Summary of Critical Results by Maximum Level (Rank 1) for Surface Network 2

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	1
Number of Online Controls	2	Number of Time/Area Diagrams	0
Number of Offline Controls	1	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.360
Region	England and Wales	Cv (Summer)	1.000
M5-60 (mm)	18.000	Cv (Winter)	1.000

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	OFF
Inertia Status	OFF

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	100
Climate Change (%)	45

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.000	MH 01	480 Winter	100	+45%	100/120 Summer			
1.001	MH 02	480 Winter	100	+45%	100/120 Summer			
1.002	MH 03	480 Winter	100	+45%	100/120 Summer			
1.003	MH 04	480 Winter	100	+45%	100/120 Summer			
1.004	MH 05	480 Winter	100	+45%	100/120 Summer			
2.000	S9	480 Winter	100	+45%	100/240 Summer			
2.001	S8	480 Winter	100	+45%	100/240 Summer			
1.005	MH 06	480 Winter	100	+45%	100/60 Summer		100/240 Summer	8
1.006	MH 07	480 Winter	100	+45%	100/60 Summer			
1.007	MH 08	480 Winter	100	+45%	100/15 Summer			

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
1.000	MH 01	58.947	0.870	0.000	0.01			16.6	SURCHARGED
1.001	MH 02	58.947	0.932	0.000	0.01			16.2	SURCHARGED
1.002	MH 03	58.947	1.079	0.000	0.01			18.1	SURCHARGED
1.003	MH 04	58.947	1.133	0.000	0.02			20.7	SURCHARGED

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PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m^3)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
1.004	MH 05	58.947	1.160	0.000	0.01			15.8	SURCHARGED
2.000	S9	58.878	1.602	0.000	0.36			4.6	SURCHARGED
2.001	S8	59.093	1.858	0.000	0.59			8.3	SURCHARGED
1.005	MH 06	58.947	1.264	0.000	0.01	14.4		12.0	SURCHARGED
1.006	MH 07	58.944	1.341	0.000	0.01			8.3	SURCHARGED
1.007	MH 08	58.945	2.435	0.000	0.35			4.9	SURCHARGED

PN	US/MH Name	Level Exceeded
1.000	MH 01	
1.001	MH 02	
1.002	MH 03	
1.003	MH 04	
1.004	MH 05	
2.000	S9	
2.001	S8	
1.005	MH 06	
1.006	MH 07	
1.007	MH 08	

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