

# CONSORZIO DI BONIFICA 2 - PALERMO

UTILIZZAZIONE INTEGRALE DELLE ACQUE INVASATE NEL  
SERBATOIO DI GARCIA SUL FIUME BELICE SINISTRO

OPERE DI DISTRIBUZIONE IRRIGUA  
SOLLEVAMENTO E DISTRIBUZIONE ZONA IVa  
I LOTTO FUNZIONALE  
STRALCIO

## PROGETTO ESECUTIVO

Titolo:

RELAZIONE DI CALCOLO  
SOLLECITAZIONI DI MOTO VARIO

All.

R.3.1

Data

SETTEMBRE 2022

Scala

Codice

143-E-GAR

I PROGETTISTI Dott. Ing. LUIGI DE BONI

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IL RESPONSABILE UNICO  
DEL PROCEDIMENTO

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MILANO

STUDIO CUCCARO - ECOMAR s.r.l.  
ROMA

# **CONSORZIO DI BONIFICA 2**

**PALERMO**

**UTILIZZAZIONE INTEGRALE DELLE ACQUE INVASATE NEL  
SERBATOIO DI GARCIA SUL FIUME BELICE SINISTRO**

**IMPIANTO IRRIGUO DAGALE-RENELLI  
OPERE DI ALIMENTAZIONE E DISTRIBUZIONE**

**PROGETTO ESECUTIVO**

***R03 Relazione di calcolo sollecitazioni di moto vario***

## INDICE

1	Criteri di calcolo.....	3
2	Risultati di calcolo.....	7

**Allegato A – Report sintetico di calcolo**

**Allegato B – Report dettagliato codice di calcolo**

## 1 Criteri di calcolo

Si è provveduto ad effettuare una analisi delle sollecitazioni di moto vario della condotta premente dalla torre di presa nel Lago Garcia fino alla vasca Renelli.

I calcoli sono stati effettuati utilizzando il codice di calcolo Bentley Hammer V8i, prodotto da Bentley Systems Inc.

Il modello di calcolo adottato è riportato nella **Errore. L'origine riferimento non è stata trovata.** con sovrapposizione su orto foto della zona dove è ubicata la condotta mentre nella Tabella 1 sono riportate le caratteristiche della condotta premente.

In particolare si segnala che l'organo di protezione dalla sollecitazioni di moto vario costituito da Cassa d'aria del volume complessivo di 15.000 lt (denominata nel modello HT-1 è posizionato in corrispondenza dello edificio di comando (dove sono alloggiate le apparecchiature di trasformazione e di comando delle elettropompe e relativi accessori).

Per quanto attiene i materiali della condotta:

- I tratti di collegamento alle elettropompe sono previsti in acciaio e sono di nuova esecuzione
- per il tratto di condotta premente dalla torre di presa fino al termine del cunicolo, ubicato in corrispondenza dell'edificio comandi (vertice V1), si utilizzerà la condotta esistente in acciaio del diametro di 1200 mm con relining mediante tubo in resina poliestere rinforzata con fibre di vetro, del diametro esterno di 1000 mm e del diametro interno di 956 mm
- si prevede una tubazione in ghisa sferoidale del diametro di 1200 mm per la parte rimanente interrata.

Con riferimento alle sollecitazioni di moto vario la condizione più gravosa di esercizio è costituita dal distacco brusco delle elettropompe per interruzione nell'alimentazione elettrica.

Infatti nelle condizioni di esercizio ordinario la partenza e l'arresto della elettropompe vengono effettuati rispettivamente con una rampa progressiva di accelerazione e con una rampa di decelerazione utilizzando l'inverter previsto a corredo di ciascuna delle quattro elettropompe.

Le elaborazioni vengono eseguite dal codice di con la seguente procedura:

- Note le caratteristiche della condotta e la portata da sollevare è stata ricavata la curva complessiva congruente delle pompe e le condizioni iniziali.
- a partire da dette condizioni sono state calcolate le sollecitazioni di moto vario per fermo delle elettropompe.



Figura 1- Modello di calcolo condotta premente su orto foto del tracciato

	Label	Length (Scaled) (m)	Length (User Defined) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Wave Speed (m/s)
58: P-1	P-1	215	1	R-4	PMP-1	495,4	Steel	140,0	1.014,77
59: P-2	P-2	178	1	R-4	PMP-2	495,4	Steel	140,0	1.014,77
60: P-3	P-3	207	1	R-4	PMP-3	495,4	Steel	140,0	1.014,77
61: P-4	P-4	216	25	PMP-1	J-1	495,4	Steel	140,0	1.014,77
62: P-5	P-5	190	25	PMP-2	J-1	495,4	Steel	140,0	1.014,77
63: P-6	P-6	192	25	PMP-3	J-1	495,4	Steel	140,0	1.014,77
66: P-7	P-7	359	234	J-1	J-2	956,0	Syntheti...	130,0	764,62
67: P-8	P-8	363	163	J-2	J-3	956,0	Syntheti...	130,0	764,62
68: P-9	P-9	155	38	J-3	J-4	956,0	Syntheti...	130,0	764,62
69: P-10	P-10	123	18	J-4	J-5	1.199,2	Cast iron	130,0	764,62
70: P-11	P-11	137	46	J-5	J-6	1.199,2	Cast iron	130,0	764,62
71: P-12	P-12	135	35	J-6	J-7	1.199,2	Cast iron	130,0	764,62
72: P-13	P-13	140	89	J-7	J-8	1.199,2	Cast iron	130,0	764,62
73: P-14	P-14	116	62	J-8	J-9	1.199,2	Cast iron	130,0	764,62
74: P-15	P-15	91	46	J-9	J-10	1.199,2	Cast iron	130,0	764,62
75: P-16	P-16	66	46	J-10	J-11	1.199,2	Cast iron	130,0	764,62
76: P-17	P-17	64	54	J-11	J-12	1.199,2	Cast iron	130,0	764,62
77: P-18	P-18	83	52	J-12	J-13	1.199,2	Cast iron	130,0	764,62
78: P-19	P-19	78	116	J-13	J-14	1.199,2	Cast iron	130,0	764,62
79: P-20	P-20	105	125	J-14	J-15	1.199,2	Cast iron	130,0	764,62
80: P-21	P-21	78	33	J-15	J-16	1.199,2	Cast iron	130,0	764,62
81: P-22	P-22	94	63	J-16	J-17	1.199,2	Cast iron	130,0	764,62
82: P-23	P-23	81	57	J-17	J-18	1.199,2	Cast iron	130,0	764,62
83: P-24	P-24	88	43	J-18	J-19	1.199,2	Cast iron	130,0	764,62
84: P-25	P-25	79	41	J-19	J-20	1.199,2	Cast iron	130,0	764,62
85: P-26	P-26	82	18	J-20	J-21	1.199,2	Cast iron	130,0	764,62
86: P-27	P-27	100	5	J-21	R-5	1.199,2	Cast iron	130,0	764,62
91: P-28	P-28	128	5	HT-1	J-3	495,4	Steel	140,0	1.014,77

Tabella 1- Caratteristiche della condotta premente

Le perdite di carico calcolate per determinare la condizione iniziale per le sollecitazioni di moto vario sono riportate nella tabella seguente.

Tabella 2- Perdite di carico condotta premente

Length (m)	Diameter (mm)	Velocity (m/s)	Headloss (m)	Material	Hazen Williams C	Label	Hydraulic Grade (Start) (m)
1	495,4	2,63	0,01	Steel	140	P-1	178
1	495,4	2,63	0,01	Steel	140	P-2	178
1	495,4	2,63	0,01	Steel	140	P-3	178
25	495,4	2,63	0,25	Steel	140	P-4	293,88
25	495,4	2,63	0,25	Steel	140	P-5	293,88
25	495,4	2,63	0,25	Steel	140	P-6	293,88
234	956	2,12	0,82	ynthetic m	130	P-7	293,63
163	956	2,12	0,57	ynthetic m	130	P-8	292,81
38	956	2,12	0,13	ynthetic m	130	P-9	292,24
18	1.199,20	1,35	0,02	Cast iron	130	P-10	292,1
46	1.199,20	1,35	0,05	Cast iron	130	P-11	292,08
35	1.199,20	1,35	0,04	Cast iron	130	P-12	292,03
89	1.199,20	1,35	0,1	Cast iron	130	P-13	291,99
62	1.199,20	1,35	0,07	Cast iron	130	P-14	291,89
46	1.199,20	1,35	0,05	Cast iron	130	P-15	291,81
46	1.199,20	1,35	0,05	Cast iron	130	P-16	291,76
54	1.199,20	1,35	0,06	Cast iron	130	P-17	291,71
52	1.199,20	1,35	0,06	Cast iron	130	P-18	291,64
116	1.199,20	1,35	0,14	Cast iron	130	P-19	291,58
125	1.199,20	1,35	0,15	Cast iron	130	P-20	291,45
33	1.199,20	1,35	0,04	Cast iron	130	P-21	291,3
63	1.199,20	1,35	0,07	Cast iron	130	P-22	291,26
57	1.199,20	1,35	0,07	Cast iron	130	P-23	291,19
43	1.199,20	1,35	0,05	Cast iron	130	P-24	291,12
41	1.199,20	1,35	0,05	Cast iron	130	P-25	291,07
18	1.199,20	1,35	0,02	Cast iron	130	P-26	291,03
5	1.199,20	1,35	0,01	Cast iron	130	P-27	291,01
<b>1462</b>			<b>3,4</b>				

La variazione della prevalenza geodetica del sollevamento è illustrata nel seguente prospetto.



<b><i>Variazione prevalenza del sollevamneto</i></b>			
Quota Lago Garcia	massima	msm	194,00
	minima	msm	178,00
Quota Vasca Renelli	massima	msm	290,80
	minima	msm	285,50
<b><i>Prevalenza geodetica del sollevamneto</i></b>	<b><i>massima</i></b>	<b><i>msm</i></b>	<b><i>112,80</i></b>
	<b><i>minima</i></b>	<b><i>msm</i></b>	<b><i>91,50</i></b>

La prevalenza totale assunta per le elettropompe nei calcoli di moto vario ha un valore massimo di  $112,80 + 3,40 = 116,20$  m.

Le elettropompe previste hanno la possibilità di funzionare fino ad una prevalenza massima di 120 m.

Per far fronte alle notevoli variazioni, soprattutto di prevalenza geodetica, le elettropompe funzioneranno a velocità variabile, grazie all'azionamento mediante inverter, con ottimizzazione dei consumi energetici.

## 2 Risultati di calcolo

Nella

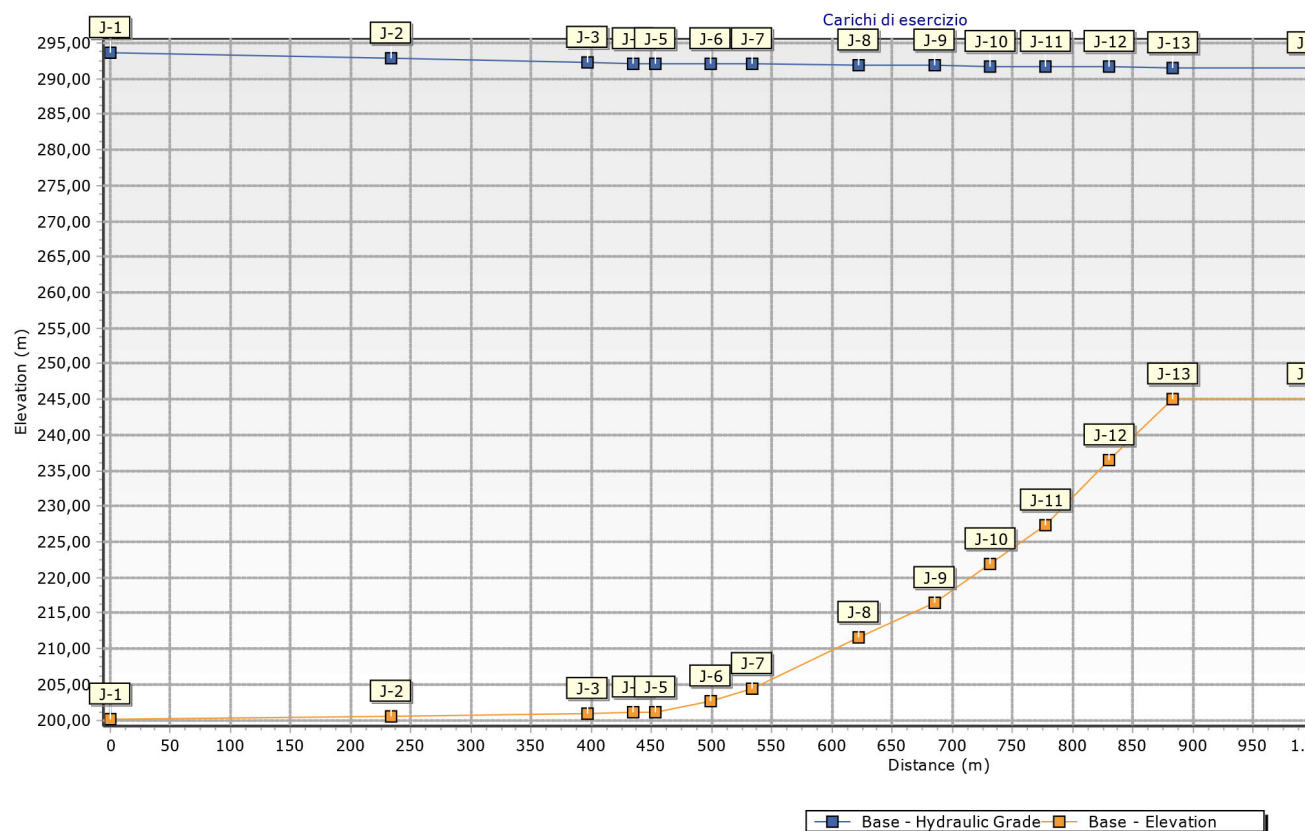




Figura 2 sono riportati i carichi idraulici lungo la condotta a regime, mentre nella Figura 3 sono riportate le pressioni massime e minime per stacco improvviso delle tre elettropompe per mancanza di energia elettrica.

Nelle figure da 4 a 8 sono riportati alcuni parametri significativi in punti caratteristici del sistema.

In particolare la pressione massima al piede della condotta è pari a 14 bar mentre la pressione minima è pari a 4 bar.

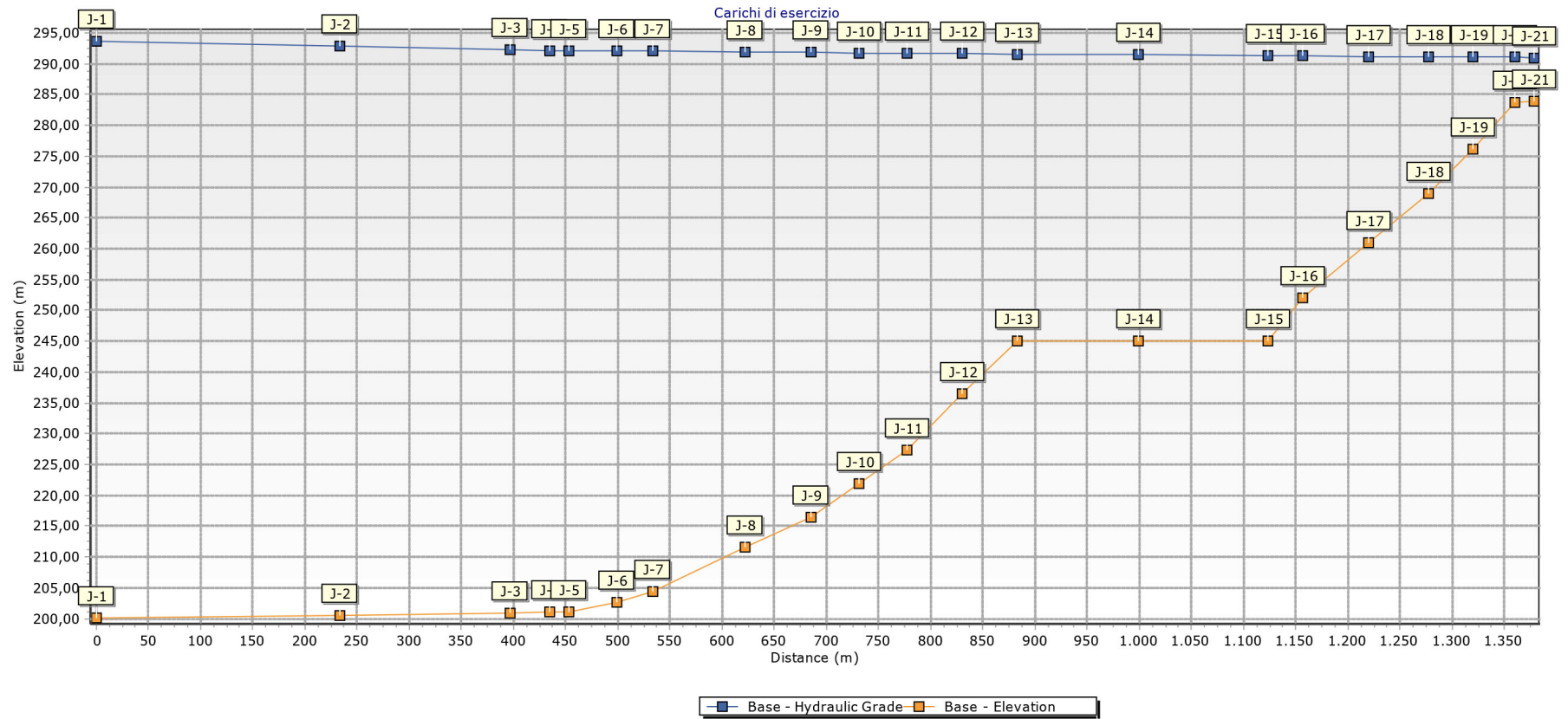


Figura 2 - Carichi di esercizio condotta premente

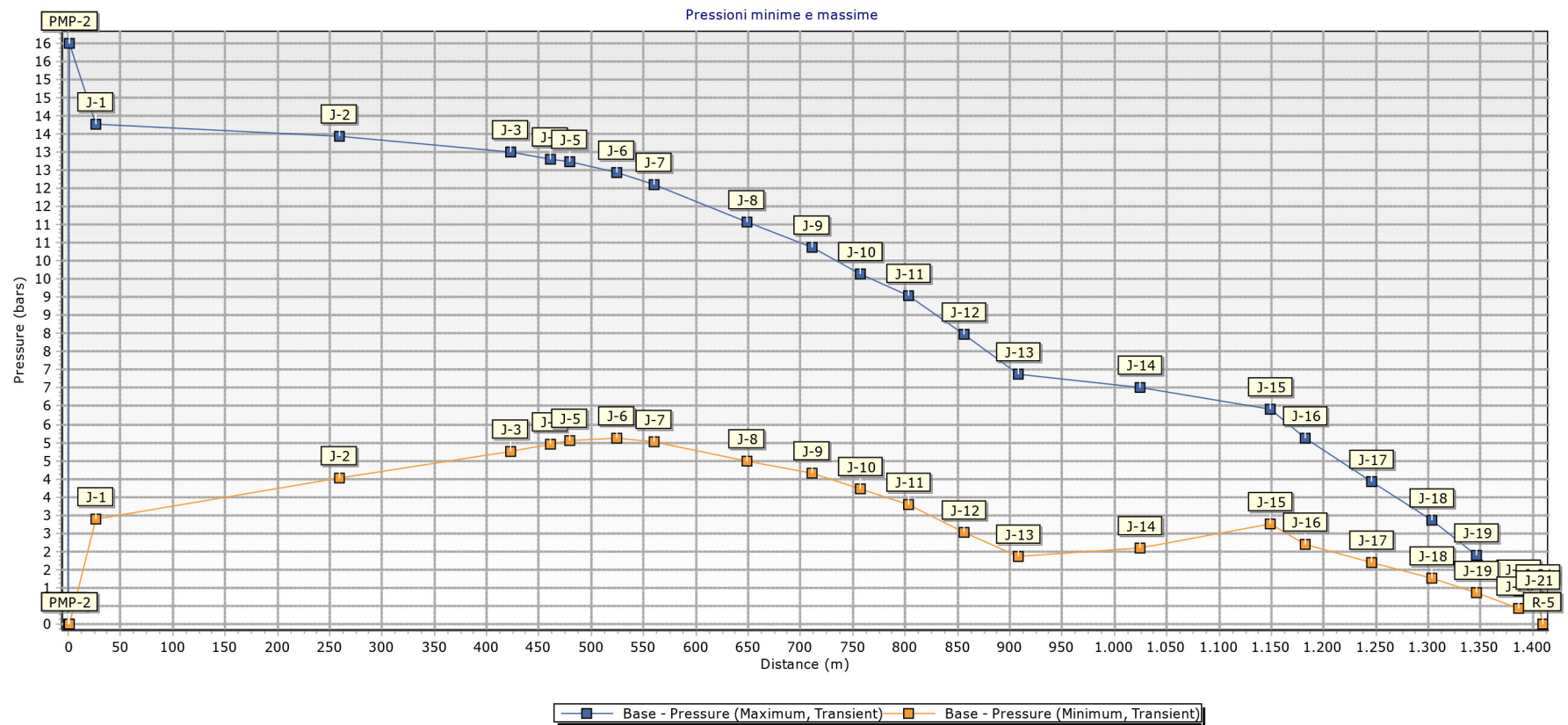


Figura 3- Pressioni massime e minime lungo la condotta

### Extreme Pressures and Heads

End Point	Upsurge Ratio	Max. Pressure (bars)	Min. Pressure (bars)	Max. Head (m)	Min. Head (m)
P-1:R-4	0,000	0	0	178,00	178,00
P-1:PMP-1	3,250	0	0	179,77	177,33
P-2:R-4	0,000	0	0	178,00	178,00
P-2:PMP-2	3,250	0	0	179,77	177,32
P-3:R-4	0,000	0	0	178,00	178,00
P-3:PMP-3	3,250	0	0	179,77	177,32
P-4:PMP-1	1,400	16	5	340,55	226,60
P-4:J-1	1,500	14	3	340,54	229,80
P-5:PMP-2	1,400	16	5	340,55	226,60
P-5:J-1	1,500	14	3	340,54	229,80
P-6:PMP-3	1,400	16	5	340,55	226,60
P-6:J-1	1,500	14	3	340,54	229,80
P-7:J-1	1,500	14	3	340,54	229,80
P-7:J-2	1,490	13	4	337,77	241,53
P-8:J-2	1,490	13	4	337,77	241,53
P-8:J-3	1,450	13	5	333,77	249,30
P-9:J-3	1,450	13	5	333,77	249,30
P-9:J-4	1,440	13	5	331,77	251,51
P-10:J-4	1,440	13	5	331,77	251,51
P-10:J-5	1,430	13	5	330,96	252,60
P-11:J-5	1,430	13	5	330,96	252,60
P-11:J-6	1,420	12	5	329,64	254,86
P-12:J-6	1,420	12	5	329,64	254,86
P-12:J-7	1,410	12	5	327,97	255,74
P-13:J-7	1,410	12	5	327,97	255,74
P-13:J-8	1,410	11	4	324,66	257,39
P-14:J-8	1,410	11	4	324,66	257,39
P-14:J-9	1,410	10	4	322,52	259,07
P-15:J-9	1,410	10	4	322,52	259,07
P-15:J-10	1,410	10	4	320,59	260,02
P-16:J-10	1,410	10	4	320,59	260,02
P-16:J-11	1,430	9	3	319,66	261,11
P-17:J-11	1,430	9	3	319,66	261,11
P-17:J-12	1,480	8	3	318,01	262,25
P-18:J-12	1,480	8	3	318,01	262,25
P-18:J-13	1,510	7	2	315,45	264,18
P-19:J-13	1,510	7	2	315,45	264,18
P-19:J-14	1,430	7	2	311,53	266,30
P-20:J-14	1,430	7	2	311,53	266,30
P-20:J-15	1,310	6	3	305,61	273,22
P-21:J-15	1,310	6	3	305,61	273,22
P-21:J-16	1,330	5	2	304,37	274,63
P-22:J-16	1,330	5	2	304,37	274,63
P-22:J-17	1,330	4	2	301,06	278,15
P-23:J-17	1,330	4	2	301,06	278,15
P-23:J-18	1,320	3	1	298,11	281,75
P-24:J-18	1,320	3	1	298,11	281,75
P-24:J-19	1,310	2	1	295,64	284,93
P-25:J-19	1,310	2	1	295,64	284,93
P-25:J-20	1,280	1	0	293,07	288,24
P-26:J-20	1,280	1	0	293,07	288,24
P-26:J-21	1,090	1	1	291,62	290,16
P-27:J-21	1,090	1	1	291,62	290,16

CalcoliReining.wtg  
11/11/2020

Bentley Systems, Inc. Haestad Methods  
Solution Center  
27 Siemon Company Drive Suite 200 W  
Watertown, CT 06795 USA +1-203-755-1666

Bentley HAMMER V8i (SELECTseries 5)  
[08.11.05.61]  
Page 1 of 2

Tabella 3- Pressioni massime e minime lungo la condotta

**Extreme Pressures and Heads**

End Point	Upsurge Ratio	Max. Pressure (bars)	Min. Pressure (bars)	Max. Head (m)	Min. Head (m)
P-27:R-5	0,000	0	0	291,00	291,00
P-28:HT-1	1,470	13	5	334,78	248,85
P-28:J-3	1,450	13	5	333,77	249,30

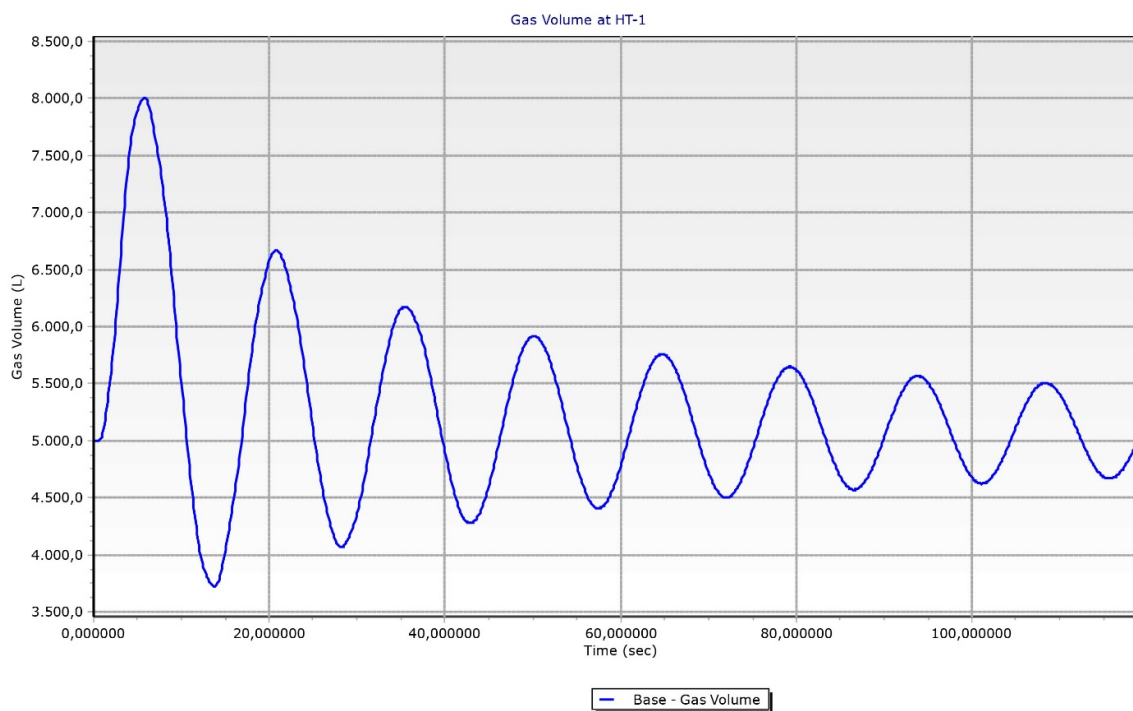


Figura 4- Volume del gas nella Cassa d'aria nel tempo

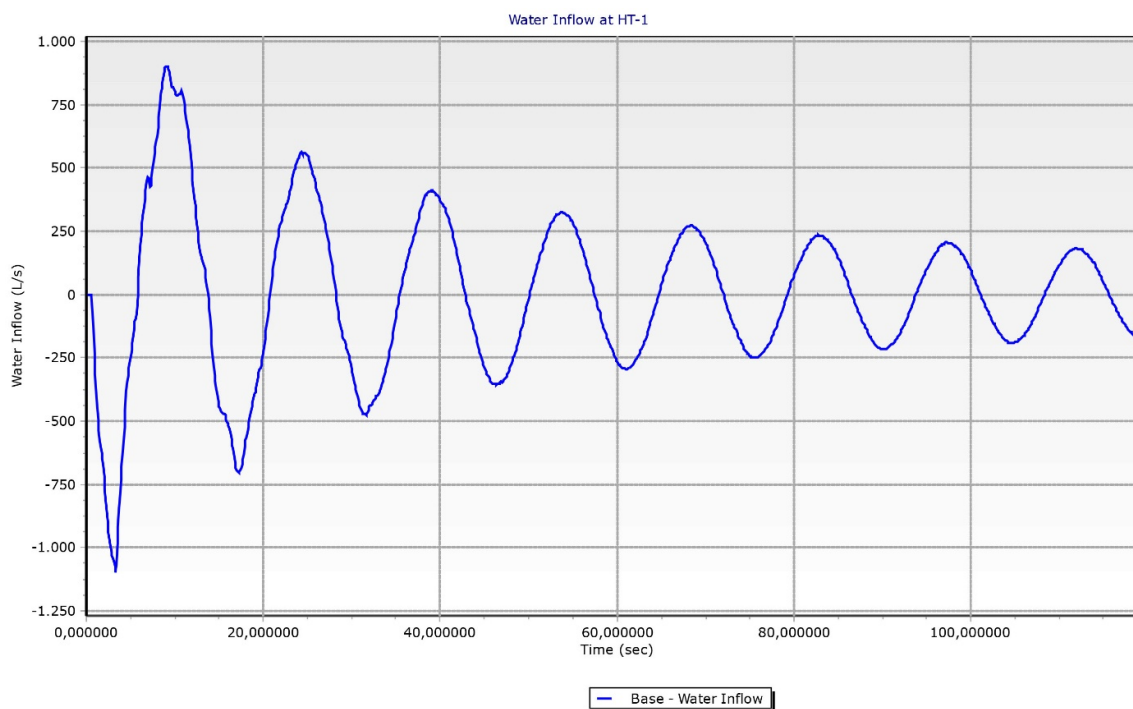


Figura 5- Portate in-out dalla cassa d'aria

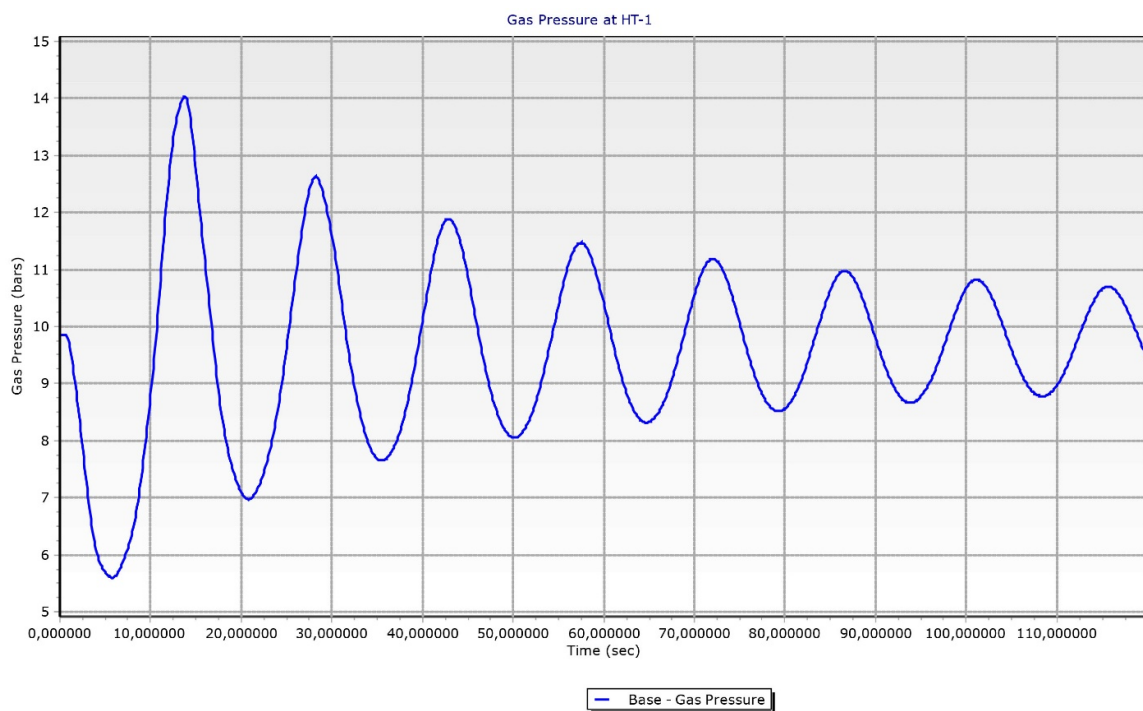


Figura 6 – Pressioni nel gas della cassa d'aria

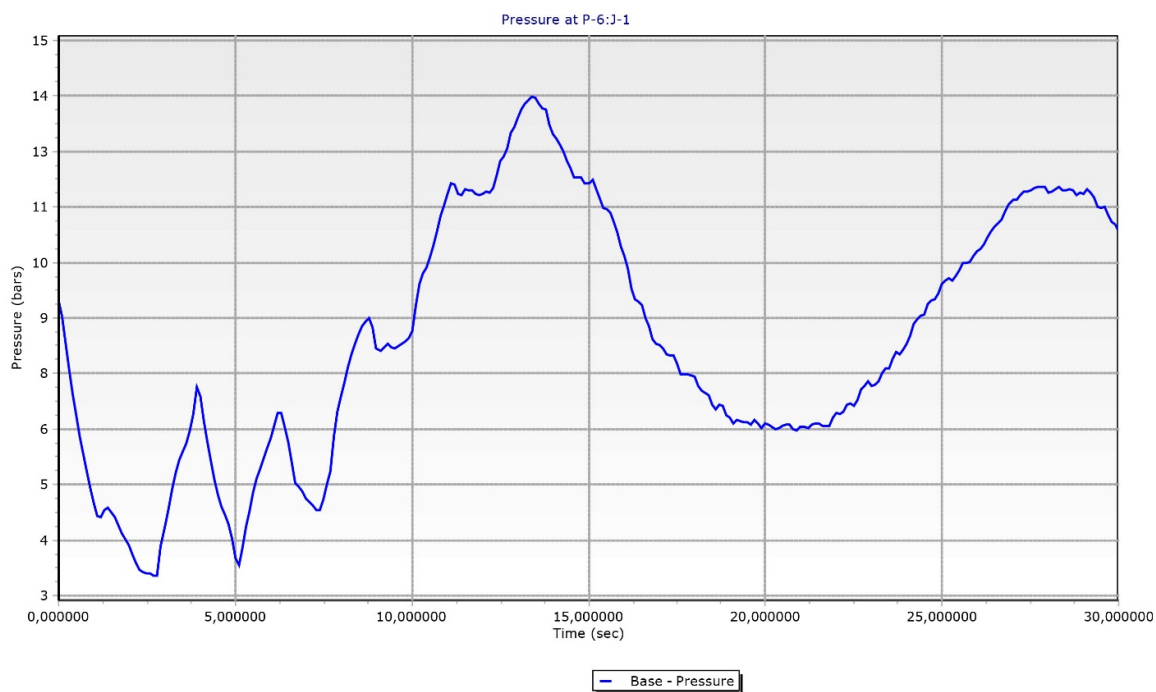


Figura 7- Pressioni condotta premente alla torre di presa



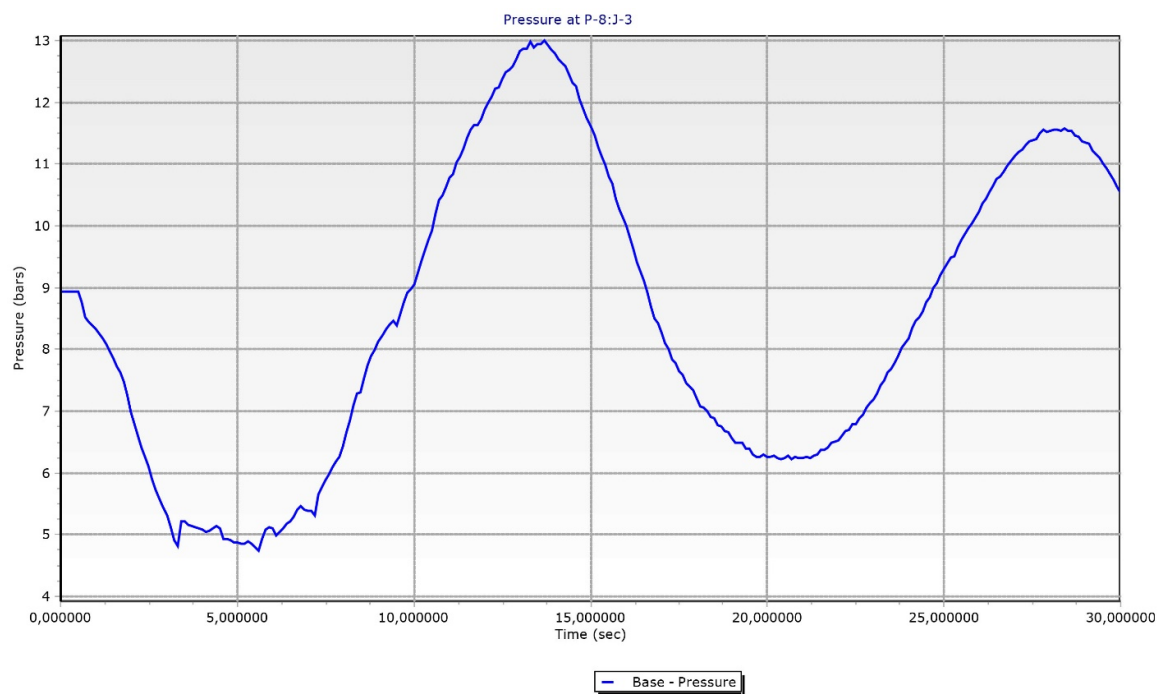


Figura 8- Pressione al piede della condotta premente in funzione del tempo

## ALLEGATO A- REPORT SINTETICO DI CALCOLO

-----  
HAMMER Engine 08.11.05.1

-----  
Based on Technology Originally Developed by GENIVAR(EHG). Compiled by IVF.  
Copyright (C) 2011 Bentley Systems, Incorporated. All Rights Reserved.  
-----

Type of Run: Full  
Date of Run: 11/11/20  
Time of Run: 11:58 pm  
Data File: CalcoliRelining.wtg.sqlite.\$\$\$  
Hydrograph File: Not Selected  
Labels: Long

### \*\*\* SYSTEM INFORMATION \*\*\*

ITEM	VALUE
Time Step (s)	
Automatic	0.0076
User-Selected	0.0100
Total Number	3001
Total Simulation Time (s)	30.01
Units	cms, m
Total Number of Nodes	27
Total Number of Pipes	28
Specific Gravity	1.00
Wave Speed (m/s)	765
Vapour Pressure(m)	-10.0
Reports	
Number of Nodes	All

Number of Time Steps	301
Number of Paths	4
Output	
Standard	Yes
Cavities (Open/Close)	Yes
Adjustments	
Adjusted Variable	Length
Warning Limit (Dimensional)	1000.00
Minimize	Adjustments
Calculate Transient Forces	Yes
Use Auxiliary Data File	Yes

\*\*\* PREFERENCE AND DEBUG INFORMATION \*\*\*

ITEM	VALUE
Tolerances	
Initial Flow Consistency Value	0.0006
Initial Head Consistency Value	0.031
Criterion for Fr. Coef. Flag	0.020
Adjustments	
Elevation Decrease	0.00
Extreme Heads Display	
All Times	Yes
After First Extreme	No
Friction Coefficient	
Model	Steady
1,000,000 x Kinematic Viscosity	n/a
Debug Parameters	
Level	Null

\*\*\* NODE INFORMATION \*\*\*

PRESS		CATEGORY	TYPE	ELEVATION			VAP
	LABEL	DESCRIPTION	DESCRIPTION	(m)	X COORD	Y COORD	(m)
	PMP-1	Pump	shut	177.2	1088.6	193.9	-10.0
	PMP-2	Pump	shut	177.2	1088.6	100.1	-10.0
	PMP-3	Pump	shut	177.2	1108.8	0.0	-10.0
	R-4	Reservoir	1 or more	178.0	913.7	68.4	-10.0
	R-5	Reservoir	1 or more	291.0	7.3	2271.8	-10.0
	HT-1	Prot equip	gas vessel	202.1	991.7	797.0	-10.0
	J-1	Junction	2 or more	200.1	1277.9	90.3	-10.0
	J-2	Junction	2 or more	200.6	1194.4	439.9	-10.0
	J-3	Junction	2 or more	200.9	1120.2	795.7	-10.0
	J-4	Junction	2 or more	201.0	1046.5	931.9	-10.0
	J-5	Junction	2 or more	201.0	966.6	1025.9	-10.0

