

Coleg Cambria

## **Llysfasi Campus**

### **Treatment Facilities Management Plan**

I01004-JPS-XX-XX-MP-D-I000

Rev: P01      Status: S4

February 2025

Table 1: Treatment Facilities Management Inspection Checklist

GENERAL INFORMATION			
Site ID	Coleg Cambria		
Site Location and co-ordinates (GIS if appropriate)	Llysfas Campus (314738, 352332)		
Infrastructure As Built Drawing Reference(s)	TBC		
Agreements Restrictions			
Discharge Type	Connection	Outflow	Agreement
Surface Water	To ground	-	-
Foul	Domestic treated effluent to Nant Y Garth Watercourse	Peak = 5.2 l/s / 75m3	-
Elements forming the Treatment Facilities	2 no. BioDisc BN Treatment Tanks with a 63000 l balance tank (refer to drawings for details) Installation date – TBC Installed by - TBC		

INFRASTRUCTURE	Inspection date				Inspection date			
RECOMMENDED FREQUENCY – Annually	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
Is there evidence of any accidental damage to the system?								
Is there any evidence of cross connections or other unauthorised inflows?								
Is there any evidence of tampering with the Treatment Facilities?								
Does the balance tank appear to be operating effectively?								
Do the treatment tanks appear to be operating effectively?								
Is the sample point accessible at all times?								
Has annual de-sludging been undertaken? (frequency TBC)								
Do there appear to be any visible adverse effects on the watercourse? (e.g. dead or distressed fish, other animals or plants in the vicinity of the discharge point, noticeable deposit of solid material; growth of sewage fungus (a grey growth covering rocks or other objects in the receiving water body); or noticeable discolouration of the water flow by the discharge.)								
Drainage network to be checked CCTV survey.  A list of defects should be compiled with high, medium and low risk of failure. High risk defects should be fixed immediately, medium risk should be fixed within 6 months and low risk to be monitored.								

GENERAL INSPECTION ITEMS	Inspection date				Inspection date			
RECOMMENDED FREQUENCY – Biannually	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
Is there any evidence of erosion, channelling, ponding (where not desirable) or other poor hydraulic performance?								
Is there any evidence of accidental spillages, oils, poor water quality, odours, nuisance insects?								
Have any health and safety risks been identified to either the public or maintenance operatives?								

SILT/SEDIMENT ACCUMULATION	Inspection date				Inspection date			
RECOMMENDED FREQUENCY – Monthly	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
Is there any sediment accumulation at inlets (or other defined accumulation zones such as the surface of filter drains or infiltration basins and within proprietary devices)?								
Is surface clogging visible (potentially problematic where water has to soak into the underlying construction or ground (e.g. underdrained swale or infiltration basin)?								
SYSTEM BLOCKAGES / LITTER BUILD UP								
Is there evidence of litter accumulation in the system? If yes, is this a blockage risk?								
Is there any evidence of any other clogging/blockage of outlets or drainage paths?								

VEGETATION	Inspection date				Inspection date			
RECOMMENDED FREQUENCY – Monthly During Summer Quarterly Through Winter	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
Is the vegetation condition satisfactory (density, weed growth, coverage etc.)? (Check against approved planting regime.)								
Does any part of the system require weeding / pruning / mowing? (Check against maintenance frequency stated in approved design.)								
Is there any evidence of invasive species becoming established? If yes, state action required.								

Are there any other matters that could affect the performance of the system in relation to the design objectives for hydraulic, water quality, biodiversity and visual aspects? (Specify.)								
OTHER OBSERVATIONS								
Information appended (e.g. photos)								

	Inspection date				Inspection date			
	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
<b>SUITABILITY OF CURRENT MAINTENANCE REGIME</b>								
Continue as current								
Increase maintenance								
Decrease maintenance								
<b>NEXT INSPECTION</b>								
Proposed date for next inspection								

TRAINING REQUIREMENTS	INSPECTOR DETAILS	
<p><b>Coleg Cambria (TBC)</b> is responsible for procedures and who is technically competent to undertake inspections.</p> <p>The inspector needs to understand what the treatment facilities are designed to do, what there limitations are and the restrictions on its use (for example, chemicals which may prevent it from working properly). Anyone that inspects, maintains or repairs the system must be adequately trained and competent to do so.</p>	<p><b>TBC</b></p>	



COMPLAINTS RECORD	HOW TO INVESTIGATE COMPLAINTS	ACTIONS TAKEN
TBC	TBC	TBC

ACCIDENT MANAGEMENT PLAN				
INCIDENTS THAT COULD RESULT IN POLLUTION	LIKELIHOOD	CONSEQUENCES	MEASURES TAKEN TO AVOID	MEASURES TAKEN TO MINIMISE
Equipment breakdowns				
Enforced shutdowns				
Fires				
Vandalism				
Flooding				
Bad Weather				
Any other incident				
DATE OF REVIEW				
DATE OF NEXT REVIEW				
EMERGENCY CONTACTS				

**ACCIDENT RECORD FORM**

PREVENTING ACCIDENTS AND WHAT TO DO IF THEY HAPPEN	PREVENTION	REMEDIAL ACTION
Overloading of treatment works due to inadequate sized works/tank being installed	If any changes are to take place to the property, then ensure the treatment works/septic tank is still large enough.	Follow your spill response procedure. It describes what to do in the event of a spill and where the kit is kept.
Spillages during desludging of the facility	Ensure pipe integrity has been tested prior to use and operator observes desludging process	Follow your spill response procedure. It describes what to do in the event of a spill and where the kit is kept.
Slow seepage of liquids from the treatment works	Slow seepage can be less noticeable than spills. Integrity of the treatment works will be tested. Treatment works will be maintained in line with manufacturer's instructions.	Follow your spill response procedure. It describes what to do in the event of a spill and where the kit is kept.
Releases of untreated sewage; due to faulty pipe work, valves, overpressure, blockages, pump failure, bad weather etc.	Visual inspection and completion of weekly inspection checklist record. Preventative maintenance regime. Any underground pipes and tanks will be tested for integrity.	Follow your spill response procedure. It describes what to do in the event of a spill and where the kit is kept
Sewage system stops working due to ingress of watercourse floodwater, water from blocked drains or burst mains, due to rising groundwater	Ensure that no surface water/floodwaters can enter the treatment works.	Flood procedure describing what to do in the event of a flood warning such as installation of barge boards, use of sand bags.
Treatment system stops working due to failure of electricity supply	<ul style="list-style-type: none"> <li>Provision of alarm on the treatment works to warn operators of power failure.</li> <li>Provision of back-up generator should the works require constant electricity to ensure adequate treatment.</li> </ul>	Utility supply failure procedure describing what to do in the event of services supply failure such as, start up of emergency generator.
Sewage systems leaks raw sewage due to containment failure caused by land movement, impact, corrosion etc	<ul style="list-style-type: none"> <li>Provision of secondary containment for hazardous liquids.</li> <li>Inspection of primary and secondary containment facilities.</li> </ul>	Follow your spill response procedure.

Unauthorised entry and tampering or malicious damage to the sewage treatment system and equipment	secure treatment works	Follow your spill response procedure.
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**Additional Notes**