

United Utilities Water

DRAFT Drainage and Wastewater Management Plan 2023

Acronyms

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AACE	American Association of Cost Engineering	DWMP	Drainage and Wastewater Management Plan (2023, 2028)
AI	Artificial Intelligence	DWMP23	Drainage and Wastewater Management Plan (2023, 2028)
AMP	Asset Management Plan	DWMP28	Drainage and Wastewater Management Plan (2023, 2028)
ASP	Activated Sludge Processes	DWPP	Diffuse Water Pollution Plan
BAH	Baseline Asset Health	EDM	Event Duration Monitoring
BAS	Board Assurance Statement	EPA	Environmental Performance Assessment
BGS	British Geological Survey	ERA	Environmental Regulatory Advisors
BOD	Biochemical Oxygen Demand	ESCG	Your Voice Environmental and Social Capital Sub-Group
BoQ	Bill of Quantities	ETM	Enhanced Targeted Maintenance
BRAVA	Baseline Risk and Vulnerability Assessment	FCERM	National Flood and Coastal Erosion Risk Management
BW	Bathing Waters	FE	Final Effluent
CaBA	Catchment Based Approach Catchment Plan	FOC	Flooding Other Causes
CACI	Consolidated Analysis Centers Inc	FOG	Fats, Oils and Grease
CAF	Capacity Framework Assessment	FRMP	Flood Risk Management Plan
Capex	Capital Expenditure	FWMA	Flood and Water Management Act
CaST	Catchment Systems Thinking	FY	Financial Year
CastCo	Catchment Systems Thinking Cooperative	GDPR	General Data Protection Regulation
CBA	Cost Benefit Assessment	GMCA	Greater Manchester Combined Authority
CCC	Cumbria County Council	GSP	Geospatial Platform
CCG	Customer Challenge Group	HA	Highways Agency
CCPP	Centrifugally Cast Concrete Pipe	HFRR	Hydraulic Flood Risk Resilience
CDD	Cistern Displacement Devices	HRA	Habitats Regulation Assessment
CEH	Centre for Ecology and Hydrology	ICE	Institution of Civil Engineers
CEO	Chief Executive Officer	IDAS	Integrated Drainage Assessment Study
CIP	Chemical Investigations Programme	IPES	Investment Programme Estimating System
CNB	Catchment Nutrient Balancing	JRP	JR Pridham
COD	Chemical Oxygen Demand	LLFA	Lead Local Flood Authority
CORINE	COoRdinate INformation on the Environment	LPA	Local Planning Authority
CY	Calendar Year	MEPAS	Mersey Estuary Pollution Alleviation Scheme
DIA	Developer Impact Assessment	MLG	Major Landowner Group
DNM	Dynamic Network management	MON3	Monitoring Programme 3
DNO	District Network Operator	MON4	Monitoring Programme 4
DO	Dissolved Oxygen	NBS	Nature-Based Solutions
DS	Downstream	NBS PoW	Nature-Based Solutions Programme of Work
DWF	Dry Weather Flow	NE	Natural England
DWMP SG	DWMP Steering Group	NEIRF	Natural Environment Investment Readiness Fund
		NEP	National Environment Programme
		NFM	Natural Flood Management
		NGO's	Non-Governmental Organisations
		NIC	National Infrastructure Commissions
		NPV	Net Present Value

NRW	Natural Resources Wales	SOAF	Storm Overflow Assessment Framework
NWEBS	National Water Environment Benefits Survey	SOEP	Storm Overflow Evidence Project
ODI	Outcome Delivery Incentives	SPA	Strategic Planning Area
OMS	Operations Management System	SPG	Strategic Planning Group
ONS	Office of National Statistics	SPV	Special Purpose Vehicle
Opex	Operational Expenditure	SS	Suspended Solids
PC	Problem Characterisation	SSA	Secondary Screening Assessment
PCC	Per Capita Consumption	SSG	Strategic Steering Group
PCs	Performance Commitments	SSP	Sewer Serviceability Programme
PCS	Principal Construction Supervisor	SSSI	Sites of Special Scientific Interest
PE	Population Equivalent	SuDS	Sustainable Drainage Systems
PFD	Process Flow Diagram	SW	Surface Water
PFF	Pass Forward Flow	SWMP	Surface Water Management Plan
PIN	Periodic Indicative Notice	tDS	tonnes Dry Solids
PIONEER	Proactive Identification and Optimisation of Expenditure and Evaluation of Risk - decision support tool	TFG	DWMP Options Development Task and Finish Group
PLR	Property Level Resilience	TKN	Total Kjeldahl Nitrogen
PO	Planning Objective	Totex	Total Operational Expenditure
PoDFather	Proof of Delivery - Software system	TPU	Tactical Planning Unit
POS	Public Open Spaces	TRG	Technical Review Group
PR19	Price Review 2019	UIA	EU Urban Innovation Action
PR24	Price Review 2024	UKCP09	United Kingdom Climate Projections 2009
RAG	Red/Amber/Green (status)	UKCP18	United Kingdom Climate Projections 2018
RBCS	Risk Based Catchment Screening	UKWIR	UK Water Industry Research
RBMP	River Basin Management Plan	US	Upstream
RCP8.5	Representative Concentration Pathway 8.5 - future emission scenarios	UUW	United Utilities Water
REDUP	Rainfall Event Duration Uplift	UUWTD	Urban Wastewater Treatment Directive
RFCC	Regional Flood and Coastal Committee	VSP	Very Small Programme
RIAP	Regional Integrated Asset Planning	WaSC	Water and Sewage Company
RMA	Risk Management Authority	WEF	Water Environment Federation
RNAG	Reasons for Not Achieving Good	WFD	Water Framework Directive
SAC	Special Area of Conservation	WFD_IMP	Water Framework Directive Improvement
SAGIS	Source Apportionment Geographical Information System	WFD_ND	Water Framework Directive No Deterioration
SAS	Surplus Activated Sludge	WINEP	Water Industry National Environment Programme
SCaMP	Sustainable Catchment Management Programme	WISER	Water Industry Strategic Environmental Requirements
SDA	Sub-drainage area	WLC	Whole Life Cost
SEA	Strategic Environmental Assessment	WNTF	What Not to Flush
SIMCAT	SIMulation of CATchments	WRMP	Water Resources Management Plan (2019, 2024)
SIP	Site Improvement Plan	WRMP19	
SLA	Service Level Agreement	WRMP24	
SME	Subject Matter Experts	WwTW	Wastewater Treatment Works
SMP	Shoreline Management Plan		

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Water for the North West