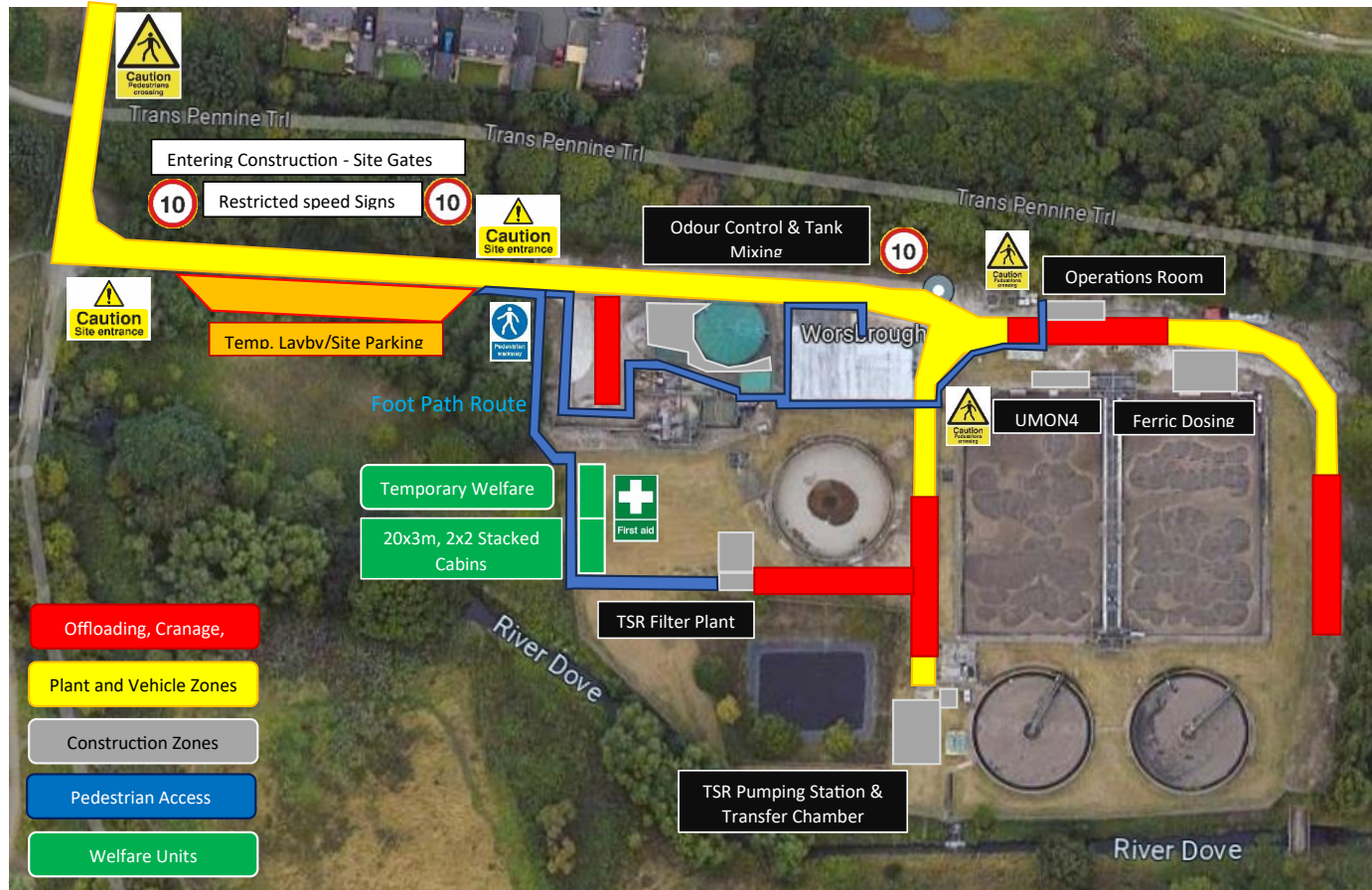
Existing site layout: (fig.3)



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Site arrangements, (fig.4) - Traffic management and signage:

3-Way connection denote both traffic movement direction and turning points on site,
Green Zones for Deliveries, Vehicle holding/Management.