	J-6	Junction	2 or more	202.7	859.9	1111.8	-10.0
	J-7	Junction	2 or more	204.4	764.3	1207.8	-10.0
	J-8	Junction	2 or more	211.5	652.3	1291.3	-10.0
	J-9	Junction	2 or more	216.5	564.5	1367.5	-10.0
	J-10	Junction	2 or more	221.9	497.7	1428.7	-10.0
	J-11	Junction	2 or more	227.4	469.2	1488.7	-10.0
	J-12	Junction	2 or more	236.4	441.4	1546.9	-10.0
	J-13	Junction	2 or more	245.1	399.3	1618.7	-10.0
	J-14	Junction	2 or more	245.1	349.1	1678.1	-10.0
	J-15	Junction	2 or more	245.1	286.5	1762.2	-10.0
	J-16	Junction	2 or more	252.1	238.1	1822.8	-10.0
	J-17	Junction	2 or more	260.9	183.2	1898.9	-10.0
	J-18	Junction	2 or more	269.0	136.8	1965.6	-10.0
	J-19	Junction	2 or more	276.2	85.6	2036.7	-10.0
	J-20	Junction	2 or more	283.8	40.4	2101.5	-10.0
	J-21	Junction	2 or more	284.0	0.0	2172.5	-10.0

-----

\*\*\* NODE DATA \*\*\*

LABEL	DATA
PMP-1	Inertia of Pump and Motor: 1758 Rotational Speed: 960 Percent Efficiency: 95 Closure Time of Valve: 0 Diameter of Valve: 500 Specific Speed: 25 Report Period: 0 Reverse Spin: allowed Time Delay: 0 Nominal Flow: 0 Nominal Head: 0

PMP-2	Inertia of Pump and Motor: 1758 Rotational Speed: 960 Percent Efficiency: 95 Closure Time of Valve: 0 Diameter of Valve: 500 Specific Speed: 25 Report Period: 0 Reverse Spin: allowed Time Delay: 0 Nominal Flow: 0 Nominal Head: 0
PMP-3	Inertia of Pump and Motor: 1758 Rotational Speed: 960 Percent Efficiency: 95 Closure Time of Valve: 0 Diameter of Valve: 500 Specific Speed: 25 Report Period: 0 Reverse Spin: allowed Time Delay: 0 Nominal Flow: 0 Nominal Head: 0
R-4	
R-5	
HT-1	Initial Volume of Gas: 5 Diameter of Throat: 400 Head Loss Coeff. (Outflow): 2.500 Exponent in Gas Law: 1.200 Ratio of Losses (In/Out): 2.500



Report Period: 10
Bladder: 0
Tank Volume: 15
Preset Pressure: 0
Level Type: Fixed
Liquid Elevation: 0

J-1
-----

J-2
-----

J-3
-----

J-4
-----

J-5
-----

J-6
-----

J-7
-----

J-8
-----

J-9
-----

J-10	
J-11	
J-12	
J-13	
J-14	
J-15	
J-16	
J-17	
J-18	
J-19	
J-20	
J-21	

\*\*\* CONNECTIVITY \*\*\*

PIPE LABEL	FROM NODE	TO NODE

P-1	R-4	PMP-1	
P-2	R-4	PMP-2	
P-3	R-4	PMP-3	
P-4	PMP-1	J-1	
P-5	PMP-2	J-1	
P-6	PMP-3	J-1	
P-7	J-1	J-2	
P-8	J-2	J-3	
P-9	J-3	J-4	
P-10	J-4	J-5	
P-11	J-5	J-6	
P-12	J-6	J-7	
P-13	J-7	J-8	
P-14	J-8	J-9	
P-15	J-9	J-10	
P-16	J-10	J-11	
P-17	J-11	J-12	
P-18	J-12	J-13	
P-19	J-13	J-14	
P-20	J-14	J-15	
P-21	J-15	J-16	
P-22	J-16	J-17	
P-23	J-17	J-18	
P-24	J-18	J-19	
P-25	J-19	J-20	
P-26	J-20	J-21	

P-27	J-21	R-5
P-28	HT-1	J-3

\*\*\* PIPE INFORMATION \*\*\*

LABEL	LENGTH (m)	DIAMETER (mm)	WAVESPEED (m /s)	D-W FR. COEF.	CHECK VALVE
P-1	1.0	495.40	1014.8	0.014	
P-2	1.0	495.40	1014.8	0.014	
P-3	1.0	495.40	1014.8	0.014	
P-4	25.0	495.40	1014.8	0.014	
P-5	25.0	495.40	1014.8	0.014	
P-6	25.0	495.40	1014.8	0.014	
P-7	233.8	956.00	764.6	0.015	
P-8	163.3	956.00	764.6	0.015	
P-9	37.8	956.00	764.6	0.015	
P-10	18.0	1199.20	764.6	0.015	
P-11	45.5	1199.20	764.6	0.015	
P-12	35.3	1199.20	764.6	0.015	
P-13	88.7	1199.20	764.6	0.015	
P-14	62.3	1199.20	764.6	0.015	
P-15	46.1	1199.20	764.6	0.015	
P-16	46.0	1199.20	764.6	0.015	
P-17	53.7	1199.20	764.6	0.015	
P-18	51.8	1199.20	764.6	0.015	
P-19	116.3	1199.20	764.6	0.015	
P-20	124.7	1199.20	764.6	0.015	

P-21	32.8	1199.20	764.6	0.015	
P-22	63.4	1199.20	764.6	0.015	
P-23	57.2	1199.20	764.6	0.015	
P-24	42.7	1199.20	764.6	0.015	
P-25	40.6	1199.20	764.6	0.015	
P-26	18.2	1199.20	764.6	0.015	
P-27	5.0	1199.20	764.6	0.015	
P-28	5.0	495.40	1014.8	0.015	

\*\*\* INITIAL PIPE CONDITIONS \*\*\*

FROM NODE	HEAD (m)	TO NODE	HEAD (m)	FLOW (cms)	VEL (m/s)
R-4	178.0	PMP-1	178.0	0.5	2.6
R-4	178.0	PMP-2	178.0	0.5	2.6
R-4	178.0	PMP-3	178.0	0.5	2.6
PMP-1	293.9	J-1	293.6	0.5	2.6
PMP-2	293.9	J-1	293.6	0.5	2.6
PMP-3	293.9	J-1	293.6	0.5	2.6
J-1	293.6	J-2	292.8	1.5	2.1
J-2	292.8	J-3	292.2	1.5	2.1

J-3	292.2	J-4	292.1	1.5	2.1
J-4	292.1	J-5	292.1	1.5	1.3
J-5	292.1	J-6	292.0	1.5	1.3
J-6	292.0	J-7	292.0	1.5	1.3
J-7	292.0	J-8	291.9	1.5	1.3
J-8	291.9	J-9	291.8	1.5	1.3
J-9	291.8	J-10	291.8	1.5	1.3
J-10	291.8	J-11	291.7	1.5	1.3
J-11	291.7	J-12	291.6	1.5	1.3
J-12	291.6	J-13	291.6	1.5	1.3
J-13	291.6	J-14	291.4	1.5	1.3
J-14	291.4	J-15	291.3	1.5	1.3
J-15	291.3	J-16	291.3	1.5	1.3
J-16	291.3	J-17	291.2	1.5	1.3
J-17	291.2	J-18	291.1	1.5	1.3
J-18	291.1	J-19	291.1	1.5	1.3
J-19	291.1	J-20	291.0	1.5	1.3
J-20	291.0	J-21	291.0	1.5	1.3
J-21	291.0	R-5	291.0	1.5	1.3
HT-1	292.2	J-3	292.2	0.0	0.0

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\*\*\* SNAPSHOT OF EVERY END POINT AT START OF TIME STEP 1 \*\*\*

END POINT	FLOW (cms)	HEAD (m)	HEAD (m)	CURR. VOL. (m3)	MAX. VOL. (m3)
P-1:R-4	0.507	178.0	178.0		
P-1:PMP-1	0.507	178.0	178.0	0.000	0.000
P-2:R-4	0.507	178.0	178.0		
P-2:PMP-2	0.507	178.0	178.0	0.000	0.000
P-3:R-4	0.507	178.0	178.0		
P-3:PMP-3	0.507	178.0	178.0	0.000	0.000
P-4:PMP-1	0.507	293.9	293.8	0.000	0.000
P-4:J-1	0.507	293.7	293.6	0.000	0.000
P-5:PMP-2	0.507	293.9	293.8	0.000	0.000
P-5:J-1	0.507	293.7	293.6	0.000	0.000
P-6:PMP-3	0.507	293.9	293.8	0.000	0.000
P-6:J-1	0.507	293.7	293.6	0.000	0.000
P-7:J-1	1.521	293.6	293.6	0.000	0.000
P-7:J-2	1.521	292.8	292.8	0.000	0.000
P-8:J-2	1.521	292.8	292.8	0.000	0.000
P-8:J-3	1.521	292.3	292.2	0.000	0.000
P-9:J-3	1.521	292.2	292.2	0.000	0.000



P-9:J-4	1.521	292.1	292.1	0.000	0.000
P-10:J-4	1.521	292.1	292.1	0.000	0.000
P-10:J-5	1.521	292.1	292.1	0.000	0.000
P-11:J-5	1.521	292.1	292.1	0.000	0.000
P-11:J-6	1.521	292.0	292.0	0.000	0.000
P-12:J-6	1.521	292.0	292.0	0.000	0.000
P-12:J-7	1.521	292.0	292.0	0.000	0.000
P-13:J-7	1.521	292.0	292.0	0.000	0.000
P-13:J-8	1.521	291.9	291.9	0.000	0.000
P-14:J-8	1.521	291.9	291.9	0.000	0.000
P-14:J-9	1.521	291.8	291.8	0.000	0.000
P-15:J-9	1.521	291.8	291.8	0.000	0.000
P-15:J-10	1.521	291.8	291.8	0.000	0.000
P-16:J-10	1.521	291.8	291.8	0.000	0.000
P-16:J-11	1.521	291.7	291.7	0.000	0.000
P-17:J-11	1.521	291.7	291.7	0.000	0.000
P-17:J-12	1.521	291.6	291.6	0.000	0.000
P-18:J-12	1.521	291.6	291.6	0.000	0.000
P-18:J-13	1.521	291.6	291.6	0.000	0.000
P-19:J-13	1.521	291.6	291.6	0.000	0.000
P-19:J-14	1.521	291.5	291.4	0.000	0.000

P-20:J-14	1.521	291.4	291.4	0.000	0.000
P-20:J-15	1.521	291.3	291.3	0.000	0.000
P-21:J-15	1.521	291.3	291.3	0.000	0.000
P-21:J-16	1.521	291.3	291.3	0.000	0.000
P-22:J-16	1.521	291.3	291.3	0.000	0.000
P-22:J-17	1.521	291.2	291.2	0.000	0.000
P-23:J-17	1.521	291.2	291.2	0.000	0.000
P-23:J-18	1.521	291.1	291.1	0.000	0.000
P-24:J-18	1.521	291.1	291.1	0.000	0.000
P-24:J-19	1.521	291.1	291.1	0.000	0.000
P-25:J-19	1.521	291.1	291.1	0.000	0.000
P-25:J-20	1.521	291.0	291.0	0.000	0.000
P-26:J-20	1.521	291.0	291.0	0.000	0.000
P-26:J-21	1.521	291.0	291.0	0.000	0.000
P-27:J-21	1.521	291.0	291.0	0.000	0.000
P-27:R-5	1.521	291.0	291.0		
P-28:HT-1	0.000	292.2	292.2		
P-28:J-3	0.000	292.2	292.2	0.000	0.000

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\*\*\* List of end points with possible discrepancies in input values \*\*\*

NOTE: End points where initial surges generated are included.

P-1:PMP-1  
P-2:PMP-2  
P-3:PMP-3  
P-4:PMP-1  
P-5:PMP-2  
P-6:PMP-3

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\*\*\* SNAPSHOT OF EVERY END POINT AT START OF TIME STEP 2 \*\*\*

END POINT	FLOW (cms)	HEAD (m)	HEAD (m)	CURR. VOL. (m3)	MAX. VOL. (m3)
P-1:R-4	0.507	178.0	178.0		
P-1:PMP-1	0.506	178.6	178.0	0.000	0.000
P-2:R-4	0.507	178.0	178.0		
P-2:PMP-2	0.506	178.6	178.0	0.000	0.000
P-3:R-4	0.507	178.0	178.0		
P-3:PMP-3	0.506	178.6	178.0	0.000	0.000
P-4:PMP-1	0.506	293.9	293.2	0.000	0.000
P-4:J-1	0.507	293.7	293.6	0.000	0.000
P-5:PMP-2	0.506	293.9	293.2	0.000	0.000
P-5:J-1	0.507	293.7	293.6	0.000	0.000
P-6:PMP-3	0.506	293.9	293.2	0.000	0.000
P-6:J-1	0.507	293.7	293.6	0.000	0.000
P-7:J-1	1.521	293.6	293.6	0.000	0.000
P-7:J-2	1.521	292.8	292.8	0.000	0.000
P-8:J-2	1.521	292.8	292.8	0.000	0.000
P-8:J-3	1.521	292.3	292.2	0.000	0.000
P-9:J-3	1.521	292.2	292.2	0.000	0.000

P-9:J-4	1.521	292.1	292.1	0.000	0.000
P-10:J-4	1.521	292.1	292.1	0.000	0.000
P-10:J-5	1.521	292.1	292.1	0.000	0.000
P-11:J-5	1.521	292.1	292.1	0.000	0.000
P-11:J-6	1.521	292.0	292.0	0.000	0.000
P-12:J-6	1.521	292.0	292.0	0.000	0.000
P-12:J-7	1.521	292.0	292.0	0.000	0.000
P-13:J-7	1.521	292.0	292.0	0.000	0.000
P-13:J-8	1.521	291.9	291.9	0.000	0.000
P-14:J-8	1.521	291.9	291.9	0.000	0.000
P-14:J-9	1.521	291.8	291.8	0.000	0.000
P-15:J-9	1.521	291.8	291.8	0.000	0.000
P-15:J-10	1.521	291.8	291.8	0.000	0.000
P-16:J-10	1.521	291.8	291.8	0.000	0.000
P-16:J-11	1.521	291.7	291.7	0.000	0.000
P-17:J-11	1.521	291.7	291.7	0.000	0.000
P-17:J-12	1.521	291.6	291.6	0.000	0.000
P-18:J-12	1.521	291.6	291.6	0.000	0.000
P-18:J-13	1.521	291.6	291.6	0.000	0.000
P-19:J-13	1.521	291.6	291.6	0.000	0.000
P-19:J-14	1.521	291.5	291.4	0.000	0.000

P-20:J-14	1.521	291.4	291.4	0.000	0.000
P-20:J-15	1.521	291.3	291.3	0.000	0.000
P-21:J-15	1.521	291.3	291.3	0.000	0.000
P-21:J-16	1.521	291.3	291.3	0.000	0.000
P-22:J-16	1.521	291.3	291.3	0.000	0.000
P-22:J-17	1.521	291.2	291.2	0.000	0.000
P-23:J-17	1.521	291.2	291.2	0.000	0.000
P-23:J-18	1.521	291.1	291.1	0.000	0.000
P-24:J-18	1.521	291.1	291.1	0.000	0.000
P-24:J-19	1.521	291.1	291.1	0.000	0.000
P-25:J-19	1.521	291.1	291.1	0.000	0.000
P-25:J-20	1.521	291.0	291.0	0.000	0.000
P-26:J-20	1.521	291.0	291.0	0.000	0.000
P-26:J-21	1.521	291.0	291.0	0.000	0.000
P-27:J-21	1.521	291.0	291.0	0.000	0.000
P-27:R-5	1.521	291.0	291.0		
P-28:HT-1	0.000	292.2	292.2		
P-28:J-3	0.000	292.2	292.2	0.000	0.000

Check valve at node "PMP-1" closes in 2.77 seconds.

Check valve at node "PMP-2" closes in 2.77 seconds.

Check valve at node "PMP-3" closes in 2.77 seconds.

THE EXTREME PRESSURES AND VOLUMES OF THE GAS IN THE TANK AT NODE "HT-1" ARE AS FOLLOWS:

MAXIMUM PRESSURE OF GAS = 143.02

MINIMUM PRESSURE OF GAS = 57.08

MAXIMUM VOLUME OF GAS = 8.0

MINIMUM VOLUME OF GAS = 3.7

NOTE: PRESSURES AND VOLUMES ARE GIVEN IN INPUT UNITS: PSI/GAL., FT./CU. FT., KPA/L, OR M/CU. M



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\*\*\* SNAPSHOT OF EVERY END POINT AT START OF TIME STEP 3001 \*\*\*

END POINT	FLOW (cms)	HEAD (m)	HEAD (m)	CURR. VOL. (m3)	MAX. VOL. (m3)
P-1:R-4	0.001	178.0	178.0		
P-1:PMP-1	0.000	178.5		0.000	0.000
P-2:R-4	0.001	178.0	178.0		
P-2:PMP-2	0.000	178.5		0.000	0.000
P-3:R-4	0.001	178.0	178.0		
P-3:PMP-3	0.000	178.5		0.000	0.000
P-4:PMP-1	0.000		309.5	0.000	0.000
P-4:J-1	0.001	309.5	309.5	0.000	0.000
P-5:PMP-2	0.000		309.5	0.000	0.000
P-5:J-1	0.001	309.5	309.5	0.000	0.000
P-6:PMP-3	0.000		309.5	0.000	0.000
P-6:J-1	0.001	309.5	309.5	0.000	0.000
P-7:J-1	0.004	309.5	309.5	0.000	0.000
P-7:J-2	0.045	308.7	308.7	0.000	0.000
P-8:J-2	0.045	308.7	308.7	0.000	0.000
P-8:J-3	0.057	308.5	308.5	0.000	0.000
P-9:J-3	0.352	308.5	308.5	0.000	0.000

P-9:J-4	0.356	307.5	307.5	0.000	0.000
P-10:J-4	0.356	307.5	307.5	0.000	0.000
P-10:J-5	0.362	306.9	306.9	0.000	0.000
P-11:J-5	0.362	306.9	306.9	0.000	0.000
P-11:J-6	0.376	306.2	306.2	0.000	0.000
P-12:J-6	0.376	306.2	306.2	0.000	0.000
P-12:J-7	0.387	305.6	305.6	0.000	0.000
P-13:J-7	0.387	305.6	305.6	0.000	0.000
P-13:J-8	0.409	304.5	304.5	0.000	0.000
P-14:J-8	0.409	304.5	304.5	0.000	0.000
P-14:J-9	0.416	303.3	303.3	0.000	0.000
P-15:J-9	0.416	303.3	303.3	0.000	0.000
P-15:J-10	0.421	302.1	302.1	0.000	0.000
P-16:J-10	0.421	302.1	302.1	0.000	0.000
P-16:J-11	0.426	301.6	301.6	0.000	0.000
P-17:J-11	0.426	301.6	301.6	0.000	0.000
P-17:J-12	0.436	300.6	300.6	0.000	0.000
P-18:J-12	0.436	300.6	300.6	0.000	0.000
P-18:J-13	0.439	299.6	299.6	0.000	0.000
P-19:J-13	0.439	299.6	299.6	0.000	0.000
P-19:J-14	0.462	298.3	298.3	0.000	0.000

P-20:J-14	0.462	298.3	298.3	0.000	0.000
P-20:J-15	0.484	295.9	295.9	0.000	0.000
P-21:J-15	0.484	295.9	295.9	0.000	0.000
P-21:J-16	0.491	295.1	295.1	0.000	0.000
P-22:J-16	0.491	295.1	295.1	0.000	0.000
P-22:J-17	0.504	293.9	293.9	0.000	0.000
P-23:J-17	0.504	293.9	293.9	0.000	0.000
P-23:J-18	0.502	293.0	293.0	0.000	0.000
P-24:J-18	0.502	293.0	293.0	0.000	0.000
P-24:J-19	0.494	292.3	292.3	0.000	0.000
P-25:J-19	0.494	292.3	292.3	0.000	0.000
P-25:J-20	0.490	291.4	291.4	0.000	0.000
P-26:J-20	0.490	291.4	291.4	0.000	0.000
P-26:J-21	0.494	291.1	291.1	0.000	0.000
P-27:J-21	0.494	291.1	291.1	0.000	0.000
P-27:R-5	0.494	291.0	291.0		
P-28:HT-1	0.294	309.5	309.5		
P-28:J-3	0.294	308.5	308.5	0.000	0.000

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\*\*\* LIST OF SORTED VAPOUR AND AIR POCKETS \*\*\*

No vapour/air pockets were formed.

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\*\*\* MAXIMUM FORCES AT EVERY NODE \*\*\*

Node Label	Time (s)	Magnitude (N)	Fx (N)	Fy (N)	Fz (N)
PMP-1	13.47	309396	-266724	146136	-56822
PMP-2	13.47	309279	-302757	15736	-61184
PMP-3	13.47	309344	-267473	-143024	-60798
R-4	0.01	4632	-3633	-570	-2816
R-5	0.00	27666	293	3978	-27377
HT-1	3.31	7837	-6302	63	-4658
J-1	13.44	1588202	963144	-975581	-801862
J-2	4.78	1395931	-8435	-315	-1395905
J-3	13.72	878899	504234	90814	-714118
J-4	13.67	624334	500051	-293079	-232048
J-5	13.16	456369	185283	194868	-368740
J-6	13.14	472742	-106437	-109989	-447279
J-7	13.11	763795	108170	168759	-737023
J-8	5.91	831248	-54079	-4492	-829474
J-9	13.33	620390	-45146	-3828	-618734
J-10	12.80	675906	-357231	-217422	-531002
J-11	12.75	604964	-25968	62598	-601156

J-12	6.58	569803	-10817	72146	-565114
J-13	6.25	906415	15080	45283	-905158
J-14	12.91	1334290	-35182	-27892	-1333534
J-15	12.69	930932	6958	29342	-930443
J-16	12.69	533383	-52984	21775	-530298
J-17	12.60	665998	-42586	48270	-662880
J-18	5.98	548467	-27235	42217	-546161
J-19	12.58	461891	-26328	31673	-460051
J-20	5.88	319162	-15937	15135	-318405
J-21	9.69	142617	-48442	-8684	-133857

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HAMMER Engine 08.11.05.1

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Based on Technology Originally Developed by GENIVAR(EHG). Compiled by IVF.  
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\*\*\* SUMMARY FOR Default Project-Base-CalcoliRelining.wtg.sqlite \*\*\*

END POINT	MAX. PRESS. (mH)	MIN. PRESS. (mH)	MAX. HEAD (m)	MIN. HEAD (m)
P-1:R-4	0.0	0.0	178.0	178.0
P-1:PMP-1	2.6	0.1	179.8	177.3
P-2:R-4	0.0	0.0	178.0	178.0
P-2:PMP-2	2.6	0.1	179.8	177.3
P-3:R-4	0.0	0.0	178.0	178.0
P-3:PMP-3	2.6	0.1	179.8	177.3
P-4:PMP-1	163.4	49.4	340.6	226.6
P-4:J-1	140.4	29.7	340.5	229.8
P-5:PMP-2	163.3	49.4	340.5	226.6
P-5:J-1	140.4	29.7	340.5	229.8
P-6:PMP-3	163.3	49.4	340.5	226.6
P-6:J-1	140.4	29.7	340.5	229.8
P-7:J-1	140.4	29.7	340.5	229.8
P-7:J-2	137.2	41.0	337.8	241.5
P-8:J-2	137.2	41.0	337.8	241.5
P-8:J-3	132.9	48.4	333.8	249.3
P-9:J-3	132.9	48.4	333.8	249.3
P-9:J-4	130.8	50.5	331.8	251.5
P-10:J-4	130.8	50.5	331.8	251.5

P-10:J-5	129.9	51.6	331.0	252.6
P-11:J-5	129.9	51.6	331.0	252.6
P-11:J-6	126.9	52.1	329.6	254.9
P-12:J-6	126.9	52.1	329.6	254.9
P-12:J-7	123.6	51.3	328.0	255.7
P-13:J-7	123.6	51.3	328.0	255.7
P-13:J-8	113.2	45.9	324.7	257.4
P-14:J-8	113.2	45.9	324.7	257.4
P-14:J-9	106.1	42.6	322.5	259.1
P-15:J-9	106.1	42.6	322.5	259.1
P-15:J-10	98.6	38.1	320.6	260.0
P-16:J-10	98.6	38.1	320.6	260.0
P-16:J-11	92.2	33.7	319.7	261.1
P-17:J-11	92.2	33.7	319.7	261.1
P-17:J-12	81.6	25.9	318.0	262.3
P-18:J-12	81.6	25.9	318.0	262.3
P-18:J-13	70.4	19.1	315.4	264.2
P-19:J-13	70.4	19.1	315.4	264.2
P-19:J-14	66.5	21.3	311.5	266.3
P-20:J-14	66.5	21.3	311.5	266.3
P-20:J-15	60.6	28.2	305.6	273.2
P-21:J-15	60.6	28.2	305.6	273.2
P-21:J-16	52.3	22.6	304.4	274.6



P-22:J-16	52.3	22.6	304.4	274.6
P-22:J-17	40.1	17.2	301.1	278.2
P-23:J-17	40.1	17.2	301.1	278.2
P-23:J-18	29.2	12.8	298.1	281.8
P-24:J-18	29.2	12.8	298.1	281.8
P-24:J-19	19.4	8.7	295.6	284.9
P-25:J-19	19.4	8.7	295.6	284.9
P-25:J-20	9.3	4.4	293.1	288.2
P-26:J-20	9.3	4.4	293.1	288.2
P-26:J-21	7.7	6.2	291.6	290.2
P-27:J-21	7.7	6.2	291.6	290.2
P-27:R-5	0.0	0.0	291.0	291.0
P-28:HT-1	132.6	46.7	334.8	248.8
P-28:J-3	132.9	48.4	333.8	249.3

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\*\*\* Maximum pressure in entire network is 163.4 mH at point P-4:PMP-1

\*\*\* Minimum pressure in entire network is 0.0 mH at point P-27:R-5

Elapsed time: 6 s.

# ALLEGATO B- REPORT DETTAGLIATO CODICE DI CALCOLO

\*\*\*\* Created by Hammer - Version 08.11.05.1

\*\*\*\*

\*\*\* Selected Snapshots \*\*\*

\*\* Snapshot for selected end points at time 0.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000
P-8:J-3	1.521	292.2	0.000
P-7:J-1	1.521	293.6	0.000
P-6:J-1	0.507	293.6	0.000
P-4:J-1	0.507	293.6	0.000
P-4:PMP-1	0.507	293.9	0.000

\*\* Snapshot for selected end points at time 0.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000
P-8:J-3	1.521	292.2	0.000
P-7:J-1	1.485	289.7	0.000
P-6:J-1	0.495	289.7	0.000
P-4:J-1	0.495	289.7	0.000
P-4:PMP-1	0.492	287.0	0.000

\*\* Snapshot for selected end points at time 0.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000
P-8:J-3	1.521	292.2	0.000

P-7:J-1	1.428	283.5	0.000
P-6:J-1	0.476	283.5	0.000
P-4:J-1	0.476	283.5	0.000
P-4:PMP-1	0.473	280.6	0.000

\*\* Snapshot for selected end points at time 0.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000
P-8:J-3	1.521	292.2	0.000
P-7:J-1	1.373	277.5	0.000
P-6:J-1	0.458	277.5	0.000
P-4:J-1	0.458	277.5	0.000
P-4:PMP-1	0.455	274.9	0.000

\*\* Snapshot for selected end points at time 0.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000
P-8:J-3	1.521	292.2	0.000
P-7:J-1	1.323	272.1	0.000
P-6:J-1	0.441	272.1	0.000
P-4:J-1	0.441	272.1	0.000
P-4:PMP-1	0.438	269.7	0.000

\*\* Snapshot for selected end points at time 0.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.000	292.2	0.000
P-28:HT-1	0.000	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.521	292.2	0.000

P-8:J-3	1.521	292.2	0.000
P-7:J-1	1.277	267.0	0.000
P-6:J-1	0.426	267.0	0.000
P-4:J-1	0.426	267.0	0.000
P-4:PMP-1	0.423	264.8	0.000

\*\* Snapshot for selected end points at time 0.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.006	290.4	0.000
P-28:HT-1	0.007	292.2	0.000
P-11:J-5	1.521	292.1	0.000
P-10:J-4	1.521	292.1	0.000
P-9:J-4	1.521	292.1	0.000
P-9:J-3	1.504	290.4	0.000
P-8:J-3	1.498	290.4	0.000
P-7:J-1	1.235	262.4	0.000
P-6:J-1	0.412	262.4	0.000
P-4:J-1	0.412	262.4	0.000
P-4:PMP-1	0.409	260.4	0.000

\*\* Snapshot for selected end points at time 0.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.066	288.0	0.000
P-28:HT-1	0.066	292.1	0.000
P-11:J-5	1.493	290.1	0.000
P-10:J-4	1.483	289.5	0.000
P-9:J-4	1.483	289.5	0.000
P-9:J-3	1.475	288.0	0.000
P-8:J-3	1.409	288.0	0.000
P-7:J-1	1.196	258.1	0.000
P-6:J-1	0.399	258.1	0.000
P-4:J-1	0.399	258.1	0.000
P-4:PMP-1	0.396	256.2	0.000

\*\* Snapshot for selected end points at time 0.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.149	287.1	0.000
P-28:HT-1	0.149	291.7	0.000
P-11:J-5	1.465	288.2	0.000
P-10:J-4	1.459	287.8	0.000
P-9:J-4	1.459	287.8	0.000

P-9:J-3	1.455	287.1	0.000
P-8:J-3	1.306	287.1	0.000
P-7:J-1	1.160	254.1	0.000
P-6:J-1	0.387	254.1	0.000
P-4:J-1	0.387	254.1	0.000
P-4:PMP-1	0.384	252.4	0.000

\*\* Snapshot for selected end points at time 0.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.234	286.5	0.000
P-28:HT-1	0.234	291.0	0.000
P-11:J-5	1.450	287.1	0.000
P-10:J-4	1.446	286.9	0.000
P-9:J-4	1.446	286.9	0.000
P-9:J-3	1.443	286.5	0.000
P-8:J-3	1.209	286.5	0.000
P-7:J-1	1.126	250.5	0.000
P-6:J-1	0.375	250.5	0.000
P-4:J-1	0.375	250.5	0.000
P-4:PMP-1	0.373	248.8	0.000

\*\* Snapshot for selected end points at time 1.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.313	285.9	0.000
P-28:HT-1	0.313	290.0	0.000
P-11:J-5	1.440	286.5	0.000
P-10:J-4	1.437	286.3	0.000
P-9:J-4	1.437	286.3	0.000
P-9:J-3	1.434	285.9	0.000
P-8:J-3	1.121	285.9	0.000
P-7:J-1	1.095	247.0	0.000
P-6:J-1	0.365	247.0	0.000
P-4:J-1	0.365	247.0	0.000
P-4:PMP-1	0.363	245.5	0.000

\*\* Snapshot for selected end points at time 1.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.384	285.3	0.000
P-28:HT-1	0.384	288.8	0.000
P-11:J-5	1.431	285.9	0.000
P-10:J-4	1.428	285.7	0.000

P-9:J-4	1.428	285.7	0.000
P-9:J-3	1.425	285.3	0.000
P-8:J-3	1.041	285.3	0.000
P-7:J-1	1.065	243.8	0.000
P-6:J-1	0.355	243.8	0.000
P-4:J-1	0.355	243.8	0.000
P-4:PMP-1	0.354	242.4	0.000

\*\* Snapshot for selected end points at time 1.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.444	284.4	0.000
P-28:HT-1	0.444	287.4	0.000
P-11:J-5	1.421	285.2	0.000
P-10:J-4	1.418	284.9	0.000
P-9:J-4	1.418	284.9	0.000
P-9:J-3	1.414	284.4	0.000
P-8:J-3	0.969	284.4	0.000
P-7:J-1	1.020	243.8	0.000
P-6:J-1	0.340	243.8	0.000
P-4:J-1	0.340	243.8	0.000
P-4:PMP-1	0.340	240.6	0.000

\*\* Snapshot for selected end points at time 1.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.496	283.4	0.000
P-28:HT-1	0.495	286.0	0.000
P-11:J-5	1.409	284.3	0.000
P-10:J-4	1.405	284.1	0.000
P-9:J-4	1.405	284.1	0.000
P-9:J-3	1.400	283.4	0.000
P-8:J-3	0.905	283.4	0.000
P-7:J-1	0.942	245.3	0.000
P-6:J-1	0.314	245.3	0.000
P-4:J-1	0.314	245.3	0.000
P-4:PMP-1	0.315	240.7	0.000

\*\* Snapshot for selected end points at time 1.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.539	282.3	0.000
P-28:HT-1	0.539	284.5	0.000
P-11:J-5	1.395	283.3	0.000

P-10:J-4	1.390	283.1	0.000
P-9:J-4	1.390	283.1	0.000
P-9:J-3	1.385	282.3	0.000
P-8:J-3	0.846	282.3	0.000
P-7:J-1	0.856	245.9	0.000
P-6:J-1	0.285	245.9	0.000
P-4:J-1	0.285	245.9	0.000
P-4:PMP-1	0.285	240.8	0.000

\*\* Snapshot for selected end points at time 1.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.575	281.1	0.000
P-28:HT-1	0.575	283.0	0.000
P-11:J-5	1.379	282.3	0.000
P-10:J-4	1.374	281.9	0.000
P-9:J-4	1.374	281.9	0.000
P-9:J-3	1.369	281.1	0.000
P-8:J-3	0.794	281.1	0.000
P-7:J-1	0.760	244.7	0.000
P-6:J-1	0.253	244.7	0.000
P-4:J-1	0.253	244.7	0.000
P-4:PMP-1	0.253	239.8	0.000

\*\* Snapshot for selected end points at time 1.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.605	279.9	0.000
P-28:HT-1	0.605	281.4	0.000
P-11:J-5	1.362	281.1	0.000
P-10:J-4	1.357	280.7	0.000
P-9:J-4	1.357	280.7	0.000
P-9:J-3	1.351	279.9	0.000
P-8:J-3	0.746	279.9	0.000
P-7:J-1	0.674	243.6	0.000
P-6:J-1	0.225	243.6	0.000
P-4:J-1	0.225	243.6	0.000
P-4:PMP-1	0.224	239.3	0.000

\*\* Snapshot for selected end points at time 1.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.629	278.9	0.000
P-28:HT-1	0.629	279.9	0.000

P-11:J-5	1.345	279.8	0.000
P-10:J-4	1.340	279.5	0.000
P-9:J-4	1.340	279.5	0.000
P-9:J-3	1.335	278.9	0.000
P-8:J-3	0.706	278.9	0.000
P-7:J-1	0.592	241.9	0.000
P-6:J-1	0.197	241.9	0.000
P-4:J-1	0.197	241.9	0.000
P-4:PMP-1	0.196	237.6	0.000

\*\* Snapshot for selected end points at time 1.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.647	277.3	0.000
P-28:HT-1	0.647	278.5	0.000
P-11:J-5	1.330	278.8	0.000
P-10:J-4	1.324	278.4	0.000
P-9:J-4	1.324	278.4	0.000
P-9:J-3	1.315	277.3	0.000
P-8:J-3	0.669	277.3	0.000
P-7:J-1	0.517	240.0	0.000
P-6:J-1	0.172	240.0	0.000
P-4:J-1	0.172	240.0	0.000
P-4:PMP-1	0.172	236.4	0.000

\*\* Snapshot for selected end points at time 1.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.676	275.0	0.000
P-28:HT-1	0.676	276.9	0.000
P-11:J-5	1.305	277.1	0.000
P-10:J-4	1.295	276.5	0.000
P-9:J-4	1.295	276.5	0.000
P-9:J-3	1.287	275.0	0.000
P-8:J-3	0.611	275.0	0.000
P-7:J-1	0.455	238.6	0.000
P-6:J-1	0.152	238.6	0.000
P-4:J-1	0.152	238.6	0.000
P-4:PMP-1	0.151	235.7	0.000

\*\* Snapshot for selected end points at time 2.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.717	272.3	0.000



P-28:HT-1	0.716	275.1	0.000
P-11:J-5	1.276	275.1	0.000
P-10:J-4	1.264	274.3	0.000
P-9:J-4	1.264	274.3	0.000
P-9:J-3	1.251	272.3	0.000
P-8:J-3	0.535	272.3	0.000
P-7:J-1	0.398	237.2	0.000
P-6:J-1	0.133	237.2	0.000
P-4:J-1	0.133	237.2	0.000
P-4:PMP-1	0.132	234.0	0.000

\*\* Snapshot for selected end points at time 2.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.768	270.4	0.000
P-28:HT-1	0.768	273.1	0.000
P-11:J-5	1.238	272.5	0.000
P-10:J-4	1.229	271.8	0.000
P-9:J-4	1.229	271.8	0.000
P-9:J-3	1.220	270.4	0.000
P-8:J-3	0.452	270.4	0.000
P-7:J-1	0.341	235.0	0.000
P-6:J-1	0.114	235.0	0.000
P-4:J-1	0.114	235.0	0.000
P-4:PMP-1	0.113	232.2	0.000

\*\* Snapshot for selected end points at time 2.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.815	268.4	0.000
P-28:HT-1	0.814	271.1	0.000
P-11:J-5	1.210	270.5	0.000
P-10:J-4	1.203	270.0	0.000
P-9:J-4	1.203	270.0	0.000
P-9:J-3	1.191	268.4	0.000
P-8:J-3	0.376	268.4	0.000
P-7:J-1	0.292	233.2	0.000
P-6:J-1	0.097	233.2	0.000
P-4:J-1	0.097	233.2	0.000
P-4:PMP-1	0.097	230.8	0.000

\*\* Snapshot for selected end points at time 2.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	0.863	266.4	0.000
P-28:HT-1	0.863	269.0	0.000
P-11:J-5	1.180	268.4	0.000
P-10:J-4	1.171	267.8	0.000
P-9:J-4	1.171	267.8	0.000
P-9:J-3	1.162	266.4	0.000
P-8:J-3	0.299	266.4	0.000
P-7:J-1	0.252	231.5	0.000
P-6:J-1	0.084	231.5	0.000
P-4:J-1	0.084	231.5	0.000
P-4:PMP-1	0.083	229.6	0.000

\*\* Snapshot for selected end points at time 2.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.904	264.8	0.000
P-28:HT-1	0.904	266.9	0.000
P-11:J-5	1.152	266.5	0.000
P-10:J-4	1.145	266.0	0.000
P-9:J-4	1.145	266.0	0.000
P-9:J-3	1.138	264.8	0.000
P-8:J-3	0.234	264.8	0.000
P-7:J-1	0.216	230.9	0.000
P-6:J-1	0.072	230.9	0.000
P-4:J-1	0.072	230.9	0.000
P-4:PMP-1	0.072	228.8	0.000

\*\* Snapshot for selected end points at time 2.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.935	263.3	0.000
P-28:HT-1	0.934	265.0	0.000
P-11:J-5	1.130	264.9	0.000
P-10:J-4	1.123	264.5	0.000
P-9:J-4	1.123	264.5	0.000
P-9:J-3	1.116	263.3	0.000
P-8:J-3	0.181	263.3	0.000
P-7:J-1	0.168	230.7	0.000
P-6:J-1	0.056	230.7	0.000
P-4:J-1	0.056	230.7	0.000
P-4:PMP-1	0.056	227.7	0.000

\*\* Snapshot for selected end points at time 2.6000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
--------------	---------------	-------------	----------------

-----	-----	-----	-----
P-28:J-3	0.965	261.1	0.000
P-28:HT-1	0.965	263.0	0.000
P-11:J-5	1.105	263.2	0.000
P-10:J-4	1.096	262.6	0.000
P-9:J-4	1.096	262.6	0.000
P-9:J-3	1.088	261.1	0.000
P-8:J-3	0.123	261.1	0.000
P-7:J-1	0.106	230.7	0.000
P-6:J-1	0.035	230.7	0.000
P-4:J-1	0.035	230.7	0.000
P-4:PMP-1	0.035	227.2	0.000

\*\* Snapshot for selected end points at time 2.7000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.994	259.5	0.000
P-28:HT-1	0.993	261.1	0.000
P-11:J-5	1.077	261.3	0.000
P-10:J-4	1.070	260.8	0.000
P-9:J-4	1.070	260.8	0.000
P-9:J-3	1.062	259.5	0.000
P-8:J-3	0.068	259.5	0.000
P-7:J-1	0.041	230.1	0.000
P-6:J-1	0.014	230.1	0.000
P-4:J-1	0.014	230.1	0.000
P-4:PMP-1	0.013	226.9	0.000

\*\* Snapshot for selected end points at time 2.8000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	1.016	258.0	0.000
P-28:HT-1	1.016	259.2	0.000
P-11:J-5	1.053	259.6	0.000
P-10:J-4	1.046	259.1	0.000
P-9:J-4	1.046	259.1	0.000
P-9:J-3	1.039	258.0	0.000
P-8:J-3	0.023	258.0	0.000
P-7:J-1	-0.017	230.1	0.000
P-6:J-1	-0.006	230.1	0.000
P-4:J-1	-0.006	230.1	0.000
P-4:PMP-1	0.000	230.1	0.000

