

Agreed Solution

Scheme Name: Western Valley Trunk Sewer CSO (Variation)

NOTE: THE DATA IN THE FOLLOWING TABLE WILL BE TAKEN AS THE INFORMATION EXPECTED ON THE CONSENT APPLICATION UNLESS AN AMENDMENT IS PROVIDED AND SIGNED OFF BY NRW STAFF.

Consent No.	Name	Discharge NGR	Present			Proposed			Screens (type & size)	No. of spills		Emergency provision	Comments (for NRW use)
			SOC A (l/s)	CSO Setting (l/s)	Storage	SOC A (l/s)	CSO Setting (l/s)	Storage		Current	Proposed		
AN0306001	Western Valley Trunk Sewer CSO	SI29548010	2,493	1,458 (existing consent) however circa 2,600 l/s has been passed forward since 2002	The consent requires 13,183m ³ of storage is utilised prior to discharge. In reality approximately 23,000m ³ is available but not able to be utilised due to height of weir wall. Also, due to insufficient drain down time between storms the tanks, they have part filled with settled sludge.	2,493	1,458 (1,303 + 155)	The proposed arrangement for the tanks will utilise at least 17,700m ³ of storage when the CSO outfall is tide-locked, over 4000m ³ more than current consent.	Huber RoK1 apertures no greater than 6 millimetres in two dimensions.	92* (based on 1,458 l/s PFF and full tank volume)	128	Yes	

* 92 spills annum is based on a PFF of 1,458 l/s and full tank volume- in this case a further 262,500m³ pa will be added from WV Tanks to the spill from Cardiff EDPS. The current number of spills since 2002 has been less due to an increased PFF of circa 2,600 l/s - in this case the spill volume from Cardiff EDPS will be increased somewhere towards 3,000,000m³ per annum.

ACCEPTED BY NRW

Name:



Jacob Birch, Rhymney & Ebbw NRM Team Leader

Date: 29/03/17