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4. Traffic Management Considerations and Actions		
Consideration to	Action planned	Checked
Site entrance and exit:		
<ul style="list-style-type: none"> Allow for size and turning area for largest vehicle & load. Ensure good sight lines and accommodate for assisted direction on blind spots. Disruption of local traffic and residents. Consider reversing maneuvers, signing in, parking and laydown areas. Site access control and visible site contact details available before entry to site. Edmunds Road is a residential street with residential parked cars. The site already accepts regular deliveries including articulated tankers on a regular weekly basis. 	<p>Access is via an unnamed road off Edmunds Road via Station Road.</p> <p>Site traffic and operational movements will be restricted to site except for collections and deliveries which will be pre planned due to the restriction of a single-track site with only 2 turn around points.</p> <ul style="list-style-type: none"> Edmunds Road is a residential street with residential parked cars. Access and Egress to and from site to managed as single lane access, deliveries will be scheduled to mitigate risk of collisions/blockages where such risk is within the control of BEJV The main entrance is a regular walking path as well as access to the Trans Pennine Trail where 10mph speed limits will be in place. Addition of escorted 'banksman' for specialist deliveries and plant machinery from the end of Edmunds Street, over the crossroads on entering site due to potential of the presence of the public. Caution will be exercised on leaving site due to restricted visibility of the foot pedestrians in the area. No height or weight restrictions have been identified on public highways around the site. Overhead cable services are not present on roads in this area or site. 	

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	<ul style="list-style-type: none"> Site working hours will be limited to 7:30 to 17:30 Monday to Friday with occasional out of hours working Saturday 7:30 to 13:30. The site is bounded by a palisade fence. The site road is to be kept clear at all times, unless by agreement with YW personnel. BEJV to manage main gate access to prevent any unauthorized access. A pre-condition survey of the site access points shall be undertaken by BEJV prior to the commencement of the scheme. All site personnel and visitors including delivery drivers are required to call the site contact prior to visiting site. 	
Construction traffic movements		
<ul style="list-style-type: none"> Site currently requires a Daily 30m³ Tanker to transfer process and treated waste to additional YW sites with Biomass facilities. For Maintenance of ASP Aeration equipment periodic access for Cranage is required on site. To Maintain stock Levels of onsite Polymer dosing facilities additional supply deliveries are made on a scheduled basis. Scheduled Deliveries of Flatbed Trucks up to 27m Max Mechanical Equipment, permanent and Hire 	<p>The areas currently used for Large Vehicle turning and manipulation have been identified and are to be used to manage Construction traffic flow on site, allowing Vehicles to pass Safely and aid management of Access and Egress of Multiple vehicles on site, suggested maximum of no more than three to ease congestion, see Fig 4 Above</p> <p>All Construction Vehicles as with Deliveries will need to be allotted a scheduled window, access down Edmunds Road will be Escorted by a Banksman.</p>	

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<ul style="list-style-type: none"> • 8x4 32t Crane for installation of Site Cabins and Temporary works equipment • 20-35ft 26-72t Concrete trucks casting of base units • 5t Excavator unit and Mini diggers for various activities 	<p>Additional Banksman will be provided on Site grounds to control Construction vehicle movement, notifying holds and safe to proceed, in addition to monitoring the Entrance from Station Road onto Edmunds Road, Radio communication equipment will be used to maintain communication and control.</p>	
Compound, offices, and w20-35ft 26-72t Concrete trucks Welfare facilities within the Wastewater Treatment Works:		
<ul style="list-style-type: none"> • Arrange such areas for ease of access. Segregate plants, cars and pedestrian routes. Adequate signing. 	<ul style="list-style-type: none"> • Welfare units and offices will be located within the site boundary and away from the main excavations and building works. • Parking will be between the gates without the need to enter the main site. • A walkway will be provided segregating people from vehicles and plant. See fig 4. • Signage will be posted to direct all personnel including visitors and deliveries to the welfare and parking area, pedestrian routes will direct personnel and separate them from traffic. 	
Loading & Unloading & storage:		
<ul style="list-style-type: none"> • Adequate space for vehicle movements and space for loading bays to be provided. • Allow adequate space for storage. • Minimise movements and need for reversing. Minimise double handling of plant and materials. 	<ul style="list-style-type: none"> • No unloading will take place until the load has been checked and authorised by a site supervisor. • No mechanical unloading will take place unless a project-specific Lifting Plan is in place. • The loading and offloading area of the site is as per layout plan. The area will be stoned to prevent the transfer of mud on to the public highway. 	

