

ASSET INVESTIGATION DETAILS			
SAP Asset Name:	BAGILLT GREENACRE DRIVE		Asset Template reference
Investigation Type	SOAF (River)		CM0168801-BAGILLT GREENACRE DRIVE - SSO-2363-Stage 1 - OC-Flinshire & Wrexham
Year of breach:	2019	Spill Trigger cause:	OC Continuation Restriction (Maintenance)
Year of Investigation:	2019	Investigation year performance:	67 Spills
Population of Asset	395	Modelled Performance:	Model not required for assessment
Permit Details			
Storm Permit ID:	CM0168801	Storm Permit Name:	BAGILLT GREENACRE DRIVE SSO
Asset NGR:	SJ2266274552	Waterbody ID	GB111067056940
Discharge NGR:	SJ2270074700	Water body Discharge location	'Ditch'
Brief description of asset (Screen, PFF flow control, Storage, outfall)			
Incoming Pipe: 150mm; CSO Type: High level pipe; PFF Pipe: 150mm; PFF control: None; Storage Provision: None; Consent: 'Not lower than the overflow setting on the date this permit was authorised.'			

SOAF STAGE 1						
Details of assessment:	Review of CSO and SPS As Builts and telemetry Records Review of Operational history. No requirement to undertake any hydraulic modelling.					
Permit Compliance						
PFF	Compliant					
Storage	Compliant					
Screening	N/A					
Bespoke/Other	N/A					
SOAF Stage 1 findings						
The recorded spill events for 2017 and 2018 were 1 and 6 respectively. The 2020 reported spill count is 9. The 67 spills in 2019 was due to a blockage which was cleared in March 2019. CSO Removed from Schedule; average over 5 years 17.2 spills						
Cause of spill count :	Other Cause	Yes	Catchment Hydraulic	No	Infiltration & IRP required	No
Future Operational Management Proposal:	None					
Operational intervention required:	None					
SOAF Operational Intervention						
Start Date:		Completion Date:		Indicative future annual spill performance (less than 40 do not continue to stage 2)		
Intervention Description:						
Proposed Completion Date:		Data years to be excluded from future SOAF triggers calculations		Request to hold stage 2 surveys for environment recovery		

SOAF STAGE 2					
Receiving Waterbody WFD Status					
Stage 2a					
Aesthetic survey:	Spring		Aesthetic Total score (inclusive of amenity classification, previous complaints & pollutions)		
	Autumn				
Stage 2b				Yes / No unable due to culverted watercourse	
Invertebrate survey:	Spring		Invertebrate survey score:		
	Autumn				
Stage 2c Required:				Yes / No	
Stage 2c screening:		Progressed through screening?		Stage 2c water quality assessment Score:	

SOAF STAGE 3 - STEP 1-3					
Options assessed			Traditional Storage		PFF Increase
Equivalent storage volume required			Rainscape Cost		CBR
Bespoke future trigger agreement			Traditional Storage		CBR
			Other		CBR
Key Constraints					
Future Active Management Proposal					

Conclusion and Future Spill Reduction Proposals				
Summary	<p>Based on the direction from the Welsh Government lead Better River Quality Task Force, DCWW Storm overflow spill recution programme will target the elimination of ecological harm and prevention of adverse ecological impact of any SO.</p> <p>With a large programme of assets requiring improvement priority will be given to CSOs having the greatest impact in the most sensitive receiving waters.</p> <p>To ensure that the improvement delivered is long term, the improvements for each site will be based on the expectation that water quality upstream of the discharge meets good or high ecological status (GES) irrespective of the actual status of the water.</p> <p>This approach has formed the basis of DCWW's portfolio investment plan for Storm Overflows.</p> <p>BAGILLT GREENACRE DRIVE SSO was Shown to have a other cause issue resulting in higher spills which are expected to reduce once a resolution has been implemented.</p> <p>Once the assets New spill performance is established, if this is shown to still be in excess of 10 the impact of the asset will be established as part of DCWW's Storm Overflow Water Quality Assesment Strategy (SOWQAS) in AMP8</p>			
	Asset Prioritisation Level	-	Detailed Design Predicted Period	-
	Asset NEP ID	N/A	Delivery Predicted Period	-
	Progression to Stage 5 In AMP	No	Proposed Solution yet to be taken through detailed design developed	

SOAF AGREEMENT					
	Date	SOAF STAGE	Name	Contact Details	Location of Output
DCWW Approval	26/06/2023	Stage 1 - OC	Christian Phillips Adams	christian.phillips@dcwm.gov.uk	NRW - Sharefile
Regulator Liaison Date	Click here to enter a date				
CSO Classification					
Satisfactory	Y	Unsatisfactory	-	Sub Standard	-
		Any operation in dry weather conditions?	N	Does not meet modern standards of engineering and aesthetic control for storm overflow structures set out in the British standard BS EN 752:2017 drain and sewer systems outside buildings	N
		Any operation in breach of permit conditions?	N	Does not have sufficient hydraulic capacity compared to accepted minimum design standards	N
		Any significant visual or aesthetic impact due to solids or sewage fungus?	N	Risks becoming unsatisfactory because discharges have increased beyond the original design due to infiltration, growth and urban creep	N
		Cause or significantly contributes to a deterioration in the biological or chemical status of the receiving water?	N		
		Causes or significantly contributes to failures in bathing water quality standards for identified bathing waters?	N/A		
		Causes or significantly contributes to failures in shellfish quality standards for identified shellfish waters	N/A		
		Causes or significantly contribute to failures in water quality standards in coastal and transitional waters?	N/A		
		Causes pollution of groundwater?	N/A		