\*\* Snapshot for selected end points at time 2.9000 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point	(cms)	(m)	(m3)
-----	-----	-----	-----
P-28:J-3	1.031	256.8	0.000
P-28:HT-1	1.031	257.6	0.000
P-11:J-5	1.032	258.1	0.000
P-10:J-4	1.026	257.7	0.000
P-9:J-4	1.026	257.7	0.000
P-9:J-3	1.020	256.8	0.000
P-8:J-3	-0.011	256.8	0.000
P-7:J-1	-0.009	237.0	0.000
P-6:J-1	-0.003	237.0	0.000
P-4:J-1	-0.003	237.0	0.000
P-4:PMP-1	0.000	237.0	0.000

\*\* Snapshot for selected end points at time 3.0000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	1.040	255.2	0.000
P-28:HT-1	1.040	256.0	0.000
P-11:J-5	1.014	256.8	0.000
P-10:J-4	1.008	256.4	0.000
P-9:J-4	1.008	256.4	0.000
P-9:J-3	0.999	255.2	0.000
P-8:J-3	-0.041	255.2	0.000
P-7:J-1	-0.007	241.8	0.000
P-6:J-1	-0.002	241.8	0.000
P-4:J-1	-0.002	241.8	0.000
P-4:PMP-1	0.000	241.9	0.000

\*\* Snapshot for selected end points at time 3.1000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	1.055	253.2	0.000
P-28:HT-1	1.054	254.4	0.000
P-11:J-5	0.990	255.2	0.000
P-10:J-4	0.982	254.6	0.000
P-9:J-4	0.982	254.6	0.000
P-9:J-3	0.973	253.2	0.000
P-8:J-3	-0.081	253.2	0.000
P-7:J-1	-0.007	245.8	0.000
P-6:J-1	-0.002	245.8	0.000
P-4:J-1	-0.002	245.8	0.000
P-4:PMP-1	0.000	245.7	0.000

\*\* Snapshot for selected end points at time 3.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	1.076	251.1	0.000
P-28:HT-1	1.075	252.7	0.000
P-11:J-5	0.963	253.2	0.000
P-10:J-4	0.954	252.7	0.000
P-9:J-4	0.954	252.7	0.000
P-9:J-3	0.944	251.1	0.000
P-8:J-3	-0.131	251.1	0.000
P-7:J-1	-0.007	250.1	0.000
P-6:J-1	-0.002	250.1	0.000
P-4:J-1	-0.002	250.1	0.000
P-4:PMP-1	0.000	250.2	0.000

\*\* Snapshot for selected end points at time 3.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	1.098	250.1	0.000
P-28:HT-1	1.098	250.9	0.000
P-11:J-5	0.898	254.3	0.000
P-10:J-4	0.902	253.3	0.000
P-9:J-4	0.902	253.3	0.000
P-9:J-3	0.912	250.1	0.000
P-8:J-3	-0.186	250.1	0.000
P-7:J-1	-0.006	253.9	0.000
P-6:J-1	-0.002	253.9	0.000
P-4:J-1	-0.002	253.9	0.000
P-4:PMP-1	0.000	254.0	0.000

\*\* Snapshot for selected end points at time 3.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	1.063	254.1	0.000
P-28:HT-1	1.063	250.2	0.000
P-11:J-5	0.854	254.3	0.000
P-10:J-4	0.868	254.5	0.000
P-9:J-4	0.868	254.5	0.000
P-9:J-3	0.881	254.1	0.000
P-8:J-3	-0.182	254.1	0.000
P-7:J-1	-0.004	256.9	0.000
P-6:J-1	-0.001	256.9	0.000
P-4:J-1	-0.001	256.9	0.000
P-4:PMP-1	0.000	256.9	0.000

\*\* Snapshot for selected end points at time 3.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.986	254.1	0.000
P-28:HT-1	0.986	250.3	0.000
P-11:J-5	0.855	256.0	0.000
P-10:J-4	0.853	255.5	0.000
P-9:J-4	0.853	255.5	0.000
P-9:J-3	0.853	254.1	0.000
P-8:J-3	-0.133	254.1	0.000
P-7:J-1	-0.002	258.8	0.000
P-6:J-1	-0.001	258.8	0.000
P-4:J-1	-0.001	258.8	0.000
P-4:PMP-1	0.000	258.8	0.000

\*\* Snapshot for selected end points at time 3.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.916	253.7	0.000
P-28:HT-1	0.916	250.4	0.000
P-11:J-5	0.831	255.6	0.000
P-10:J-4	0.828	255.0	0.000
P-9:J-4	0.828	255.0	0.000
P-9:J-3	0.826	253.7	0.000
P-8:J-3	-0.090	253.7	0.000
P-7:J-1	-0.004	260.7	0.000
P-6:J-1	-0.001	260.7	0.000
P-4:J-1	-0.001	260.7	0.000
P-4:PMP-1	0.000	260.6	0.000

\*\* Snapshot for selected end points at time 3.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.854	253.4	0.000
P-28:HT-1	0.854	250.3	0.000
P-11:J-5	0.805	255.0	0.000
P-10:J-4	0.804	254.5	0.000
P-9:J-4	0.804	254.5	0.000
P-9:J-3	0.803	253.4	0.000
P-8:J-3	-0.050	253.4	0.000
P-7:J-1	-0.006	263.7	0.000
P-6:J-1	-0.002	263.7	0.000
P-4:J-1	-0.002	263.7	0.000
P-4:PMP-1	0.000	263.6	0.000

\*\* Snapshot for selected end points at time 3.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.793	253.3	0.000
P-28:HT-1	0.793	250.2	0.000
P-11:J-5	0.783	254.9	0.000
P-10:J-4	0.783	254.5	0.000
P-9:J-4	0.783	254.5	0.000
P-9:J-3	0.783	253.3	0.000
P-8:J-3	-0.010	253.3	0.000
P-7:J-1	-0.006	267.3	0.000
P-6:J-1	-0.002	267.3	0.000
P-4:J-1	-0.002	267.3	0.000
P-4:PMP-1	0.000	267.3	0.000

\*\* Snapshot for selected end points at time 3.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.735	253.0	0.000
P-28:HT-1	0.735	250.2	0.000
P-11:J-5	0.759	255.0	0.000
P-10:J-4	0.759	254.4	0.000
P-9:J-4	0.759	254.4	0.000
P-9:J-3	0.758	253.0	0.000
P-8:J-3	0.023	253.0	0.000
P-7:J-1	-0.006	273.6	0.000
P-6:J-1	-0.002	273.6	0.000
P-4:J-1	-0.002	273.6	0.000
P-4:PMP-1	0.000	275.1	0.000

\*\* Snapshot for selected end points at time 4.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.681	252.7	0.000
P-28:HT-1	0.681	250.1	0.000
P-11:J-5	0.731	255.0	0.000
P-10:J-4	0.731	254.4	0.000
P-9:J-4	0.731	254.4	0.000
P-9:J-3	0.730	252.7	0.000
P-8:J-3	0.049	252.7	0.000
P-7:J-1	0.011	271.3	0.000
P-6:J-1	0.004	271.3	0.000
P-4:J-1	0.004	271.3	0.000
P-4:PMP-1	0.000	271.6	0.000

\*\* Snapshot for selected end points at time 4.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.631	252.5	0.000
P-28:HT-1	0.631	249.9	0.000
P-11:J-5	0.698	255.0	0.000
P-10:J-4	0.698	254.3	0.000
P-9:J-4	0.698	254.3	0.000
P-9:J-3	0.697	252.5	0.000
P-8:J-3	0.066	252.5	0.000
P-7:J-1	0.008	265.8	0.000
P-6:J-1	0.003	265.8	0.000
P-4:J-1	0.003	265.8	0.000
P-4:PMP-1	0.000	265.9	0.000

\*\* Snapshot for selected end points at time 4.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.580	252.7	0.000
P-28:HT-1	0.580	249.9	0.000
P-11:J-5	0.664	254.9	0.000
P-10:J-4	0.665	254.3	0.000
P-9:J-4	0.665	254.3	0.000
P-9:J-3	0.667	252.7	0.000
P-8:J-3	0.087	252.7	0.000
P-7:J-1	0.007	261.0	0.000
P-6:J-1	0.002	261.0	0.000
P-4:J-1	0.002	261.0	0.000
P-4:PMP-1	0.000	261.0	0.000

\*\* Snapshot for selected end points at time 4.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.522	253.0	0.000
P-28:HT-1	0.522	249.8	0.000
P-11:J-5	0.634	255.2	0.000
P-10:J-4	0.635	254.6	0.000
P-9:J-4	0.635	254.6	0.000
P-9:J-3	0.637	253.0	0.000
P-8:J-3	0.114	253.0	0.000
P-7:J-1	0.008	256.5	0.000
P-6:J-1	0.003	256.5	0.000
P-4:J-1	0.003	256.5	0.000
P-4:PMP-1	0.000	256.5	0.000



\*\* Snapshot for selected end points at time 4.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.458	253.5	0.000
P-28:HT-1	0.458	249.9	0.000
P-11:J-5	0.606	255.4	0.000
P-10:J-4	0.609	254.8	0.000
P-9:J-4	0.609	254.8	0.000
P-9:J-3	0.610	253.5	0.000
P-8:J-3	0.152	253.5	0.000
P-7:J-1	0.007	252.3	0.000
P-6:J-1	0.002	252.3	0.000
P-4:J-1	0.002	252.3	0.000
P-4:PMP-1	0.000	252.2	0.000

\*\* Snapshot for selected end points at time 4.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.383	253.1	0.000
P-28:HT-1	0.383	250.0	0.000
P-11:J-5	0.572	257.1	0.000
P-10:J-4	0.583	256.6	0.000
P-9:J-4	0.583	256.6	0.000
P-9:J-3	0.574	253.1	0.000
P-8:J-3	0.190	253.1	0.000
P-7:J-1	0.005	248.8	0.000
P-6:J-1	0.002	248.8	0.000
P-4:J-1	0.002	248.8	0.000
P-4:PMP-1	0.000	248.8	0.000

\*\* Snapshot for selected end points at time 4.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.345	251.2	0.000
P-28:HT-1	0.345	249.9	0.000
P-11:J-5	0.509	257.2	0.000
P-10:J-4	0.508	255.4	0.000
P-9:J-4	0.508	255.4	0.000
P-9:J-3	0.502	251.2	0.000
P-8:J-3	0.157	251.2	0.000
P-7:J-1	0.004	246.2	0.000
P-6:J-1	0.001	246.2	0.000
P-4:J-1	0.001	246.2	0.000

P-4:PMP-1	0.000	246.2	0.000
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\*\* Snapshot for selected end points at time 4.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.319	251.3	0.000
P-28:HT-1	0.319	249.7	0.000
P-11:J-5	0.432	256.5	0.000
P-10:J-4	0.431	255.2	0.000
P-9:J-4	0.431	255.2	0.000
P-9:J-3	0.429	251.3	0.000
P-8:J-3	0.110	251.3	0.000
P-7:J-1	0.003	244.3	0.000
P-6:J-1	0.001	244.3	0.000
P-4:J-1	0.001	244.3	0.000
P-4:PMP-1	0.000	244.3	0.000

\*\* Snapshot for selected end points at time 4.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.290	251.0	0.000
P-28:HT-1	0.290	249.6	0.000
P-11:J-5	0.369	255.7	0.000
P-10:J-4	0.365	254.4	0.000
P-9:J-4	0.365	254.4	0.000
P-9:J-3	0.362	251.0	0.000
P-8:J-3	0.071	251.0	0.000
P-7:J-1	0.005	242.0	0.000
P-6:J-1	0.002	242.0	0.000
P-4:J-1	0.002	242.0	0.000
P-4:PMP-1	0.000	242.0	0.000

\*\* Snapshot for selected end points at time 4.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.268	250.6	0.000
P-28:HT-1	0.268	249.5	0.000
P-11:J-5	0.301	255.3	0.000
P-10:J-4	0.300	254.1	0.000
P-9:J-4	0.300	254.1	0.000
P-9:J-3	0.301	250.6	0.000
P-8:J-3	0.033	250.6	0.000
P-7:J-1	0.006	238.9	0.000
P-6:J-1	0.002	238.9	0.000

P-4:J-1	0.002	238.9	0.000
P-4:PMP-1	0.000	239.0	0.000

\*\* Snapshot for selected end points at time 5.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.243	250.7	0.000
P-28:HT-1	0.243	249.3	0.000
P-11:J-5	0.244	254.8	0.000
P-10:J-4	0.242	253.7	0.000
P-9:J-4	0.242	253.7	0.000
P-9:J-3	0.240	250.7	0.000
P-8:J-3	-0.003	250.7	0.000
P-7:J-1	0.009	234.3	0.000
P-6:J-1	0.003	234.3	0.000
P-4:J-1	0.003	234.3	0.000
P-4:PMP-1	0.000	234.2	0.000

\*\* Snapshot for selected end points at time 5.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.218	250.6	0.000
P-28:HT-1	0.218	249.2	0.000
P-11:J-5	0.192	254.2	0.000
P-10:J-4	0.190	253.2	0.000
P-9:J-4	0.190	253.2	0.000
P-9:J-3	0.188	250.6	0.000
P-8:J-3	-0.029	250.6	0.000
P-7:J-1	-0.004	232.6	0.000
P-6:J-1	-0.001	232.6	0.000
P-4:J-1	-0.001	232.6	0.000
P-4:PMP-1	0.000	232.2	0.000

\*\* Snapshot for selected end points at time 5.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.193	250.5	0.000
P-28:HT-1	0.193	249.1	0.000
P-11:J-5	0.138	254.2	0.000
P-10:J-4	0.141	253.2	0.000
P-9:J-4	0.141	253.2	0.000
P-9:J-3	0.144	250.5	0.000
P-8:J-3	-0.049	250.5	0.000
P-7:J-1	-0.009	236.8	0.000

P-6:J-1	-0.003	236.8	0.000
P-4:J-1	-0.003	236.8	0.000
P-4:PMP-1	0.000	236.4	0.000

\*\* Snapshot for selected end points at time 5.3000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.162	250.8	0.000
P-28:HT-1	0.162	249.1	0.000
P-11:J-5	0.092	254.6	0.000
P-10:J-4	0.092	253.6	0.000
P-9:J-4	0.092	253.6	0.000
P-9:J-3	0.092	250.8	0.000
P-8:J-3	-0.070	250.8	0.000
P-7:J-1	-0.006	241.6	0.000
P-6:J-1	-0.002	241.6	0.000
P-4:J-1	-0.002	241.6	0.000
P-4:PMP-1	0.000	241.5	0.000

\*\* Snapshot for selected end points at time 5.4000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.131	250.5	0.000
P-28:HT-1	0.131	249.0	0.000
P-11:J-5	0.043	254.4	0.000
P-10:J-4	0.041	253.3	0.000
P-9:J-4	0.041	253.3	0.000
P-9:J-3	0.039	250.5	0.000
P-8:J-3	-0.092	250.5	0.000
P-7:J-1	-0.005	245.0	0.000
P-6:J-1	-0.002	245.0	0.000
P-4:J-1	-0.002	245.0	0.000
P-4:PMP-1	0.000	245.0	0.000

\*\* Snapshot for selected end points at time 5.5000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.107	249.9	0.000
P-28:HT-1	0.107	249.0	0.000
P-11:J-5	-0.006	253.8	0.000
P-10:J-4	-0.010	252.8	0.000
P-9:J-4	-0.010	252.8	0.000
P-9:J-3	-0.014	249.9	0.000
P-8:J-3	-0.121	249.9	0.000

P-7:J-1	-0.006	249.3	0.000
P-6:J-1	-0.002	249.3	0.000
P-4:J-1	-0.002	249.3	0.000
P-4:PMP-1	0.000	249.5	0.000

\*\* Snapshot for selected end points at time 5.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.096	249.4	0.000
P-28:HT-1	0.096	248.9	0.000
P-11:J-5	-0.057	252.8	0.000
P-10:J-4	-0.060	251.7	0.000
P-9:J-4	-0.060	251.7	0.000
P-9:J-3	-0.062	249.4	0.000
P-8:J-3	-0.158	249.4	0.000
P-7:J-1	-0.005	252.5	0.000
P-6:J-1	-0.002	252.5	0.000
P-4:J-1	-0.002	252.5	0.000
P-4:PMP-1	0.000	252.5	0.000

\*\* Snapshot for selected end points at time 5.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.071	251.3	0.000
P-28:HT-1	0.071	248.8	0.000
P-11:J-5	-0.105	253.1	0.000
P-10:J-4	-0.097	252.5	0.000
P-9:J-4	-0.097	252.5	0.000
P-9:J-3	-0.086	251.3	0.000
P-8:J-3	-0.157	251.3	0.000
P-7:J-1	-0.003	254.9	0.000
P-6:J-1	-0.001	254.9	0.000
P-4:J-1	-0.001	254.9	0.000
P-4:PMP-1	0.000	254.9	0.000

\*\* Snapshot for selected end points at time 5.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.009	252.9	0.000
P-28:HT-1	0.009	248.8	0.000
P-11:J-5	-0.130	255.3	0.000
P-10:J-4	-0.122	254.6	0.000
P-9:J-4	-0.122	254.6	0.000
P-9:J-3	-0.115	252.9	0.000

P-8:J-3	-0.123	252.9	0.000
P-7:J-1	-0.005	257.2	0.000
P-6:J-1	-0.002	257.2	0.000
P-4:J-1	-0.002	257.2	0.000
P-4:PMP-1	0.000	257.3	0.000

\*\* Snapshot for selected end points at time 5.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.070	253.2	0.000
P-28:HT-1	-0.070	249.0	0.000
P-11:J-5	-0.155	256.2	0.000
P-10:J-4	-0.157	255.4	0.000
P-9:J-4	-0.157	255.4	0.000
P-9:J-3	-0.160	253.2	0.000
P-8:J-3	-0.090	253.2	0.000
P-7:J-1	-0.004	259.5	0.000
P-6:J-1	-0.001	259.5	0.000
P-4:J-1	-0.001	259.5	0.000
P-4:PMP-1	0.000	259.5	0.000

\*\* Snapshot for selected end points at time 6.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.142	253.0	0.000
P-28:HT-1	-0.142	249.4	0.000
P-11:J-5	-0.182	254.8	0.000
P-10:J-4	-0.200	255.2	0.000
P-9:J-4	-0.200	255.2	0.000
P-9:J-3	-0.197	253.0	0.000
P-8:J-3	-0.055	253.0	0.000
P-7:J-1	-0.004	261.8	0.000
P-6:J-1	-0.001	261.8	0.000
P-4:J-1	-0.001	261.8	0.000
P-4:PMP-1	0.000	261.7	0.000

\*\* Snapshot for selected end points at time 6.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.203	251.8	0.000
P-28:HT-1	-0.203	249.9	0.000
P-11:J-5	-0.210	253.6	0.000
P-10:J-4	-0.210	253.0	0.000
P-9:J-4	-0.210	253.0	0.000

P-9:J-3	-0.209	251.8	0.000
P-8:J-3	-0.007	251.8	0.000
P-7:J-1	-0.006	264.8	0.000
P-6:J-1	-0.002	264.8	0.000
P-4:J-1	-0.002	264.8	0.000
P-4:PMP-1	0.000	264.7	0.000

\*\* Snapshot for selected end points at time 6.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.239	252.5	0.000
P-28:HT-1	-0.239	250.5	0.000
P-11:J-5	-0.235	254.1	0.000
P-10:J-4	-0.230	253.7	0.000
P-9:J-4	-0.230	253.7	0.000
P-9:J-3	-0.227	252.5	0.000
P-8:J-3	0.012	252.5	0.000
P-7:J-1	-0.003	267.7	0.000
P-6:J-1	-0.001	267.7	0.000
P-4:J-1	-0.001	267.7	0.000
P-4:PMP-1	0.000	267.9	0.000

\*\* Snapshot for selected end points at time 6.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.277	253.1	0.000
P-28:HT-1	-0.277	251.1	0.000
P-11:J-5	-0.255	254.8	0.000
P-10:J-4	-0.253	254.4	0.000
P-9:J-4	-0.253	254.4	0.000
P-9:J-3	-0.250	253.1	0.000
P-8:J-3	0.026	253.1	0.000
P-7:J-1	0.004	267.6	0.000
P-6:J-1	0.001	267.6	0.000
P-4:J-1	0.001	267.6	0.000
P-4:PMP-1	0.000	267.8	0.000

\*\* Snapshot for selected end points at time 6.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.315	253.7	0.000
P-28:HT-1	-0.315	251.8	0.000
P-11:J-5	-0.273	254.9	0.000
P-10:J-4	-0.272	254.6	0.000

P-9:J-4	-0.272	254.6	0.000
P-9:J-3	-0.270	253.7	0.000
P-8:J-3	0.044	253.7	0.000
P-7:J-1	0.006	264.5	0.000
P-6:J-1	0.002	264.5	0.000
P-4:J-1	0.002	264.5	0.000
P-4:PMP-1	0.000	264.4	0.000

\*\* Snapshot for selected end points at time 6.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.346	254.1	0.000
P-28:HT-1	-0.346	252.5	0.000
P-11:J-5	-0.292	255.4	0.000
P-10:J-4	-0.290	255.0	0.000
P-9:J-4	-0.290	255.0	0.000
P-9:J-3	-0.286	254.1	0.000
P-8:J-3	0.060	254.1	0.000
P-7:J-1	0.007	260.9	0.000
P-6:J-1	0.002	260.9	0.000
P-4:J-1	0.002	260.9	0.000
P-4:PMP-1	0.000	260.7	0.000

\*\* Snapshot for selected end points at time 6.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.377	255.0	0.000
P-28:HT-1	-0.376	253.3	0.000
P-11:J-5	-0.310	256.1	0.000
P-10:J-4	-0.306	255.8	0.000
P-9:J-4	-0.306	255.8	0.000
P-9:J-3	-0.301	255.0	0.000
P-8:J-3	0.075	255.0	0.000
P-7:J-1	0.011	256.3	0.000
P-6:J-1	0.004	256.3	0.000
P-4:J-1	0.004	256.3	0.000
P-4:PMP-1	0.000	258.0	0.000

\*\* Snapshot for selected end points at time 6.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.411	256.1	0.000
P-28:HT-1	-0.411	254.2	0.000
P-11:J-5	-0.327	257.3	0.000



P-10:J-4	-0.321	257.0	0.000
P-9:J-4	-0.321	257.0	0.000
P-9:J-3	-0.315	256.1	0.000
P-8:J-3	0.095	256.1	0.000
P-7:J-1	-0.003	251.4	0.000
P-6:J-1	-0.001	251.4	0.000
P-4:J-1	-0.001	251.4	0.000
P-4:PMP-1	0.000	251.6	0.000

\*\* Snapshot for selected end points at time 6.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.445	256.7	0.000
P-28:HT-1	-0.445	255.1	0.000
P-11:J-5	-0.342	258.5	0.000
P-10:J-4	-0.339	258.1	0.000
P-9:J-4	-0.339	258.1	0.000
P-9:J-3	-0.338	256.7	0.000
P-8:J-3	0.106	256.7	0.000
P-7:J-1	0.002	250.6	0.000
P-6:J-1	0.001	250.6	0.000
P-4:J-1	0.001	250.6	0.000
P-4:PMP-1	0.000	250.4	0.000

\*\* Snapshot for selected end points at time 6.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.462	256.2	0.000
P-28:HT-1	-0.462	255.9	0.000
P-11:J-5	-0.365	258.6	0.000
P-10:J-4	-0.366	257.9	0.000
P-9:J-4	-0.366	257.9	0.000
P-9:J-3	-0.370	256.2	0.000
P-8:J-3	0.092	256.2	0.000
P-7:J-1	0.002	249.7	0.000
P-6:J-1	0.001	249.7	0.000
P-4:J-1	0.001	249.7	0.000
P-4:PMP-1	0.000	249.8	0.000

\*\* Snapshot for selected end points at time 7.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.460	256.0	0.000
P-28:HT-1	-0.460	256.3	0.000

P-11:J-5	-0.396	258.0	0.000
P-10:J-4	-0.399	257.5	0.000
P-9:J-4	-0.399	257.5	0.000
P-9:J-3	-0.398	256.0	0.000
P-8:J-3	0.062	256.0	0.000
P-7:J-1	0.002	248.1	0.000
P-6:J-1	0.001	248.1	0.000
P-4:J-1	0.001	248.1	0.000
P-4:PMP-1	0.000	248.1	0.000

\*\* Snapshot for selected end points at time 7.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.451	255.9	0.000
P-28:HT-1	-0.451	256.5	0.000
P-11:J-5	-0.412	257.1	0.000
P-10:J-4	-0.417	256.4	0.000
P-9:J-4	-0.417	256.4	0.000
P-9:J-3	-0.422	255.9	0.000
P-8:J-3	0.029	255.9	0.000
P-7:J-1	0.001	247.2	0.000
P-6:J-1	0.000	247.2	0.000
P-4:J-1	0.000	247.2	0.000
P-4:PMP-1	0.000	247.2	0.000

\*\* Snapshot for selected end points at time 7.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.428	255.1	0.000
P-28:HT-1	-0.428	256.6	0.000
P-11:J-5	-0.473	259.6	0.000
P-10:J-4	-0.458	258.7	0.000
P-9:J-4	-0.458	258.7	0.000
P-9:J-3	-0.449	255.1	0.000
P-8:J-3	-0.021	255.1	0.000
P-7:J-1	0.002	246.3	0.000
P-6:J-1	0.001	246.3	0.000
P-4:J-1	0.001	246.3	0.000
P-4:PMP-1	0.000	246.3	0.000

\*\* Snapshot for selected end points at time 7.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.432	258.7	0.000

P-28:HT-1	-0.431	257.0	0.000
P-11:J-5	-0.523	261.5	0.000
P-10:J-4	-0.510	261.0	0.000
P-9:J-4	-0.510	261.0	0.000
P-9:J-3	-0.499	258.7	0.000
P-8:J-3	-0.067	258.7	0.000
P-7:J-1	0.001	245.3	0.000
P-6:J-1	0.000	245.3	0.000
P-4:J-1	0.000	245.3	0.000
P-4:PMP-1	0.000	245.3	0.000

\*\* Snapshot for selected end points at time 7.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.462	259.8	0.000
P-28:HT-1	-0.462	258.0	0.000
P-11:J-5	-0.565	263.9	0.000
P-10:J-4	-0.560	262.7	0.000
P-9:J-4	-0.560	262.7	0.000
P-9:J-3	-0.550	259.8	0.000
P-8:J-3	-0.088	259.8	0.000
P-7:J-1	-0.002	245.4	0.000
P-6:J-1	-0.001	245.4	0.000
P-4:J-1	-0.001	245.4	0.000
P-4:PMP-1	0.000	245.3	0.000

\*\* Snapshot for selected end points at time 7.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.497	261.0	0.000
P-28:HT-1	-0.497	259.2	0.000
P-11:J-5	-0.615	265.1	0.000
P-10:J-4	-0.612	264.0	0.000
P-9:J-4	-0.612	264.0	0.000
P-9:J-3	-0.608	261.0	0.000
P-8:J-3	-0.111	261.0	0.000
P-7:J-1	-0.006	247.7	0.000
P-6:J-1	-0.002	247.7	0.000
P-4:J-1	-0.002	247.7	0.000
P-4:PMP-1	0.000	247.6	0.000

\*\* Snapshot for selected end points at time 7.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	-0.527	262.0	0.000
P-28:HT-1	-0.527	260.3	0.000
P-11:J-5	-0.669	265.8	0.000
P-10:J-4	-0.665	264.7	0.000
P-9:J-4	-0.665	264.7	0.000
P-9:J-3	-0.661	262.0	0.000
P-8:J-3	-0.133	262.0	0.000
P-7:J-1	-0.006	251.2	0.000
P-6:J-1	-0.002	251.2	0.000
P-4:J-1	-0.002	251.2	0.000
P-4:PMP-1	0.000	251.3	0.000

\*\* Snapshot for selected end points at time 7.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.557	263.2	0.000
P-28:HT-1	-0.557	261.5	0.000
P-11:J-5	-0.716	266.6	0.000
P-10:J-4	-0.712	265.7	0.000
P-9:J-4	-0.712	265.7	0.000
P-9:J-3	-0.709	263.2	0.000
P-8:J-3	-0.151	263.2	0.000
P-7:J-1	-0.003	254.1	0.000
P-6:J-1	-0.001	254.1	0.000
P-4:J-1	-0.001	254.1	0.000
P-4:PMP-1	0.000	254.0	0.000

\*\* Snapshot for selected end points at time 7.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.584	264.1	0.000
P-28:HT-1	-0.583	262.7	0.000
P-11:J-5	-0.756	267.0	0.000
P-10:J-4	-0.755	266.3	0.000
P-9:J-4	-0.755	266.3	0.000
P-9:J-3	-0.752	264.1	0.000
P-8:J-3	-0.169	264.1	0.000
P-7:J-1	-0.015	262.3	0.000
P-6:J-1	-0.005	262.3	0.000
P-4:J-1	-0.005	262.3	0.000
P-4:PMP-1	0.000	263.5	0.000

\*\* Snapshot for selected end points at time 7.9000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
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-----	-----	-----	-----
P-28:J-3	-0.604	264.9	0.000
P-28:HT-1	-0.604	263.9	0.000
P-11:J-5	-0.794	267.4	0.000
P-10:J-4	-0.791	266.6	0.000
P-9:J-4	-0.791	266.6	0.000
P-9:J-3	-0.787	264.9	0.000
P-8:J-3	-0.182	264.9	0.000
P-7:J-1	-0.004	267.9	0.000
P-6:J-1	-0.001	267.9	0.000
P-4:J-1	-0.001	267.9	0.000
P-4:PMP-1	0.000	268.0	0.000

\*\* Snapshot for selected end points at time 8.0000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.625	266.6	0.000
P-28:HT-1	-0.625	265.1	0.000
P-11:J-5	-0.830	268.7	0.000
P-10:J-4	-0.822	268.1	0.000
P-9:J-4	-0.822	268.1	0.000
P-9:J-3	-0.812	266.6	0.000
P-8:J-3	-0.187	266.6	0.000
P-7:J-1	-0.006	271.4	0.000
P-6:J-1	-0.002	271.4	0.000
P-4:J-1	-0.002	271.4	0.000
P-4:PMP-1	0.000	271.6	0.000

\*\* Snapshot for selected end points at time 8.1000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.659	268.9	0.000
P-28:HT-1	-0.659	266.6	0.000
P-11:J-5	-0.859	270.8	0.000
P-10:J-4	-0.849	270.3	0.000
P-9:J-4	-0.849	270.3	0.000
P-9:J-3	-0.838	268.9	0.000
P-8:J-3	-0.179	268.9	0.000
P-7:J-1	-0.006	274.8	0.000
P-6:J-1	-0.002	274.8	0.000
P-4:J-1	-0.002	274.8	0.000
P-4:PMP-1	0.000	274.8	0.000

\*\* Snapshot for selected end points at time 8.2000 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point	(cms)	(m)	(m3)
-----	-----	-----	-----
P-28:J-3	-0.701	270.9	0.000
P-28:HT-1	-0.701	268.6	0.000
P-11:J-5	-0.887	273.4	0.000
P-10:J-4	-0.877	272.8	0.000
P-9:J-4	-0.877	272.8	0.000
P-9:J-3	-0.867	270.9	0.000
P-8:J-3	-0.166	270.9	0.000
P-7:J-1	-0.005	278.1	0.000
P-6:J-1	-0.002	278.1	0.000
P-4:J-1	-0.002	278.1	0.000
P-4:PMP-1	0.000	278.1	0.000

\*\* Snapshot for selected end points at time 8.3000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.744	273.4	0.000
P-28:HT-1	-0.744	270.7	0.000
P-11:J-5	-0.898	273.8	0.000
P-10:J-4	-0.900	273.8	0.000
P-9:J-4	-0.900	273.8	0.000
P-9:J-3	-0.895	273.4	0.000
P-8:J-3	-0.151	273.4	0.000
P-7:J-1	-0.005	281.0	0.000
P-6:J-1	-0.002	281.0	0.000
P-4:J-1	-0.002	281.0	0.000
P-4:PMP-1	0.000	281.0	0.000

\*\* Snapshot for selected end points at time 8.4000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.798	275.3	0.000
P-28:HT-1	-0.797	273.2	0.000
P-11:J-5	-0.890	274.1	0.000
P-10:J-4	-0.879	274.7	0.000
P-9:J-4	-0.879	274.7	0.000
P-9:J-3	-0.882	275.3	0.000
P-8:J-3	-0.085	275.3	0.000
P-7:J-1	-0.004	283.7	0.000
P-6:J-1	-0.001	283.7	0.000
P-4:J-1	-0.001	283.7	0.000
P-4:PMP-1	0.000	283.7	0.000

\*\* Snapshot for selected end points at time 8.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.816	275.5	0.000
P-28:HT-1	-0.816	274.8	0.000
P-11:J-5	-0.891	276.0	0.000
P-10:J-4	-0.879	275.7	0.000
P-9:J-4	-0.879	275.7	0.000
P-9:J-3	-0.873	275.5	0.000
P-8:J-3	-0.057	275.5	0.000
P-7:J-1	-0.004	285.8	0.000
P-6:J-1	-0.001	285.8	0.000
P-4:J-1	-0.001	285.8	0.000
P-4:PMP-1	0.000	285.8	0.000

\*\* Snapshot for selected end points at time 8.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.834	277.9	0.000
P-28:HT-1	-0.834	276.4	0.000
P-11:J-5	-0.900	278.5	0.000
P-10:J-4	-0.886	278.5	0.000
P-9:J-4	-0.886	278.5	0.000
P-9:J-3	-0.877	277.9	0.000
P-8:J-3	-0.043	277.9	0.000
P-7:J-1	-0.002	287.7	0.000
P-6:J-1	-0.001	287.7	0.000
P-4:J-1	-0.001	287.7	0.000
P-4:PMP-1	0.000	287.8	0.000

\*\* Snapshot for selected end points at time 8.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.859	280.0	0.000
P-28:HT-1	-0.858	278.4	0.000
P-11:J-5	-0.906	280.8	0.000
P-10:J-4	-0.899	280.6	0.000
P-9:J-4	-0.899	280.6	0.000
P-9:J-3	-0.891	280.0	0.000
P-8:J-3	-0.032	280.0	0.000
P-7:J-1	-0.001	288.6	0.000
P-6:J-1	0.000	288.6	0.000
P-4:J-1	0.000	288.6	0.000
P-4:PMP-1	0.000	288.6	0.000

\*\* Snapshot for selected end points at time 8.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.883	281.5	0.000
P-28:HT-1	-0.882	280.4	0.000
P-11:J-5	-0.904	281.4	0.000
P-10:J-4	-0.902	281.4	0.000
P-9:J-4	-0.902	281.4	0.000
P-9:J-3	-0.900	281.5	0.000
P-8:J-3	-0.017	281.5	0.000
P-7:J-1	-0.002	289.5	0.000
P-6:J-1	-0.001	289.5	0.000
P-4:J-1	-0.001	289.5	0.000
P-4:PMP-1	0.000	289.6	0.000

\*\* Snapshot for selected end points at time 8.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.894	282.5	0.000
P-28:HT-1	-0.893	282.0	0.000
P-11:J-5	-0.905	282.2	0.000
P-10:J-4	-0.900	282.3	0.000
P-9:J-4	-0.900	282.3	0.000
P-9:J-3	-0.894	282.5	0.000
P-8:J-3	0.000	282.5	0.000
P-7:J-1	0.011	287.5	0.000
P-6:J-1	0.004	287.5	0.000
P-4:J-1	0.004	287.5	0.000
P-4:PMP-1	0.000	287.6	0.000

\*\* Snapshot for selected end points at time 9.0000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.899	283.8	0.000
P-28:HT-1	-0.899	283.4	0.000
P-11:J-5	-0.900	283.5	0.000
P-10:J-4	-0.896	283.7	0.000
P-9:J-4	-0.896	283.7	0.000
P-9:J-3	-0.890	283.8	0.000
P-8:J-3	0.009	283.8	0.000
P-7:J-1	0.004	282.4	0.000
P-6:J-1	0.001	282.4	0.000
P-4:J-1	0.001	282.4	0.000
P-4:PMP-1	0.000	281.8	0.000



\*\* Snapshot for selected end points at time 9.1000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.902	285.0	0.000
P-28:HT-1	-0.901	284.8	0.000
P-11:J-5	-0.896	284.7	0.000
P-10:J-4	-0.891	284.8	0.000
P-9:J-4	-0.891	284.8	0.000
P-9:J-3	-0.884	285.0	0.000
P-8:J-3	0.017	285.0	0.000
P-7:J-1	-0.002	281.9	0.000
P-6:J-1	-0.001	281.9	0.000
P-4:J-1	-0.001	281.9	0.000
P-4:PMP-1	0.000	281.6	0.000

\*\* Snapshot for selected end points at time 9.2000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.901	286.1	0.000
P-28:HT-1	-0.901	286.1	0.000
P-11:J-5	-0.886	285.6	0.000
P-10:J-4	-0.883	285.8	0.000
P-9:J-4	-0.883	285.8	0.000
P-9:J-3	-0.880	286.1	0.000
P-8:J-3	0.021	286.1	0.000
P-7:J-1	0.000	282.8	0.000
P-6:J-1	0.000	282.8	0.000
P-4:J-1	0.000	282.8	0.000
P-4:PMP-1	0.000	282.8	0.000

\*\* Snapshot for selected end points at time 9.3000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.893	286.8	0.000
P-28:HT-1	-0.892	287.2	0.000
P-11:J-5	-0.877	286.0	0.000
P-10:J-4	-0.875	286.2	0.000
P-9:J-4	-0.875	286.2	0.000
P-9:J-3	-0.873	286.8	0.000
P-8:J-3	0.020	286.8	0.000
P-7:J-1	0.002	283.6	0.000
P-6:J-1	0.001	283.6	0.000
P-4:J-1	0.001	283.6	0.000
P-4:PMP-1	0.000	283.6	0.000

\*\* Snapshot for selected end points at time 9.4000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.880	287.4	0.000
P-28:HT-1	-0.880	288.2	0.000
P-11:J-5	-0.870	286.8	0.000
P-10:J-4	-0.863	287.0	0.000
P-9:J-4	-0.863	287.0	0.000
P-9:J-3	-0.861	287.4	0.000
P-8:J-3	0.019	287.4	0.000
P-7:J-1	0.002	282.8	0.000
P-6:J-1	0.001	282.8	0.000
P-4:J-1	0.001	282.8	0.000
P-4:PMP-1	0.000	282.7	0.000

\*\* Snapshot for selected end points at time 9.5000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.850	286.6	0.000
P-28:HT-1	-0.850	288.5	0.000
P-11:J-5	-0.875	288.6	0.000
P-10:J-4	-0.872	288.0	0.000
P-9:J-4	-0.872	288.0	0.000
P-9:J-3	-0.872	286.6	0.000
P-8:J-3	-0.022	286.6	0.000
P-7:J-1	0.000	282.6	0.000
P-6:J-1	0.000	282.6	0.000
P-4:J-1	0.000	282.6	0.000
P-4:PMP-1	0.000	282.6	0.000

\*\* Snapshot for selected end points at time 9.6000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.822	288.6	0.000
P-28:HT-1	-0.821	289.0	0.000
P-11:J-5	-0.901	289.3	0.000
P-10:J-4	-0.896	289.1	0.000
P-9:J-4	-0.896	289.1	0.000
P-9:J-3	-0.885	288.6	0.000
P-8:J-3	-0.063	288.6	0.000
P-7:J-1	-0.001	283.0	0.000
P-6:J-1	0.000	283.0	0.000
P-4:J-1	0.000	283.0	0.000
P-4:PMP-1	0.000	283.1	0.000

\*\* Snapshot for selected end points at time 9.7000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.818	290.5	0.000
P-28:HT-1	-0.818	290.3	0.000
P-11:J-5	-0.910	291.1	0.000
P-10:J-4	-0.901	290.8	0.000
P-9:J-4	-0.901	290.8	0.000
P-9:J-3	-0.892	290.5	0.000
P-8:J-3	-0.074	290.5	0.000
P-7:J-1	-0.001	283.5	0.000
P-6:J-1	0.000	283.5	0.000
P-4:J-1	0.000	283.5	0.000
P-4:PMP-1	0.000	283.6	0.000

\*\* Snapshot for selected end points at time 9.8000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.820	292.1	0.000
P-28:HT-1	-0.820	291.9	0.000
P-11:J-5	-0.901	291.8	0.000
P-10:J-4	-0.903	292.1	0.000
P-9:J-4	-0.903	292.1	0.000
P-9:J-3	-0.901	292.1	0.000
P-8:J-3	-0.081	292.1	0.000
P-7:J-1	-0.002	284.2	0.000
P-6:J-1	-0.001	284.2	0.000
P-4:J-1	-0.001	284.2	0.000
P-4:PMP-1	0.000	284.1	0.000

\*\* Snapshot for selected end points at time 9.9000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.813	292.7	0.000
P-28:HT-1	-0.812	293.1	0.000
P-11:J-5	-0.905	292.9	0.000
P-10:J-4	-0.907	293.4	0.000
P-9:J-4	-0.907	293.4	0.000
P-9:J-3	-0.900	292.7	0.000
P-8:J-3	-0.087	292.7	0.000
P-7:J-1	-0.001	284.9	0.000
P-6:J-1	0.000	284.9	0.000
P-4:J-1	0.000	284.9	0.000

P-4:PMP-1	0.000	285.0	0.000
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\*\* Snapshot for selected end points at time 10.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.800	293.3	0.000
P-28:HT-1	-0.800	294.3	0.000
P-11:J-5	-0.916	294.1	0.000
P-10:J-4	-0.910	293.8	0.000
P-9:J-4	-0.910	293.8	0.000
P-9:J-3	-0.899	293.3	0.000
P-8:J-3	-0.100	293.3	0.000
P-7:J-1	-0.006	286.6	0.000
P-6:J-1	-0.002	286.6	0.000
P-4:J-1	-0.002	286.6	0.000
P-4:PMP-1	0.000	286.3	0.000

