

# Drainage and wastewater management plan

## Appendix B – Glossary and references

Wessex Water

30 June 2022 (draft)



**Wessex Water**

YTL GROUP

## Annex H. Glossary and References of related documents

This Annex is also available to download as a separate document for ease of reading and reference. Please go to our DWMP website technical appendices.

### Glossary of terms

Acronym	Full	Description
12/24	12/24-hour spill counting technique for overflows defined by the EA	The storm overflow spill frequency calculation uses this to say roughly how many days a year storm overflows discharge.
AMP7, AMP8 etc.	Asset Management Plan	5-year Asset Management Plan starting in AMP7 (PR19) started in 2015, AMP8 (PR24) starts in 2025 etc.
BaNES	Bath and North East Somerset	BaNES is a unitary council area
BACP	Bristol Avon Catchment Partnership	
BART	Bristol Avon Rivers Trust	
BCP	Bournemouth, Christchurch and Poole	BCP unitary council
BRAVA	Baseline Risk and Vulnerability Assessment	A stage in the DWMP framework that assesses of the risks for each sewer catchment to understand the current system performance and future vulnerabilities against various planning objectives
CaBA	catchment based approach	
CAF	Capacity assessment framework	A 21 <sup>st</sup> Century drainage/WaterUK that assesses the available and future capacity within a sewer system to cope with current and future pressures.
Capex	Capital expenditure	
CBA	Cost benefit analysis	
CBR	Cost benefit ratio	
CCTV	Closed-circuit television	CCTV equipment used for inspecting sewers etc.
CCWater	Consumer Council for Water	Statutory consumer body for the water industry. CCWater represent the interests of our customers.
CIPP	Cured in Place Pipelining	
CIWEM	Chartered Institution of Water and Environmental Management	
Consent	See 'Permit'	

Creep	Urban creep	Development at a small scale that increases impermeable areas, e.g. where over time gardens are paved over to make driveways.
CSO	Combined Sewer Overflow	These are now called storm overflows
DAP	Drainage Area Plan	DAPs were the name of previous planning frameworks before the DWMP
DCLG	Department for Communities and Local Government	Now called the Ministry of Housing, Communities and Local Government (MHCLG).
DEFRA	Department for Environment, Food & Rural Affairs	Government department covering the water and environment sectors
DST	decision support tools	
DWF	Dry weather flow	DWF is the average daily flow to a wastewater treatment works during a period without rain. It can be expressed as an average flow or a daily volume. DWF normally excludes seasonal groundwater inundation.
DWMP	Drainage and wastewater management plan	Long term planning framework setting out how water companies must extend, improve, and maintain a robust and resilient drainage and wastewater system. The Environment Act calls this the Drainage and sewerage management plan. DWMP are produced in partnership with other stakeholders.
DWMP portal	Drainage and wastewater management plan portal	The Wessex Water geospatial viewing platform hosted on our website
EA	Environment Agency	WaSC environmental regulator
EDM	Event duration monitoring	This equipment monitors storm overflow spill durations to calculate the 12/24 spill counts
ELMS	Environmental Land Management Scheme	
EO	Emergency Overflow	An overflow which is Permitted to operate when assets fail
FCERM	Flood and Coastal Erosion Risk Management	
FE	Final Effluent	Treated discharges from WRC to the environment
FFT	Flow to full treatment	Flow being treated by the WRC
FIO	faecal indicator organisms	these are types of bacteria found in mammal intestines that are both common, easy to cultivate and survive well outside of their natural environment
FRMP	Flood risk management plan	EA produce FRMP in partnership with other stakeholders

FSO	Frequently spilling overflow	Storm overflows that are deemed to be spilling too frequently. The threshold of frequent is being reviewed by Defra.
FOC	Flooding other causes	Flooding of properties or areas by sewage that is not the result of hydraulic overload (rainfall) but caused by other issues such as blockages (e.g. due to wet wipes, fat, oils and grease), tree roots or mechanical failures
FOG	Fats, oils and grease	FOG should not be put down sinks because when it cools it coagulates and clogs up sewers causing flooding and odour issues.
FTS	First time sewage	Section 101a of the industry act requires, and if viable, for sewerage companies to connect wastewater from private properties which are or could be causing pollution.
GIS	Geographic Information System	Geospatial viewing software. An example is our DWMP portal on our website.
GO	generic options	
HACP	Hampshire Avon Catchment Partnership	
Hydraulic capacity	Hydraulic capacity	Hydraulic incapacity that could be a hydraulic flood risk
Hydraulic model	Hydraulic computer model of the sewerage network or WRC	Computers are used to replicate sewer network performance in DWF and typical or extreme rainfall scenarios. They are used to predicted what options would resolve storm overflow and flooding risks.
HRA	Habitats regulations Assessment	
Hydraulic overload	Hydraulic overload	When a sewer is overwhelmed by incoming flows (rainfall/groundwater).
IDB	Internal Drainage Boards	
Level 1	Level 1	Wessex area
Level 2	Level 2	Catchment partnership area
Level 3	Level 3	WRC catchment area
ModeFronteer	ModeFronteer	
MCERTS	Monitoring certification scheme	Equipment that is calibrated and certified annually
LLFA	Lead local flood authorities	RMA Responsible for all local flood risk
MHCLG	Ministry of Housing, Communities and Local Government	Formerly called DCLG, has a role in to supporting local development and promoting economic growth
My Maintenance		WW job scheduling and recording system used across the sewerage network. Some functions have moved to WAM in recent years.
NFM	natural flood management	

