

1.0 Day to day operation

1.1 Pump operation and monitoring

The pumping station is an unmanned facility with the operation of the pumps controlled by an ultrasonic level control system which monitors the level of sewage within the wet well chamber.

2 pumps are provided and will be configured in a “Duty/Standby” arrangement, i.e. a single pump is required to discharge the sewage from the pumping station with the facility to switch to the second pump in the event of a fault with the first. The pumps would typically operate for a minute or two at a time and with a maximum of 15 cycles per hour.

Pump operation shall be monitored by a telemetry system which will relay faults remotely to a maintenance contractor employed by the Developer or, upon adoption of the assets by Wessex Water, to Wessex themselves.

The pumps themselves are the submersible type and are positioned at the base of the Wet Well chamber.

1.2 Nuisance (noise, odours and light pollution)

Very little noise is generated by the general day to day operation of the pumping station and would only just be perceptible to an individual positioned within the pumping station compound itself.

The wet well is vented to atmosphere. A charcoal odour capture unit will be fitted to the vent pipe to prevent airborne odours.

The industry standard design document “Sewerage Sector Guidance Appendix C” requires the wet well of the pumping station to be located 15m from the nearest habitable buildings in order to minimise the risk of odour, noise and nuisance. This parameter has been complied with in the design and location of the pumping station and the relevant distances are shown on the site plan drawing ref P209-02-3302).

Provision has been made in the planning application for the pumping station to include a chemical dosing unit to mitigate septicity in the sewage within the pumping main sewer downstream of the pumping station which would otherwise have the potential to cause odours at the point of discharge to the existing Wessex Water network in Imber Road. Wessex Water may nevertheless elect to omit this from the final design should it deem such a facility unnecessary.

No light pollution will be generated by the day to day running of the pumping station. The light column provided within the pumping station compound is for use during manned visits and is controlled by a manual switch which would be set to off.

2.0 Periodic Maintenance Visits and Emergency Call-outs

Maintenance visits are typically carried out on a 3 monthly basis, or similar.

An emergency call out to attend to a fault at the pumping station could theoretically be required at any given time during a day or week. The Developer’s appointed maintenance contractor

will be engaged on the basis of being available at all times 24/7 to respond to any faults relayed through the telemetry monitoring system.

2.1 Vehicular use during manned visits

Maintenance staff typically use conventional vans or pick-up type vehicles for routine maintenance visits.

Access by a tanker would be necessary for the periodical flushing/cleaning of the wet well chamber, or to pump out sewage from the chamber in the event of a pump breakdown. The aforementioned SSG Appendix C requires the access to the pumping station to be suitable for a tanker with a capacity up to 18,000 litres.

The pumping station compound contains a parking area to accommodate such a vehicle, thus avoiding parking on Pepper Place itself.