Pumping Station Emergency Discharge Key Protection Measures

Site name:	Hay on Wye SPS
Permit Number and Activity Reference:	AN0379801
Version number and Date:	Version 2, 31/01/2025

Pumps:		
	Duty pump(s) installed and maintained in working order:	Yes
	Standby pump(s) installed and maintained in working order:	Yes
	Automatic standby pump activation on duty pump failures other than power failure:	Yes
	Automatic pump reactivation *ASARP* when power restored after power failure:	Yes
	Over pumping facility installed and maintained for use if the installed pumps are inoperative:	Yes
	Tanker access provided and maintained at an appropriate location to enable removal of sewage by tanker when necessary:	Yes

Maintained 24-hour response telemetry alarm system to:	Notify Operator	Provided
	Failure or breakdown of the pumping station	Yes
	Overflow operating	Yes
	Hi Level	Yes
Alarm response	Response: Take all reasonable remedial measures to return the pumping station to normal operation.	Yes
	Response time: As soon as reasonably practicable after receipt of warning of failure or breakdown of the pumping station	Yes

Standby power provision:		
	Mobile generator point. Install and operate a mobile generator as soon as is reasonably practicable in the event of an electrical failure	Yes
	Permanent standby generator installed and maintained in good working order	No

	and activated in the event of an electrical power failure.	
	Duplicate power supply provided, and activated *as soon as reasonably practicable* in the event of an electrical power failure	No

Emergency storage capacity Hours @ DWF*: ** For compliance purposes Dry Weather Flow shall mean the average daily flow entering the pumping station during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day. The DWF figure you enter should be based on your estimate of PG+I+E at your chosen design horizon.*	Storage capacity, equivalent to a total of at least x hours of the dry weather flow* ("DWF*"), shall be provided above the normal top operating level in dry weather and below the level of the overflow.	N/A
Design dry weather flow limit	*The figure proposed here should be based on the projected PG + I + E at your proposed design horizon*:	N/A
Emergency storage capacity m3	Minimum storage volume provided above the normal top operating level in dry weather and below the level of the overflow	29m^3
Screening:	Screen fitted	Yes
	Screen type	Static Mesh
	Screen aperture size	6mm 2D
Any other key protection measures (e.g. enhanced target response times, links and dependencies to other pumping stations such as pump inhibits and tankering at upstream pumping stations in an emergency):	All critical failure alarms attended within 2 hours wherever possible. No pump inhibits from other network SPS. The Hay on Wye SPS is terminal and has 4 smaller pumping stations which pump into the feeding main. In the event of failure at these pumping stations, tankers would be called to these sites to manage flows. If the Hay on Wye SPS pumps failed, tankers would be requested to manage flows from there.	