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	<ul style="list-style-type: none"> In this area truck access and collective fall protection will be used to facilitate offloading the trucks to prevent falls from height. Small deliveries will be offloaded at the BEJV welfare area or site office. Large deliveries will be offloaded by the supplier (driver or operator) who will be responsible for all collective protection and access to the vehicle. All materials will be subject to the waste and COSHH management plan with defined bunded area's to be detailed and provided pre supply and delivery. 	
Signage:		
<ul style="list-style-type: none"> Use standard traffic signs where possible. Ensure signs are clearly visible to users. Ensure signs do not themselves cause obstruction. 	<ul style="list-style-type: none"> British Standard construction road signage will be used within the site to enforce speed limits and priority passing. A contact number will be at the gate which will be locked to avoid congestion on site. And the construction site working areas will be clearly displayed at the entrance of the site. 	
Lighting:		
<ul style="list-style-type: none"> Minimise lighting to that needed for safety. Ensure lighting does not cause glare to drivers. 	<ul style="list-style-type: none"> Permanent site lighting is installed. Flood lighting systems will be provided where necessary. BEJV will provide access and general site lighting. Where a sub – contractor is working on behalf on BEJV, they will be required to 	

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Site working practices:		
<ul style="list-style-type: none"> Plan plant and heavy vehicle movements. Ensure working areas will support plant weights. Provide adequate barriers around excavations. Minimise need for reversing and use banksmen. Immobilise unattended plant. 	<ul style="list-style-type: none"> All excavations will have barriers erected to keep vehicles and plant away from the edge. Stop logs or traffic barriers will be used if deemed necessary in the task specific RAMS. All unattended plant onsite to have their keys removed or by made immobile to prevent misuse. 	
Plant requirements:		
<ul style="list-style-type: none"> Ensure plant is of appropriate type for use. Ensure plant is properly maintained. Ensure plant has any necessary test certificates. Ensure plant operators have required licenses. Fit flashing beacons where appropriate. 	<ul style="list-style-type: none"> BEJV will provide plant and equipment for the construction phase of the project. Where construction plant is to be hired, BEJV must comply with BEJV & Yorkshire Water plant requirements. All equipment to undergo pre-use & weekly inspections to confirm safety, and test certificates and maintenance schedules logged. All site plant to have all round visibility and to have a flashing beacon when in use. All defects in the equipment to be reported to the site supervisor immediately. Suitable and fit for purpose plant will be selected during the development of the safe system of work. 	
Personnel training and information		
<ul style="list-style-type: none"> Ensure staff and visitors are informed of site rules. Ensure such information is given to others on site. Provide briefing to all workforce, visitors and 	<ul style="list-style-type: none"> All staff and operatives are to receive a full Yorkshire Water & BEJV induction before commencing work on site. All visitors will receive a 	

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<p>delivery drivers on this plan.</p> <ul style="list-style-type: none"> • Ensure any rule changes are communicated accordingly. • Delivery drivers' induction sheet to be completed, • with a signed copy held on site. 	<p>visitor's brief induction and always be escorted by a fully inducted competent person.</p> <ul style="list-style-type: none"> • Delivery drivers will receive a delivery induction and direction of traffic routes and restricted area's. • Toolbox talks to be briefed on all activities that have impacts on site traffic management. • Arrangements should be made for Large deliveries & agreed with the Yorkshire Water and other contractors on site if any. 	
Risk Assessment Method Statements (RAMS)		
<ul style="list-style-type: none"> • Production of RAMS 	<ul style="list-style-type: none"> • RAMS will be produced for each specific task or set of tasks and reviewed prior to starting any activity. • The RAMS will be in conjunction with the live updated Construction Phase Plan (CPP). • A team brief will be undertaken and understood before any activity is started. 	
Review upon site set-up completion		
Review upon start of construction activities		
Daily site checks on arrival to, and on site		

