

ASSET INVESTIGATION DETAILS			
SAP Asset Name:	GCG - D/s of Graig Road CSO		Asset Template reference BB3391FP-GCG - D/s of Graig Road CSO-52329- Stage 1 - OC-Neath Port Talbot
Investigation Type	SOAF (River)		
Year of breach:	2020	Spill Trigger cause:	OC Continuation Restriction (Maintenance)
Year of Investigation:	2021	Investigation year performance:	37
Population of Asset	3218	Modelled Performance: (DESIGN) / (CALIBRATED)	1 / 39
Permit Details			
Storm Permit ID:	BB3391FP	Storm Permit Name:	GCG - D/s of Graig Road
Asset NGR:	SN6962912555	Waterbody ID	GB41002G200600
Discharge NGR:	SN6962312552	Water body Discharge location	0
Brief description of asset (Screen, PFF flow control, Storage, outfall)			
Incoming Pipe: 300mm; CSO Type: high-level, double-sided weir; Screening: None; Flow Control: None; PFF Pipe: 300mm; Storage Provision: None; Consent: None - Deemed consent. SocA is 58.5l/s.			

SOAF STAGE 1					
Details of assessment:	Asset condition surveys supported by hydraulic model assessment of the asset performance against available telemetry information (EDM and radar rainfall datasets).				
Permit Compliance					
PFF	Design Compliant – Operational Intervention required to restore.				
Storage	N/A				
Screening	N/A				
Bespoke/Other	N/A				
SOAF Stage 1 findings					
<p>Primary Cause: OC Continuation Restriction (Maintenance) Secondary Cause: None</p> <p>Following the hydraulic model assessment, the cause of the high spills at the asset is concluded to be OC Continuation Restriction (Maintenance), with no secondary cause of spills. The model is fit for use, based on the reported spill numbers and telemetry trends.</p> <p>Grade 5 root masses downstream</p>					
Cause of spill count :	Other Cause	Yes	Catchment Hydraulic	No	Infiltration & IRP required
Future Operational Management Proposal:	The primary cause of the spills are operational factors that have been assessed as deliverable in the short term. The asset has been added to the SOAF Intervention programme with the details outlined below				
Operational intervention required:	Removal of grade 5 root masses downstream as well and repair of structural defects between SN69125701 and SN69125601				
SOAF Operational Intervention					
Start Date:	Jan-24	Completion Date:	TBC	Indicative future annual spill performance (less than 40 do not continue to stage 2)	1
Intervention Description:	A continuation restriction due to maintenance has been identified as a factor in excess spills at this asset. A cleanse of the sewerage network is required to restore compliant flows. This asset will be highlighted for future Cyclic Maintenance based upon the review of the post intervention return.				
Proposed Completion Date:	Jan-25	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	Rainscape		Traditional Storage	N	PFF Increase	Y/N
Equivalent storage volume required	-	Rainscape Cost		-	CBR	-
Bespoke future trigger agreement	40	Traditional Storage		-	CBR	-
		Other		-	CBR	-
Key Constraints						
Future Active Management Proposal						

Conclusion and Future Spill Reduction Proposals					
Summary	<p>GCG - D/s of Graig Road was Shown to have a other cause issue resulting in higher spills which are expected to reduce once a resolution has been implemented. 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 Assessment Strategy (SOWQAS) in AMP8</p>				
Asset Prioritisation Level	-			Delivery Predicted Period	-
Asset NEP ID	N/A	Asset NEP Driver Code	N/A	Detailed Design Predicted Period	-
Progression to Stage 5 In AMP	No	-			

SOAF AGREEMENT					
	Date	SOAF STAGE	Name	Contact Details	Location of Output
DCWW Approval	05/01/2024	Stage 1 - OC	Christian Phillips Adams	<a href="mailto:christian.phillipsadams@dwrcymru.com">christian.phillipsadams@dwrcymru.com</a>	Email
Regulator Liaison Date	<a href="#">Click here to enter a date</a>				
CSO Classification					
Satisfactory	N	Unsatisfactory	Y	Sub Standard	Y
		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	Y
		Any operation in breach of permit conditions?	Y	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?	-	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?	-		
		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