NIC	National Infrastructure commission	The NIC assesses infrastructure needs, reported in the National Infrastructure Assessment, and recommends action to the government.
NIRS	National incident recording system	EA records of pollution incidents
NRV	Non-return valve	Valves that prevent backing up from surcharged sewers
ODA	Options Development and Appraisal	Stage in the DWMP framework to assess the options to the issues prioritised in previous stages.
OFWAT	The Water Services Regulation Authority	Body responsible for economic regulation of WaSC
OFWG	Operational Flood Working Group	Chaired by BaNES
Opex	Operational expenditure	
Optimatics	Optimatics	Optimatics DST
pe	Population equivalent	This includes domestic population and the flows from commercial properties and trade effluents (converted to population equivalent)
Permit	Environmental permit	Formerly referred to as consent, the EA document which sets out legal conditions associated with the operation of an asset, e.g. a pumping station, storm overflow, WRC etc..
PFF	Pass forward flow	Flow rate that is pumped forward to treatment (for pumping stations)
PFR	Property flood resilience	
PIRP	Pollution incident reduction plan	
PO	Planning objective	A performance or activity measure used in the DWMP framework
PHCI	Poole Harbour Catchment Initiative	
PR24	Periodic review 2024	Business plan submission to Ofwat in 2024 for the next 5-year AMP cycle (e.g. PR24 relates to the eighth submission, hence AMP8 covers 2025 to 2030)
Problem Characterisation	Problem Characterisation	Stage in the DWMP framework to ask how big the problem is and how difficult would it to resolve, at a level 3. Determines the level of optioneering required (standard, extended or complex).
Qnn	Percentage quartile	The nn <sup>th</sup> percentile (may refer to river flow, or pollutant concentration)
RAPID		WW's customer incident reporting and management system

RBC	River basin catchment	DWMP Level 2 area, which represent the watershed of a catchment.
RBCS	Risk Based Catchment Screening	An early stage in the DWMP framework to screen out catchments that don't have risk. Catchments with risk go to the BRAVA stage.
RBMP	river basin management plans	
Rising mains	Rising mains	Pipes that convey pressurised flows from SPS.
RMA	Risk management authority	RMAs have specific responsibilities for flood and coastal erosion risk management. They are defined in the FWMA2010 and include a number of organisations such as the Environment Agency, lead local flood authorities, unitary (or district) councils, Internal Drainage Boards, Highways England and water and sewerage companies.
SMF	Service Measure Framework	
RNAG	reasons for the waterbodies not achieving good ecological status	
SiteID	Unique asset identification number	Wessex Water 5- or 6-digit identifier for sites, e.g. pumping stations, storm overflows, treatment works etc.
Storm overflow	Storm overflow	Storm overflows are permitted assets that act as relief mechanism to prevent flooding during heavy rainfall.
Stormpac	Stormpac	Software for producing time series of rainfall data
SCI	Stour Catchment Initiative	
SMP	Shoreline management plan	
SOAF	Storm overflow assessment framework	Framework published in 2018 to address FSOs. This is likely to be superseded / updated by Defra's new policy.
SPS	Sewage pumping station	SPS lifts sewage from the low spot in a catchment through rising mains to another location.
SSO	Settled storm overflow	SSOs are usually storm tanks at a WRC but can be in the networks. The storage reduces the load of the discharge by setting the solids so cleaner water discharges.
STW	Sewage Treatment Works	STW are now known as Water Recycling Centres
SuDS	Sustainable urban Drainage Systems	SuDS are sustainable surface water management measures to keep rainfall close to where it lands, so it doesn't enter sewers.

		SuDS can mimic natural drainage through infiltration, attenuation, and passive treatment.
SWPS	Surface water pumping station	Pumps surface water flow, not sewage.
SWIMS	Sewage Waste Information Management Systems database	WW software that visualises the flow data at some WRC and SPSs
T&F	Task and finish	Task and finish group
Totex	Total expenditure	Includes capex and opex costs in a 5-year cycle
UDG	Urban Drainage Group	CIWEM UDG
UKWIR	UK water industry research	Water research
UPM	urban pollution management	Study uses water quality sampling data and computer modelling (e.g. UPM Rat, Sagis, SIMpol) to verify water quality impact of sewers
ViewPoint	Viewpoint is software package provided by Esri	A browser-based GIS used by WW for viewing sewer records and the portal
WAM	Work and asset management system	WW's service optimisation and asset lifecycle management system
WaSC	Water and Sewerage Companies	Water companies that provide both water supply and wastewater services to customers in their region.
WDRCS	West Dorset Rivers and Coastal Streams	
WIF	Waste Information Form	A summary of an incident managed with RAPID
WINEP	Water industry national environment programme	
WR FCC	Wessex Regional Flood and Coastal Committee	
WW	Wessex Water	The WaSC covering the Wessex area
WQM	Water quality modelling	
WRC	Water Recycling Centre	WRCs were formally known as sewage treatment works
WRMP	Water Resources Management Plan	Long term plan for the water resources side of the WaSC business.

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