\*\* Snapshot for selected end points at time 10.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.790	295.4	0.000
P-28:HT-1	-0.790	295.5	0.000
P-11:J-5	-0.923	295.9	0.000
P-10:J-4	-0.913	295.8	0.000
P-9:J-4	-0.913	295.8	0.000
P-9:J-3	-0.905	295.4	0.000
P-8:J-3	-0.116	295.4	0.000
P-7:J-1	-0.012	292.4	0.000
P-6:J-1	-0.004	292.4	0.000
P-4:J-1	-0.004	292.4	0.000
P-4:PMP-1	0.000	292.3	0.000

\*\* Snapshot for selected end points at time 10.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.787	297.2	0.000
P-28:HT-1	-0.786	297.0	0.000
P-11:J-5	-0.933	298.2	0.000
P-10:J-4	-0.925	298.0	0.000
P-9:J-4	-0.925	298.0	0.000
P-9:J-3	-0.916	297.2	0.000
P-8:J-3	-0.129	297.2	0.000
P-7:J-1	-0.005	297.4	0.000
P-6:J-1	-0.002	297.4	0.000

P-4:J-1	-0.002	297.4	0.000
P-4:PMP-1	0.000	297.5	0.000

\*\* Snapshot for selected end points at time 10.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.789	299.0	0.000
P-28:HT-1	-0.789	298.8	0.000
P-11:J-5	-0.942	299.8	0.000
P-10:J-4	-0.935	299.6	0.000
P-9:J-4	-0.935	299.6	0.000
P-9:J-3	-0.929	299.0	0.000
P-8:J-3	-0.140	299.0	0.000
P-7:J-1	-0.005	299.8	0.000
P-6:J-1	-0.002	299.8	0.000
P-4:J-1	-0.002	299.8	0.000
P-4:PMP-1	0.000	299.5	0.000

\*\* Snapshot for selected end points at time 10.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.789	300.7	0.000
P-28:HT-1	-0.789	300.5	0.000
P-11:J-5	-0.953	301.4	0.000
P-10:J-4	-0.946	301.2	0.000
P-9:J-4	-0.946	301.2	0.000
P-9:J-3	-0.937	300.7	0.000
P-8:J-3	-0.148	300.7	0.000
P-7:J-1	0.000	301.1	0.000
P-6:J-1	0.000	301.1	0.000
P-4:J-1	0.000	301.1	0.000
P-4:PMP-1	0.000	301.0	0.000

\*\* Snapshot for selected end points at time 10.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.789	302.4	0.000
P-28:HT-1	-0.789	302.3	0.000
P-11:J-5	-0.959	302.9	0.000
P-10:J-4	-0.953	302.8	0.000
P-9:J-4	-0.953	302.8	0.000
P-9:J-3	-0.946	302.4	0.000
P-8:J-3	-0.157	302.4	0.000
P-7:J-1	-0.002	303.6	0.000

P-6:J-1	-0.001	303.6	0.000
P-4:J-1	-0.001	303.6	0.000
P-4:PMP-1	0.000	304.5	0.000

\*\* Snapshot for selected end points at time 10.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.793	305.0	0.000
P-28:HT-1	-0.793	304.3	0.000
P-11:J-5	-0.955	303.8	0.000
P-10:J-4	-0.950	304.1	0.000
P-9:J-4	-0.950	304.1	0.000
P-9:J-3	-0.940	305.0	0.000
P-8:J-3	-0.147	305.0	0.000
P-7:J-1	-0.010	306.2	0.000
P-6:J-1	-0.003	306.2	0.000
P-4:J-1	-0.003	306.2	0.000
P-4:PMP-1	0.000	306.6	0.000

\*\* Snapshot for selected end points at time 10.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.807	307.4	0.000
P-28:HT-1	-0.806	306.7	0.000
P-11:J-5	-0.929	305.1	0.000
P-10:J-4	-0.922	305.8	0.000
P-9:J-4	-0.922	305.8	0.000
P-9:J-3	-0.915	307.4	0.000
P-8:J-3	-0.108	307.4	0.000
P-7:J-1	-0.006	309.4	0.000
P-6:J-1	-0.002	309.4	0.000
P-4:J-1	-0.002	309.4	0.000
P-4:PMP-1	0.000	309.2	0.000

\*\* Snapshot for selected end points at time 10.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.805	308.1	0.000
P-28:HT-1	-0.805	308.6	0.000
P-11:J-5	-0.900	306.6	0.000
P-10:J-4	-0.896	307.0	0.000
P-9:J-4	-0.896	307.0	0.000
P-9:J-3	-0.892	308.1	0.000
P-8:J-3	-0.087	308.1	0.000

P-7:J-1	-0.005	312.8	0.000
P-6:J-1	-0.002	312.8	0.000
P-4:J-1	-0.002	312.8	0.000
P-4:PMP-1	0.000	313.0	0.000

\*\* Snapshot for selected end points at time 10.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.789	309.5	0.000
P-28:HT-1	-0.789	310.2	0.000
P-11:J-5	-0.887	308.2	0.000
P-10:J-4	-0.878	308.5	0.000
P-9:J-4	-0.878	308.5	0.000
P-9:J-3	-0.867	309.5	0.000
P-8:J-3	-0.078	309.5	0.000
P-7:J-1	-0.004	315.5	0.000
P-6:J-1	-0.001	315.5	0.000
P-4:J-1	-0.001	315.5	0.000
P-4:PMP-1	0.000	315.5	0.000

\*\* Snapshot for selected end points at time 11.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.772	311.0	0.000
P-28:HT-1	-0.772	311.8	0.000
P-11:J-5	-0.845	308.4	0.000
P-10:J-4	-0.853	308.9	0.000
P-9:J-4	-0.853	308.9	0.000
P-9:J-3	-0.857	311.0	0.000
P-8:J-3	-0.085	311.0	0.000
P-7:J-1	-0.004	318.1	0.000
P-6:J-1	-0.001	318.1	0.000
P-4:J-1	-0.001	318.1	0.000
P-4:PMP-1	0.000	318.1	0.000

\*\* Snapshot for selected end points at time 11.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.747	311.6	0.000
P-28:HT-1	-0.747	313.2	0.000
P-11:J-5	-0.824	309.1	0.000
P-10:J-4	-0.817	310.0	0.000
P-9:J-4	-0.817	310.0	0.000
P-9:J-3	-0.814	311.6	0.000

P-8:J-3	-0.067	311.6	0.000
P-7:J-1	-0.003	320.5	0.000
P-6:J-1	-0.001	320.5	0.000
P-4:J-1	-0.001	320.5	0.000
P-4:PMP-1	0.000	320.6	0.000

\*\* Snapshot for selected end points at time 11.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.723	313.6	0.000
P-28:HT-1	-0.723	314.6	0.000
P-11:J-5	-0.782	309.6	0.000
P-10:J-4	-0.774	310.9	0.000
P-9:J-4	-0.774	310.9	0.000
P-9:J-3	-0.771	313.6	0.000
P-8:J-3	-0.049	313.6	0.000
P-7:J-1	0.004	320.3	0.000
P-6:J-1	0.001	320.3	0.000
P-4:J-1	0.001	320.3	0.000
P-4:PMP-1	0.000	320.4	0.000

\*\* Snapshot for selected end points at time 11.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.694	314.5	0.000
P-28:HT-1	-0.694	315.9	0.000
P-11:J-5	-0.741	311.3	0.000
P-10:J-4	-0.734	312.0	0.000
P-9:J-4	-0.734	312.0	0.000
P-9:J-3	-0.723	314.5	0.000
P-8:J-3	-0.029	314.5	0.000
P-7:J-1	0.003	318.0	0.000
P-6:J-1	0.001	318.0	0.000
P-4:J-1	0.001	318.0	0.000
P-4:PMP-1	0.000	317.9	0.000

\*\* Snapshot for selected end points at time 11.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.669	316.0	0.000
P-28:HT-1	-0.668	317.3	0.000
P-11:J-5	-0.702	313.5	0.000
P-10:J-4	-0.692	314.2	0.000
P-9:J-4	-0.692	314.2	0.000



P-9:J-3	-0.685	316.0	0.000
P-8:J-3	-0.016	316.0	0.000
P-7:J-1	-0.001	317.7	0.000
P-6:J-1	0.000	317.7	0.000
P-4:J-1	0.000	317.7	0.000
P-4:PMP-1	0.000	317.6	0.000

\*\* Snapshot for selected end points at time 11.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.645	317.6	0.000
P-28:HT-1	-0.644	318.8	0.000
P-11:J-5	-0.664	315.0	0.000
P-10:J-4	-0.658	315.8	0.000
P-9:J-4	-0.658	315.8	0.000
P-9:J-3	-0.652	317.6	0.000
P-8:J-3	-0.008	317.6	0.000
P-7:J-1	-0.004	319.1	0.000
P-6:J-1	-0.001	319.1	0.000
P-4:J-1	-0.001	319.1	0.000
P-4:PMP-1	0.000	319.2	0.000

\*\* Snapshot for selected end points at time 11.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.621	318.9	0.000
P-28:HT-1	-0.621	320.3	0.000
P-11:J-5	-0.625	316.0	0.000
P-10:J-4	-0.620	316.8	0.000
P-9:J-4	-0.620	316.8	0.000
P-9:J-3	-0.616	318.9	0.000
P-8:J-3	0.005	318.9	0.000
P-7:J-1	0.008	318.9	0.000
P-6:J-1	0.002	318.9	0.000
P-4:J-1	0.003	318.9	0.000
P-4:PMP-1	0.000	319.0	0.000

\*\* Snapshot for selected end points at time 11.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.590	319.8	0.000
P-28:HT-1	-0.590	321.6	0.000
P-11:J-5	-0.587	317.2	0.000
P-10:J-4	-0.583	318.0	0.000

P-9:J-4	-0.583	318.0	0.000
P-9:J-3	-0.580	319.8	0.000
P-8:J-3	0.011	319.8	0.000
P-7:J-1	0.001	318.9	0.000
P-6:J-1	0.000	318.9	0.000
P-4:J-1	0.000	318.9	0.000
P-4:PMP-1	0.000	319.5	0.000

\*\* Snapshot for selected end points at time 11.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.545	319.8	0.000
P-28:HT-1	-0.545	322.6	0.000
P-11:J-5	-0.555	318.0	0.000
P-10:J-4	-0.553	318.4	0.000
P-9:J-4	-0.553	318.4	0.000
P-9:J-3	-0.552	319.8	0.000
P-8:J-3	-0.007	319.8	0.000
P-7:J-1	0.004	318.0	0.000
P-6:J-1	0.001	318.0	0.000
P-4:J-1	0.001	318.0	0.000
P-4:PMP-1	0.000	318.0	0.000

\*\* Snapshot for selected end points at time 11.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.492	320.8	0.000
P-28:HT-1	-0.492	323.4	0.000
P-11:J-5	-0.533	318.6	0.000
P-10:J-4	-0.529	319.1	0.000
P-9:J-4	-0.529	319.1	0.000
P-9:J-3	-0.522	320.8	0.000
P-8:J-3	-0.030	320.8	0.000
P-7:J-1	0.000	317.7	0.000
P-6:J-1	0.000	317.7	0.000
P-4:J-1	0.000	317.7	0.000
P-4:PMP-1	0.000	317.9	0.000

\*\* Snapshot for selected end points at time 12.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.450	322.3	0.000
P-28:HT-1	-0.449	324.3	0.000
P-11:J-5	-0.497	319.4	0.000

P-10:J-4	-0.493	320.2	0.000
P-9:J-4	-0.493	320.2	0.000
P-9:J-3	-0.488	322.3	0.000
P-8:J-3	-0.038	322.3	0.000
P-7:J-1	-0.002	318.1	0.000
P-6:J-1	-0.001	318.1	0.000
P-4:J-1	-0.001	318.1	0.000
P-4:PMP-1	0.000	318.1	0.000

\*\* Snapshot for selected end points at time 12.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.414	323.4	0.000
P-28:HT-1	-0.414	325.3	0.000
P-11:J-5	-0.470	321.2	0.000
P-10:J-4	-0.455	321.7	0.000
P-9:J-4	-0.455	321.7	0.000
P-9:J-3	-0.447	323.4	0.000
P-8:J-3	-0.034	323.4	0.000
P-7:J-1	0.000	318.5	0.000
P-6:J-1	0.000	318.5	0.000
P-4:J-1	0.000	318.5	0.000
P-4:PMP-1	0.000	318.6	0.000

\*\* Snapshot for selected end points at time 12.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.376	324.4	0.000
P-28:HT-1	-0.375	326.3	0.000
P-11:J-5	-0.441	323.6	0.000
P-10:J-4	-0.438	323.9	0.000
P-9:J-4	-0.438	323.9	0.000
P-9:J-3	-0.435	324.4	0.000
P-8:J-3	-0.059	324.4	0.000
P-7:J-1	0.000	318.3	0.000
P-6:J-1	0.000	318.3	0.000
P-4:J-1	0.000	318.3	0.000
P-4:PMP-1	0.000	318.2	0.000

\*\* Snapshot for selected end points at time 12.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.350	325.7	0.000
P-28:HT-1	-0.350	327.3	0.000

P-11:J-5	-0.415	323.9	0.000
P-10:J-4	-0.411	324.6	0.000
P-9:J-4	-0.411	324.6	0.000
P-9:J-3	-0.415	325.7	0.000
P-8:J-3	-0.065	325.7	0.000
P-7:J-1	-0.003	319.4	0.000
P-6:J-1	-0.001	319.4	0.000
P-4:J-1	-0.001	319.4	0.000
P-4:PMP-1	0.000	319.3	0.000

\*\* Snapshot for selected end points at time 12.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.311	325.9	0.000
P-28:HT-1	-0.310	328.2	0.000
P-11:J-5	-0.395	324.2	0.000
P-10:J-4	-0.391	324.7	0.000
P-9:J-4	-0.391	324.7	0.000
P-9:J-3	-0.388	325.9	0.000
P-8:J-3	-0.078	325.9	0.000
P-7:J-1	-0.006	322.3	0.000
P-6:J-1	-0.002	322.3	0.000
P-4:J-1	-0.002	322.3	0.000
P-4:PMP-1	0.000	322.3	0.000

\*\* Snapshot for selected end points at time 12.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.275	327.4	0.000
P-28:HT-1	-0.274	329.0	0.000
P-11:J-5	-0.370	325.2	0.000
P-10:J-4	-0.363	325.6	0.000
P-9:J-4	-0.363	325.6	0.000
P-9:J-3	-0.363	327.4	0.000
P-8:J-3	-0.088	327.4	0.000
P-7:J-1	-0.004	325.6	0.000
P-6:J-1	-0.001	325.6	0.000
P-4:J-1	-0.001	325.6	0.000
P-4:PMP-1	0.000	325.6	0.000

\*\* Snapshot for selected end points at time 12.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.244	328.4	0.000

P-28:HT-1	-0.244	329.7	0.000
P-11:J-5	-0.346	326.4	0.000
P-10:J-4	-0.340	326.9	0.000
P-9:J-4	-0.340	326.9	0.000
P-9:J-3	-0.335	328.4	0.000
P-8:J-3	-0.091	328.4	0.000
P-7:J-1	0.000	326.8	0.000
P-6:J-1	0.000	326.8	0.000
P-4:J-1	0.000	326.8	0.000
P-4:PMP-1	0.000	327.0	0.000

\*\* Snapshot for selected end points at time 12.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.217	328.9	0.000
P-28:HT-1	-0.217	330.5	0.000
P-11:J-5	-0.313	326.9	0.000
P-10:J-4	-0.313	327.4	0.000
P-9:J-4	-0.313	327.4	0.000
P-9:J-3	-0.313	328.9	0.000
P-8:J-3	-0.096	328.9	0.000
P-7:J-1	-0.007	328.5	0.000
P-6:J-1	-0.002	328.5	0.000
P-4:J-1	-0.002	328.5	0.000
P-4:PMP-1	0.000	328.0	0.000

\*\* Snapshot for selected end points at time 12.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.184	329.4	0.000
P-28:HT-1	-0.184	331.1	0.000
P-11:J-5	-0.289	327.1	0.000
P-10:J-4	-0.287	327.7	0.000
P-9:J-4	-0.287	327.7	0.000
P-9:J-3	-0.283	329.4	0.000
P-8:J-3	-0.099	329.4	0.000
P-7:J-1	-0.002	332.2	0.000
P-6:J-1	-0.001	332.2	0.000
P-4:J-1	-0.001	332.2	0.000
P-4:PMP-1	0.000	332.3	0.000

\*\* Snapshot for selected end points at time 12.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	-0.158	330.6	0.000
P-28:HT-1	-0.158	331.6	0.000
P-11:J-5	-0.262	328.2	0.000
P-10:J-4	-0.257	328.8	0.000
P-9:J-4	-0.257	328.8	0.000
P-9:J-3	-0.249	330.6	0.000
P-8:J-3	-0.092	330.6	0.000
P-7:J-1	-0.003	333.4	0.000
P-6:J-1	-0.001	333.4	0.000
P-4:J-1	-0.001	333.4	0.000
P-4:PMP-1	0.000	332.9	0.000

\*\* Snapshot for selected end points at time 13.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.147	331.9	0.000
P-28:HT-1	-0.146	332.2	0.000
P-11:J-5	-0.229	329.6	0.000
P-10:J-4	-0.224	330.3	0.000
P-9:J-4	-0.224	330.3	0.000
P-9:J-3	-0.218	331.9	0.000
P-8:J-3	-0.071	331.9	0.000
P-7:J-1	-0.004	335.6	0.000
P-6:J-1	-0.001	335.6	0.000
P-4:J-1	-0.001	335.6	0.000
P-4:PMP-1	0.000	335.5	0.000

\*\* Snapshot for selected end points at time 13.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.141	332.3	0.000
P-28:HT-1	-0.141	332.8	0.000
P-11:J-5	-0.198	330.7	0.000
P-10:J-4	-0.195	331.2	0.000
P-9:J-4	-0.195	331.2	0.000
P-9:J-3	-0.194	332.3	0.000
P-8:J-3	-0.053	332.3	0.000
P-7:J-1	0.000	337.4	0.000
P-6:J-1	0.000	337.4	0.000
P-4:J-1	0.000	337.4	0.000
P-4:PMP-1	0.000	337.0	0.000

\*\* Snapshot for selected end points at time 13.200 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
--------------	---------------	-------------	----------------

-----	-----	-----	-----
P-28:J-3	-0.127	332.4	0.000
P-28:HT-1	-0.127	333.4	0.000
P-11:J-5	-0.173	330.8	0.000
P-10:J-4	-0.176	331.4	0.000
P-9:J-4	-0.176	331.4	0.000
P-9:J-3	-0.176	332.4	0.000
P-8:J-3	-0.049	332.4	0.000
P-7:J-1	-0.001	338.9	0.000
P-6:J-1	0.000	338.9	0.000
P-4:J-1	0.000	338.9	0.000
P-4:PMP-1	0.000	338.8	0.000

\*\* Snapshot for selected end points at time 13.300 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.114	333.5	0.000
P-28:HT-1	-0.114	333.8	0.000
P-11:J-5	-0.137	329.6	0.000
P-10:J-4	-0.140	330.6	0.000
P-9:J-4	-0.140	330.6	0.000
P-9:J-3	-0.139	333.5	0.000
P-8:J-3	-0.025	333.5	0.000
P-7:J-1	-0.001	339.7	0.000
P-6:J-1	0.000	339.7	0.000
P-4:J-1	0.000	339.7	0.000
P-4:PMP-1	0.000	339.5	0.000

\*\* Snapshot for selected end points at time 13.400 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.096	332.6	0.000
P-28:HT-1	-0.096	334.2	0.000
P-11:J-5	-0.092	329.8	0.000
P-10:J-4	-0.092	330.5	0.000
P-9:J-4	-0.092	330.5	0.000
P-9:J-3	-0.094	332.6	0.000
P-8:J-3	0.002	332.6	0.000
P-7:J-1	0.000	340.5	0.000
P-6:J-1	0.000	340.5	0.000
P-4:J-1	0.000	340.5	0.000
P-4:PMP-1	0.000	340.5	0.000

\*\* Snapshot for selected end points at time 13.500 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point	(cms)	(m)	(m3)
-----	-----	-----	-----
P-28:J-3	-0.064	333.2	0.000
P-28:HT-1	-0.064	334.5	0.000
P-11:J-5	-0.054	329.7	0.000
P-10:J-4	-0.055	330.5	0.000
P-9:J-4	-0.055	330.5	0.000
P-9:J-3	-0.051	333.2	0.000
P-8:J-3	0.014	333.2	0.000
P-7:J-1	0.002	340.3	0.000
P-6:J-1	0.001	340.3	0.000
P-4:J-1	0.001	340.3	0.000
P-4:PMP-1	0.000	340.4	0.000

\*\* Snapshot for selected end points at time 13.600 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.038	333.2	0.000
P-28:HT-1	-0.038	334.7	0.000
P-11:J-5	-0.015	330.3	0.000
P-10:J-4	-0.009	331.0	0.000
P-9:J-4	-0.009	331.0	0.000
P-9:J-3	-0.006	333.2	0.000
P-8:J-3	0.032	333.2	0.000
P-7:J-1	0.003	338.9	0.000
P-6:J-1	0.001	338.9	0.000
P-4:J-1	0.001	338.9	0.000
P-4:PMP-1	0.000	338.9	0.000

\*\* Snapshot for selected end points at time 13.700 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.013	333.6	0.000
P-28:HT-1	-0.012	334.8	0.000
P-11:J-5	0.039	330.3	0.000
P-10:J-4	0.032	331.1	0.000
P-9:J-4	0.032	331.1	0.000
P-9:J-3	0.029	333.6	0.000
P-8:J-3	0.041	333.6	0.000
P-7:J-1	0.000	337.7	0.000
P-6:J-1	0.000	337.7	0.000
P-4:J-1	0.000	337.7	0.000
P-4:PMP-1	0.000	337.7	0.000

\*\* Snapshot for selected end points at time 13.800 s \*\*



End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.015	333.0	0.000
P-28:HT-1	0.015	334.8	0.000
P-11:J-5	0.084	329.5	0.000
P-10:J-4	0.075	330.7	0.000
P-9:J-4	0.075	330.7	0.000
P-9:J-3	0.073	333.0	0.000
P-8:J-3	0.058	333.0	0.000
P-7:J-1	0.002	337.3	0.000
P-6:J-1	0.001	337.3	0.000
P-4:J-1	0.001	337.3	0.000
P-4:PMP-1	0.000	337.6	0.000

\*\* Snapshot for selected end points at time 13.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.052	332.3	0.000
P-28:HT-1	0.052	334.6	0.000
P-11:J-5	0.128	328.7	0.000
P-10:J-4	0.123	329.7	0.000
P-9:J-4	0.123	329.7	0.000
P-9:J-3	0.124	332.3	0.000
P-8:J-3	0.072	332.3	0.000
P-7:J-1	0.007	334.0	0.000
P-6:J-1	0.002	334.0	0.000
P-4:J-1	0.002	334.0	0.000
P-4:PMP-1	0.000	333.7	0.000

\*\* Snapshot for selected end points at time 14.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.093	331.7	0.000
P-28:HT-1	0.093	334.2	0.000
P-11:J-5	0.184	327.7	0.000
P-10:J-4	0.181	328.7	0.000
P-9:J-4	0.181	328.7	0.000
P-9:J-3	0.175	331.7	0.000
P-8:J-3	0.081	331.7	0.000
P-7:J-1	0.000	331.9	0.000
P-6:J-1	0.000	331.9	0.000
P-4:J-1	0.000	331.9	0.000
P-4:PMP-1	0.000	331.7	0.000

\*\* Snapshot for selected end points at time 14.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.145	330.7	0.000
P-28:HT-1	0.145	333.6	0.000
P-11:J-5	0.232	327.1	0.000
P-10:J-4	0.231	328.1	0.000
P-9:J-4	0.231	328.1	0.000
P-9:J-3	0.227	330.7	0.000
P-8:J-3	0.082	330.7	0.000
P-7:J-1	0.004	330.9	0.000
P-6:J-1	0.001	330.9	0.000
P-4:J-1	0.001	330.9	0.000
P-4:PMP-1	0.000	330.9	0.000

\*\* Snapshot for selected end points at time 14.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.198	330.0	0.000
P-28:HT-1	0.197	332.7	0.000
P-11:J-5	0.278	326.7	0.000
P-10:J-4	0.276	327.6	0.000
P-9:J-4	0.276	327.6	0.000
P-9:J-3	0.272	330.0	0.000
P-8:J-3	0.075	330.0	0.000
P-7:J-1	-0.002	329.4	0.000
P-6:J-1	-0.001	329.4	0.000
P-4:J-1	-0.001	329.4	0.000
P-4:PMP-1	0.000	328.9	0.000

\*\* Snapshot for selected end points at time 14.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.242	329.5	0.000
P-28:HT-1	0.242	331.5	0.000
P-11:J-5	0.322	326.0	0.000
P-10:J-4	0.320	326.9	0.000
P-9:J-4	0.320	326.9	0.000
P-9:J-3	0.318	329.5	0.000
P-8:J-3	0.076	329.5	0.000
P-7:J-1	0.007	327.8	0.000
P-6:J-1	0.002	327.8	0.000
P-4:J-1	0.002	327.8	0.000
P-4:PMP-1	0.000	327.5	0.000

\*\* Snapshot for selected end points at time 14.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.280	328.0	0.000
P-28:HT-1	0.279	330.2	0.000
P-11:J-5	0.358	326.2	0.000
P-10:J-4	0.358	326.7	0.000
P-9:J-4	0.358	326.7	0.000
P-9:J-3	0.354	328.0	0.000
P-8:J-3	0.074	328.0	0.000
P-7:J-1	0.005	325.7	0.000
P-6:J-1	0.002	325.7	0.000
P-4:J-1	0.002	325.7	0.000
P-4:PMP-1	0.000	326.3	0.000

\*\* Snapshot for selected end points at time 14.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.321	326.8	0.000
P-28:HT-1	0.320	328.7	0.000
P-11:J-5	0.383	325.4	0.000
P-10:J-4	0.375	325.7	0.000
P-9:J-4	0.375	325.7	0.000
P-9:J-3	0.371	326.8	0.000
P-8:J-3	0.051	326.8	0.000
P-7:J-1	0.000	323.9	0.000
P-6:J-1	0.000	323.9	0.000
P-4:J-1	0.000	323.9	0.000
P-4:PMP-1	0.000	324.3	0.000

\*\* Snapshot for selected end points at time 14.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.346	326.1	0.000
P-28:HT-1	0.346	327.2	0.000
P-11:J-5	0.409	323.7	0.000
P-10:J-4	0.404	324.3	0.000
P-9:J-4	0.404	324.3	0.000
P-9:J-3	0.398	326.1	0.000
P-8:J-3	0.052	326.1	0.000
P-7:J-1	0.001	322.0	0.000
P-6:J-1	0.000	322.0	0.000
P-4:J-1	0.000	322.0	0.000
P-4:PMP-1	0.000	321.8	0.000

\*\* Snapshot for selected end points at time 14.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.370	324.0	0.000
P-28:HT-1	0.369	325.5	0.000
P-11:J-5	0.445	321.8	0.000
P-10:J-4	0.433	322.5	0.000
P-9:J-4	0.433	322.5	0.000
P-9:J-3	0.424	324.0	0.000
P-8:J-3	0.054	324.0	0.000
P-7:J-1	0.000	321.8	0.000
P-6:J-1	0.000	321.8	0.000
P-4:J-1	0.000	321.8	0.000
P-4:PMP-1	0.000	321.7	0.000

\*\* Snapshot for selected end points at time 14.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.397	322.5	0.000
P-28:HT-1	0.396	323.8	0.000
P-11:J-5	0.464	320.2	0.000
P-10:J-4	0.462	320.5	0.000
P-9:J-4	0.462	320.5	0.000
P-9:J-3	0.459	322.5	0.000
P-8:J-3	0.062	322.5	0.000
P-7:J-1	0.001	321.7	0.000
P-6:J-1	0.000	321.7	0.000
P-4:J-1	0.000	321.7	0.000
P-4:PMP-1	0.000	321.8	0.000

\*\* Snapshot for selected end points at time 14.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.423	320.9	0.000
P-28:HT-1	0.423	322.0	0.000
P-11:J-5	0.492	319.6	0.000
P-10:J-4	0.485	319.8	0.000
P-9:J-4	0.485	319.8	0.000
P-9:J-3	0.473	320.9	0.000
P-8:J-3	0.049	320.9	0.000
P-7:J-1	0.003	320.5	0.000
P-6:J-1	0.001	320.5	0.000
P-4:J-1	0.001	320.5	0.000
P-4:PMP-1	0.000	320.4	0.000

\*\* Snapshot for selected end points at time 15.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.441	319.3	0.000
P-28:HT-1	0.441	320.2	0.000
P-11:J-5	0.500	318.7	0.000
P-10:J-4	0.496	319.0	0.000
P-9:J-4	0.496	319.0	0.000
P-9:J-3	0.488	319.3	0.000
P-8:J-3	0.047	319.3	0.000
P-7:J-1	-0.003	320.5	0.000
P-6:J-1	-0.001	320.5	0.000
P-4:J-1	-0.001	320.5	0.000
P-4:PMP-1	0.000	320.4	0.000

\*\* Snapshot for selected end points at time 15.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.449	318.0	0.000
P-28:HT-1	0.449	318.4	0.000
P-11:J-5	0.516	316.7	0.000
P-10:J-4	0.509	317.2	0.000
P-9:J-4	0.509	317.2	0.000
P-9:J-3	0.496	318.0	0.000
P-8:J-3	0.047	318.0	0.000
P-7:J-1	0.001	321.4	0.000
P-6:J-1	0.000	321.4	0.000
P-4:J-1	0.000	321.4	0.000
P-4:PMP-1	0.000	321.5	0.000

\*\* Snapshot for selected end points at time 15.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.462	316.1	0.000
P-28:HT-1	0.462	316.6	0.000
P-11:J-5	0.528	314.6	0.000
P-10:J-4	0.518	315.0	0.000
P-9:J-4	0.518	315.0	0.000
P-9:J-3	0.514	316.1	0.000
P-8:J-3	0.052	316.1	0.000
P-7:J-1	0.004	319.2	0.000
P-6:J-1	0.001	319.2	0.000
P-4:J-1	0.001	319.2	0.000

P-4:PMP-1	0.000	319.1	0.000
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\*\* Snapshot for selected end points at time 15.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.467	314.5	0.000
P-28:HT-1	0.467	314.9	0.000
P-11:J-5	0.542	313.5	0.000
P-10:J-4	0.539	313.7	0.000
P-9:J-4	0.539	313.7	0.000
P-9:J-3	0.534	314.5	0.000
P-8:J-3	0.067	314.5	0.000
P-7:J-1	0.004	317.0	0.000
P-6:J-1	0.001	317.0	0.000
P-4:J-1	0.001	317.0	0.000
P-4:PMP-1	0.000	317.3	0.000

\*\* Snapshot for selected end points at time 15.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.469	313.1	0.000
P-28:HT-1	0.469	313.2	0.000
P-11:J-5	0.558	312.4	0.000
P-10:J-4	0.551	312.7	0.000
P-9:J-4	0.551	312.7	0.000
P-9:J-3	0.543	313.1	0.000
P-8:J-3	0.074	313.1	0.000
P-7:J-1	0.000	315.0	0.000
P-6:J-1	0.000	315.0	0.000
P-4:J-1	0.000	315.0	0.000
P-4:PMP-1	0.000	314.6	0.000

\*\* Snapshot for selected end points at time 15.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.472	311.3	0.000
P-28:HT-1	0.471	311.6	0.000
P-11:J-5	0.573	310.2	0.000
P-10:J-4	0.562	310.4	0.000
P-9:J-4	0.562	310.4	0.000
P-9:J-3	0.552	311.3	0.000
P-8:J-3	0.080	311.3	0.000
P-7:J-1	0.006	314.6	0.000
P-6:J-1	0.002	314.6	0.000

P-4:J-1	0.002	314.6	0.000
P-4:PMP-1	0.000	314.1	0.000

\*\* Snapshot for selected end points at time 15.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.473	310.0	0.000
P-28:HT-1	0.472	309.9	0.000
P-11:J-5	0.592	307.7	0.000
P-10:J-4	0.585	308.3	0.000
P-9:J-4	0.585	308.3	0.000
P-9:J-3	0.577	310.0	0.000
P-8:J-3	0.104	310.0	0.000
P-7:J-1	0.004	313.7	0.000
P-6:J-1	0.001	313.7	0.000
P-4:J-1	0.001	313.7	0.000
P-4:PMP-1	0.000	314.0	0.000

\*\* Snapshot for selected end points at time 15.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.478	307.5	0.000
P-28:HT-1	0.478	308.3	0.000
P-11:J-5	0.613	306.6	0.000
P-10:J-4	0.608	306.8	0.000
P-9:J-4	0.608	306.8	0.000
P-9:J-3	0.598	307.5	0.000
P-8:J-3	0.120	307.5	0.000
P-7:J-1	0.005	311.5	0.000
P-6:J-1	0.002	311.5	0.000
P-4:J-1	0.002	311.5	0.000
P-4:PMP-1	0.000	311.4	0.000

\*\* Snapshot for selected end points at time 15.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.495	305.8	0.000
P-28:HT-1	0.495	306.6	0.000
P-11:J-5	0.617	305.4	0.000
P-10:J-4	0.612	305.5	0.000
P-9:J-4	0.612	305.5	0.000
P-9:J-3	0.609	305.8	0.000
P-8:J-3	0.113	305.8	0.000
P-7:J-1	0.006	309.0	0.000

P-6:J-1	0.002	309.0	0.000
P-4:J-1	0.002	309.0	0.000
P-4:PMP-1	0.000	309.4	0.000

\*\* Snapshot for selected end points at time 15.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.506	304.4	0.000
P-28:HT-1	0.506	305.0	0.000
P-11:J-5	0.626	304.2	0.000
P-10:J-4	0.618	304.4	0.000
P-9:J-4	0.618	304.4	0.000
P-9:J-3	0.609	304.4	0.000
P-8:J-3	0.104	304.4	0.000
P-7:J-1	0.003	306.0	0.000
P-6:J-1	0.001	306.0	0.000
P-4:J-1	0.001	306.0	0.000
P-4:PMP-1	0.000	306.1	0.000

\*\* Snapshot for selected end points at time 16.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.512	303.1	0.000
P-28:HT-1	0.512	303.4	0.000
P-11:J-5	0.635	301.7	0.000
P-10:J-4	0.629	301.9	0.000
P-9:J-4	0.629	301.9	0.000
P-9:J-3	0.620	303.1	0.000
P-8:J-3	0.108	303.1	0.000
P-7:J-1	0.004	303.8	0.000
P-6:J-1	0.001	303.8	0.000
P-4:J-1	0.001	303.8	0.000
P-4:PMP-1	0.000	303.8	0.000

\*\* Snapshot for selected end points at time 16.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.520	301.2	0.000
P-28:HT-1	0.520	301.8	0.000
P-11:J-5	0.654	300.4	0.000
P-10:J-4	0.644	300.5	0.000
P-9:J-4	0.644	300.5	0.000
P-9:J-3	0.634	301.2	0.000
P-8:J-3	0.114	301.2	0.000



P-7:J-1	0.007	300.7	0.000
P-6:J-1	0.002	300.7	0.000
P-4:J-1	0.002	300.7	0.000
P-4:PMP-1	0.000	300.8	0.000

\*\* Snapshot for selected end points at time 16.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.528	299.2	0.000
P-28:HT-1	0.528	300.2	0.000
P-11:J-5	0.674	298.0	0.000
P-10:J-4	0.665	298.5	0.000
P-9:J-4	0.665	298.5	0.000
P-9:J-3	0.651	299.2	0.000
P-8:J-3	0.123	299.2	0.000
P-7:J-1	0.008	296.3	0.000
P-6:J-1	0.003	296.3	0.000
P-4:J-1	0.003	296.3	0.000
P-4:PMP-1	0.000	296.1	0.000

\*\* Snapshot for selected end points at time 16.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.550	297.1	0.000
P-28:HT-1	0.549	298.5	0.000
P-11:J-5	0.685	296.0	0.000
P-10:J-4	0.680	296.0	0.000
P-9:J-4	0.680	296.0	0.000
P-9:J-3	0.671	297.1	0.000
P-8:J-3	0.121	297.1	0.000
P-7:J-1	0.001	293.8	0.000
P-6:J-1	0.000	293.8	0.000
P-4:J-1	0.000	293.8	0.000
P-4:PMP-1	0.000	293.6	0.000

\*\* Snapshot for selected end points at time 16.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.573	295.5	0.000
P-28:HT-1	0.572	296.7	0.000
P-11:J-5	0.698	294.6	0.000
P-10:J-4	0.695	294.7	0.000
P-9:J-4	0.695	294.7	0.000
P-9:J-3	0.681	295.5	0.000

P-8:J-3	0.109	295.5	0.000
P-7:J-1	0.001	293.4	0.000
P-6:J-1	0.000	293.4	0.000
P-4:J-1	0.000	293.4	0.000
P-4:PMP-1	0.000	293.4	0.000

\*\* Snapshot for selected end points at time 16.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.595	294.0	0.000
P-28:HT-1	0.594	294.9	0.000
P-11:J-5	0.709	292.8	0.000
P-10:J-4	0.703	293.1	0.000
P-9:J-4	0.703	293.1	0.000
P-9:J-3	0.696	294.0	0.000
P-8:J-3	0.101	294.0	0.000
P-7:J-1	0.003	292.6	0.000
P-6:J-1	0.001	292.6	0.000
P-4:J-1	0.001	292.6	0.000
P-4:PMP-1	0.000	292.9	0.000

\*\* Snapshot for selected end points at time 16.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.612	292.0	0.000
P-28:HT-1	0.611	293.2	0.000
P-11:J-5	0.726	291.0	0.000
P-10:J-4	0.718	291.2	0.000
P-9:J-4	0.718	291.2	0.000
P-9:J-3	0.708	292.0	0.000
P-8:J-3	0.096	292.0	0.000
P-7:J-1	0.005	289.6	0.000
P-6:J-1	0.002	289.6	0.000
P-4:J-1	0.002	289.6	0.000
P-4:PMP-1	0.000	289.2	0.000

\*\* Snapshot for selected end points at time 16.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.636	289.8	0.000
P-28:HT-1	0.636	291.3	0.000
P-11:J-5	0.738	289.0	0.000
P-10:J-4	0.728	289.2	0.000
P-9:J-4	0.728	289.2	0.000

P-9:J-3	0.717	289.8	0.000
P-8:J-3	0.081	289.8	0.000
P-7:J-1	0.005	287.6	0.000
P-6:J-1	0.002	287.6	0.000
P-4:J-1	0.002	287.6	0.000
P-4:PMP-1	0.000	287.2	0.000

\*\* Snapshot for selected end points at time 16.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.667	287.7	0.000
P-28:HT-1	0.667	289.4	0.000
P-11:J-5	0.744	286.9	0.000
P-10:J-4	0.735	287.1	0.000
P-9:J-4	0.735	287.1	0.000
P-9:J-3	0.729	287.7	0.000
P-8:J-3	0.062	287.7	0.000
P-7:J-1	0.002	284.7	0.000
P-6:J-1	0.001	284.7	0.000
P-4:J-1	0.001	284.7	0.000
P-4:PMP-1	0.000	284.5	0.000

\*\* Snapshot for selected end points at time 16.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.686	286.9	0.000
P-28:HT-1	0.686	287.5	0.000
P-11:J-5	0.756	285.3	0.000
P-10:J-4	0.751	285.8	0.000
P-9:J-4	0.751	285.8	0.000
P-9:J-3	0.747	286.9	0.000
P-8:J-3	0.061	286.9	0.000
P-7:J-1	0.000	283.6	0.000
P-6:J-1	0.000	283.6	0.000
P-4:J-1	0.000	283.6	0.000
P-4:PMP-1	0.000	282.9	0.000

\*\* Snapshot for selected end points at time 17.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.693	285.4	0.000
P-28:HT-1	0.693	285.9	0.000
P-11:J-5	0.775	284.4	0.000
P-10:J-4	0.771	284.6	0.000

P-9:J-4	0.771	284.6	0.000
P-9:J-3	0.764	285.4	0.000
P-8:J-3	0.071	285.4	0.000
P-7:J-1	0.002	283.3	0.000
P-6:J-1	0.001	283.3	0.000
P-4:J-1	0.001	283.3	0.000
P-4:PMP-1	0.000	282.7	0.000

\*\* Snapshot for selected end points at time 17.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.700	283.7	0.000
P-28:HT-1	0.700	284.2	0.000
P-11:J-5	0.773	284.3	0.000
P-10:J-4	0.774	284.2	0.000
P-9:J-4	0.774	284.2	0.000
P-9:J-3	0.769	283.7	0.000
P-8:J-3	0.070	283.7	0.000
P-7:J-1	0.003	282.4	0.000
P-6:J-1	0.001	282.4	0.000
P-4:J-1	0.001	282.4	0.000
P-4:PMP-1	0.000	282.2	0.000