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5. Pedestrians and vehicles will be kept apart by management of the following:

- **Entrances and exits** - Minimise vehicle size for all deliveries, where practicable. Allow for size and turning points of largest vehicle inside the site rather than on local roads inadvertently disrupting local traffic.
- **Walkways** – the site surface will be firm, levelled, well-drained pedestrian walkways that take a direct route where possible.
- **Crossings** - where walkways cross roadways, a clearly signed and lit crossing point will be provided where drivers and pedestrians can see each other clearly.
- **Visibility** - make sure drivers driving out onto public roads can see both ways along the footway before they move on to it; the existing entrance has a visibility display to enable this.
- **Obstructions** – all walkways will be checked on a daily basis to ensure walkways are not blocked so that pedestrians do not have to step onto the vehicle route; and
- **Barriers** – pedestrian barriers will be erected to separate the roadway and walkway.

6. Vehicle movement

will need to be minimised on site in restricted areas in which BEJV will be carrying out work. This will be minimised by management of the following:

- Provision of car and van parking for the workforce and visitors away from the work area;
- controlled entry to the work area; and
- Planned storage areas so that delivery vehicles do not have to cross the site.
- People who direct vehicle movements (banksmen) will be trained and authorised to do so.
- BEJV will make sure that all drivers and pedestrians know and understand the routes and traffic rules on site. Standard road signs will be used where appropriate.
- Provision of induction training for drivers, workers and visitors and instructions will be sent out to visitors before their visit.
- BEJV will manage all of the above by utilising the following:
- **Banksmen** - will be appointed to control maneuvers and who are trained in the task;
- **Clothing** – all personnel onsite including visitors and delivery drivers will wear high-visibility clothing. And adhere to the 5 required PPE.
- **Gatekeeper** – All deliveries will arrive at the main gate. The responsible person will direct deliveries, visitors and monitor the security of the site
- **Speed limits** - restrict speed to 10mph
- **Specific deliveries New welfare building** – 3 no. deliveries on 20ft low loader wagons – 2 x building delivery and 1 x stair case plus 1no. 40T mobile crane to off load – all in one day
- **Specific delivery for New Ferric Dosing kioks** – 1no kiosk delivery on an articulated lorry plus 1no. 40T mobile crane to off load – 1 day

7. Suppliers

- Construction material suppliers will be informed of the condition of the local road network, allowing appropriately sized delivery vehicles to be deployed to the site. This could influence the number of vehicle movements, however over the duration of the construction project this is unlikely to constitute an adverse effect. During periods when large numbers of deliveries are expected, traffic marshals or temporary signals will be used to manage traffic flows to ensure HGVs and oncoming vehicles do not meet at narrow sections.

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8. Loading and unloading

- Designated areas will be identified prior to arrival for loading and unloading of vehicles on site without disrupting the flow of traffic.
- Due to the restricted movement on site, materials will be planned to arrive as required for use to promote housekeeping and avoid hazards for daily operation.
- children, family members, passengers or pets are not allowed in the cab or cockpit of any vehicle when making a delivery, unloading, or loading at BEJV sites. Delivery drivers must check the security and stability of all loads before any securing devices chains or straps are released.
- Times and deliveries will be planned in such a way that it causes no obstruction to the public or congestion on site.

9. Storage of plant & materials:

- The storage of plant and materials will be within easy access of the point of unloading to minimise movement through the site for vehicles and plant. It will be located within the site compound and free from any obstruction. A storage cabin will be provided to store materials that could be affected by weather condition. A separate COSHH container may be required to separate COSHH material from other building materials. Tools and fittings will be racked properly, and all small fittings will be bagged and clean. Pipe ends will be protected using an appropriate cap or plug and stored off the ground. Herbicides and pesticides are not to be used in the storage area. Regular inspection to take place.

10. Provision of boundaries, fencing & hoardings:

- BEJV will fence off with temporary fencing the areas in which the works will take place. This fencing shall be used to separate the construction activities from the operational or other areas controlled by others. The area to be fenced shall be agreed with the Project/Site Manager. There will be Heras fencing secured to a minimum height of 2 meters alongside the areas.