

## Improvement condition programme

Asset [asset reference]	Brief description	Action	Programme / timescale
Internal Pumping Station [X]	Review of asset infrastructure	Capital scheme D17973 has been raised. Improvement condition sought to allow any refurbishment or replacement to bring it up to BAT standard.	See capital scheme summary
MAD digesters [P]	Diffuse emissions detected from the MADs digesters	MAD digesters to be investigated for remedial works as part of the capital scheme D14308	See capital scheme summary
APD buffer tank [B]	Asset condition poor and review is required to establish what level of repair is required	Capital Scheme DP0444 is raised to assess the asset	See capital scheme summary
SAS GBTs [11]	Located in building with one vent. Monitoring needed	Subject to monitoring and appropriate abatement to be retrofitted if Odour units OUe threshold is exceeded	Sampling will commence.
All open-top raw sludge holding tanks	Uncovered untreated sludge holding tanks	Remedial action to be confirmed upon option assessment study.	Option assessment study ongoing.
Secondary Sludge Storage tanks (SSST) [14,15]	Uncovered sludge holding tanks following digestion.	Monitoring for diffused emissions underway using portable gas monitors.  Remedial action to be confirmed upon option assessment study.	Option assessment study ongoing.
Drainage Plan	The drainage system needs further investigation for extent and condition	A comprehensive survey of the drainage system along with its condition will be carried out and remedial works completed.	Will be arranged within the next 12 months
Wastewater emission monitoring	Monitoring needed to meet the requirements of BAT 3, 6 and 7	Characterisation sampling of the wastewater emissions and environment risk assessment to complete the BAT 3 inventory. Following this BAT 6 and 7 ongoing monitoring can be determined	Sampling for characterisation is expected to take a minimum of 12 months to gather sufficient data for the environment risk assessment. Clarification was obtained in the EA/WaSC workshop 28/09/2022.

Temporary Road Centrifuges	Temporary road centrifuges in place which allow continued dewatering whilst access to the silo area is prevented and the use of centrifuge 5 & 6 [G1,G2] is not possible	These temporary centrifuges will be removed from use as soon capital project D14292 has been completed	The time scale is tied in with the capital scheme D14292.
Sludge Import tank [26]	Top ring of sludge import is corroded	Tank to be refurbished	Refurbishment scheme to be raised within 3 months
Biogas flare [!]	Flare does not meet BAT	Will need to be replaced	Replacement scheme to be raised within 3 months
Permeable surfaces	Areas in between MADs	Existing impermeable areas need to be inspected to prove good condition. Permeable surfaces will have to be made impermeable.	Scheme to be raised for assessment within 3 months
Spill containment	Secondary containment of existing assets	Spill modelling completed. Source pathway receptor assessment complete. Options for secondary containment have been identified.	Scheme to be raised upon confirmation from EA that options identified are acceptable.