\*\* Snapshot for selected end points at time 17.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.704	282.8	0.000
P-28:HT-1	0.704	282.6	0.000
P-11:J-5	0.769	283.3	0.000
P-10:J-4	0.762	283.1	0.000
P-9:J-4	0.762	283.1	0.000
P-9:J-3	0.757	282.8	0.000
P-8:J-3	0.054	282.8	0.000
P-7:J-1	0.002	281.1	0.000
P-6:J-1	0.001	281.1	0.000
P-4:J-1	0.001	281.1	0.000
P-4:PMP-1	0.000	280.9	0.000

\*\* Snapshot for selected end points at time 17.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.701	281.0	0.000
P-28:HT-1	0.700	281.2	0.000
P-11:J-5	0.756	282.4	0.000

P-10:J-4	0.751	281.8	0.000
P-9:J-4	0.751	281.8	0.000
P-9:J-3	0.747	281.0	0.000
P-8:J-3	0.046	281.0	0.000
P-7:J-1	0.000	281.0	0.000
P-6:J-1	0.000	281.0	0.000
P-4:J-1	0.000	281.0	0.000
P-4:PMP-1	0.000	280.9	0.000

\*\* Snapshot for selected end points at time 17.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.697	280.3	0.000
P-28:HT-1	0.696	279.7	0.000
P-11:J-5	0.740	281.1	0.000
P-10:J-4	0.733	280.9	0.000
P-9:J-4	0.733	280.9	0.000
P-9:J-3	0.730	280.3	0.000
P-8:J-3	0.033	280.3	0.000
P-7:J-1	0.001	280.9	0.000
P-6:J-1	0.000	280.9	0.000
P-4:J-1	0.000	280.9	0.000
P-4:PMP-1	0.000	281.1	0.000

\*\* Snapshot for selected end points at time 17.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.683	278.9	0.000
P-28:HT-1	0.683	278.5	0.000
P-11:J-5	0.728	279.8	0.000
P-10:J-4	0.727	279.3	0.000
P-9:J-4	0.727	279.3	0.000
P-9:J-3	0.725	278.9	0.000
P-8:J-3	0.042	278.9	0.000
P-7:J-1	0.005	279.1	0.000
P-6:J-1	0.002	279.1	0.000
P-4:J-1	0.002	279.1	0.000
P-4:PMP-1	0.000	279.2	0.000

\*\* Snapshot for selected end points at time 17.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.669	278.4	0.000
P-28:HT-1	0.669	277.3	0.000

P-11:J-5	0.722	279.2	0.000
P-10:J-4	0.715	278.7	0.000
P-9:J-4	0.715	278.7	0.000
P-9:J-3	0.711	278.4	0.000
P-8:J-3	0.042	278.4	0.000
P-7:J-1	0.003	276.5	0.000
P-6:J-1	0.001	276.5	0.000
P-4:J-1	0.001	276.5	0.000
P-4:PMP-1	0.000	276.4	0.000

\*\* Snapshot for selected end points at time 17.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.652	277.0	0.000
P-28:HT-1	0.652	276.2	0.000
P-11:J-5	0.702	278.7	0.000
P-10:J-4	0.696	278.3	0.000
P-9:J-4	0.696	278.3	0.000
P-9:J-3	0.694	277.0	0.000
P-8:J-3	0.042	277.0	0.000
P-7:J-1	-0.002	276.6	0.000
P-6:J-1	-0.001	276.6	0.000
P-4:J-1	-0.001	276.6	0.000
P-4:PMP-1	0.000	276.4	0.000

\*\* Snapshot for selected end points at time 17.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.632	276.5	0.000
P-28:HT-1	0.632	275.3	0.000
P-11:J-5	0.675	278.3	0.000
P-10:J-4	0.670	278.0	0.000
P-9:J-4	0.670	278.0	0.000
P-9:J-3	0.673	276.5	0.000
P-8:J-3	0.041	276.5	0.000
P-7:J-1	0.002	276.6	0.000
P-6:J-1	0.001	276.6	0.000
P-4:J-1	0.001	276.6	0.000
P-4:PMP-1	0.000	276.5	0.000

\*\* Snapshot for selected end points at time 17.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.601	275.9	0.000

P-28:HT-1	0.601	274.4	0.000
P-11:J-5	0.660	277.3	0.000
P-10:J-4	0.655	276.8	0.000
P-9:J-4	0.655	276.8	0.000
P-9:J-3	0.648	275.9	0.000
P-8:J-3	0.047	275.9	0.000
P-7:J-1	-0.003	276.3	0.000
P-6:J-1	-0.001	276.3	0.000
P-4:J-1	-0.001	276.3	0.000
P-4:PMP-1	0.000	276.4	0.000

\*\* Snapshot for selected end points at time 18.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.577	274.5	0.000
P-28:HT-1	0.577	273.6	0.000
P-11:J-5	0.641	276.1	0.000
P-10:J-4	0.637	275.6	0.000
P-9:J-4	0.637	275.6	0.000
P-9:J-3	0.630	274.5	0.000
P-8:J-3	0.053	274.5	0.000
P-7:J-1	0.003	276.1	0.000
P-6:J-1	0.001	276.1	0.000
P-4:J-1	0.001	276.1	0.000
P-4:PMP-1	0.000	276.3	0.000

\*\* Snapshot for selected end points at time 18.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.565	273.2	0.000
P-28:HT-1	0.565	272.7	0.000
P-11:J-5	0.610	275.6	0.000
P-10:J-4	0.608	274.9	0.000
P-9:J-4	0.608	274.9	0.000
P-9:J-3	0.605	273.2	0.000
P-8:J-3	0.041	273.2	0.000
P-7:J-1	-0.002	273.9	0.000
P-6:J-1	-0.001	273.9	0.000
P-4:J-1	-0.001	273.9	0.000
P-4:PMP-1	0.000	273.6	0.000

\*\* Snapshot for selected end points at time 18.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	0.549	273.0	0.000
P-28:HT-1	0.549	271.9	0.000
P-11:J-5	0.587	274.4	0.000
P-10:J-4	0.581	274.0	0.000
P-9:J-4	0.581	274.0	0.000
P-9:J-3	0.577	273.0	0.000
P-8:J-3	0.028	273.0	0.000
P-7:J-1	0.004	272.9	0.000
P-6:J-1	0.001	272.9	0.000
P-4:J-1	0.001	272.9	0.000
P-4:PMP-1	0.000	272.4	0.000

\*\* Snapshot for selected end points at time 18.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.524	272.5	0.000
P-28:HT-1	0.524	271.3	0.000
P-11:J-5	0.571	273.3	0.000
P-10:J-4	0.569	273.0	0.000
P-9:J-4	0.569	273.0	0.000
P-9:J-3	0.567	272.5	0.000
P-8:J-3	0.042	272.5	0.000
P-7:J-1	0.002	272.4	0.000
P-6:J-1	0.001	272.4	0.000
P-4:J-1	0.001	272.4	0.000
P-4:PMP-1	0.000	272.7	0.000

\*\* Snapshot for selected end points at time 18.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.506	271.5	0.000
P-28:HT-1	0.506	270.6	0.000
P-11:J-5	0.554	273.1	0.000
P-10:J-4	0.550	272.6	0.000
P-9:J-4	0.550	272.6	0.000
P-9:J-3	0.550	271.5	0.000
P-8:J-3	0.044	271.5	0.000
P-7:J-1	0.001	271.8	0.000
P-6:J-1	0.000	271.8	0.000
P-4:J-1	0.000	271.8	0.000
P-4:PMP-1	0.000	272.4	0.000

\*\* Snapshot for selected end points at time 18.500 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
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-----	-----	-----	-----
P-28:J-3	0.482	271.3	0.000
P-28:HT-1	0.482	270.0	0.000
P-11:J-5	0.534	272.4	0.000
P-10:J-4	0.534	272.1	0.000
P-9:J-4	0.534	272.1	0.000
P-9:J-3	0.532	271.3	0.000
P-8:J-3	0.050	271.3	0.000
P-7:J-1	0.003	269.6	0.000
P-6:J-1	0.001	269.6	0.000
P-4:J-1	0.001	269.6	0.000
P-4:PMP-1	0.000	269.5	0.000

\*\* Snapshot for selected end points at time 18.600 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.462	270.2	0.000
P-28:HT-1	0.462	269.4	0.000
P-11:J-5	0.513	272.6	0.000
P-10:J-4	0.507	272.1	0.000
P-9:J-4	0.507	272.1	0.000
P-9:J-3	0.506	270.2	0.000
P-8:J-3	0.043	270.2	0.000
P-7:J-1	0.000	268.4	0.000
P-6:J-1	0.000	268.4	0.000
P-4:J-1	0.000	268.4	0.000
P-4:PMP-1	0.000	268.2	0.000

\*\* Snapshot for selected end points at time 18.700 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.444	269.9	0.000
P-28:HT-1	0.444	268.8	0.000
P-11:J-5	0.483	271.2	0.000
P-10:J-4	0.484	270.5	0.000
P-9:J-4	0.484	270.5	0.000
P-9:J-3	0.481	269.9	0.000
P-8:J-3	0.037	269.9	0.000
P-7:J-1	-0.002	269.6	0.000
P-6:J-1	-0.001	269.6	0.000
P-4:J-1	-0.001	269.6	0.000
P-4:PMP-1	0.000	269.7	0.000

\*\* Snapshot for selected end points at time 18.800 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point -----	(cms) -----	(m) -----	(m3) -----
P-28:J-3	0.429	269.2	0.000
P-28:HT-1	0.429	268.2	0.000
P-11:J-5	0.468	270.5	0.000
P-10:J-4	0.463	269.8	0.000
P-9:J-4	0.463	269.8	0.000
P-9:J-3	0.458	269.2	0.000
P-8:J-3	0.029	269.2	0.000
P-7:J-1	0.004	269.2	0.000
P-6:J-1	0.001	269.2	0.000
P-4:J-1	0.001	269.2	0.000
P-4:PMP-1	0.000	269.4	0.000

\*\* Snapshot for selected end points at time 18.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.410	268.8	0.000
P-28:HT-1	0.410	267.7	0.000
P-11:J-5	0.444	270.3	0.000
P-10:J-4	0.444	269.9	0.000
P-9:J-4	0.444	269.9	0.000
P-9:J-3	0.440	268.8	0.000
P-8:J-3	0.029	268.8	0.000
P-7:J-1	0.002	267.1	0.000
P-6:J-1	0.001	267.1	0.000
P-4:J-1	0.001	267.1	0.000
P-4:PMP-1	0.000	266.8	0.000

\*\* Snapshot for selected end points at time 19.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.391	267.9	0.000
P-28:HT-1	0.390	267.3	0.000
P-11:J-5	0.428	269.4	0.000
P-10:J-4	0.426	269.2	0.000
P-9:J-4	0.426	269.2	0.000
P-9:J-3	0.417	267.9	0.000
P-8:J-3	0.027	267.9	0.000
P-7:J-1	0.001	266.6	0.000
P-6:J-1	0.000	266.6	0.000
P-4:J-1	0.000	266.6	0.000
P-4:PMP-1	0.000	266.8	0.000

\*\* Snapshot for selected end points at time 19.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.384	267.2	0.000
P-28:HT-1	0.384	266.7	0.000
P-11:J-5	0.403	268.6	0.000
P-10:J-4	0.398	268.3	0.000
P-9:J-4	0.398	268.3	0.000
P-9:J-3	0.399	267.2	0.000
P-8:J-3	0.015	267.2	0.000
P-7:J-1	0.001	265.3	0.000
P-6:J-1	0.000	265.3	0.000
P-4:J-1	0.000	265.3	0.000
P-4:PMP-1	0.000	265.1	0.000

\*\* Snapshot for selected end points at time 19.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.371	267.2	0.000
P-28:HT-1	0.371	266.3	0.000
P-11:J-5	0.383	268.2	0.000
P-10:J-4	0.382	267.8	0.000
P-9:J-4	0.382	267.8	0.000
P-9:J-3	0.386	267.2	0.000
P-8:J-3	0.015	267.2	0.000
P-7:J-1	-0.002	266.1	0.000
P-6:J-1	-0.001	266.1	0.000
P-4:J-1	-0.001	266.1	0.000
P-4:PMP-1	0.000	266.6	0.000

\*\* Snapshot for selected end points at time 19.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.346	267.3	0.000
P-28:HT-1	0.346	265.9	0.000
P-11:J-5	0.369	268.6	0.000
P-10:J-4	0.372	268.3	0.000
P-9:J-4	0.372	268.3	0.000
P-9:J-3	0.371	267.3	0.000
P-8:J-3	0.025	267.3	0.000
P-7:J-1	-0.001	265.7	0.000
P-6:J-1	0.000	265.7	0.000
P-4:J-1	0.000	265.7	0.000
P-4:PMP-1	0.000	265.1	0.000

\*\* Snapshot for selected end points at time 19.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.326	266.3	0.000
P-28:HT-1	0.326	265.5	0.000
P-11:J-5	0.348	268.8	0.000
P-10:J-4	0.345	268.1	0.000
P-9:J-4	0.345	268.1	0.000
P-9:J-3	0.341	266.3	0.000
P-8:J-3	0.015	266.3	0.000
P-7:J-1	0.004	265.6	0.000
P-6:J-1	0.001	265.6	0.000
P-4:J-1	0.001	265.6	0.000
P-4:PMP-1	0.000	265.2	0.000

\*\* Snapshot for selected end points at time 19.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.311	266.2	0.000
P-28:HT-1	0.311	265.2	0.000
P-11:J-5	0.326	267.2	0.000
P-10:J-4	0.320	266.9	0.000
P-9:J-4	0.320	266.9	0.000
P-9:J-3	0.316	266.2	0.000
P-8:J-3	0.005	266.2	0.000
P-7:J-1	0.002	265.4	0.000
P-6:J-1	0.001	265.4	0.000
P-4:J-1	0.001	265.4	0.000
P-4:PMP-1	0.000	265.3	0.000

\*\* Snapshot for selected end points at time 19.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.296	265.2	0.000
P-28:HT-1	0.296	264.8	0.000
P-11:J-5	0.311	266.1	0.000
P-10:J-4	0.308	265.9	0.000
P-9:J-4	0.308	265.9	0.000
P-9:J-3	0.304	265.2	0.000
P-8:J-3	0.008	265.2	0.000
P-7:J-1	-0.001	265.0	0.000
P-6:J-1	0.000	265.0	0.000
P-4:J-1	0.000	265.0	0.000
P-4:PMP-1	0.000	264.9	0.000

\*\* Snapshot for selected end points at time 19.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.291	264.9	0.000
P-28:HT-1	0.291	264.5	0.000
P-11:J-5	0.297	265.4	0.000
P-10:J-4	0.296	265.1	0.000
P-9:J-4	0.296	265.1	0.000
P-9:J-3	0.296	264.9	0.000
P-8:J-3	0.005	264.9	0.000
P-7:J-1	0.001	266.0	0.000
P-6:J-1	0.000	266.0	0.000
P-4:J-1	0.000	266.0	0.000
P-4:PMP-1	0.000	266.4	0.000

\*\* Snapshot for selected end points at time 19.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.277	264.9	0.000
P-28:HT-1	0.277	264.1	0.000
P-11:J-5	0.281	266.3	0.000
P-10:J-4	0.287	266.1	0.000
P-9:J-4	0.287	266.1	0.000
P-9:J-3	0.287	264.9	0.000
P-8:J-3	0.010	264.9	0.000
P-7:J-1	0.001	265.2	0.000
P-6:J-1	0.000	265.2	0.000
P-4:J-1	0.000	265.2	0.000
P-4:PMP-1	0.000	265.4	0.000

\*\* Snapshot for selected end points at time 19.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.260	265.3	0.000
P-28:HT-1	0.260	263.9	0.000
P-11:J-5	0.259	266.9	0.000
P-10:J-4	0.264	266.2	0.000
P-9:J-4	0.264	266.2	0.000
P-9:J-3	0.265	265.3	0.000
P-8:J-3	0.006	265.3	0.000
P-7:J-1	0.000	264.3	0.000
P-6:J-1	0.000	264.3	0.000
P-4:J-1	0.000	264.3	0.000
P-4:PMP-1	0.000	264.1	0.000

\*\* Snapshot for selected end points at time 20.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.235	264.9	0.000
P-28:HT-1	0.235	263.6	0.000
P-11:J-5	0.239	267.3	0.000
P-10:J-4	0.236	266.7	0.000
P-9:J-4	0.236	266.7	0.000
P-9:J-3	0.236	264.9	0.000
P-8:J-3	0.001	264.9	0.000
P-7:J-1	-0.002	265.3	0.000
P-6:J-1	-0.001	265.3	0.000
P-4:J-1	-0.001	265.3	0.000
P-4:PMP-1	0.000	265.3	0.000

\*\* Snapshot for selected end points at time 20.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.206	264.9	0.000
P-28:HT-1	0.206	263.4	0.000
P-11:J-5	0.209	267.5	0.000
P-10:J-4	0.208	266.7	0.000
P-9:J-4	0.208	266.7	0.000
P-9:J-3	0.207	264.9	0.000
P-8:J-3	0.001	264.9	0.000
P-7:J-1	0.003	265.0	0.000
P-6:J-1	0.001	265.0	0.000
P-4:J-1	0.001	265.0	0.000
P-4:PMP-1	0.000	265.0	0.000

\*\* Snapshot for selected end points at time 20.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.175	265.0	0.000
P-28:HT-1	0.175	263.3	0.000
P-11:J-5	0.180	266.8	0.000
P-10:J-4	0.182	266.0	0.000
P-9:J-4	0.182	266.0	0.000
P-9:J-3	0.179	265.0	0.000
P-8:J-3	0.004	265.0	0.000
P-7:J-1	-0.001	264.3	0.000
P-6:J-1	0.000	264.3	0.000
P-4:J-1	0.000	264.3	0.000
P-4:PMP-1	0.000	264.3	0.000

\*\* Snapshot for selected end points at time 20.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.144	264.6	0.000
P-28:HT-1	0.144	263.2	0.000
P-11:J-5	0.155	266.9	0.000
P-10:J-4	0.159	266.3	0.000
P-9:J-4	0.159	266.3	0.000
P-9:J-3	0.153	264.6	0.000
P-8:J-3	0.009	264.6	0.000
P-7:J-1	0.002	264.0	0.000
P-6:J-1	0.001	264.0	0.000
P-4:J-1	0.001	264.0	0.000
P-4:PMP-1	0.000	264.1	0.000

\*\* Snapshot for selected end points at time 20.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.120	264.4	0.000
P-28:HT-1	0.120	263.0	0.000
P-11:J-5	0.123	266.7	0.000
P-10:J-4	0.124	266.1	0.000
P-9:J-4	0.124	266.1	0.000
P-9:J-3	0.122	264.4	0.000
P-8:J-3	0.002	264.4	0.000
P-7:J-1	-0.002	264.2	0.000
P-6:J-1	-0.001	264.2	0.000
P-4:J-1	-0.001	264.2	0.000
P-4:PMP-1	0.000	264.2	0.000

\*\* Snapshot for selected end points at time 20.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.094	264.6	0.000
P-28:HT-1	0.094	262.9	0.000
P-11:J-5	0.089	266.7	0.000
P-10:J-4	0.091	265.9	0.000
P-9:J-4	0.091	265.9	0.000
P-9:J-3	0.094	264.6	0.000
P-8:J-3	0.000	264.6	0.000
P-7:J-1	-0.001	264.8	0.000
P-6:J-1	0.000	264.8	0.000
P-4:J-1	0.000	264.8	0.000

P-4:PMP-1	0.000	264.1	0.000
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\*\* Snapshot for selected end points at time 20.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.058	265.0	0.000
P-28:HT-1	0.058	262.9	0.000
P-11:J-5	0.063	267.2	0.000
P-10:J-4	0.065	266.6	0.000
P-9:J-4	0.065	266.6	0.000
P-9:J-3	0.065	265.0	0.000
P-8:J-3	0.006	265.0	0.000
P-7:J-1	-0.001	265.0	0.000
P-6:J-1	0.000	265.0	0.000
P-4:J-1	0.000	265.0	0.000
P-4:PMP-1	0.000	264.8	0.000

\*\* Snapshot for selected end points at time 20.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.027	264.4	0.000
P-28:HT-1	0.027	262.9	0.000
P-11:J-5	0.028	267.5	0.000
P-10:J-4	0.026	266.6	0.000
P-9:J-4	0.026	266.6	0.000
P-9:J-3	0.026	264.4	0.000
P-8:J-3	0.000	264.4	0.000
P-7:J-1	-0.001	265.0	0.000
P-6:J-1	0.000	265.0	0.000
P-4:J-1	0.000	265.0	0.000
P-4:PMP-1	0.000	265.0	0.000

\*\* Snapshot for selected end points at time 20.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.006	264.8	0.000
P-28:HT-1	-0.006	262.9	0.000
P-11:J-5	-0.012	267.4	0.000
P-10:J-4	-0.011	266.7	0.000
P-9:J-4	-0.011	266.7	0.000
P-9:J-3	-0.009	264.8	0.000
P-8:J-3	-0.003	264.8	0.000
P-7:J-1	0.000	263.9	0.000
P-6:J-1	0.000	263.9	0.000



P-4:J-1	0.000	263.9	0.000
P-4:PMP-1	0.000	263.2	0.000

\*\* Snapshot for selected end points at time 20.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.040	264.6	0.000
P-28:HT-1	-0.040	262.9	0.000
P-11:J-5	-0.042	267.1	0.000
P-10:J-4	-0.045	266.4	0.000
P-9:J-4	-0.045	266.4	0.000
P-9:J-3	-0.049	264.6	0.000
P-8:J-3	-0.009	264.6	0.000
P-7:J-1	-0.001	263.7	0.000
P-6:J-1	0.000	263.7	0.000
P-4:J-1	0.000	263.7	0.000
P-4:PMP-1	0.000	263.2	0.000

\*\* Snapshot for selected end points at time 21.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.072	264.7	0.000
P-28:HT-1	-0.072	263.1	0.000
P-11:J-5	-0.075	266.6	0.000
P-10:J-4	-0.073	266.0	0.000
P-9:J-4	-0.073	266.0	0.000
P-9:J-3	-0.073	264.7	0.000
P-8:J-3	-0.001	264.7	0.000
P-7:J-1	0.000	264.5	0.000
P-6:J-1	0.000	264.5	0.000
P-4:J-1	0.000	264.5	0.000
P-4:PMP-1	0.000	264.3	0.000

\*\* Snapshot for selected end points at time 21.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.100	264.9	0.000
P-28:HT-1	-0.100	263.3	0.000
P-11:J-5	-0.097	266.5	0.000
P-10:J-4	-0.101	266.0	0.000
P-9:J-4	-0.101	266.0	0.000
P-9:J-3	-0.098	264.9	0.000
P-8:J-3	0.001	264.9	0.000
P-7:J-1	0.001	264.5	0.000

P-6:J-1	0.000	264.5	0.000
P-4:J-1	0.000	264.5	0.000
P-4:PMP-1	0.000	264.4	0.000

\*\* Snapshot for selected end points at time 21.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.125	264.6	0.000
P-28:HT-1	-0.125	263.5	0.000
P-11:J-5	-0.125	266.7	0.000
P-10:J-4	-0.124	265.9	0.000
P-9:J-4	-0.124	265.9	0.000
P-9:J-3	-0.121	264.6	0.000
P-8:J-3	0.003	264.6	0.000
P-7:J-1	0.000	264.1	0.000
P-6:J-1	0.000	264.1	0.000
P-4:J-1	0.000	264.1	0.000
P-4:PMP-1	0.000	263.9	0.000

\*\* Snapshot for selected end points at time 21.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.146	265.1	0.000
P-28:HT-1	-0.146	263.8	0.000
P-11:J-5	-0.158	267.5	0.000
P-10:J-4	-0.155	267.2	0.000
P-9:J-4	-0.155	267.2	0.000
P-9:J-3	-0.149	265.1	0.000
P-8:J-3	-0.003	265.1	0.000
P-7:J-1	-0.001	264.9	0.000
P-6:J-1	0.000	264.9	0.000
P-4:J-1	0.000	264.9	0.000
P-4:PMP-1	0.000	265.1	0.000

\*\* Snapshot for selected end points at time 21.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.168	265.2	0.000
P-28:HT-1	-0.168	264.2	0.000
P-11:J-5	-0.187	267.7	0.000
P-10:J-4	-0.187	266.7	0.000
P-9:J-4	-0.187	266.7	0.000
P-9:J-3	-0.182	265.2	0.000
P-8:J-3	-0.014	265.2	0.000

P-7:J-1	-0.001	265.3	0.000
P-6:J-1	0.000	265.3	0.000
P-4:J-1	0.000	265.3	0.000
P-4:PMP-1	0.000	265.4	0.000

\*\* Snapshot for selected end points at time 21.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.191	266.1	0.000
P-28:HT-1	-0.191	264.6	0.000
P-11:J-5	-0.207	267.3	0.000
P-10:J-4	-0.210	266.7	0.000
P-9:J-4	-0.210	266.7	0.000
P-9:J-3	-0.209	266.1	0.000
P-8:J-3	-0.018	266.1	0.000
P-7:J-1	0.002	265.3	0.000
P-6:J-1	0.001	265.3	0.000
P-4:J-1	0.001	265.3	0.000
P-4:PMP-1	0.000	265.4	0.000

\*\* Snapshot for selected end points at time 21.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.213	266.0	0.000
P-28:HT-1	-0.213	265.0	0.000
P-11:J-5	-0.231	267.8	0.000
P-10:J-4	-0.230	267.3	0.000
P-9:J-4	-0.230	267.3	0.000
P-9:J-3	-0.227	266.0	0.000
P-8:J-3	-0.014	266.0	0.000
P-7:J-1	-0.001	264.6	0.000
P-6:J-1	0.000	264.6	0.000
P-4:J-1	0.000	264.6	0.000
P-4:PMP-1	0.000	264.4	0.000

\*\* Snapshot for selected end points at time 21.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.232	266.5	0.000
P-28:HT-1	-0.232	265.5	0.000
P-11:J-5	-0.258	268.7	0.000
P-10:J-4	-0.258	268.1	0.000
P-9:J-4	-0.258	268.1	0.000
P-9:J-3	-0.252	266.5	0.000

P-8:J-3	-0.021	266.5	0.000
P-7:J-1	0.000	264.6	0.000
P-6:J-1	0.000	264.6	0.000
P-4:J-1	0.000	264.6	0.000
P-4:PMP-1	0.000	264.7	0.000

\*\* Snapshot for selected end points at time 21.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.253	267.1	0.000
P-28:HT-1	-0.253	266.0	0.000
P-11:J-5	-0.279	268.6	0.000
P-10:J-4	-0.280	268.2	0.000
P-9:J-4	-0.280	268.2	0.000
P-9:J-3	-0.279	267.1	0.000
P-8:J-3	-0.026	267.1	0.000
P-7:J-1	-0.003	264.7	0.000
P-6:J-1	-0.001	264.7	0.000
P-4:J-1	-0.001	264.7	0.000
P-4:PMP-1	0.000	264.5	0.000

\*\* Snapshot for selected end points at time 21.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.274	267.4	0.000
P-28:HT-1	-0.274	266.6	0.000
P-11:J-5	-0.290	268.2	0.000
P-10:J-4	-0.290	267.9	0.000
P-9:J-4	-0.290	267.9	0.000
P-9:J-3	-0.294	267.4	0.000
P-8:J-3	-0.021	267.4	0.000
P-7:J-1	-0.003	266.6	0.000
P-6:J-1	-0.001	266.6	0.000
P-4:J-1	-0.001	266.6	0.000
P-4:PMP-1	0.000	267.0	0.000

\*\* Snapshot for selected end points at time 22.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.283	267.5	0.000
P-28:HT-1	-0.283	267.1	0.000
P-11:J-5	-0.313	268.8	0.000
P-10:J-4	-0.306	268.3	0.000
P-9:J-4	-0.306	268.3	0.000

P-9:J-3	-0.302	267.5	0.000
P-8:J-3	-0.019	267.5	0.000
P-7:J-1	-0.005	267.6	0.000
P-6:J-1	-0.002	267.6	0.000
P-4:J-1	-0.002	267.6	0.000
P-4:PMP-1	0.000	267.4	0.000

\*\* Snapshot for selected end points at time 22.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.293	268.3	0.000
P-28:HT-1	-0.293	267.6	0.000
P-11:J-5	-0.333	270.3	0.000
P-10:J-4	-0.329	269.9	0.000
P-9:J-4	-0.329	269.9	0.000
P-9:J-3	-0.325	268.3	0.000
P-8:J-3	-0.032	268.3	0.000
P-7:J-1	0.002	267.5	0.000
P-6:J-1	0.001	267.5	0.000
P-4:J-1	0.001	267.5	0.000
P-4:PMP-1	0.000	267.2	0.000

\*\* Snapshot for selected end points at time 22.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.309	269.2	0.000
P-28:HT-1	-0.309	268.2	0.000
P-11:J-5	-0.353	270.6	0.000
P-10:J-4	-0.353	270.2	0.000
P-9:J-4	-0.353	270.2	0.000
P-9:J-3	-0.349	269.2	0.000
P-8:J-3	-0.040	269.2	0.000
P-7:J-1	-0.001	268.0	0.000
P-6:J-1	0.000	268.0	0.000
P-4:J-1	0.000	268.0	0.000
P-4:PMP-1	0.000	268.2	0.000

\*\* Snapshot for selected end points at time 22.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.324	269.4	0.000
P-28:HT-1	-0.324	268.8	0.000
P-11:J-5	-0.371	270.9	0.000
P-10:J-4	-0.373	270.5	0.000

P-9:J-4	-0.373	270.5	0.000
P-9:J-3	-0.370	269.4	0.000
P-8:J-3	-0.047	269.4	0.000
P-7:J-1	-0.002	269.6	0.000
P-6:J-1	-0.001	269.6	0.000
P-4:J-1	-0.001	269.6	0.000
P-4:PMP-1	0.000	270.0	0.000

\*\* Snapshot for selected end points at time 22.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.337	270.3	0.000
P-28:HT-1	-0.337	269.5	0.000
P-11:J-5	-0.378	270.0	0.000
P-10:J-4	-0.380	270.0	0.000
P-9:J-4	-0.380	270.0	0.000
P-9:J-3	-0.380	270.3	0.000
P-8:J-3	-0.042	270.3	0.000
P-7:J-1	0.000	269.9	0.000
P-6:J-1	0.000	269.9	0.000
P-4:J-1	0.000	269.9	0.000
P-4:PMP-1	0.000	270.0	0.000

\*\* Snapshot for selected end points at time 22.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.347	270.4	0.000
P-28:HT-1	-0.347	270.1	0.000
P-11:J-5	-0.389	271.0	0.000
P-10:J-4	-0.382	270.9	0.000
P-9:J-4	-0.382	270.9	0.000
P-9:J-3	-0.376	270.4	0.000
P-8:J-3	-0.029	270.4	0.000
P-7:J-1	0.001	269.3	0.000
P-6:J-1	0.000	269.3	0.000
P-4:J-1	0.000	269.3	0.000
P-4:PMP-1	0.000	269.0	0.000

\*\* Snapshot for selected end points at time 22.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.356	271.3	0.000
P-28:HT-1	-0.356	270.7	0.000
P-11:J-5	-0.397	271.9	0.000

P-10:J-4	-0.389	271.5	0.000
P-9:J-4	-0.389	271.5	0.000
P-9:J-3	-0.384	271.3	0.000
P-8:J-3	-0.028	271.3	0.000
P-7:J-1	-0.004	270.5	0.000
P-6:J-1	-0.001	270.5	0.000
P-4:J-1	-0.001	270.5	0.000
P-4:PMP-1	0.000	270.4	0.000

\*\* Snapshot for selected end points at time 22.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.361	271.9	0.000
P-28:HT-1	-0.361	271.3	0.000
P-11:J-5	-0.408	273.1	0.000
P-10:J-4	-0.404	272.3	0.000
P-9:J-4	-0.404	272.3	0.000
P-9:J-3	-0.402	271.9	0.000
P-8:J-3	-0.041	271.9	0.000
P-7:J-1	-0.003	273.0	0.000
P-6:J-1	-0.001	273.0	0.000
P-4:J-1	-0.001	273.0	0.000
P-4:PMP-1	0.000	273.1	0.000

\*\* Snapshot for selected end points at time 22.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.375	273.1	0.000
P-28:HT-1	-0.374	272.1	0.000
P-11:J-5	-0.426	274.1	0.000
P-10:J-4	-0.420	274.0	0.000
P-9:J-4	-0.420	274.0	0.000
P-9:J-3	-0.415	273.1	0.000
P-8:J-3	-0.041	273.1	0.000
P-7:J-1	-0.002	274.0	0.000
P-6:J-1	-0.001	274.0	0.000
P-4:J-1	-0.001	274.0	0.000
P-4:PMP-1	0.000	274.1	0.000

\*\* Snapshot for selected end points at time 22.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.395	273.9	0.000
P-28:HT-1	-0.395	273.0	0.000

P-11:J-5	-0.435	275.0	0.000
P-10:J-4	-0.430	274.8	0.000
P-9:J-4	-0.430	274.8	0.000
P-9:J-3	-0.431	273.9	0.000
P-8:J-3	-0.036	273.9	0.000
P-7:J-1	-0.002	275.0	0.000
P-6:J-1	-0.001	275.0	0.000
P-4:J-1	-0.001	275.0	0.000
P-4:PMP-1	0.000	275.4	0.000

\*\* Snapshot for selected end points at time 23.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.406	274.3	0.000
P-28:HT-1	-0.406	273.7	0.000
P-11:J-5	-0.457	275.9	0.000
P-10:J-4	-0.454	275.6	0.000
P-9:J-4	-0.454	275.6	0.000
P-9:J-3	-0.449	274.3	0.000
P-8:J-3	-0.043	274.3	0.000
P-7:J-1	0.003	274.0	0.000
P-6:J-1	0.001	274.0	0.000
P-4:J-1	0.001	274.0	0.000
P-4:PMP-1	0.000	274.0	0.000

\*\* Snapshot for selected end points at time 23.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.416	275.3	0.000
P-28:HT-1	-0.416	274.6	0.000
P-11:J-5	-0.479	276.8	0.000
P-10:J-4	-0.478	276.4	0.000
P-9:J-4	-0.478	276.4	0.000
P-9:J-3	-0.469	275.3	0.000
P-8:J-3	-0.053	275.3	0.000
P-7:J-1	-0.002	274.2	0.000
P-6:J-1	-0.001	274.2	0.000
P-4:J-1	-0.001	274.2	0.000
P-4:PMP-1	0.000	274.7	0.000

\*\* Snapshot for selected end points at time 23.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.436	276.7	0.000



P-28:HT-1	-0.436	275.6	0.000
P-11:J-5	-0.489	277.3	0.000
P-10:J-4	-0.485	277.0	0.000
P-9:J-4	-0.485	277.0	0.000
P-9:J-3	-0.482	276.7	0.000
P-8:J-3	-0.046	276.7	0.000
P-7:J-1	-0.004	274.9	0.000
P-6:J-1	-0.001	274.9	0.000
P-4:J-1	-0.001	274.9	0.000
P-4:PMP-1	0.000	274.6	0.000

\*\* Snapshot for selected end points at time 23.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.455	277.5	0.000
P-28:HT-1	-0.455	276.6	0.000
P-11:J-5	-0.505	278.9	0.000
P-10:J-4	-0.497	278.5	0.000
P-9:J-4	-0.497	278.5	0.000
P-9:J-3	-0.490	277.5	0.000
P-8:J-3	-0.035	277.5	0.000
P-7:J-1	-0.001	276.9	0.000
P-6:J-1	0.000	276.9	0.000
P-4:J-1	0.000	276.9	0.000
P-4:PMP-1	0.000	276.3	0.000

\*\* Snapshot for selected end points at time 23.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.472	278.8	0.000
P-28:HT-1	-0.472	277.7	0.000
P-11:J-5	-0.520	280.2	0.000
P-10:J-4	-0.517	279.9	0.000
P-9:J-4	-0.517	279.9	0.000
P-9:J-3	-0.512	278.8	0.000
P-8:J-3	-0.039	278.8	0.000
P-7:J-1	0.000	277.8	0.000
P-6:J-1	0.000	277.8	0.000
P-4:J-1	0.000	277.8	0.000
P-4:PMP-1	0.000	277.9	0.000

\*\* Snapshot for selected end points at time 23.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	-0.490	279.5	0.000
P-28:HT-1	-0.490	278.8	0.000
P-11:J-5	-0.543	281.4	0.000
P-10:J-4	-0.536	281.0	0.000
P-9:J-4	-0.536	281.0	0.000
P-9:J-3	-0.532	279.5	0.000
P-8:J-3	-0.042	279.5	0.000
P-7:J-1	-0.001	277.9	0.000
P-6:J-1	0.000	277.9	0.000
P-4:J-1	0.000	277.9	0.000
P-4:PMP-1	0.000	277.8	0.000

\*\* Snapshot for selected end points at time 23.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.498	280.4	0.000
P-28:HT-1	-0.498	279.8	0.000
P-11:J-5	-0.564	282.1	0.000
P-10:J-4	-0.565	281.6	0.000
P-9:J-4	-0.565	281.6	0.000
P-9:J-3	-0.561	280.4	0.000
P-8:J-3	-0.063	280.4	0.000
P-7:J-1	-0.003	280.2	0.000
P-6:J-1	-0.001	280.2	0.000
P-4:J-1	-0.001	280.2	0.000
P-4:PMP-1	0.000	280.5	0.000

\*\* Snapshot for selected end points at time 23.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.511	281.5	0.000
P-28:HT-1	-0.511	281.0	0.000
P-11:J-5	-0.586	282.6	0.000
P-10:J-4	-0.577	282.4	0.000
P-9:J-4	-0.577	282.4	0.000
P-9:J-3	-0.575	281.5	0.000
P-8:J-3	-0.064	281.5	0.000
P-7:J-1	-0.002	281.8	0.000
P-6:J-1	-0.001	281.8	0.000
P-4:J-1	-0.001	281.8	0.000
P-4:PMP-1	0.000	282.2	0.000

\*\* Snapshot for selected end points at time 23.800 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
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-----	-----	-----	-----
P-28:J-3	-0.522	283.0	0.000
P-28:HT-1	-0.521	282.1	0.000
P-11:J-5	-0.598	283.3	0.000
P-10:J-4	-0.592	283.2	0.000
P-9:J-4	-0.592	283.2	0.000
P-9:J-3	-0.584	283.0	0.000
P-8:J-3	-0.062	283.0	0.000
P-7:J-1	0.000	281.3	0.000
P-6:J-1	0.000	281.3	0.000
P-4:J-1	0.000	281.3	0.000
P-4:PMP-1	0.000	281.1	0.000

\*\* Snapshot for selected end points at time 23.900 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.533	283.7	0.000
P-28:HT-1	-0.533	283.3	0.000
P-11:J-5	-0.596	284.4	0.000
P-10:J-4	-0.596	284.1	0.000
P-9:J-4	-0.596	284.1	0.000
P-9:J-3	-0.592	283.7	0.000
P-8:J-3	-0.059	283.7	0.000
P-7:J-1	-0.004	282.2	0.000
P-6:J-1	-0.001	282.2	0.000
P-4:J-1	-0.001	282.2	0.000
P-4:PMP-1	0.000	282.2	0.000

\*\* Snapshot for selected end points at time 24.000 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.538	284.4	0.000
P-28:HT-1	-0.538	284.4	0.000
P-11:J-5	-0.614	285.9	0.000
P-10:J-4	-0.607	285.5	0.000
P-9:J-4	-0.607	285.5	0.000
P-9:J-3	-0.600	284.4	0.000
P-8:J-3	-0.062	284.4	0.000
P-7:J-1	-0.001	283.6	0.000
P-6:J-1	0.000	283.6	0.000
P-4:J-1	0.000	283.6	0.000
P-4:PMP-1	0.000	283.7	0.000

\*\* Snapshot for selected end points at time 24.100 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point	(cms)	(m)	(m3)
-----	-----	-----	-----
P-28:J-3	-0.545	286.1	0.000
P-28:HT-1	-0.545	285.5	0.000
P-11:J-5	-0.622	286.6	0.000
P-10:J-4	-0.617	286.4	0.000
P-9:J-4	-0.617	286.4	0.000
P-9:J-3	-0.612	286.1	0.000
P-8:J-3	-0.067	286.1	0.000
P-7:J-1	-0.006	285.5	0.000
P-6:J-1	-0.002	285.5	0.000
P-4:J-1	-0.002	285.5	0.000
P-4:PMP-1	0.000	285.4	0.000

\*\* Snapshot for selected end points at time 24.200 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.557	287.4	0.000
P-28:HT-1	-0.557	286.8	0.000
P-11:J-5	-0.623	287.5	0.000
P-10:J-4	-0.616	287.5	0.000
P-9:J-4	-0.616	287.5	0.000
P-9:J-3	-0.616	287.4	0.000
P-8:J-3	-0.058	287.4	0.000
P-7:J-1	-0.001	288.1	0.000
P-6:J-1	0.000	288.1	0.000
P-4:J-1	0.000	288.1	0.000
P-4:PMP-1	0.000	288.3	0.000

\*\* Snapshot for selected end points at time 24.300 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	-0.562	288.0	0.000
P-28:HT-1	-0.562	288.0	0.000
P-11:J-5	-0.625	288.4	0.000
P-10:J-4	-0.618	288.4	0.000
P-9:J-4	-0.618	288.4	0.000
P-9:J-3	-0.619	288.0	0.000
P-8:J-3	-0.057	288.0	0.000
P-7:J-1	-0.003	289.3	0.000
P-6:J-1	-0.001	289.3	0.000
P-4:J-1	-0.001	289.3	0.000
P-4:PMP-1	0.000	289.1	0.000

