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)	30
Climate Change (%)	0

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	MH 01	360 Winter	30	+0%					57.381
1.001	MH 02	360 Winter	30	+0%					57.381
1.002	MH 03	360 Winter	30	+0%					57.381
1.003	MH 04	360 Winter	30	+0%					57.381
1.004	MH 05	360 Winter	30	+0%					57.381
2.000	S9	15 Summer	30	+0%					57.126
2.001	S8	15 Summer	30	+0%					57.085
1.005	MH 06	360 Winter	30	+0%				0	57.381
1.006	MH 07	360 Winter	30	+0%					57.381
1.007	MH 08	360 Winter	30	+0%	30/15 Summer				57.381

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	MH 01	-0.696	0.000	0.01			11.0	OK	
1.001	MH 02	-0.634	0.000	0.01			12.0	OK	
1.002	MH 03	-0.487	0.000	0.01			12.8	OK	
1.003	MH 04	-0.433	0.000	0.02			13.2	OK	

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PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m^3)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
1.004	MH 05	-0.406	0.000	0.01			11.9	OK	
2.000	S9	-0.150	0.000	0.00			0.0	OK	
2.001	S8	-0.150	0.000	0.00			0.0	OK	
1.005	MH 06	-0.302	0.000	0.01	0.0		8.2	OK	
1.006	MH 07	-0.222	0.000	0.01			6.1	OK	
1.007	MH 08	0.871	0.000	0.25			3.5	SURCHARGED	

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