

Combined Sewer Overflows – from challenge to opportunity

Day 1 – Setting the context, 28 March 2023

Time	Topic	Format
9.30 – 9.40	Introduction to the training day	Plenary
9.40 – 9.55	Overview of CSOs in urban drainage and surface water management - Elliot Gill, Stantec <ul style="list-style-type: none"> • Simple overview of CSOs, the geographical context geographical • CSO function (what & how) • Interactions with surface water management • Challenges 	Plenary
9.55 – 10.10	CSO performance and data - Steve Kenny, United Utilities <ul style="list-style-type: none"> • What influences CSO operation/performance • What's the data telling us about spill frequency and volumes 	Plenary
10.10 – 10.30	Discussion and questions	Groups
10.30 – 11.00	Report back, discussion and questions	Plenary
11.00 – 11.20	Break	
11.20 – 11.40	CSOs the regulatory context – Phil Hulme, Environment Agency <ul style="list-style-type: none"> • Overview of regulation in relation to CSOs • Context for Storm Overflows Discharge Reduction Plan (SODRP), Water Industry National Environmental Plan (WINEP), Periodic Review (PR24) • What are the implications of regulations for the industry 	Plenary
11.40 – 11.55	Good practice to manage CSOs - Margaret Williams, Severn Trent Water <ul style="list-style-type: none"> • Approaches to manage CSOs • Overview of a couple of examples on BGI/NBS approaches to manage CSOS 	Plenary
11.55 – 12.15	Discussion and questions	Groups
12.15 – 12.50	Report back, discussion and questions for the morning	Plenary
12.50 – 13.00	Close	Plenary

Day 2 – Design examples, 29 March 2023

Time	Topic	Format
9.30 – 9.40	Introduction to the training day	Plenary
9.40 – 10.00	CSO design examples – setting the challenge <ul style="list-style-type: none"> • Overview presentation • Presentation of the challenge 	Plenary
10.00 – 10.15	Q&A	Plenary
10.15 – 10.55	Working on 2 examples in each group	Groups
10.45 – 11.05	Report back, discussion and questions	Plenary
11.05 – 11.25	Break	
11.25 – 11.35	CSO coastal design examples – setting the challenge <ul style="list-style-type: none"> • Overview presentation for coastal setting CSOs • Presentation of the challenge 	Plenary
11.35 – 11.45	Q&A	Plenary
11.45 – 12.10	Working on 1 example in each group	Groups
12.10 – 12.30	Report back, discussion and questions	Plenary
12.30 – 13.00	Discussion and questions	Plenary
13.00	Close	