\*\* Snapshot for selected end points at time 24.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.555	288.9	0.000
P-28:HT-1	-0.555	289.0	0.000
P-11:J-5	-0.635	289.2	0.000
P-10:J-4	-0.630	289.0	0.000
P-9:J-4	-0.630	289.0	0.000
P-9:J-3	-0.623	288.9	0.000
P-8:J-3	-0.068	288.9	0.000
P-7:J-1	-0.002	290.1	0.000
P-6:J-1	-0.001	290.1	0.000
P-4:J-1	-0.001	290.1	0.000
P-4:PMP-1	0.000	289.8	0.000

\*\* Snapshot for selected end points at time 24.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.557	290.5	0.000
P-28:HT-1	-0.556	290.1	0.000
P-11:J-5	-0.634	290.2	0.000
P-10:J-4	-0.629	290.3	0.000
P-9:J-4	-0.629	290.3	0.000
P-9:J-3	-0.624	290.5	0.000
P-8:J-3	-0.067	290.5	0.000
P-7:J-1	-0.002	290.4	0.000
P-6:J-1	-0.001	290.4	0.000
P-4:J-1	-0.001	290.4	0.000
P-4:PMP-1	0.000	290.5	0.000

\*\* Snapshot for selected end points at time 24.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.557	291.3	0.000
P-28:HT-1	-0.557	291.3	0.000
P-11:J-5	-0.628	291.1	0.000
P-10:J-4	-0.628	291.2	0.000
P-9:J-4	-0.628	291.2	0.000
P-9:J-3	-0.623	291.3	0.000
P-8:J-3	-0.066	291.3	0.000
P-7:J-1	-0.006	292.7	0.000
P-6:J-1	-0.002	292.7	0.000
P-4:J-1	-0.002	292.7	0.000
P-4:PMP-1	0.000	292.8	0.000

\*\* Snapshot for selected end points at time 24.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.559	292.8	0.000
P-28:HT-1	-0.559	292.6	0.000
P-11:J-5	-0.623	291.7	0.000
P-10:J-4	-0.616	291.9	0.000
P-9:J-4	-0.616	291.9	0.000
P-9:J-3	-0.611	292.8	0.000
P-8:J-3	-0.051	292.8	0.000
P-7:J-1	-0.002	293.6	0.000
P-6:J-1	-0.001	293.6	0.000
P-4:J-1	-0.001	293.6	0.000
P-4:PMP-1	0.000	293.2	0.000

\*\* Snapshot for selected end points at time 24.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.558	293.5	0.000
P-28:HT-1	-0.557	293.7	0.000
P-11:J-5	-0.614	293.5	0.000
P-10:J-4	-0.609	293.6	0.000
P-9:J-4	-0.609	293.6	0.000
P-9:J-3	-0.604	293.5	0.000
P-8:J-3	-0.047	293.5	0.000
P-7:J-1	-0.001	293.8	0.000
P-6:J-1	0.000	293.8	0.000
P-4:J-1	0.000	293.8	0.000
P-4:PMP-1	0.000	293.3	0.000

\*\* Snapshot for selected end points at time 24.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.555	294.9	0.000
P-28:HT-1	-0.555	294.9	0.000
P-11:J-5	-0.613	294.6	0.000
P-10:J-4	-0.606	294.7	0.000
P-9:J-4	-0.606	294.7	0.000
P-9:J-3	-0.600	294.9	0.000
P-8:J-3	-0.045	294.9	0.000
P-7:J-1	-0.003	295.1	0.000
P-6:J-1	-0.001	295.1	0.000
P-4:J-1	-0.001	295.1	0.000
P-4:PMP-1	0.000	294.7	0.000

\*\* Snapshot for selected end points at time 25.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.550	295.8	0.000
P-28:HT-1	-0.550	296.1	0.000
P-11:J-5	-0.609	295.8	0.000
P-10:J-4	-0.607	295.8	0.000
P-9:J-4	-0.607	295.8	0.000
P-9:J-3	-0.600	295.8	0.000
P-8:J-3	-0.050	295.8	0.000
P-7:J-1	-0.003	297.3	0.000
P-6:J-1	-0.001	297.3	0.000
P-4:J-1	-0.001	297.3	0.000
P-4:PMP-1	0.000	297.3	0.000

\*\* Snapshot for selected end points at time 25.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.544	296.9	0.000
P-28:HT-1	-0.544	297.2	0.000
P-11:J-5	-0.597	295.7	0.000
P-10:J-4	-0.598	296.1	0.000
P-9:J-4	-0.598	296.1	0.000
P-9:J-3	-0.595	296.9	0.000
P-8:J-3	-0.052	296.9	0.000
P-7:J-1	-0.001	298.0	0.000
P-6:J-1	0.000	298.0	0.000
P-4:J-1	0.000	298.0	0.000
P-4:PMP-1	0.000	297.9	0.000

\*\* Snapshot for selected end points at time 25.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.536	297.9	0.000
P-28:HT-1	-0.536	298.3	0.000
P-11:J-5	-0.585	296.4	0.000
P-10:J-4	-0.582	297.1	0.000
P-9:J-4	-0.582	297.1	0.000
P-9:J-3	-0.573	297.9	0.000
P-8:J-3	-0.037	297.9	0.000
P-7:J-1	0.001	298.7	0.000
P-6:J-1	0.000	298.7	0.000
P-4:J-1	0.000	298.7	0.000
P-4:PMP-1	0.000	299.0	0.000

\*\* Snapshot for selected end points at time 25.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.520	298.1	0.000
P-28:HT-1	-0.520	299.3	0.000
P-11:J-5	-0.573	297.6	0.000
P-10:J-4	-0.568	297.7	0.000
P-9:J-4	-0.568	297.7	0.000
P-9:J-3	-0.559	298.1	0.000
P-8:J-3	-0.039	298.1	0.000
P-7:J-1	0.000	298.1	0.000
P-6:J-1	0.000	298.1	0.000
P-4:J-1	0.000	298.1	0.000
P-4:PMP-1	0.000	297.9	0.000

\*\* Snapshot for selected end points at time 25.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.502	299.5	0.000
P-28:HT-1	-0.501	300.2	0.000
P-11:J-5	-0.555	298.3	0.000
P-10:J-4	-0.555	298.5	0.000
P-9:J-4	-0.555	298.5	0.000
P-9:J-3	-0.550	299.5	0.000
P-8:J-3	-0.048	299.5	0.000
P-7:J-1	-0.003	299.3	0.000
P-6:J-1	-0.001	299.3	0.000
P-4:J-1	-0.001	299.3	0.000
P-4:PMP-1	0.000	299.3	0.000

\*\* Snapshot for selected end points at time 25.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.488	300.7	0.000
P-28:HT-1	-0.488	301.2	0.000
P-11:J-5	-0.541	299.3	0.000
P-10:J-4	-0.537	299.6	0.000
P-9:J-4	-0.537	299.6	0.000
P-9:J-3	-0.529	300.7	0.000
P-8:J-3	-0.041	300.7	0.000
P-7:J-1	-0.004	300.6	0.000
P-6:J-1	-0.001	300.6	0.000
P-4:J-1	-0.001	300.6	0.000
P-4:PMP-1	0.000	300.4	0.000



\*\* Snapshot for selected end points at time 25.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.479	301.8	0.000
P-28:HT-1	-0.479	302.3	0.000
P-11:J-5	-0.526	301.1	0.000
P-10:J-4	-0.521	301.3	0.000
P-9:J-4	-0.521	301.3	0.000
P-9:J-3	-0.515	301.8	0.000
P-8:J-3	-0.036	301.8	0.000
P-7:J-1	-0.003	302.2	0.000
P-6:J-1	-0.001	302.2	0.000
P-4:J-1	-0.001	302.2	0.000
P-4:PMP-1	0.000	302.5	0.000

\*\* Snapshot for selected end points at time 25.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.467	302.8	0.000
P-28:HT-1	-0.467	303.3	0.000
P-11:J-5	-0.520	302.4	0.000
P-10:J-4	-0.515	302.5	0.000
P-9:J-4	-0.515	302.5	0.000
P-9:J-3	-0.508	302.8	0.000
P-8:J-3	-0.040	302.8	0.000
P-7:J-1	0.001	302.2	0.000
P-6:J-1	0.000	302.2	0.000
P-4:J-1	0.000	302.2	0.000
P-4:PMP-1	0.000	302.4	0.000

\*\* Snapshot for selected end points at time 25.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.457	303.6	0.000
P-28:HT-1	-0.457	304.4	0.000
P-11:J-5	-0.506	303.1	0.000
P-10:J-4	-0.504	303.3	0.000
P-9:J-4	-0.504	303.3	0.000
P-9:J-3	-0.505	303.6	0.000
P-8:J-3	-0.049	303.6	0.000
P-7:J-1	-0.003	302.4	0.000
P-6:J-1	-0.001	302.4	0.000
P-4:J-1	-0.001	302.4	0.000

P-4:PMP-1	0.000	302.8	0.000
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\*\* Snapshot for selected end points at time 25.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.437	304.4	0.000
P-28:HT-1	-0.437	305.3	0.000
P-11:J-5	-0.497	303.0	0.000
P-10:J-4	-0.495	303.3	0.000
P-9:J-4	-0.495	303.3	0.000
P-9:J-3	-0.492	304.4	0.000
P-8:J-3	-0.055	304.4	0.000
P-7:J-1	-0.008	303.9	0.000
P-6:J-1	-0.003	303.9	0.000
P-4:J-1	-0.003	303.9	0.000
P-4:PMP-1	0.000	303.9	0.000

\*\* Snapshot for selected end points at time 26.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.421	305.4	0.000
P-28:HT-1	-0.421	306.2	0.000
P-11:J-5	-0.482	304.1	0.000
P-10:J-4	-0.476	304.5	0.000
P-9:J-4	-0.476	304.5	0.000
P-9:J-3	-0.470	305.4	0.000
P-8:J-3	-0.050	305.4	0.000
P-7:J-1	0.000	304.9	0.000
P-6:J-1	0.000	304.9	0.000
P-4:J-1	0.000	304.9	0.000
P-4:PMP-1	0.000	304.9	0.000

\*\* Snapshot for selected end points at time 26.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.406	306.7	0.000
P-28:HT-1	-0.406	307.2	0.000
P-11:J-5	-0.466	305.5	0.000
P-10:J-4	-0.462	305.8	0.000
P-9:J-4	-0.462	305.8	0.000
P-9:J-3	-0.454	306.7	0.000
P-8:J-3	-0.048	306.7	0.000
P-7:J-1	0.000	305.3	0.000
P-6:J-1	0.000	305.3	0.000

P-4:J-1	0.000	305.3	0.000
P-4:PMP-1	0.000	305.4	0.000

\*\* Snapshot for selected end points at time 26.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.396	307.6	0.000
P-28:HT-1	-0.396	308.2	0.000
P-11:J-5	-0.459	307.4	0.000
P-10:J-4	-0.450	307.6	0.000
P-9:J-4	-0.450	307.6	0.000
P-9:J-3	-0.443	307.6	0.000
P-8:J-3	-0.047	307.6	0.000
P-7:J-1	-0.002	306.5	0.000
P-6:J-1	-0.001	306.5	0.000
P-4:J-1	-0.001	306.5	0.000
P-4:PMP-1	0.000	306.6	0.000

\*\* Snapshot for selected end points at time 26.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.385	308.6	0.000
P-28:HT-1	-0.384	309.2	0.000
P-11:J-5	-0.446	308.2	0.000
P-10:J-4	-0.447	308.4	0.000
P-9:J-4	-0.447	308.4	0.000
P-9:J-3	-0.445	308.6	0.000
P-8:J-3	-0.061	308.6	0.000
P-7:J-1	-0.004	308.1	0.000
P-6:J-1	-0.001	308.1	0.000
P-4:J-1	-0.001	308.1	0.000
P-4:PMP-1	0.000	308.1	0.000

\*\* Snapshot for selected end points at time 26.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.373	309.6	0.000
P-28:HT-1	-0.372	310.2	0.000
P-11:J-5	-0.442	308.6	0.000
P-10:J-4	-0.441	309.1	0.000
P-9:J-4	-0.441	309.1	0.000
P-9:J-3	-0.434	309.6	0.000
P-8:J-3	-0.062	309.6	0.000
P-7:J-1	-0.003	309.6	0.000

P-6:J-1	-0.001	309.6	0.000
P-4:J-1	-0.001	309.6	0.000
P-4:PMP-1	0.000	309.4	0.000

\*\* Snapshot for selected end points at time 26.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.364	310.8	0.000
P-28:HT-1	-0.364	311.3	0.000
P-11:J-5	-0.430	309.2	0.000
P-10:J-4	-0.420	309.4	0.000
P-9:J-4	-0.420	309.4	0.000
P-9:J-3	-0.415	310.8	0.000
P-8:J-3	-0.052	310.8	0.000
P-7:J-1	0.000	310.6	0.000
P-6:J-1	0.000	310.6	0.000
P-4:J-1	0.000	310.6	0.000
P-4:PMP-1	0.000	310.5	0.000

\*\* Snapshot for selected end points at time 26.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.347	311.3	0.000
P-28:HT-1	-0.347	312.2	0.000
P-11:J-5	-0.406	310.0	0.000
P-10:J-4	-0.405	310.2	0.000
P-9:J-4	-0.405	310.2	0.000
P-9:J-3	-0.403	311.3	0.000
P-8:J-3	-0.057	311.3	0.000
P-7:J-1	-0.002	311.4	0.000
P-6:J-1	-0.001	311.4	0.000
P-4:J-1	-0.001	311.4	0.000
P-4:PMP-1	0.000	311.4	0.000

\*\* Snapshot for selected end points at time 26.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.326	311.9	0.000
P-28:HT-1	-0.326	313.0	0.000
P-11:J-5	-0.392	310.7	0.000
P-10:J-4	-0.389	311.1	0.000
P-9:J-4	-0.389	311.1	0.000
P-9:J-3	-0.384	311.9	0.000
P-8:J-3	-0.058	311.9	0.000

P-7:J-1	-0.001	312.2	0.000
P-6:J-1	0.000	312.2	0.000
P-4:J-1	0.000	312.2	0.000
P-4:PMP-1	0.000	312.5	0.000

\*\* Snapshot for selected end points at time 26.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.311	313.1	0.000
P-28:HT-1	-0.311	313.8	0.000
P-11:J-5	-0.368	311.2	0.000
P-10:J-4	-0.365	311.7	0.000
P-9:J-4	-0.365	311.7	0.000
P-9:J-3	-0.365	313.1	0.000
P-8:J-3	-0.054	313.1	0.000
P-7:J-1	-0.005	314.0	0.000
P-6:J-1	-0.002	314.0	0.000
P-4:J-1	-0.002	314.0	0.000
P-4:PMP-1	0.000	314.1	0.000

\*\* Snapshot for selected end points at time 26.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.294	313.8	0.000
P-28:HT-1	-0.294	314.6	0.000
P-11:J-5	-0.347	312.0	0.000
P-10:J-4	-0.344	312.6	0.000
P-9:J-4	-0.344	312.6	0.000
P-9:J-3	-0.339	313.8	0.000
P-8:J-3	-0.045	313.8	0.000
P-7:J-1	0.000	315.7	0.000
P-6:J-1	0.000	315.7	0.000
P-4:J-1	0.000	315.7	0.000
P-4:PMP-1	0.000	316.1	0.000

\*\* Snapshot for selected end points at time 27.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.277	314.6	0.000
P-28:HT-1	-0.277	315.4	0.000
P-11:J-5	-0.329	313.3	0.000
P-10:J-4	-0.326	313.8	0.000
P-9:J-4	-0.326	313.8	0.000
P-9:J-3	-0.317	314.6	0.000

P-8:J-3	-0.039	314.6	0.000
P-7:J-1	-0.001	316.7	0.000
P-6:J-1	0.000	316.7	0.000
P-4:J-1	0.000	316.7	0.000
P-4:PMP-1	0.000	317.4	0.000

\*\* Snapshot for selected end points at time 27.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.263	315.2	0.000
P-28:HT-1	-0.263	316.2	0.000
P-11:J-5	-0.302	313.8	0.000
P-10:J-4	-0.304	314.2	0.000
P-9:J-4	-0.304	314.2	0.000
P-9:J-3	-0.303	315.2	0.000
P-8:J-3	-0.040	315.2	0.000
P-7:J-1	-0.003	316.6	0.000
P-6:J-1	-0.001	316.6	0.000
P-4:J-1	-0.001	316.6	0.000
P-4:PMP-1	0.000	316.2	0.000

\*\* Snapshot for selected end points at time 27.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.243	315.7	0.000
P-28:HT-1	-0.243	316.9	0.000
P-11:J-5	-0.285	314.0	0.000
P-10:J-4	-0.281	314.5	0.000
P-9:J-4	-0.281	314.5	0.000
P-9:J-3	-0.277	315.7	0.000
P-8:J-3	-0.035	315.7	0.000
P-7:J-1	-0.001	317.7	0.000
P-6:J-1	0.000	317.7	0.000
P-4:J-1	0.000	317.7	0.000
P-4:PMP-1	0.000	317.4	0.000

\*\* Snapshot for selected end points at time 27.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.221	316.4	0.000
P-28:HT-1	-0.221	317.5	0.000
P-11:J-5	-0.256	314.4	0.000
P-10:J-4	-0.257	315.1	0.000
P-9:J-4	-0.257	315.1	0.000

P-9:J-3	-0.256	316.4	0.000
P-8:J-3	-0.035	316.4	0.000
P-7:J-1	-0.001	318.7	0.000
P-6:J-1	0.000	318.7	0.000
P-4:J-1	0.000	318.7	0.000
P-4:PMP-1	0.000	318.9	0.000

\*\* Snapshot for selected end points at time 27.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.204	317.1	0.000
P-28:HT-1	-0.204	318.1	0.000
P-11:J-5	-0.227	314.4	0.000
P-10:J-4	-0.222	315.1	0.000
P-9:J-4	-0.222	315.1	0.000
P-9:J-3	-0.221	317.1	0.000
P-8:J-3	-0.017	317.1	0.000
P-7:J-1	0.002	318.6	0.000
P-6:J-1	0.001	318.6	0.000
P-4:J-1	0.001	318.6	0.000
P-4:PMP-1	0.000	318.5	0.000

\*\* Snapshot for selected end points at time 27.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.180	317.3	0.000
P-28:HT-1	-0.180	318.7	0.000
P-11:J-5	-0.195	315.3	0.000
P-10:J-4	-0.192	315.9	0.000
P-9:J-4	-0.192	315.9	0.000
P-9:J-3	-0.191	317.3	0.000
P-8:J-3	-0.011	317.3	0.000
P-7:J-1	0.001	318.7	0.000
P-6:J-1	0.000	318.7	0.000
P-4:J-1	0.000	318.7	0.000
P-4:PMP-1	0.000	319.0	0.000

\*\* Snapshot for selected end points at time 27.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.156	317.5	0.000
P-28:HT-1	-0.156	319.1	0.000
P-11:J-5	-0.170	316.0	0.000
P-10:J-4	-0.165	316.6	0.000

P-9:J-4	-0.165	316.6	0.000
P-9:J-3	-0.166	317.5	0.000
P-8:J-3	-0.010	317.5	0.000
P-7:J-1	-0.002	319.5	0.000
P-6:J-1	-0.001	319.5	0.000
P-4:J-1	-0.001	319.5	0.000
P-4:PMP-1	0.000	319.8	0.000

\*\* Snapshot for selected end points at time 27.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.129	318.5	0.000
P-28:HT-1	-0.129	319.5	0.000
P-11:J-5	-0.151	316.4	0.000
P-10:J-4	-0.146	317.1	0.000
P-9:J-4	-0.146	317.1	0.000
P-9:J-3	-0.138	318.5	0.000
P-8:J-3	-0.009	318.5	0.000
P-7:J-1	-0.001	319.6	0.000
P-6:J-1	0.000	319.6	0.000
P-4:J-1	0.000	319.6	0.000
P-4:PMP-1	0.000	319.6	0.000

\*\* Snapshot for selected end points at time 27.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.112	318.9	0.000
P-28:HT-1	-0.112	319.9	0.000
P-11:J-5	-0.112	316.7	0.000
P-10:J-4	-0.118	317.3	0.000
P-9:J-4	-0.118	317.3	0.000
P-9:J-3	-0.119	318.9	0.000
P-8:J-3	-0.007	318.9	0.000
P-7:J-1	-0.002	319.8	0.000
P-6:J-1	-0.001	319.8	0.000
P-4:J-1	-0.001	319.8	0.000
P-4:PMP-1	0.000	319.8	0.000

\*\* Snapshot for selected end points at time 27.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.090	318.6	0.000
P-28:HT-1	-0.090	320.1	0.000
P-11:J-5	-0.092	316.9	0.000



P-10:J-4	-0.089	317.5	0.000
P-9:J-4	-0.089	317.5	0.000
P-9:J-3	-0.088	318.6	0.000
P-8:J-3	0.002	318.6	0.000
P-7:J-1	0.003	319.8	0.000
P-6:J-1	0.001	319.8	0.000
P-4:J-1	0.001	319.8	0.000
P-4:PMP-1	0.000	320.1	0.000

\*\* Snapshot for selected end points at time 28.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.061	318.7	0.000
P-28:HT-1	-0.061	320.3	0.000
P-11:J-5	-0.065	317.0	0.000
P-10:J-4	-0.064	317.4	0.000
P-9:J-4	-0.064	317.4	0.000
P-9:J-3	-0.063	318.7	0.000
P-8:J-3	-0.002	318.7	0.000
P-7:J-1	0.001	318.3	0.000
P-6:J-1	0.000	318.3	0.000
P-4:J-1	0.000	318.3	0.000
P-4:PMP-1	0.000	318.1	0.000

\*\* Snapshot for selected end points at time 28.100 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.035	319.1	0.000
P-28:HT-1	-0.035	320.5	0.000
P-11:J-5	-0.034	316.8	0.000
P-10:J-4	-0.033	317.4	0.000
P-9:J-4	-0.033	317.4	0.000
P-9:J-3	-0.037	319.1	0.000
P-8:J-3	-0.002	319.1	0.000
P-7:J-1	0.001	318.5	0.000
P-6:J-1	0.000	318.5	0.000
P-4:J-1	0.000	318.5	0.000
P-4:PMP-1	0.000	318.6	0.000

\*\* Snapshot for selected end points at time 28.200 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	-0.009	319.0	0.000
P-28:HT-1	-0.009	320.5	0.000

P-11:J-5	0.000	316.3	0.000
P-10:J-4	0.003	317.1	0.000
P-9:J-4	0.003	317.1	0.000
P-9:J-3	-0.002	319.0	0.000
P-8:J-3	0.007	319.0	0.000
P-7:J-1	-0.003	319.1	0.000
P-6:J-1	-0.001	319.1	0.000
P-4:J-1	-0.001	319.1	0.000
P-4:PMP-1	0.000	319.1	0.000

\*\* Snapshot for selected end points at time 28.300 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.025	318.8	0.000
P-28:HT-1	0.025	320.5	0.000
P-11:J-5	0.027	316.6	0.000
P-10:J-4	0.030	317.2	0.000
P-9:J-4	0.030	317.2	0.000
P-9:J-3	0.033	318.8	0.000
P-8:J-3	0.008	318.8	0.000
P-7:J-1	-0.001	319.7	0.000
P-6:J-1	0.000	319.7	0.000
P-4:J-1	0.000	319.7	0.000
P-4:PMP-1	0.000	319.9	0.000

\*\* Snapshot for selected end points at time 28.400 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.051	319.1	0.000
P-28:HT-1	0.051	320.3	0.000
P-11:J-5	0.056	317.1	0.000
P-10:J-4	0.059	317.6	0.000
P-9:J-4	0.059	317.6	0.000
P-9:J-3	0.060	319.1	0.000
P-8:J-3	0.009	319.1	0.000
P-7:J-1	0.003	319.0	0.000
P-6:J-1	0.001	319.0	0.000
P-4:J-1	0.001	319.0	0.000
P-4:PMP-1	0.000	319.0	0.000

\*\* Snapshot for selected end points at time 28.500 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.075	318.7	0.000

P-28:HT-1	0.075	320.1	0.000
P-11:J-5	0.078	318.0	0.000
P-10:J-4	0.077	318.3	0.000
P-9:J-4	0.077	318.3	0.000
P-9:J-3	0.076	318.7	0.000
P-8:J-3	0.001	318.7	0.000
P-7:J-1	-0.003	318.8	0.000
P-6:J-1	-0.001	318.8	0.000
P-4:J-1	-0.001	318.8	0.000
P-4:PMP-1	0.000	319.0	0.000

\*\* Snapshot for selected end points at time 28.600 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.096	318.8	0.000
P-28:HT-1	0.096	319.7	0.000
P-11:J-5	0.099	316.9	0.000
P-10:J-4	0.095	317.3	0.000
P-9:J-4	0.095	317.3	0.000
P-9:J-3	0.091	318.8	0.000
P-8:J-3	-0.004	318.8	0.000
P-7:J-1	-0.002	319.2	0.000
P-6:J-1	-0.001	319.2	0.000
P-4:J-1	-0.001	319.2	0.000
P-4:PMP-1	0.000	318.9	0.000

\*\* Snapshot for selected end points at time 28.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.115	318.1	0.000
P-28:HT-1	0.115	319.3	0.000
P-11:J-5	0.124	316.2	0.000
P-10:J-4	0.122	316.8	0.000
P-9:J-4	0.122	316.8	0.000
P-9:J-3	0.119	318.1	0.000
P-8:J-3	0.004	318.1	0.000
P-7:J-1	0.002	318.8	0.000
P-6:J-1	0.001	318.8	0.000
P-4:J-1	0.001	318.8	0.000
P-4:PMP-1	0.000	318.5	0.000

\*\* Snapshot for selected end points at time 28.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
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P-28:J-3	0.132	317.9	0.000
P-28:HT-1	0.132	318.8	0.000
P-11:J-5	0.152	315.6	0.000
P-10:J-4	0.151	316.3	0.000
P-9:J-4	0.151	316.3	0.000
P-9:J-3	0.150	317.9	0.000
P-8:J-3	0.018	317.9	0.000
P-7:J-1	0.000	317.8	0.000
P-6:J-1	0.000	317.8	0.000
P-4:J-1	0.000	317.8	0.000
P-4:PMP-1	0.000	317.4	0.000

\*\* Snapshot for selected end points at time 28.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.151	317.1	0.000
P-28:HT-1	0.151	318.2	0.000
P-11:J-5	0.170	316.0	0.000
P-10:J-4	0.173	316.4	0.000
P-9:J-4	0.173	316.4	0.000
P-9:J-3	0.174	317.1	0.000
P-8:J-3	0.023	317.1	0.000
P-7:J-1	0.000	318.2	0.000
P-6:J-1	0.000	318.2	0.000
P-4:J-1	0.000	318.2	0.000
P-4:PMP-1	0.000	318.4	0.000

\*\* Snapshot for selected end points at time 29.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.168	316.8	0.000
P-28:HT-1	0.168	317.6	0.000
P-11:J-5	0.190	316.0	0.000
P-10:J-4	0.184	316.3	0.000
P-9:J-4	0.184	316.3	0.000
P-9:J-3	0.182	316.8	0.000
P-8:J-3	0.014	316.8	0.000
P-7:J-1	0.000	318.0	0.000
P-6:J-1	0.000	318.0	0.000
P-4:J-1	0.000	318.0	0.000
P-4:PMP-1	0.000	317.9	0.000

\*\* Snapshot for selected end points at time 29.100 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
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-----	-----	-----	-----
P-28:J-3	0.175	316.7	0.000
P-28:HT-1	0.175	317.0	0.000
P-11:J-5	0.204	315.2	0.000
P-10:J-4	0.199	315.9	0.000
P-9:J-4	0.199	315.9	0.000
P-9:J-3	0.200	316.7	0.000
P-8:J-3	0.024	316.7	0.000
P-7:J-1	-0.001	319.2	0.000
P-6:J-1	0.000	319.2	0.000
P-4:J-1	0.000	319.2	0.000
P-4:PMP-1	0.000	319.5	0.000

\*\* Snapshot for selected end points at time 29.200 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.183	315.5	0.000
P-28:HT-1	0.183	316.3	0.000
P-11:J-5	0.219	314.5	0.000
P-10:J-4	0.217	314.9	0.000
P-9:J-4	0.217	314.9	0.000
P-9:J-3	0.219	315.5	0.000
P-8:J-3	0.036	315.5	0.000
P-7:J-1	0.003	318.4	0.000
P-6:J-1	0.001	318.4	0.000
P-4:J-1	0.001	318.4	0.000
P-4:PMP-1	0.000	318.2	0.000

\*\* Snapshot for selected end points at time 29.300 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.196	314.9	0.000
P-28:HT-1	0.196	315.6	0.000
P-11:J-5	0.238	314.0	0.000
P-10:J-4	0.231	314.0	0.000
P-9:J-4	0.231	314.0	0.000
P-9:J-3	0.228	314.9	0.000
P-8:J-3	0.032	314.9	0.000
P-7:J-1	0.002	317.2	0.000
P-6:J-1	0.001	317.2	0.000
P-4:J-1	0.001	317.2	0.000
P-4:PMP-1	0.000	317.1	0.000

\*\* Snapshot for selected end points at time 29.400 s \*\*

End	Flow	Head	Volume
-----	------	------	--------

Point	(cms)	(m)	(m3)
-----	-----	-----	-----
P-28:J-3	0.210	314.3	0.000
P-28:HT-1	0.210	314.8	0.000
P-11:J-5	0.252	312.7	0.000
P-10:J-4	0.246	312.9	0.000
P-9:J-4	0.246	312.9	0.000
P-9:J-3	0.244	314.3	0.000
P-8:J-3	0.034	314.3	0.000
P-7:J-1	0.002	315.1	0.000
P-6:J-1	0.001	315.1	0.000
P-4:J-1	0.001	315.1	0.000
P-4:PMP-1	0.000	315.3	0.000

\*\* Snapshot for selected end points at time 29.500 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.220	313.3	0.000
P-28:HT-1	0.220	314.0	0.000
P-11:J-5	0.274	311.8	0.000
P-10:J-4	0.270	312.3	0.000
P-9:J-4	0.270	312.3	0.000
P-9:J-3	0.265	313.3	0.000
P-8:J-3	0.045	313.3	0.000
P-7:J-1	-0.002	314.9	0.000
P-6:J-1	-0.001	314.9	0.000
P-4:J-1	-0.001	314.9	0.000
P-4:PMP-1	0.000	315.0	0.000

\*\* Snapshot for selected end points at time 29.600 s \*\*

End Point	Flow (cms)	Head (m)	Volume (m3)
-----	-----	-----	-----
P-28:J-3	0.234	312.5	0.000
P-28:HT-1	0.233	313.2	0.000
P-11:J-5	0.294	310.7	0.000
P-10:J-4	0.290	311.2	0.000
P-9:J-4	0.290	311.2	0.000
P-9:J-3	0.288	312.5	0.000
P-8:J-3	0.055	312.5	0.000
P-7:J-1	0.003	315.0	0.000
P-6:J-1	0.001	315.0	0.000
P-4:J-1	0.001	315.0	0.000
P-4:PMP-1	0.000	315.4	0.000

\*\* Snapshot for selected end points at time 29.700 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.242	311.7	0.000
P-28:HT-1	0.242	312.3	0.000
P-11:J-5	0.315	310.5	0.000
P-10:J-4	0.317	310.8	0.000
P-9:J-4	0.317	310.8	0.000
P-9:J-3	0.311	311.7	0.000
P-8:J-3	0.069	311.7	0.000
P-7:J-1	0.003	313.2	0.000
P-6:J-1	0.001	313.2	0.000
P-4:J-1	0.001	313.2	0.000
P-4:PMP-1	0.000	313.8	0.000

\*\* Snapshot for selected end points at time 29.800 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.258	310.7	0.000
P-28:HT-1	0.258	311.4	0.000
P-11:J-5	0.334	309.7	0.000
P-10:J-4	0.327	310.0	0.000
P-9:J-4	0.327	310.0	0.000
P-9:J-3	0.321	310.7	0.000
P-8:J-3	0.063	310.7	0.000
P-7:J-1	-0.003	311.6	0.000
P-6:J-1	-0.001	311.6	0.000
P-4:J-1	-0.001	311.6	0.000
P-4:PMP-1	0.000	311.9	0.000

\*\* Snapshot for selected end points at time 29.900 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.273	309.4	0.000
P-28:HT-1	0.273	310.5	0.000
P-11:J-5	0.347	308.4	0.000
P-10:J-4	0.341	308.7	0.000
P-9:J-4	0.341	308.7	0.000
P-9:J-3	0.337	309.4	0.000
P-8:J-3	0.064	309.4	0.000
P-7:J-1	0.001	311.0	0.000
P-6:J-1	0.000	311.0	0.000
P-4:J-1	0.000	311.0	0.000
P-4:PMP-1	0.000	311.0	0.000

\*\* Snapshot for selected end points at time 30.000 s \*\*

End Point -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
P-28:J-3	0.294	308.5	0.000
P-28:HT-1	0.294	309.5	0.000
P-11:J-5	0.362	306.9	0.000
P-10:J-4	0.356	307.5	0.000
P-9:J-4	0.356	307.5	0.000
P-9:J-3	0.352	308.5	0.000
P-8:J-3	0.057	308.5	0.000
P-7:J-1	0.004	309.5	0.000
P-6:J-1	0.001	309.5	0.000
P-4:J-1	0.001	309.5	0.000
P-4:PMP-1	0.000	309.5	0.000



\*\*\* Time Histories \*\*\*

\*\* History for selected times at end point P-28:J-3\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	0.000	292.2	0.000
0.1000	0.000	292.2	0.000
0.2000	0.000	292.2	0.000
0.3000	0.000	292.2	0.000
0.4000	0.000	292.2	0.000
0.5000	0.000	292.2	0.000
0.6000	0.006	290.4	0.000
0.7000	0.066	288.0	0.000
0.8000	0.149	287.1	0.000
0.9000	0.234	286.5	0.000
1.0000	0.313	285.9	0.000
1.1000	0.384	285.3	0.000
1.2000	0.444	284.4	0.000
1.3000	0.496	283.4	0.000
1.4000	0.539	282.3	0.000
1.5000	0.575	281.1	0.000
1.6000	0.605	279.9	0.000
1.7000	0.629	278.9	0.000
1.8000	0.647	277.3	0.000
1.9000	0.676	275.0	0.000
2.0000	0.717	272.3	0.000
2.1000	0.768	270.4	0.000
2.2000	0.815	268.4	0.000
2.3000	0.863	266.4	0.000
2.4000	0.904	264.8	0.000
2.5000	0.935	263.3	0.000
2.6000	0.965	261.1	0.000
2.7000	0.994	259.5	0.000
2.8000	1.016	258.0	0.000
2.9000	1.031	256.8	0.000
3.0000	1.040	255.2	0.000
3.1000	1.055	253.2	0.000
3.2000	1.076	251.1	0.000
3.3000	1.098	250.1	0.000
3.4000	1.063	254.1	0.000
3.5000	0.986	254.1	0.000
3.6000	0.916	253.7	0.000
3.7000	0.854	253.4	0.000
3.8000	0.793	253.3	0.000
3.9000	0.735	253.0	0.000
4.0000	0.681	252.7	0.000
4.1000	0.631	252.5	0.000
4.2000	0.580	252.7	0.000

4.3000	0.522	253.0	0.000
4.4000	0.458	253.5	0.000
4.5000	0.383	253.1	0.000
4.6000	0.345	251.2	0.000
4.7000	0.319	251.3	0.000
4.8000	0.290	251.0	0.000
4.9000	0.268	250.6	0.000
5.0000	0.243	250.7	0.000
5.1000	0.218	250.6	0.000
5.2000	0.193	250.5	0.000
5.3000	0.162	250.8	0.000
5.4000	0.131	250.5	0.000
5.5000	0.107	249.9	0.000
5.6000	0.096	249.4	0.000
5.7000	0.071	251.3	0.000
5.8000	0.009	252.9	0.000
5.9000	-0.070	253.2	0.000
6.0000	-0.142	253.0	0.000
6.1000	-0.203	251.8	0.000
6.2000	-0.239	252.5	0.000
6.3000	-0.277	253.1	0.000
6.4000	-0.315	253.7	0.000
6.5000	-0.346	254.1	0.000
6.6000	-0.377	255.0	0.000
6.7000	-0.411	256.1	0.000
6.8000	-0.445	256.7	0.000
6.9000	-0.462	256.2	0.000
7.0000	-0.460	256.0	0.000
7.1000	-0.451	255.9	0.000
7.2000	-0.428	255.1	0.000
7.3000	-0.432	258.7	0.000
7.4000	-0.462	259.8	0.000
7.5000	-0.497	261.0	0.000
7.6000	-0.527	262.0	0.000
7.7000	-0.557	263.2	0.000
7.8000	-0.584	264.1	0.000
7.9000	-0.604	264.9	0.000
8.0000	-0.625	266.6	0.000
8.1000	-0.659	268.9	0.000
8.2000	-0.701	270.9	0.000
8.3000	-0.744	273.4	0.000
8.4000	-0.798	275.3	0.000
8.5000	-0.816	275.5	0.000
8.6000	-0.834	277.9	0.000
8.7000	-0.859	280.0	0.000
8.8000	-0.883	281.5	0.000
8.9000	-0.894	282.5	0.000
9.0000	-0.899	283.8	0.000
9.1000	-0.902	285.0	0.000
9.2000	-0.901	286.1	0.000
9.3000	-0.893	286.8	0.000
9.4000	-0.880	287.4	0.000
9.5000	-0.850	286.6	0.000

9.6000	-0.822	288.6	0.000
9.7000	-0.818	290.5	0.000
9.8000	-0.820	292.1	0.000
9.9000	-0.813	292.7	0.000
10.000	-0.800	293.3	0.000
10.100	-0.790	295.4	0.000
10.200	-0.787	297.2	0.000
10.300	-0.789	299.0	0.000
10.400	-0.789	300.7	0.000
10.500	-0.789	302.4	0.000
10.600	-0.793	305.0	0.000
10.700	-0.807	307.4	0.000
10.800	-0.805	308.1	0.000
10.900	-0.789	309.5	0.000
11.000	-0.772	311.0	0.000
11.100	-0.747	311.6	0.000
11.200	-0.723	313.6	0.000
11.300	-0.694	314.5	0.000
11.400	-0.669	316.0	0.000
11.500	-0.645	317.6	0.000
11.600	-0.621	318.9	0.000
11.700	-0.590	319.8	0.000
11.800	-0.545	319.8	0.000
11.900	-0.492	320.8	0.000
12.000	-0.450	322.3	0.000
12.100	-0.414	323.4	0.000
12.200	-0.376	324.4	0.000
12.300	-0.350	325.7	0.000
12.400	-0.311	325.9	0.000
12.500	-0.275	327.4	0.000
12.600	-0.244	328.4	0.000
12.700	-0.217	328.9	0.000
12.800	-0.184	329.4	0.000
12.900	-0.158	330.6	0.000
13.000	-0.147	331.9	0.000
13.100	-0.141	332.3	0.000
13.200	-0.127	332.4	0.000
13.300	-0.114	333.5	0.000
13.400	-0.096	332.6	0.000
13.500	-0.064	333.2	0.000
13.600	-0.038	333.2	0.000
13.700	-0.013	333.6	0.000
13.800	0.015	333.0	0.000
13.900	0.052	332.3	0.000
14.000	0.093	331.7	0.000
14.100	0.145	330.7	0.000
14.200	0.198	330.0	0.000
14.300	0.242	329.5	0.000
14.400	0.280	328.0	0.000
14.500	0.321	326.8	0.000
14.600	0.346	326.1	0.000
14.700	0.370	324.0	0.000
14.800	0.397	322.5	0.000

14.900	0.423	320.9	0.000
15.000	0.441	319.3	0.000
15.100	0.449	318.0	0.000
15.200	0.462	316.1	0.000
15.300	0.467	314.5	0.000
15.400	0.469	313.1	0.000
15.500	0.472	311.3	0.000
15.600	0.473	310.0	0.000
15.700	0.478	307.5	0.000
15.800	0.495	305.8	0.000
15.900	0.506	304.4	0.000
16.000	0.512	303.1	0.000
16.100	0.520	301.2	0.000
16.200	0.528	299.2	0.000
16.300	0.550	297.1	0.000
16.400	0.573	295.5	0.000
16.500	0.595	294.0	0.000
16.600	0.612	292.0	0.000
16.700	0.636	289.8	0.000
16.800	0.667	287.7	0.000
16.900	0.686	286.9	0.000
17.000	0.693	285.4	0.000
17.100	0.700	283.7	0.000
17.200	0.704	282.8	0.000
17.300	0.701	281.0	0.000
17.400	0.697	280.3	0.000
17.500	0.683	278.9	0.000
17.600	0.669	278.4	0.000
17.700	0.652	277.0	0.000
17.800	0.632	276.5	0.000
17.900	0.601	275.9	0.000
18.000	0.577	274.5	0.000
18.100	0.565	273.2	0.000
18.200	0.549	273.0	0.000
18.300	0.524	272.5	0.000
18.400	0.506	271.5	0.000
18.500	0.482	271.3	0.000
18.600	0.462	270.2	0.000
18.700	0.444	269.9	0.000
18.800	0.429	269.2	0.000
18.900	0.410	268.8	0.000
19.000	0.391	267.9	0.000
19.100	0.384	267.2	0.000
19.200	0.371	267.2	0.000
19.300	0.346	267.3	0.000
19.400	0.326	266.3	0.000
19.500	0.311	266.2	0.000
19.600	0.296	265.2	0.000
19.700	0.291	264.9	0.000
19.800	0.277	264.9	0.000
19.900	0.260	265.3	0.000
20.000	0.235	264.9	0.000
20.100	0.206	264.9	0.000

20.200	0.175	265.0	0.000
20.300	0.144	264.6	0.000
20.400	0.120	264.4	0.000
20.500	0.094	264.6	0.000
20.600	0.058	265.0	0.000
20.700	0.027	264.4	0.000
20.800	-0.006	264.8	0.000
20.900	-0.040	264.6	0.000
21.000	-0.072	264.7	0.000
21.100	-0.100	264.9	0.000
21.200	-0.125	264.6	0.000
21.300	-0.146	265.1	0.000
21.400	-0.168	265.2	0.000
21.500	-0.191	266.1	0.000
21.600	-0.213	266.0	0.000
21.700	-0.232	266.5	0.000
21.800	-0.253	267.1	0.000
21.900	-0.274	267.4	0.000
22.000	-0.283	267.5	0.000
22.100	-0.293	268.3	0.000
22.200	-0.309	269.2	0.000
22.300	-0.324	269.4	0.000
22.400	-0.337	270.3	0.000
22.500	-0.347	270.4	0.000
22.600	-0.356	271.3	0.000
22.700	-0.361	271.9	0.000
22.800	-0.375	273.1	0.000
22.900	-0.395	273.9	0.000
23.000	-0.406	274.3	0.000
23.100	-0.416	275.3	0.000
23.200	-0.436	276.7	0.000
23.300	-0.455	277.5	0.000
23.400	-0.472	278.8	0.000
23.500	-0.490	279.5	0.000
23.600	-0.498	280.4	0.000
23.700	-0.511	281.5	0.000
23.800	-0.522	283.0	0.000
23.900	-0.533	283.7	0.000
24.000	-0.538	284.4	0.000
24.100	-0.545	286.1	0.000
24.200	-0.557	287.4	0.000
24.300	-0.562	288.0	0.000
24.400	-0.555	288.9	0.000
24.500	-0.557	290.5	0.000
24.600	-0.557	291.3	0.000
24.700	-0.559	292.8	0.000
24.800	-0.558	293.5	0.000
24.900	-0.555	294.9	0.000
25.000	-0.550	295.8	0.000
25.100	-0.544	296.9	0.000
25.200	-0.536	297.9	0.000
25.300	-0.520	298.1	0.000
25.400	-0.502	299.5	0.000

25.500	-0.488	300.7	0.000
25.600	-0.479	301.8	0.000
25.700	-0.467	302.8	0.000
25.800	-0.457	303.6	0.000
25.900	-0.437	304.4	0.000
26.000	-0.421	305.4	0.000
26.100	-0.406	306.7	0.000
26.200	-0.396	307.6	0.000
26.300	-0.385	308.6	0.000
26.400	-0.373	309.6	0.000
26.500	-0.364	310.8	0.000
26.600	-0.347	311.3	0.000
26.700	-0.326	311.9	0.000
26.800	-0.311	313.1	0.000
26.900	-0.294	313.8	0.000
27.000	-0.277	314.6	0.000
27.100	-0.263	315.2	0.000
27.200	-0.243	315.7	0.000
27.300	-0.221	316.4	0.000
27.400	-0.204	317.1	0.000
27.500	-0.180	317.3	0.000
27.600	-0.156	317.5	0.000
27.700	-0.129	318.5	0.000
27.800	-0.112	318.9	0.000
27.900	-0.090	318.6	0.000
28.000	-0.061	318.7	0.000
28.100	-0.035	319.1	0.000
28.200	-0.009	319.0	0.000
28.300	0.025	318.8	0.000
28.400	0.051	319.1	0.000
28.500	0.075	318.7	0.000
28.600	0.096	318.8	0.000
28.700	0.115	318.1	0.000
28.800	0.132	317.9	0.000
28.900	0.151	317.1	0.000
29.000	0.168	316.8	0.000
29.100	0.175	316.7	0.000
29.200	0.183	315.5	0.000
29.300	0.196	314.9	0.000
29.400	0.210	314.3	0.000
29.500	0.220	313.3	0.000
29.600	0.234	312.5	0.000
29.700	0.242	311.7	0.000
29.800	0.258	310.7	0.000
29.900	0.273	309.4	0.000
30.000	0.294	308.5	0.000

\*\* History for selected times at end point P-28:HT-1\*\*

Time (s)	Flow (cms)	Head (m)	Volume (m3)
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0.0000	0.000	292.2	0.000
0.1000	0.000	292.2	0.000
0.2000	0.000	292.2	0.000
0.3000	0.000	292.2	0.000
0.4000	0.000	292.2	0.000
0.5000	0.000	292.2	0.000
0.6000	0.007	292.2	0.000
0.7000	0.066	292.1	0.000
0.8000	0.149	291.7	0.000
0.9000	0.234	291.0	0.000
1.0000	0.313	290.0	0.000
1.1000	0.384	288.8	0.000
1.2000	0.444	287.4	0.000
1.3000	0.495	286.0	0.000
1.4000	0.539	284.5	0.000
1.5000	0.575	283.0	0.000
1.6000	0.605	281.4	0.000
1.7000	0.629	279.9	0.000
1.8000	0.647	278.5	0.000
1.9000	0.676	276.9	0.000
2.0000	0.716	275.1	0.000
2.1000	0.768	273.1	0.000
2.2000	0.814	271.1	0.000
2.3000	0.863	269.0	0.000
2.4000	0.904	266.9	0.000
2.5000	0.934	265.0	0.000
2.6000	0.965	263.0	0.000
2.7000	0.993	261.1	0.000
2.8000	1.016	259.2	0.000
2.9000	1.031	257.6	0.000
3.0000	1.040	256.0	0.000
3.1000	1.054	254.4	0.000
3.2000	1.075	252.7	0.000
3.3000	1.098	250.9	0.000
3.4000	1.063	250.2	0.000
3.5000	0.986	250.3	0.000
3.6000	0.916	250.4	0.000
3.7000	0.854	250.3	0.000
3.8000	0.793	250.2	0.000
3.9000	0.735	250.2	0.000
4.0000	0.681	250.1	0.000
4.1000	0.631	249.9	0.000
4.2000	0.580	249.9	0.000
4.3000	0.522	249.8	0.000
4.4000	0.458	249.9	0.000
4.5000	0.383	250.0	0.000
4.6000	0.345	249.9	0.000
4.7000	0.319	249.7	0.000
4.8000	0.290	249.6	0.000
4.9000	0.268	249.5	0.000
5.0000	0.243	249.3	0.000
5.1000	0.218	249.2	0.000
5.2000	0.193	249.1	0.000

5.3000	0.162	249.1	0.000
5.4000	0.131	249.0	0.000
5.5000	0.107	249.0	0.000
5.6000	0.096	248.9	0.000
5.7000	0.071	248.8	0.000
5.8000	0.009	248.8	0.000
5.9000	-0.070	249.0	0.000
6.0000	-0.142	249.4	0.000
6.1000	-0.203	249.9	0.000
6.2000	-0.239	250.5	0.000
6.3000	-0.277	251.1	0.000
6.4000	-0.315	251.8	0.000
6.5000	-0.346	252.5	0.000
6.6000	-0.376	253.3	0.000
6.7000	-0.411	254.2	0.000
6.8000	-0.445	255.1	0.000
6.9000	-0.462	255.9	0.000
7.0000	-0.460	256.3	0.000
7.1000	-0.451	256.5	0.000
7.2000	-0.428	256.6	0.000
7.3000	-0.431	257.0	0.000
7.4000	-0.462	258.0	0.000
7.5000	-0.497	259.2	0.000
7.6000	-0.527	260.3	0.000
7.7000	-0.557	261.5	0.000
7.8000	-0.583	262.7	0.000
7.9000	-0.604	263.9	0.000
8.0000	-0.625	265.1	0.000
8.1000	-0.659	266.6	0.000
8.2000	-0.701	268.6	0.000
8.3000	-0.744	270.7	0.000
8.4000	-0.797	273.2	0.000
8.5000	-0.816	274.8	0.000
8.6000	-0.834	276.4	0.000
8.7000	-0.858	278.4	0.000
8.8000	-0.882	280.4	0.000
8.9000	-0.893	282.0	0.000
9.0000	-0.899	283.4	0.000
9.1000	-0.901	284.8	0.000
9.2000	-0.901	286.1	0.000
9.3000	-0.892	287.2	0.000
9.4000	-0.880	288.2	0.000
9.5000	-0.850	288.5	0.000
9.6000	-0.821	289.0	0.000
9.7000	-0.818	290.3	0.000
9.8000	-0.820	291.9	0.000
9.9000	-0.812	293.1	0.000
10.000	-0.800	294.3	0.000
10.100	-0.790	295.5	0.000
10.200	-0.786	297.0	0.000
10.300	-0.789	298.8	0.000
10.400	-0.789	300.5	0.000
10.500	-0.789	302.3	0.000



10.600	-0.793	304.3	0.000
10.700	-0.806	306.7	0.000
10.800	-0.805	308.6	0.000
10.900	-0.789	310.2	0.000
11.000	-0.772	311.8	0.000
11.100	-0.747	313.2	0.000
11.200	-0.723	314.6	0.000
11.300	-0.694	315.9	0.000
11.400	-0.668	317.3	0.000
11.500	-0.644	318.8	0.000
11.600	-0.621	320.3	0.000
11.700	-0.590	321.6	0.000
11.800	-0.545	322.6	0.000
11.900	-0.492	323.4	0.000
12.000	-0.449	324.3	0.000
12.100	-0.414	325.3	0.000
12.200	-0.375	326.3	0.000
12.300	-0.350	327.3	0.000
12.400	-0.310	328.2	0.000
12.500	-0.274	329.0	0.000
12.600	-0.244	329.7	0.000
12.700	-0.217	330.5	0.000
12.800	-0.184	331.1	0.000
12.900	-0.158	331.6	0.000
13.000	-0.146	332.2	0.000
13.100	-0.141	332.8	0.000
13.200	-0.127	333.4	0.000
13.300	-0.114	333.8	0.000
13.400	-0.096	334.2	0.000
13.500	-0.064	334.5	0.000
13.600	-0.038	334.7	0.000
13.700	-0.012	334.8	0.000
13.800	0.015	334.8	0.000
13.900	0.052	334.6	0.000
14.000	0.093	334.2	0.000
14.100	0.145	333.6	0.000
14.200	0.197	332.7	0.000
14.300	0.242	331.5	0.000
14.400	0.279	330.2	0.000
14.500	0.320	328.7	0.000
14.600	0.346	327.2	0.000
14.700	0.369	325.5	0.000
14.800	0.396	323.8	0.000
14.900	0.423	322.0	0.000
15.000	0.441	320.2	0.000
15.100	0.449	318.4	0.000
15.200	0.462	316.6	0.000
15.300	0.467	314.9	0.000
15.400	0.469	313.2	0.000
15.500	0.471	311.6	0.000
15.600	0.472	309.9	0.000
15.700	0.478	308.3	0.000
15.800	0.495	306.6	0.000

15.900	0.506	305.0	0.000
16.000	0.512	303.4	0.000
16.100	0.520	301.8	0.000
16.200	0.528	300.2	0.000
16.300	0.549	298.5	0.000
16.400	0.572	296.7	0.000
16.500	0.594	294.9	0.000
16.600	0.611	293.2	0.000
16.700	0.636	291.3	0.000
16.800	0.667	289.4	0.000
16.900	0.686	287.5	0.000
17.000	0.693	285.9	0.000
17.100	0.700	284.2	0.000
17.200	0.704	282.6	0.000
17.300	0.700	281.2	0.000
17.400	0.696	279.7	0.000
17.500	0.683	278.5	0.000
17.600	0.669	277.3	0.000
17.700	0.652	276.2	0.000
17.800	0.632	275.3	0.000
17.900	0.601	274.4	0.000
18.000	0.577	273.6	0.000
18.100	0.565	272.7	0.000
18.200	0.549	271.9	0.000
18.300	0.524	271.3	0.000
18.400	0.506	270.6	0.000
18.500	0.482	270.0	0.000
18.600	0.462	269.4	0.000
18.700	0.444	268.8	0.000
18.800	0.429	268.2	0.000
18.900	0.410	267.7	0.000
19.000	0.390	267.3	0.000
19.100	0.384	266.7	0.000
19.200	0.371	266.3	0.000
19.300	0.346	265.9	0.000
19.400	0.326	265.5	0.000
19.500	0.311	265.2	0.000
19.600	0.296	264.8	0.000
19.700	0.291	264.5	0.000
19.800	0.277	264.1	0.000
19.900	0.260	263.9	0.000
20.000	0.235	263.6	0.000
20.100	0.206	263.4	0.000
20.200	0.175	263.3	0.000
20.300	0.144	263.2	0.000
20.400	0.120	263.0	0.000
20.500	0.094	262.9	0.000
20.600	0.058	262.9	0.000
20.700	0.027	262.9	0.000
20.800	-0.006	262.9	0.000
20.900	-0.040	262.9	0.000
21.000	-0.072	263.1	0.000
21.100	-0.100	263.3	0.000

21.200	-0.125	263.5	0.000
21.300	-0.146	263.8	0.000
21.400	-0.168	264.2	0.000
21.500	-0.191	264.6	0.000
21.600	-0.213	265.0	0.000
21.700	-0.232	265.5	0.000
21.800	-0.253	266.0	0.000
21.900	-0.274	266.6	0.000
22.000	-0.283	267.1	0.000
22.100	-0.293	267.6	0.000
22.200	-0.309	268.2	0.000
22.300	-0.324	268.8	0.000
22.400	-0.337	269.5	0.000
22.500	-0.347	270.1	0.000
22.600	-0.356	270.7	0.000
22.700	-0.361	271.3	0.000
22.800	-0.374	272.1	0.000
22.900	-0.395	273.0	0.000
23.000	-0.406	273.7	0.000
23.100	-0.416	274.6	0.000
23.200	-0.436	275.6	0.000
23.300	-0.455	276.6	0.000
23.400	-0.472	277.7	0.000
23.500	-0.490	278.8	0.000
23.600	-0.498	279.8	0.000
23.700	-0.511	281.0	0.000
23.800	-0.521	282.1	0.000
23.900	-0.533	283.3	0.000
24.000	-0.538	284.4	0.000
24.100	-0.545	285.5	0.000
24.200	-0.557	286.8	0.000
24.300	-0.562	288.0	0.000
24.400	-0.555	289.0	0.000
24.500	-0.556	290.1	0.000
24.600	-0.557	291.3	0.000
24.700	-0.559	292.6	0.000
24.800	-0.557	293.7	0.000
24.900	-0.555	294.9	0.000
25.000	-0.550	296.1	0.000
25.100	-0.544	297.2	0.000
25.200	-0.536	298.3	0.000
25.300	-0.520	299.3	0.000
25.400	-0.501	300.2	0.000
25.500	-0.488	301.2	0.000
25.600	-0.479	302.3	0.000
25.700	-0.467	303.3	0.000
25.800	-0.457	304.4	0.000
25.900	-0.437	305.3	0.000
26.000	-0.421	306.2	0.000
26.100	-0.406	307.2	0.000
26.200	-0.396	308.2	0.000
26.300	-0.384	309.2	0.000
26.400	-0.372	310.2	0.000

26.500	-0.364	311.3	0.000
26.600	-0.347	312.2	0.000
26.700	-0.326	313.0	0.000
26.800	-0.311	313.8	0.000
26.900	-0.294	314.6	0.000
27.000	-0.277	315.4	0.000
27.100	-0.263	316.2	0.000
27.200	-0.243	316.9	0.000
27.300	-0.221	317.5	0.000
27.400	-0.204	318.1	0.000
27.500	-0.180	318.7	0.000
27.600	-0.156	319.1	0.000
27.700	-0.129	319.5	0.000
27.800	-0.112	319.9	0.000
27.900	-0.090	320.1	0.000
28.000	-0.061	320.3	0.000
28.100	-0.035	320.5	0.000
28.200	-0.009	320.5	0.000
28.300	0.025	320.5	0.000
28.400	0.051	320.3	0.000
28.500	0.075	320.1	0.000
28.600	0.096	319.7	0.000
28.700	0.115	319.3	0.000
28.800	0.132	318.8	0.000
28.900	0.151	318.2	0.000
29.000	0.168	317.6	0.000
29.100	0.175	317.0	0.000
29.200	0.183	316.3	0.000
29.300	0.196	315.6	0.000
29.400	0.210	314.8	0.000
29.500	0.220	314.0	0.000
29.600	0.233	313.2	0.000
29.700	0.242	312.3	0.000
29.800	0.258	311.4	0.000
29.900	0.273	310.5	0.000
30.000	0.294	309.5	0.000

\*\* History for selected times at end point P-11:J-5\*\*

Time (s)	Flow (cms)	Head (m)	Volume (m3)
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0.0000	1.521	292.1	0.000
0.1000	1.521	292.1	0.000
0.2000	1.521	292.1	0.000
0.3000	1.521	292.1	0.000
0.4000	1.521	292.1	0.000
0.5000	1.521	292.1	0.000
0.6000	1.521	292.1	0.000
0.7000	1.493	290.1	0.000
0.8000	1.465	288.2	0.000
0.9000	1.450	287.1	0.000

1.0000	1.440	286.5	0.000
1.1000	1.431	285.9	0.000
1.2000	1.421	285.2	0.000
1.3000	1.409	284.3	0.000
1.4000	1.395	283.3	0.000
1.5000	1.379	282.3	0.000
1.6000	1.362	281.1	0.000
1.7000	1.345	279.8	0.000
1.8000	1.330	278.8	0.000
1.9000	1.305	277.1	0.000
2.0000	1.276	275.1	0.000
2.1000	1.238	272.5	0.000
2.2000	1.210	270.5	0.000
2.3000	1.180	268.4	0.000
2.4000	1.152	266.5	0.000
2.5000	1.130	264.9	0.000
2.6000	1.105	263.2	0.000
2.7000	1.077	261.3	0.000
2.8000	1.053	259.6	0.000
2.9000	1.032	258.1	0.000
3.0000	1.014	256.8	0.000
3.1000	0.990	255.2	0.000
3.2000	0.963	253.2	0.000
3.3000	0.898	254.3	0.000
3.4000	0.854	254.3	0.000
3.5000	0.855	256.0	0.000
3.6000	0.831	255.6	0.000
3.7000	0.805	255.0	0.000
3.8000	0.783	254.9	0.000
3.9000	0.759	255.0	0.000
4.0000	0.731	255.0	0.000
4.1000	0.698	255.0	0.000
4.2000	0.664	254.9	0.000
4.3000	0.634	255.2	0.000
4.4000	0.606	255.4	0.000
4.5000	0.572	257.1	0.000
4.6000	0.509	257.2	0.000
4.7000	0.432	256.5	0.000
4.8000	0.369	255.7	0.000
4.9000	0.301	255.3	0.000
5.0000	0.244	254.8	0.000
5.1000	0.192	254.2	0.000
5.2000	0.138	254.2	0.000
5.3000	0.092	254.6	0.000
5.4000	0.043	254.4	0.000
5.5000	-0.006	253.8	0.000
5.6000	-0.057	252.8	0.000
5.7000	-0.105	253.1	0.000
5.8000	-0.130	255.3	0.000
5.9000	-0.155	256.2	0.000
6.0000	-0.182	254.8	0.000
6.1000	-0.210	253.6	0.000
6.2000	-0.235	254.1	0.000

6.3000	-0.255	254.8	0.000
6.4000	-0.273	254.9	0.000
6.5000	-0.292	255.4	0.000
6.6000	-0.310	256.1	0.000
6.7000	-0.327	257.3	0.000
6.8000	-0.342	258.5	0.000
6.9000	-0.365	258.6	0.000
7.0000	-0.396	258.0	0.000
7.1000	-0.412	257.1	0.000
7.2000	-0.473	259.6	0.000
7.3000	-0.523	261.5	0.000
7.4000	-0.565	263.9	0.000
7.5000	-0.615	265.1	0.000
7.6000	-0.669	265.8	0.000
7.7000	-0.716	266.6	0.000
7.8000	-0.756	267.0	0.000
7.9000	-0.794	267.4	0.000
8.0000	-0.830	268.7	0.000
8.1000	-0.859	270.8	0.000
8.2000	-0.887	273.4	0.000
8.3000	-0.898	273.8	0.000
8.4000	-0.890	274.1	0.000
8.5000	-0.891	276.0	0.000
8.6000	-0.900	278.5	0.000
8.7000	-0.906	280.8	0.000
8.8000	-0.904	281.4	0.000
8.9000	-0.905	282.2	0.000
9.0000	-0.900	283.5	0.000
9.1000	-0.896	284.7	0.000
9.2000	-0.886	285.6	0.000
9.3000	-0.877	286.0	0.000
9.4000	-0.870	286.8	0.000
9.5000	-0.875	288.6	0.000
9.6000	-0.901	289.3	0.000
9.7000	-0.910	291.1	0.000
9.8000	-0.901	291.8	0.000
9.9000	-0.905	292.9	0.000
10.000	-0.916	294.1	0.000
10.100	-0.923	295.9	0.000
10.200	-0.933	298.2	0.000
10.300	-0.942	299.8	0.000
10.400	-0.953	301.4	0.000
10.500	-0.959	302.9	0.000
10.600	-0.955	303.8	0.000
10.700	-0.929	305.1	0.000
10.800	-0.900	306.6	0.000
10.900	-0.887	308.2	0.000
11.000	-0.845	308.4	0.000
11.100	-0.824	309.1	0.000
11.200	-0.782	309.6	0.000
11.300	-0.741	311.3	0.000
11.400	-0.702	313.5	0.000
11.500	-0.664	315.0	0.000

11.600	-0.625	316.0	0.000
11.700	-0.587	317.2	0.000
11.800	-0.555	318.0	0.000
11.900	-0.533	318.6	0.000
12.000	-0.497	319.4	0.000
12.100	-0.470	321.2	0.000
12.200	-0.441	323.6	0.000
12.300	-0.415	323.9	0.000
12.400	-0.395	324.2	0.000
12.500	-0.370	325.2	0.000
12.600	-0.346	326.4	0.000
12.700	-0.313	326.9	0.000
12.800	-0.289	327.1	0.000
12.900	-0.262	328.2	0.000
13.000	-0.229	329.6	0.000
13.100	-0.198	330.7	0.000
13.200	-0.173	330.8	0.000
13.300	-0.137	329.6	0.000
13.400	-0.092	329.8	0.000
13.500	-0.054	329.7	0.000
13.600	-0.015	330.3	0.000
13.700	0.039	330.3	0.000
13.800	0.084	329.5	0.000
13.900	0.128	328.7	0.000
14.000	0.184	327.7	0.000
14.100	0.232	327.1	0.000
14.200	0.278	326.7	0.000
14.300	0.322	326.0	0.000
14.400	0.358	326.2	0.000
14.500	0.383	325.4	0.000
14.600	0.409	323.7	0.000
14.700	0.445	321.8	0.000
14.800	0.464	320.2	0.000
14.900	0.492	319.6	0.000
15.000	0.500	318.7	0.000
15.100	0.516	316.7	0.000
15.200	0.528	314.6	0.000
15.300	0.542	313.5	0.000
15.400	0.558	312.4	0.000
15.500	0.573	310.2	0.000
15.600	0.592	307.7	0.000
15.700	0.613	306.6	0.000
15.800	0.617	305.4	0.000
15.900	0.626	304.2	0.000
16.000	0.635	301.7	0.000
16.100	0.654	300.4	0.000
16.200	0.674	298.0	0.000
16.300	0.685	296.0	0.000
16.400	0.698	294.6	0.000
16.500	0.709	292.8	0.000
16.600	0.726	291.0	0.000
16.700	0.738	289.0	0.000
16.800	0.744	286.9	0.000

16.900	0.756	285.3	0.000
17.000	0.775	284.4	0.000
17.100	0.773	284.3	0.000
17.200	0.769	283.3	0.000
17.300	0.756	282.4	0.000
17.400	0.740	281.1	0.000
17.500	0.728	279.8	0.000
17.600	0.722	279.2	0.000
17.700	0.702	278.7	0.000
17.800	0.675	278.3	0.000
17.900	0.660	277.3	0.000
18.000	0.641	276.1	0.000
18.100	0.610	275.6	0.000
18.200	0.587	274.4	0.000
18.300	0.571	273.3	0.000
18.400	0.554	273.1	0.000
18.500	0.534	272.4	0.000
18.600	0.513	272.6	0.000
18.700	0.483	271.2	0.000
18.800	0.468	270.5	0.000
18.900	0.444	270.3	0.000
19.000	0.428	269.4	0.000
19.100	0.403	268.6	0.000
19.200	0.383	268.2	0.000
19.300	0.369	268.6	0.000
19.400	0.348	268.8	0.000
19.500	0.326	267.2	0.000
19.600	0.311	266.1	0.000
19.700	0.297	265.4	0.000
19.800	0.281	266.3	0.000
19.900	0.259	266.9	0.000
20.000	0.239	267.3	0.000
20.100	0.209	267.5	0.000
20.200	0.180	266.8	0.000
20.300	0.155	266.9	0.000
20.400	0.123	266.7	0.000
20.500	0.089	266.7	0.000
20.600	0.063	267.2	0.000
20.700	0.028	267.5	0.000
20.800	-0.012	267.4	0.000
20.900	-0.042	267.1	0.000
21.000	-0.075	266.6	0.000
21.100	-0.097	266.5	0.000
21.200	-0.125	266.7	0.000
21.300	-0.158	267.5	0.000
21.400	-0.187	267.7	0.000
21.500	-0.207	267.3	0.000
21.600	-0.231	267.8	0.000
21.700	-0.258	268.7	0.000
21.800	-0.279	268.6	0.000
21.900	-0.290	268.2	0.000
22.000	-0.313	268.8	0.000
22.100	-0.333	270.3	0.000



22.200	-0.353	270.6	0.000
22.300	-0.371	270.9	0.000
22.400	-0.378	270.0	0.000
22.500	-0.389	271.0	0.000
22.600	-0.397	271.9	0.000
22.700	-0.408	273.1	0.000
22.800	-0.426	274.1	0.000
22.900	-0.435	275.0	0.000
23.000	-0.457	275.9	0.000
23.100	-0.479	276.8	0.000
23.200	-0.489	277.3	0.000
23.300	-0.505	278.9	0.000
23.400	-0.520	280.2	0.000
23.500	-0.543	281.4	0.000
23.600	-0.564	282.1	0.000
23.700	-0.586	282.6	0.000
23.800	-0.598	283.3	0.000
23.900	-0.596	284.4	0.000
24.000	-0.614	285.9	0.000
24.100	-0.622	286.6	0.000
24.200	-0.623	287.5	0.000
24.300	-0.625	288.4	0.000
24.400	-0.635	289.2	0.000
24.500	-0.634	290.2	0.000
24.600	-0.628	291.1	0.000
24.700	-0.623	291.7	0.000
24.800	-0.614	293.5	0.000
24.900	-0.613	294.6	0.000
25.000	-0.609	295.8	0.000
25.100	-0.597	295.7	0.000
25.200	-0.585	296.4	0.000
25.300	-0.573	297.6	0.000
25.400	-0.555	298.3	0.000
25.500	-0.541	299.3	0.000
25.600	-0.526	301.1	0.000
25.700	-0.520	302.4	0.000
25.800	-0.506	303.1	0.000
25.900	-0.497	303.0	0.000
26.000	-0.482	304.1	0.000
26.100	-0.466	305.5	0.000
26.200	-0.459	307.4	0.000
26.300	-0.446	308.2	0.000
26.400	-0.442	308.6	0.000
26.500	-0.430	309.2	0.000
26.600	-0.406	310.0	0.000
26.700	-0.392	310.7	0.000
26.800	-0.368	311.2	0.000
26.900	-0.347	312.0	0.000
27.000	-0.329	313.3	0.000
27.100	-0.302	313.8	0.000
27.200	-0.285	314.0	0.000
27.300	-0.256	314.4	0.000
27.400	-0.227	314.4	0.000

27.500	-0.195	315.3	0.000
27.600	-0.170	316.0	0.000
27.700	-0.151	316.4	0.000
27.800	-0.112	316.7	0.000
27.900	-0.092	316.9	0.000
28.000	-0.065	317.0	0.000
28.100	-0.034	316.8	0.000
28.200	0.000	316.3	0.000
28.300	0.027	316.6	0.000
28.400	0.056	317.1	0.000
28.500	0.078	318.0	0.000
28.600	0.099	316.9	0.000
28.700	0.124	316.2	0.000
28.800	0.152	315.6	0.000
28.900	0.170	316.0	0.000
29.000	0.190	316.0	0.000
29.100	0.204	315.2	0.000
29.200	0.219	314.5	0.000
29.300	0.238	314.0	0.000
29.400	0.252	312.7	0.000
29.500	0.274	311.8	0.000
29.600	0.294	310.7	0.000
29.700	0.315	310.5	0.000
29.800	0.334	309.7	0.000
29.900	0.347	308.4	0.000
30.000	0.362	306.9	0.000

\*\* History for selected times at end point P-10:J-4\*\*

Time (s) ----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	1.521	292.1	0.000
0.1000	1.521	292.1	0.000
0.2000	1.521	292.1	0.000
0.3000	1.521	292.1	0.000
0.4000	1.521	292.1	0.000
0.5000	1.521	292.1	0.000
0.6000	1.521	292.1	0.000
0.7000	1.483	289.5	0.000
0.8000	1.459	287.8	0.000
0.9000	1.446	286.9	0.000
1.0000	1.437	286.3	0.000
1.1000	1.428	285.7	0.000
1.2000	1.418	284.9	0.000
1.3000	1.405	284.1	0.000
1.4000	1.390	283.1	0.000
1.5000	1.374	281.9	0.000
1.6000	1.357	280.7	0.000
1.7000	1.340	279.5	0.000
1.8000	1.324	278.4	0.000
1.9000	1.295	276.5	0.000

2.0000	1.264	274.3	0.000
2.1000	1.229	271.8	0.000
2.2000	1.203	270.0	0.000
2.3000	1.171	267.8	0.000
2.4000	1.145	266.0	0.000
2.5000	1.123	264.5	0.000
2.6000	1.096	262.6	0.000
2.7000	1.070	260.8	0.000
2.8000	1.046	259.1	0.000
2.9000	1.026	257.7	0.000
3.0000	1.008	256.4	0.000
3.1000	0.982	254.6	0.000
3.2000	0.954	252.7	0.000
3.3000	0.902	253.3	0.000
3.4000	0.868	254.5	0.000
3.5000	0.853	255.5	0.000
3.6000	0.828	255.0	0.000
3.7000	0.804	254.5	0.000
3.8000	0.783	254.5	0.000
3.9000	0.759	254.4	0.000
4.0000	0.731	254.4	0.000
4.1000	0.698	254.3	0.000
4.2000	0.665	254.3	0.000
4.3000	0.635	254.6	0.000
4.4000	0.609	254.8	0.000
4.5000	0.583	256.6	0.000
4.6000	0.508	255.4	0.000
4.7000	0.431	255.2	0.000
4.8000	0.365	254.4	0.000
4.9000	0.300	254.1	0.000
5.0000	0.242	253.7	0.000
5.1000	0.190	253.2	0.000
5.2000	0.141	253.2	0.000
5.3000	0.092	253.6	0.000
5.4000	0.041	253.3	0.000
5.5000	-0.010	252.8	0.000
5.6000	-0.060	251.7	0.000
5.7000	-0.097	252.5	0.000
5.8000	-0.122	254.6	0.000
5.9000	-0.157	255.4	0.000
6.0000	-0.200	255.2	0.000
6.1000	-0.210	253.0	0.000
6.2000	-0.230	253.7	0.000
6.3000	-0.253	254.4	0.000
6.4000	-0.272	254.6	0.000
6.5000	-0.290	255.0	0.000
6.6000	-0.306	255.8	0.000
6.7000	-0.321	257.0	0.000
6.8000	-0.339	258.1	0.000
6.9000	-0.366	257.9	0.000
7.0000	-0.399	257.5	0.000
7.1000	-0.417	256.4	0.000
7.2000	-0.458	258.7	0.000

7.3000	-0.510	261.0	0.000
7.4000	-0.560	262.7	0.000
7.5000	-0.612	264.0	0.000
7.6000	-0.665	264.7	0.000
7.7000	-0.712	265.7	0.000
7.8000	-0.755	266.3	0.000
7.9000	-0.791	266.6	0.000
8.0000	-0.822	268.1	0.000
8.1000	-0.849	270.3	0.000
8.2000	-0.877	272.8	0.000
8.3000	-0.900	273.8	0.000
8.4000	-0.879	274.7	0.000
8.5000	-0.879	275.7	0.000
8.6000	-0.886	278.5	0.000
8.7000	-0.899	280.6	0.000
8.8000	-0.902	281.4	0.000
8.9000	-0.900	282.3	0.000
9.0000	-0.896	283.7	0.000
9.1000	-0.891	284.8	0.000
9.2000	-0.883	285.8	0.000
9.3000	-0.875	286.2	0.000
9.4000	-0.863	287.0	0.000
9.5000	-0.872	288.0	0.000
9.6000	-0.896	289.1	0.000
9.7000	-0.901	290.8	0.000
9.8000	-0.903	292.1	0.000
9.9000	-0.907	293.4	0.000
10.000	-0.910	293.8	0.000
10.100	-0.913	295.8	0.000
10.200	-0.925	298.0	0.000
10.300	-0.935	299.6	0.000
10.400	-0.946	301.2	0.000
10.500	-0.953	302.8	0.000
10.600	-0.950	304.1	0.000
10.700	-0.922	305.8	0.000
10.800	-0.896	307.0	0.000
10.900	-0.878	308.5	0.000
11.000	-0.853	308.9	0.000
11.100	-0.817	310.0	0.000
11.200	-0.774	310.9	0.000
11.300	-0.734	312.0	0.000
11.400	-0.692	314.2	0.000
11.500	-0.658	315.8	0.000
11.600	-0.620	316.8	0.000
11.700	-0.583	318.0	0.000
11.800	-0.553	318.4	0.000
11.900	-0.529	319.1	0.000
12.000	-0.493	320.2	0.000
12.100	-0.455	321.7	0.000
12.200	-0.438	323.9	0.000
12.300	-0.411	324.6	0.000
12.400	-0.391	324.7	0.000
12.500	-0.363	325.6	0.000

12.600	-0.340	326.9	0.000
12.700	-0.313	327.4	0.000
12.800	-0.287	327.7	0.000
12.900	-0.257	328.8	0.000
13.000	-0.224	330.3	0.000
13.100	-0.195	331.2	0.000
13.200	-0.176	331.4	0.000
13.300	-0.140	330.6	0.000
13.400	-0.092	330.5	0.000
13.500	-0.055	330.5	0.000
13.600	-0.009	331.0	0.000
13.700	0.032	331.1	0.000
13.800	0.075	330.7	0.000
13.900	0.123	329.7	0.000
14.000	0.181	328.7	0.000
14.100	0.231	328.1	0.000
14.200	0.276	327.6	0.000
14.300	0.320	326.9	0.000
14.400	0.358	326.7	0.000
14.500	0.375	325.7	0.000
14.600	0.404	324.3	0.000
14.700	0.433	322.5	0.000
14.800	0.462	320.5	0.000
14.900	0.485	319.8	0.000
15.000	0.496	319.0	0.000
15.100	0.509	317.2	0.000
15.200	0.518	315.0	0.000
15.300	0.539	313.7	0.000
15.400	0.551	312.7	0.000
15.500	0.562	310.4	0.000
15.600	0.585	308.3	0.000
15.700	0.608	306.8	0.000
15.800	0.612	305.5	0.000
15.900	0.618	304.4	0.000
16.000	0.629	301.9	0.000
16.100	0.644	300.5	0.000
16.200	0.665	298.5	0.000
16.300	0.680	296.0	0.000
16.400	0.695	294.7	0.000
16.500	0.703	293.1	0.000
16.600	0.718	291.2	0.000
16.700	0.728	289.2	0.000
16.800	0.735	287.1	0.000
16.900	0.751	285.8	0.000
17.000	0.771	284.6	0.000
17.100	0.774	284.2	0.000
17.200	0.762	283.1	0.000
17.300	0.751	281.8	0.000
17.400	0.733	280.9	0.000
17.500	0.727	279.3	0.000
17.600	0.715	278.7	0.000
17.700	0.696	278.3	0.000
17.800	0.670	278.0	0.000

17.900	0.655	276.8	0.000
18.000	0.637	275.6	0.000
18.100	0.608	274.9	0.000
18.200	0.581	274.0	0.000
18.300	0.569	273.0	0.000
18.400	0.550	272.6	0.000
18.500	0.534	272.1	0.000
18.600	0.507	272.1	0.000
18.700	0.484	270.5	0.000
18.800	0.463	269.8	0.000
18.900	0.444	269.9	0.000
19.000	0.426	269.2	0.000
19.100	0.398	268.3	0.000
19.200	0.382	267.8	0.000
19.300	0.372	268.3	0.000
19.400	0.345	268.1	0.000
19.500	0.320	266.9	0.000
19.600	0.308	265.9	0.000
19.700	0.296	265.1	0.000
19.800	0.287	266.1	0.000
19.900	0.264	266.2	0.000
20.000	0.236	266.7	0.000
20.100	0.208	266.7	0.000
20.200	0.182	266.0	0.000
20.300	0.159	266.3	0.000
20.400	0.124	266.1	0.000
20.500	0.091	265.9	0.000
20.600	0.065	266.6	0.000
20.700	0.026	266.6	0.000
20.800	-0.011	266.7	0.000
20.900	-0.045	266.4	0.000
21.000	-0.073	266.0	0.000
21.100	-0.101	266.0	0.000
21.200	-0.124	265.9	0.000
21.300	-0.155	267.2	0.000
21.400	-0.187	266.7	0.000
21.500	-0.210	266.7	0.000
21.600	-0.230	267.3	0.000
21.700	-0.258	268.1	0.000
21.800	-0.280	268.2	0.000
21.900	-0.290	267.9	0.000
22.000	-0.306	268.3	0.000
22.100	-0.329	269.9	0.000
22.200	-0.353	270.2	0.000
22.300	-0.373	270.5	0.000
22.400	-0.380	270.0	0.000
22.500	-0.382	270.9	0.000
22.600	-0.389	271.5	0.000
22.700	-0.404	272.3	0.000
22.800	-0.420	274.0	0.000
22.900	-0.430	274.8	0.000
23.000	-0.454	275.6	0.000
23.100	-0.478	276.4	0.000

23.200	-0.485	277.0	0.000
23.300	-0.497	278.5	0.000
23.400	-0.517	279.9	0.000
23.500	-0.536	281.0	0.000
23.600	-0.565	281.6	0.000
23.700	-0.577	282.4	0.000
23.800	-0.592	283.2	0.000
23.900	-0.596	284.1	0.000
24.000	-0.607	285.5	0.000
24.100	-0.617	286.4	0.000
24.200	-0.616	287.5	0.000
24.300	-0.618	288.4	0.000
24.400	-0.630	289.0	0.000
24.500	-0.629	290.3	0.000
24.600	-0.628	291.2	0.000
24.700	-0.616	291.9	0.000
24.800	-0.609	293.6	0.000
24.900	-0.606	294.7	0.000
25.000	-0.607	295.8	0.000
25.100	-0.598	296.1	0.000
25.200	-0.582	297.1	0.000
25.300	-0.568	297.7	0.000
25.400	-0.555	298.5	0.000
25.500	-0.537	299.6	0.000
25.600	-0.521	301.3	0.000
25.700	-0.515	302.5	0.000
25.800	-0.504	303.3	0.000
25.900	-0.495	303.3	0.000
26.000	-0.476	304.5	0.000
26.100	-0.462	305.8	0.000
26.200	-0.450	307.6	0.000
26.300	-0.447	308.4	0.000
26.400	-0.441	309.1	0.000
26.500	-0.420	309.4	0.000
26.600	-0.405	310.2	0.000
26.700	-0.389	311.1	0.000
26.800	-0.365	311.7	0.000
26.900	-0.344	312.6	0.000
27.000	-0.326	313.8	0.000
27.100	-0.304	314.2	0.000
27.200	-0.281	314.5	0.000
27.300	-0.257	315.1	0.000
27.400	-0.222	315.1	0.000
27.500	-0.192	315.9	0.000
27.600	-0.165	316.6	0.000
27.700	-0.146	317.1	0.000
27.800	-0.118	317.3	0.000
27.900	-0.089	317.5	0.000
28.000	-0.064	317.4	0.000
28.100	-0.033	317.4	0.000
28.200	0.003	317.1	0.000
28.300	0.030	317.2	0.000
28.400	0.059	317.6	0.000

28.500	0.077	318.3	0.000
28.600	0.095	317.3	0.000
28.700	0.122	316.8	0.000
28.800	0.151	316.3	0.000
28.900	0.173	316.4	0.000
29.000	0.184	316.3	0.000
29.100	0.199	315.9	0.000
29.200	0.217	314.9	0.000
29.300	0.231	314.0	0.000
29.400	0.246	312.9	0.000
29.500	0.270	312.3	0.000
29.600	0.290	311.2	0.000
29.700	0.317	310.8	0.000
29.800	0.327	310.0	0.000
29.900	0.341	308.7	0.000
30.000	0.356	307.5	0.000

\*\* History for selected times at end point P-9:J-4\*\*

Time (s) ----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	1.521	292.1	0.000
0.1000	1.521	292.1	0.000
0.2000	1.521	292.1	0.000
0.3000	1.521	292.1	0.000
0.4000	1.521	292.1	0.000
0.5000	1.521	292.1	0.000
0.6000	1.521	292.1	0.000
0.7000	1.483	289.5	0.000
0.8000	1.459	287.8	0.000
0.9000	1.446	286.9	0.000
1.0000	1.437	286.3	0.000
1.1000	1.428	285.7	0.000
1.2000	1.418	284.9	0.000
1.3000	1.405	284.1	0.000
1.4000	1.390	283.1	0.000
1.5000	1.374	281.9	0.000
1.6000	1.357	280.7	0.000
1.7000	1.340	279.5	0.000
1.8000	1.324	278.4	0.000
1.9000	1.295	276.5	0.000
2.0000	1.264	274.3	0.000
2.1000	1.229	271.8	0.000
2.2000	1.203	270.0	0.000
2.3000	1.171	267.8	0.000
2.4000	1.145	266.0	0.000
2.5000	1.123	264.5	0.000
2.6000	1.096	262.6	0.000
2.7000	1.070	260.8	0.000
2.8000	1.046	259.1	0.000
2.9000	1.026	257.7	0.000



3.0000	1.008	256.4	0.000
3.1000	0.982	254.6	0.000
3.2000	0.954	252.7	0.000
3.3000	0.902	253.3	0.000
3.4000	0.868	254.5	0.000
3.5000	0.853	255.5	0.000
3.6000	0.828	255.0	0.000
3.7000	0.804	254.5	0.000
3.8000	0.783	254.5	0.000
3.9000	0.759	254.4	0.000
4.0000	0.731	254.4	0.000
4.1000	0.698	254.3	0.000
4.2000	0.665	254.3	0.000
4.3000	0.635	254.6	0.000
4.4000	0.609	254.8	0.000
4.5000	0.583	256.6	0.000
4.6000	0.508	255.4	0.000
4.7000	0.431	255.2	0.000
4.8000	0.365	254.4	0.000
4.9000	0.300	254.1	0.000
5.0000	0.242	253.7	0.000
5.1000	0.190	253.2	0.000
5.2000	0.141	253.2	0.000
5.3000	0.092	253.6	0.000
5.4000	0.041	253.3	0.000
5.5000	-0.010	252.8	0.000
5.6000	-0.060	251.7	0.000
5.7000	-0.097	252.5	0.000
5.8000	-0.122	254.6	0.000
5.9000	-0.157	255.4	0.000
6.0000	-0.200	255.2	0.000
6.1000	-0.210	253.0	0.000
6.2000	-0.230	253.7	0.000
6.3000	-0.253	254.4	0.000
6.4000	-0.272	254.6	0.000
6.5000	-0.290	255.0	0.000
6.6000	-0.306	255.8	0.000
6.7000	-0.321	257.0	0.000
6.8000	-0.339	258.1	0.000
6.9000	-0.366	257.9	0.000
7.0000	-0.399	257.5	0.000
7.1000	-0.417	256.4	0.000
7.2000	-0.458	258.7	0.000
7.3000	-0.510	261.0	0.000
7.4000	-0.560	262.7	0.000
7.5000	-0.612	264.0	0.000
7.6000	-0.665	264.7	0.000
7.7000	-0.712	265.7	0.000
7.8000	-0.755	266.3	0.000
7.9000	-0.791	266.6	0.000
8.0000	-0.822	268.1	0.000
8.1000	-0.849	270.3	0.000
8.2000	-0.877	272.8	0.000

8.3000	-0.900	273.8	0.000
8.4000	-0.879	274.7	0.000
8.5000	-0.879	275.7	0.000
8.6000	-0.886	278.5	0.000
8.7000	-0.899	280.6	0.000
8.8000	-0.902	281.4	0.000
8.9000	-0.900	282.3	0.000
9.0000	-0.896	283.7	0.000
9.1000	-0.891	284.8	0.000
9.2000	-0.883	285.8	0.000
9.3000	-0.875	286.2	0.000
9.4000	-0.863	287.0	0.000
9.5000	-0.872	288.0	0.000
9.6000	-0.896	289.1	0.000
9.7000	-0.901	290.8	0.000
9.8000	-0.903	292.1	0.000
9.9000	-0.907	293.4	0.000
10.000	-0.910	293.8	0.000
10.100	-0.913	295.8	0.000
10.200	-0.925	298.0	0.000
10.300	-0.935	299.6	0.000
10.400	-0.946	301.2	0.000
10.500	-0.953	302.8	0.000
10.600	-0.950	304.1	0.000
10.700	-0.922	305.8	0.000
10.800	-0.896	307.0	0.000
10.900	-0.878	308.5	0.000
11.000	-0.853	308.9	0.000
11.100	-0.817	310.0	0.000
11.200	-0.774	310.9	0.000
11.300	-0.734	312.0	0.000
11.400	-0.692	314.2	0.000
11.500	-0.658	315.8	0.000
11.600	-0.620	316.8	0.000
11.700	-0.583	318.0	0.000
11.800	-0.553	318.4	0.000
11.900	-0.529	319.1	0.000
12.000	-0.493	320.2	0.000
12.100	-0.455	321.7	0.000
12.200	-0.438	323.9	0.000
12.300	-0.411	324.6	0.000
12.400	-0.391	324.7	0.000
12.500	-0.363	325.6	0.000
12.600	-0.340	326.9	0.000
12.700	-0.313	327.4	0.000
12.800	-0.287	327.7	0.000
12.900	-0.257	328.8	0.000
13.000	-0.224	330.3	0.000
13.100	-0.195	331.2	0.000
13.200	-0.176	331.4	0.000
13.300	-0.140	330.6	0.000
13.400	-0.092	330.5	0.000
13.500	-0.055	330.5	0.000

13.600	-0.009	331.0	0.000
13.700	0.032	331.1	0.000
13.800	0.075	330.7	0.000
13.900	0.123	329.7	0.000
14.000	0.181	328.7	0.000
14.100	0.231	328.1	0.000
14.200	0.276	327.6	0.000
14.300	0.320	326.9	0.000
14.400	0.358	326.7	0.000
14.500	0.375	325.7	0.000
14.600	0.404	324.3	0.000
14.700	0.433	322.5	0.000
14.800	0.462	320.5	0.000
14.900	0.485	319.8	0.000
15.000	0.496	319.0	0.000
15.100	0.509	317.2	0.000
15.200	0.518	315.0	0.000
15.300	0.539	313.7	0.000
15.400	0.551	312.7	0.000
15.500	0.562	310.4	0.000
15.600	0.585	308.3	0.000
15.700	0.608	306.8	0.000
15.800	0.612	305.5	0.000
15.900	0.618	304.4	0.000
16.000	0.629	301.9	0.000
16.100	0.644	300.5	0.000
16.200	0.665	298.5	0.000
16.300	0.680	296.0	0.000
16.400	0.695	294.7	0.000
16.500	0.703	293.1	0.000
16.600	0.718	291.2	0.000
16.700	0.728	289.2	0.000
16.800	0.735	287.1	0.000
16.900	0.751	285.8	0.000
17.000	0.771	284.6	0.000
17.100	0.774	284.2	0.000
17.200	0.762	283.1	0.000
17.300	0.751	281.8	0.000
17.400	0.733	280.9	0.000
17.500	0.727	279.3	0.000
17.600	0.715	278.7	0.000
17.700	0.696	278.3	0.000
17.800	0.670	278.0	0.000
17.900	0.655	276.8	0.000
18.000	0.637	275.6	0.000
18.100	0.608	274.9	0.000
18.200	0.581	274.0	0.000
18.300	0.569	273.0	0.000
18.400	0.550	272.6	0.000
18.500	0.534	272.1	0.000
18.600	0.507	272.1	0.000
18.700	0.484	270.5	0.000
18.800	0.463	269.8	0.000

18.900	0.444	269.9	0.000
19.000	0.426	269.2	0.000
19.100	0.398	268.3	0.000
19.200	0.382	267.8	0.000
19.300	0.372	268.3	0.000
19.400	0.345	268.1	0.000
19.500	0.320	266.9	0.000
19.600	0.308	265.9	0.000
19.700	0.296	265.1	0.000
19.800	0.287	266.1	0.000
19.900	0.264	266.2	0.000
20.000	0.236	266.7	0.000
20.100	0.208	266.7	0.000
20.200	0.182	266.0	0.000
20.300	0.159	266.3	0.000
20.400	0.124	266.1	0.000
20.500	0.091	265.9	0.000
20.600	0.065	266.6	0.000
20.700	0.026	266.6	0.000
20.800	-0.011	266.7	0.000
20.900	-0.045	266.4	0.000
21.000	-0.073	266.0	0.000
21.100	-0.101	266.0	0.000
21.200	-0.124	265.9	0.000
21.300	-0.155	267.2	0.000
21.400	-0.187	266.7	0.000
21.500	-0.210	266.7	0.000
21.600	-0.230	267.3	0.000
21.700	-0.258	268.1	0.000
21.800	-0.280	268.2	0.000
21.900	-0.290	267.9	0.000
22.000	-0.306	268.3	0.000
22.100	-0.329	269.9	0.000
22.200	-0.353	270.2	0.000
22.300	-0.373	270.5	0.000
22.400	-0.380	270.0	0.000
22.500	-0.382	270.9	0.000
22.600	-0.389	271.5	0.000
22.700	-0.404	272.3	0.000
22.800	-0.420	274.0	0.000
22.900	-0.430	274.8	0.000
23.000	-0.454	275.6	0.000
23.100	-0.478	276.4	0.000
23.200	-0.485	277.0	0.000
23.300	-0.497	278.5	0.000
23.400	-0.517	279.9	0.000
23.500	-0.536	281.0	0.000
23.600	-0.565	281.6	0.000
23.700	-0.577	282.4	0.000
23.800	-0.592	283.2	0.000
23.900	-0.596	284.1	0.000
24.000	-0.607	285.5	0.000
24.100	-0.617	286.4	0.000

24.200	-0.616	287.5	0.000
24.300	-0.618	288.4	0.000
24.400	-0.630	289.0	0.000
24.500	-0.629	290.3	0.000
24.600	-0.628	291.2	0.000
24.700	-0.616	291.9	0.000
24.800	-0.609	293.6	0.000
24.900	-0.606	294.7	0.000
25.000	-0.607	295.8	0.000
25.100	-0.598	296.1	0.000
25.200	-0.582	297.1	0.000
25.300	-0.568	297.7	0.000
25.400	-0.555	298.5	0.000
25.500	-0.537	299.6	0.000
25.600	-0.521	301.3	0.000
25.700	-0.515	302.5	0.000
25.800	-0.504	303.3	0.000
25.900	-0.495	303.3	0.000
26.000	-0.476	304.5	0.000
26.100	-0.462	305.8	0.000
26.200	-0.450	307.6	0.000
26.300	-0.447	308.4	0.000
26.400	-0.441	309.1	0.000
26.500	-0.420	309.4	0.000
26.600	-0.405	310.2	0.000
26.700	-0.389	311.1	0.000
26.800	-0.365	311.7	0.000
26.900	-0.344	312.6	0.000
27.000	-0.326	313.8	0.000
27.100	-0.304	314.2	0.000
27.200	-0.281	314.5	0.000
27.300	-0.257	315.1	0.000
27.400	-0.222	315.1	0.000
27.500	-0.192	315.9	0.000
27.600	-0.165	316.6	0.000
27.700	-0.146	317.1	0.000
27.800	-0.118	317.3	0.000
27.900	-0.089	317.5	0.000
28.000	-0.064	317.4	0.000
28.100	-0.033	317.4	0.000
28.200	0.003	317.1	0.000
28.300	0.030	317.2	0.000
28.400	0.059	317.6	0.000
28.500	0.077	318.3	0.000
28.600	0.095	317.3	0.000
28.700	0.122	316.8	0.000
28.800	0.151	316.3	0.000
28.900	0.173	316.4	0.000
29.000	0.184	316.3	0.000
29.100	0.199	315.9	0.000
29.200	0.217	314.9	0.000
29.300	0.231	314.0	0.000
29.400	0.246	312.9	0.000

29.500	0.270	312.3	0.000
29.600	0.290	311.2	0.000
29.700	0.317	310.8	0.000
29.800	0.327	310.0	0.000
29.900	0.341	308.7	0.000
30.000	0.356	307.5	0.000

\*\* History for selected times at end point P-9:J-3\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	1.521	292.2	0.000
0.1000	1.521	292.2	0.000
0.2000	1.521	292.2	0.000
0.3000	1.521	292.2	0.000
0.4000	1.521	292.2	0.000
0.5000	1.521	292.2	0.000
0.6000	1.504	290.4	0.000
0.7000	1.475	288.0	0.000
0.8000	1.455	287.1	0.000
0.9000	1.443	286.5	0.000
1.0000	1.434	285.9	0.000
1.1000	1.425	285.3	0.000
1.2000	1.414	284.4	0.000
1.3000	1.400	283.4	0.000
1.4000	1.385	282.3	0.000
1.5000	1.369	281.1	0.000
1.6000	1.351	279.9	0.000
1.7000	1.335	278.9	0.000
1.8000	1.315	277.3	0.000
1.9000	1.287	275.0	0.000
2.0000	1.251	272.3	0.000
2.1000	1.220	270.4	0.000
2.2000	1.191	268.4	0.000
2.3000	1.162	266.4	0.000
2.4000	1.138	264.8	0.000
2.5000	1.116	263.3	0.000
2.6000	1.088	261.1	0.000
2.7000	1.062	259.5	0.000
2.8000	1.039	258.0	0.000
2.9000	1.020	256.8	0.000
3.0000	0.999	255.2	0.000
3.1000	0.973	253.2	0.000
3.2000	0.944	251.1	0.000
3.3000	0.912	250.1	0.000
3.4000	0.881	254.1	0.000
3.5000	0.853	254.1	0.000
3.6000	0.826	253.7	0.000
3.7000	0.803	253.4	0.000
3.8000	0.783	253.3	0.000
3.9000	0.758	253.0	0.000

4.0000	0.730	252.7	0.000
4.1000	0.697	252.5	0.000
4.2000	0.667	252.7	0.000
4.3000	0.637	253.0	0.000
4.4000	0.610	253.5	0.000
4.5000	0.574	253.1	0.000
4.6000	0.502	251.2	0.000
4.7000	0.429	251.3	0.000
4.8000	0.362	251.0	0.000
4.9000	0.301	250.6	0.000
5.0000	0.240	250.7	0.000
5.1000	0.188	250.6	0.000
5.2000	0.144	250.5	0.000
5.3000	0.092	250.8	0.000
5.4000	0.039	250.5	0.000
5.5000	-0.014	249.9	0.000
5.6000	-0.062	249.4	0.000
5.7000	-0.086	251.3	0.000
5.8000	-0.115	252.9	0.000
5.9000	-0.160	253.2	0.000
6.0000	-0.197	253.0	0.000
6.1000	-0.209	251.8	0.000
6.2000	-0.227	252.5	0.000
6.3000	-0.250	253.1	0.000
6.4000	-0.270	253.7	0.000
6.5000	-0.286	254.1	0.000
6.6000	-0.301	255.0	0.000
6.7000	-0.315	256.1	0.000
6.8000	-0.338	256.7	0.000
6.9000	-0.370	256.2	0.000
7.0000	-0.398	256.0	0.000
7.1000	-0.422	255.9	0.000
7.2000	-0.449	255.1	0.000
7.3000	-0.499	258.7	0.000
7.4000	-0.550	259.8	0.000
7.5000	-0.608	261.0	0.000
7.6000	-0.661	262.0	0.000
7.7000	-0.709	263.2	0.000
7.8000	-0.752	264.1	0.000
7.9000	-0.787	264.9	0.000
8.0000	-0.812	266.6	0.000
8.1000	-0.838	268.9	0.000
8.2000	-0.867	270.9	0.000
8.3000	-0.895	273.4	0.000
8.4000	-0.882	275.3	0.000
8.5000	-0.873	275.5	0.000
8.6000	-0.877	277.9	0.000
8.7000	-0.891	280.0	0.000
8.8000	-0.900	281.5	0.000
8.9000	-0.894	282.5	0.000
9.0000	-0.890	283.8	0.000
9.1000	-0.884	285.0	0.000
9.2000	-0.880	286.1	0.000

9.3000	-0.873	286.8	0.000
9.4000	-0.861	287.4	0.000
9.5000	-0.872	286.6	0.000
9.6000	-0.885	288.6	0.000
9.7000	-0.892	290.5	0.000
9.8000	-0.901	292.1	0.000
9.9000	-0.900	292.7	0.000
10.000	-0.899	293.3	0.000
10.100	-0.905	295.4	0.000
10.200	-0.916	297.2	0.000
10.300	-0.929	299.0	0.000
10.400	-0.937	300.7	0.000
10.500	-0.946	302.4	0.000
10.600	-0.940	305.0	0.000
10.700	-0.915	307.4	0.000
10.800	-0.892	308.1	0.000
10.900	-0.867	309.5	0.000
11.000	-0.857	311.0	0.000
11.100	-0.814	311.6	0.000
11.200	-0.771	313.6	0.000
11.300	-0.723	314.5	0.000
11.400	-0.685	316.0	0.000
11.500	-0.652	317.6	0.000
11.600	-0.616	318.9	0.000
11.700	-0.580	319.8	0.000
11.800	-0.552	319.8	0.000
11.900	-0.522	320.8	0.000
12.000	-0.488	322.3	0.000
12.100	-0.447	323.4	0.000
12.200	-0.435	324.4	0.000
12.300	-0.415	325.7	0.000
12.400	-0.388	325.9	0.000
12.500	-0.363	327.4	0.000
12.600	-0.335	328.4	0.000
12.700	-0.313	328.9	0.000
12.800	-0.283	329.4	0.000
12.900	-0.249	330.6	0.000
13.000	-0.218	331.9	0.000
13.100	-0.194	332.3	0.000
13.200	-0.176	332.4	0.000
13.300	-0.139	333.5	0.000
13.400	-0.094	332.6	0.000
13.500	-0.051	333.2	0.000
13.600	-0.006	333.2	0.000
13.700	0.029	333.6	0.000
13.800	0.073	333.0	0.000
13.900	0.124	332.3	0.000
14.000	0.175	331.7	0.000
14.100	0.227	330.7	0.000
14.200	0.272	330.0	0.000
14.300	0.318	329.5	0.000
14.400	0.354	328.0	0.000
14.500	0.371	326.8	0.000



14.600	0.398	326.1	0.000
14.700	0.424	324.0	0.000
14.800	0.459	322.5	0.000
14.900	0.473	320.9	0.000
15.000	0.488	319.3	0.000
15.100	0.496	318.0	0.000
15.200	0.514	316.1	0.000
15.300	0.534	314.5	0.000
15.400	0.543	313.1	0.000
15.500	0.552	311.3	0.000
15.600	0.577	310.0	0.000
15.700	0.598	307.5	0.000
15.800	0.609	305.8	0.000
15.900	0.609	304.4	0.000
16.000	0.620	303.1	0.000
16.100	0.634	301.2	0.000
16.200	0.651	299.2	0.000
16.300	0.671	297.1	0.000
16.400	0.681	295.5	0.000
16.500	0.696	294.0	0.000
16.600	0.708	292.0	0.000
16.700	0.717	289.8	0.000
16.800	0.729	287.7	0.000
16.900	0.747	286.9	0.000
17.000	0.764	285.4	0.000
17.100	0.769	283.7	0.000
17.200	0.757	282.8	0.000
17.300	0.747	281.0	0.000
17.400	0.730	280.3	0.000
17.500	0.725	278.9	0.000
17.600	0.711	278.4	0.000
17.700	0.694	277.0	0.000
17.800	0.673	276.5	0.000
17.900	0.648	275.9	0.000
18.000	0.630	274.5	0.000
18.100	0.605	273.2	0.000
18.200	0.577	273.0	0.000
18.300	0.567	272.5	0.000
18.400	0.550	271.5	0.000
18.500	0.532	271.3	0.000
18.600	0.506	270.2	0.000
18.700	0.481	269.9	0.000
18.800	0.458	269.2	0.000
18.900	0.440	268.8	0.000
19.000	0.417	267.9	0.000
19.100	0.399	267.2	0.000
19.200	0.386	267.2	0.000
19.300	0.371	267.3	0.000
19.400	0.341	266.3	0.000
19.500	0.316	266.2	0.000
19.600	0.304	265.2	0.000
19.700	0.296	264.9	0.000
19.800	0.287	264.9	0.000

19.900	0.265	265.3	0.000
20.000	0.236	264.9	0.000
20.100	0.207	264.9	0.000
20.200	0.179	265.0	0.000
20.300	0.153	264.6	0.000
20.400	0.122	264.4	0.000
20.500	0.094	264.6	0.000
20.600	0.065	265.0	0.000
20.700	0.026	264.4	0.000
20.800	-0.009	264.8	0.000
20.900	-0.049	264.6	0.000
21.000	-0.073	264.7	0.000
21.100	-0.098	264.9	0.000
21.200	-0.121	264.6	0.000
21.300	-0.149	265.1	0.000
21.400	-0.182	265.2	0.000
21.500	-0.209	266.1	0.000
21.600	-0.227	266.0	0.000
21.700	-0.252	266.5	0.000
21.800	-0.279	267.1	0.000
21.900	-0.294	267.4	0.000
22.000	-0.302	267.5	0.000
22.100	-0.325	268.3	0.000
22.200	-0.349	269.2	0.000
22.300	-0.370	269.4	0.000
22.400	-0.380	270.3	0.000
22.500	-0.376	270.4	0.000
22.600	-0.384	271.3	0.000
22.700	-0.402	271.9	0.000
22.800	-0.415	273.1	0.000
22.900	-0.431	273.9	0.000
23.000	-0.449	274.3	0.000
23.100	-0.469	275.3	0.000
23.200	-0.482	276.7	0.000
23.300	-0.490	277.5	0.000
23.400	-0.512	278.8	0.000
23.500	-0.532	279.5	0.000
23.600	-0.561	280.4	0.000
23.700	-0.575	281.5	0.000
23.800	-0.584	283.0	0.000
23.900	-0.592	283.7	0.000
24.000	-0.600	284.4	0.000
24.100	-0.612	286.1	0.000
24.200	-0.616	287.4	0.000
24.300	-0.619	288.0	0.000
24.400	-0.623	288.9	0.000
24.500	-0.624	290.5	0.000
24.600	-0.623	291.3	0.000
24.700	-0.611	292.8	0.000
24.800	-0.604	293.5	0.000
24.900	-0.600	294.9	0.000
25.000	-0.600	295.8	0.000
25.100	-0.595	296.9	0.000

25.200	-0.573	297.9	0.000
25.300	-0.559	298.1	0.000
25.400	-0.550	299.5	0.000
25.500	-0.529	300.7	0.000
25.600	-0.515	301.8	0.000
25.700	-0.508	302.8	0.000
25.800	-0.505	303.6	0.000
25.900	-0.492	304.4	0.000
26.000	-0.470	305.4	0.000
26.100	-0.454	306.7	0.000
26.200	-0.443	307.6	0.000
26.300	-0.445	308.6	0.000
26.400	-0.434	309.6	0.000
26.500	-0.415	310.8	0.000
26.600	-0.403	311.3	0.000
26.700	-0.384	311.9	0.000
26.800	-0.365	313.1	0.000
26.900	-0.339	313.8	0.000
27.000	-0.317	314.6	0.000
27.100	-0.303	315.2	0.000
27.200	-0.277	315.7	0.000
27.300	-0.256	316.4	0.000
27.400	-0.221	317.1	0.000
27.500	-0.191	317.3	0.000
27.600	-0.166	317.5	0.000
27.700	-0.138	318.5	0.000
27.800	-0.119	318.9	0.000
27.900	-0.088	318.6	0.000
28.000	-0.063	318.7	0.000
28.100	-0.037	319.1	0.000
28.200	-0.002	319.0	0.000
28.300	0.033	318.8	0.000
28.400	0.060	319.1	0.000
28.500	0.076	318.7	0.000
28.600	0.091	318.8	0.000
28.700	0.119	318.1	0.000
28.800	0.150	317.9	0.000
28.900	0.174	317.1	0.000
29.000	0.182	316.8	0.000
29.100	0.200	316.7	0.000
29.200	0.219	315.5	0.000
29.300	0.228	314.9	0.000
29.400	0.244	314.3	0.000
29.500	0.265	313.3	0.000
29.600	0.288	312.5	0.000
29.700	0.311	311.7	0.000
29.800	0.321	310.7	0.000
29.900	0.337	309.4	0.000
30.000	0.352	308.5	0.000

\*\* History for selected times at end point P-8:J-3\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	1.521	292.2	0.000
0.1000	1.521	292.2	0.000
0.2000	1.521	292.2	0.000
0.3000	1.521	292.2	0.000
0.4000	1.521	292.2	0.000
0.5000	1.521	292.2	0.000
0.6000	1.498	290.4	0.000
0.7000	1.409	288.0	0.000
0.8000	1.306	287.1	0.000
0.9000	1.209	286.5	0.000
1.0000	1.121	285.9	0.000
1.1000	1.041	285.3	0.000
1.2000	0.969	284.4	0.000
1.3000	0.905	283.4	0.000
1.4000	0.846	282.3	0.000
1.5000	0.794	281.1	0.000
1.6000	0.746	279.9	0.000
1.7000	0.706	278.9	0.000
1.8000	0.669	277.3	0.000
1.9000	0.611	275.0	0.000
2.0000	0.535	272.3	0.000
2.1000	0.452	270.4	0.000
2.2000	0.376	268.4	0.000
2.3000	0.299	266.4	0.000
2.4000	0.234	264.8	0.000
2.5000	0.181	263.3	0.000
2.6000	0.123	261.1	0.000
2.7000	0.068	259.5	0.000
2.8000	0.023	258.0	0.000
2.9000	-0.011	256.8	0.000
3.0000	-0.041	255.2	0.000
3.1000	-0.081	253.2	0.000
3.2000	-0.131	251.1	0.000
3.3000	-0.186	250.1	0.000
3.4000	-0.182	254.1	0.000
3.5000	-0.133	254.1	0.000
3.6000	-0.090	253.7	0.000
3.7000	-0.050	253.4	0.000
3.8000	-0.010	253.3	0.000
3.9000	0.023	253.0	0.000
4.0000	0.049	252.7	0.000
4.1000	0.066	252.5	0.000
4.2000	0.087	252.7	0.000
4.3000	0.114	253.0	0.000
4.4000	0.152	253.5	0.000
4.5000	0.190	253.1	0.000
4.6000	0.157	251.2	0.000
4.7000	0.110	251.3	0.000
4.8000	0.071	251.0	0.000
4.9000	0.033	250.6	0.000

5.0000	-0.003	250.7	0.000
5.1000	-0.029	250.6	0.000
5.2000	-0.049	250.5	0.000
5.3000	-0.070	250.8	0.000
5.4000	-0.092	250.5	0.000
5.5000	-0.121	249.9	0.000
5.6000	-0.158	249.4	0.000
5.7000	-0.157	251.3	0.000
5.8000	-0.123	252.9	0.000
5.9000	-0.090	253.2	0.000
6.0000	-0.055	253.0	0.000
6.1000	-0.007	251.8	0.000
6.2000	0.012	252.5	0.000
6.3000	0.026	253.1	0.000
6.4000	0.044	253.7	0.000
6.5000	0.060	254.1	0.000
6.6000	0.075	255.0	0.000
6.7000	0.095	256.1	0.000
6.8000	0.106	256.7	0.000
6.9000	0.092	256.2	0.000
7.0000	0.062	256.0	0.000
7.1000	0.029	255.9	0.000
7.2000	-0.021	255.1	0.000
7.3000	-0.067	258.7	0.000
7.4000	-0.088	259.8	0.000
7.5000	-0.111	261.0	0.000
7.6000	-0.133	262.0	0.000
7.7000	-0.151	263.2	0.000
7.8000	-0.169	264.1	0.000
7.9000	-0.182	264.9	0.000
8.0000	-0.187	266.6	0.000
8.1000	-0.179	268.9	0.000
8.2000	-0.166	270.9	0.000
8.3000	-0.151	273.4	0.000
8.4000	-0.085	275.3	0.000
8.5000	-0.057	275.5	0.000
8.6000	-0.043	277.9	0.000
8.7000	-0.032	280.0	0.000
8.8000	-0.017	281.5	0.000
8.9000	0.000	282.5	0.000
9.0000	0.009	283.8	0.000
9.1000	0.017	285.0	0.000
9.2000	0.021	286.1	0.000
9.3000	0.020	286.8	0.000
9.4000	0.019	287.4	0.000
9.5000	-0.022	286.6	0.000
9.6000	-0.063	288.6	0.000
9.7000	-0.074	290.5	0.000
9.8000	-0.081	292.1	0.000
9.9000	-0.087	292.7	0.000
10.000	-0.100	293.3	0.000
10.100	-0.116	295.4	0.000
10.200	-0.129	297.2	0.000

10.300	-0.140	299.0	0.000
10.400	-0.148	300.7	0.000
10.500	-0.157	302.4	0.000
10.600	-0.147	305.0	0.000
10.700	-0.108	307.4	0.000
10.800	-0.087	308.1	0.000
10.900	-0.078	309.5	0.000
11.000	-0.085	311.0	0.000
11.100	-0.067	311.6	0.000
11.200	-0.049	313.6	0.000
11.300	-0.029	314.5	0.000
11.400	-0.016	316.0	0.000
11.500	-0.008	317.6	0.000
11.600	0.005	318.9	0.000
11.700	0.011	319.8	0.000
11.800	-0.007	319.8	0.000
11.900	-0.030	320.8	0.000
12.000	-0.038	322.3	0.000
12.100	-0.034	323.4	0.000
12.200	-0.059	324.4	0.000
12.300	-0.065	325.7	0.000
12.400	-0.078	325.9	0.000
12.500	-0.088	327.4	0.000
12.600	-0.091	328.4	0.000
12.700	-0.096	328.9	0.000
12.800	-0.099	329.4	0.000
12.900	-0.092	330.6	0.000
13.000	-0.071	331.9	0.000
13.100	-0.053	332.3	0.000
13.200	-0.049	332.4	0.000
13.300	-0.025	333.5	0.000
13.400	0.002	332.6	0.000
13.500	0.014	333.2	0.000
13.600	0.032	333.2	0.000
13.700	0.041	333.6	0.000
13.800	0.058	333.0	0.000
13.900	0.072	332.3	0.000
14.000	0.081	331.7	0.000
14.100	0.082	330.7	0.000
14.200	0.075	330.0	0.000
14.300	0.076	329.5	0.000
14.400	0.074	328.0	0.000
14.500	0.051	326.8	0.000
14.600	0.052	326.1	0.000
14.700	0.054	324.0	0.000
14.800	0.062	322.5	0.000
14.900	0.049	320.9	0.000
15.000	0.047	319.3	0.000
15.100	0.047	318.0	0.000
15.200	0.052	316.1	0.000
15.300	0.067	314.5	0.000
15.400	0.074	313.1	0.000
15.500	0.080	311.3	0.000

15.600	0.104	310.0	0.000
15.700	0.120	307.5	0.000
15.800	0.113	305.8	0.000
15.900	0.104	304.4	0.000
16.000	0.108	303.1	0.000
16.100	0.114	301.2	0.000
16.200	0.123	299.2	0.000
16.300	0.121	297.1	0.000
16.400	0.109	295.5	0.000
16.500	0.101	294.0	0.000
16.600	0.096	292.0	0.000
16.700	0.081	289.8	0.000
16.800	0.062	287.7	0.000
16.900	0.061	286.9	0.000
17.000	0.071	285.4	0.000
17.100	0.070	283.7	0.000
17.200	0.054	282.8	0.000
17.300	0.046	281.0	0.000
17.400	0.033	280.3	0.000
17.500	0.042	278.9	0.000
17.600	0.042	278.4	0.000
17.700	0.042	277.0	0.000
17.800	0.041	276.5	0.000
17.900	0.047	275.9	0.000
18.000	0.053	274.5	0.000
18.100	0.041	273.2	0.000
18.200	0.028	273.0	0.000
18.300	0.042	272.5	0.000
18.400	0.044	271.5	0.000
18.500	0.050	271.3	0.000
18.600	0.043	270.2	0.000
18.700	0.037	269.9	0.000
18.800	0.029	269.2	0.000
18.900	0.029	268.8	0.000
19.000	0.027	267.9	0.000
19.100	0.015	267.2	0.000
19.200	0.015	267.2	0.000
19.300	0.025	267.3	0.000
19.400	0.015	266.3	0.000
19.500	0.005	266.2	0.000
19.600	0.008	265.2	0.000
19.700	0.005	264.9	0.000
19.800	0.010	264.9	0.000
19.900	0.006	265.3	0.000
20.000	0.001	264.9	0.000
20.100	0.001	264.9	0.000
20.200	0.004	265.0	0.000
20.300	0.009	264.6	0.000
20.400	0.002	264.4	0.000
20.500	0.000	264.6	0.000
20.600	0.006	265.0	0.000
20.700	0.000	264.4	0.000
20.800	-0.003	264.8	0.000

20.900	-0.009	264.6	0.000
21.000	-0.001	264.7	0.000
21.100	0.001	264.9	0.000
21.200	0.003	264.6	0.000
21.300	-0.003	265.1	0.000
21.400	-0.014	265.2	0.000
21.500	-0.018	266.1	0.000
21.600	-0.014	266.0	0.000
21.700	-0.021	266.5	0.000
21.800	-0.026	267.1	0.000
21.900	-0.021	267.4	0.000
22.000	-0.019	267.5	0.000
22.100	-0.032	268.3	0.000
22.200	-0.040	269.2	0.000
22.300	-0.047	269.4	0.000
22.400	-0.042	270.3	0.000
22.500	-0.029	270.4	0.000
22.600	-0.028	271.3	0.000
22.700	-0.041	271.9	0.000
22.800	-0.041	273.1	0.000
22.900	-0.036	273.9	0.000
23.000	-0.043	274.3	0.000
23.100	-0.053	275.3	0.000
23.200	-0.046	276.7	0.000
23.300	-0.035	277.5	0.000
23.400	-0.039	278.8	0.000
23.500	-0.042	279.5	0.000
23.600	-0.063	280.4	0.000
23.700	-0.064	281.5	0.000
23.800	-0.062	283.0	0.000
23.900	-0.059	283.7	0.000
24.000	-0.062	284.4	0.000
24.100	-0.067	286.1	0.000
24.200	-0.058	287.4	0.000
24.300	-0.057	288.0	0.000
24.400	-0.068	288.9	0.000
24.500	-0.067	290.5	0.000
24.600	-0.066	291.3	0.000
24.700	-0.051	292.8	0.000
24.800	-0.047	293.5	0.000
24.900	-0.045	294.9	0.000
25.000	-0.050	295.8	0.000
25.100	-0.052	296.9	0.000
25.200	-0.037	297.9	0.000
25.300	-0.039	298.1	0.000
25.400	-0.048	299.5	0.000
25.500	-0.041	300.7	0.000
25.600	-0.036	301.8	0.000
25.700	-0.040	302.8	0.000
25.800	-0.049	303.6	0.000
25.900	-0.055	304.4	0.000
26.000	-0.050	305.4	0.000
26.100	-0.048	306.7	0.000



26.200	-0.047	307.6	0.000
26.300	-0.061	308.6	0.000
26.400	-0.062	309.6	0.000
26.500	-0.052	310.8	0.000
26.600	-0.057	311.3	0.000
26.700	-0.058	311.9	0.000
26.800	-0.054	313.1	0.000
26.900	-0.045	313.8	0.000
27.000	-0.039	314.6	0.000
27.100	-0.040	315.2	0.000
27.200	-0.035	315.7	0.000
27.300	-0.035	316.4	0.000
27.400	-0.017	317.1	0.000
27.500	-0.011	317.3	0.000
27.600	-0.010	317.5	0.000
27.700	-0.009	318.5	0.000
27.800	-0.007	318.9	0.000
27.900	0.002	318.6	0.000
28.000	-0.002	318.7	0.000
28.100	-0.002	319.1	0.000
28.200	0.007	319.0	0.000
28.300	0.008	318.8	0.000
28.400	0.009	319.1	0.000
28.500	0.001	318.7	0.000
28.600	-0.004	318.8	0.000
28.700	0.004	318.1	0.000
28.800	0.018	317.9	0.000
28.900	0.023	317.1	0.000
29.000	0.014	316.8	0.000
29.100	0.024	316.7	0.000
29.200	0.036	315.5	0.000
29.300	0.032	314.9	0.000
29.400	0.034	314.3	0.000
29.500	0.045	313.3	0.000
29.600	0.055	312.5	0.000
29.700	0.069	311.7	0.000
29.800	0.063	310.7	0.000
29.900	0.064	309.4	0.000
30.000	0.057	308.5	0.000

\*\* History for selected times at end point P-7:J-1\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	1.521	293.6	0.000
0.1000	1.485	289.7	0.000
0.2000	1.428	283.5	0.000
0.3000	1.373	277.5	0.000
0.4000	1.323	272.1	0.000
0.5000	1.277	267.0	0.000
0.6000	1.235	262.4	0.000

0.7000	1.196	258.1	0.000
0.8000	1.160	254.1	0.000
0.9000	1.126	250.5	0.000
1.0000	1.095	247.0	0.000
1.1000	1.065	243.8	0.000
1.2000	1.020	243.8	0.000
1.3000	0.942	245.3	0.000
1.4000	0.856	245.9	0.000
1.5000	0.760	244.7	0.000
1.6000	0.674	243.6	0.000
1.7000	0.592	241.9	0.000
1.8000	0.517	240.0	0.000
1.9000	0.455	238.6	0.000
2.0000	0.398	237.2	0.000
2.1000	0.341	235.0	0.000
2.2000	0.292	233.2	0.000
2.3000	0.252	231.5	0.000
2.4000	0.216	230.9	0.000
2.5000	0.168	230.7	0.000
2.6000	0.106	230.7	0.000
2.7000	0.041	230.1	0.000
2.8000	-0.017	230.1	0.000
2.9000	-0.009	237.0	0.000
3.0000	-0.007	241.8	0.000
3.1000	-0.007	245.8	0.000
3.2000	-0.007	250.1	0.000
3.3000	-0.006	253.9	0.000
3.4000	-0.004	256.9	0.000
3.5000	-0.002	258.8	0.000
3.6000	-0.004	260.7	0.000
3.7000	-0.006	263.7	0.000
3.8000	-0.006	267.3	0.000
3.9000	-0.006	273.6	0.000
4.0000	0.011	271.3	0.000
4.1000	0.008	265.8	0.000
4.2000	0.007	261.0	0.000
4.3000	0.008	256.5	0.000
4.4000	0.007	252.3	0.000
4.5000	0.005	248.8	0.000
4.6000	0.004	246.2	0.000
4.7000	0.003	244.3	0.000
4.8000	0.005	242.0	0.000
4.9000	0.006	238.9	0.000
5.0000	0.009	234.3	0.000
5.1000	-0.004	232.6	0.000
5.2000	-0.009	236.8	0.000
5.3000	-0.006	241.6	0.000
5.4000	-0.005	245.0	0.000
5.5000	-0.006	249.3	0.000
5.6000	-0.005	252.5	0.000
5.7000	-0.003	254.9	0.000
5.8000	-0.005	257.2	0.000
5.9000	-0.004	259.5	0.000

6.0000	-0.004	261.8	0.000
6.1000	-0.006	264.8	0.000
6.2000	-0.003	267.7	0.000
6.3000	0.004	267.6	0.000
6.4000	0.006	264.5	0.000
6.5000	0.007	260.9	0.000
6.6000	0.011	256.3	0.000
6.7000	-0.003	251.4	0.000
6.8000	0.002	250.6	0.000
6.9000	0.002	249.7	0.000
7.0000	0.002	248.1	0.000
7.1000	0.001	247.2	0.000
7.2000	0.002	246.3	0.000
7.3000	0.001	245.3	0.000
7.4000	-0.002	245.4	0.000
7.5000	-0.006	247.7	0.000
7.6000	-0.006	251.2	0.000
7.7000	-0.003	254.1	0.000
7.8000	-0.015	262.3	0.000
7.9000	-0.004	267.9	0.000
8.0000	-0.006	271.4	0.000
8.1000	-0.006	274.8	0.000
8.2000	-0.005	278.1	0.000
8.3000	-0.005	281.0	0.000
8.4000	-0.004	283.7	0.000
8.5000	-0.004	285.8	0.000
8.6000	-0.002	287.7	0.000
8.7000	-0.001	288.6	0.000
8.8000	-0.002	289.5	0.000
8.9000	0.011	287.5	0.000
9.0000	0.004	282.4	0.000
9.1000	-0.002	281.9	0.000
9.2000	0.000	282.8	0.000
9.3000	0.002	283.6	0.000
9.4000	0.002	282.8	0.000
9.5000	0.000	282.6	0.000
9.6000	-0.001	283.0	0.000
9.7000	-0.001	283.5	0.000
9.8000	-0.002	284.2	0.000
9.9000	-0.001	284.9	0.000
10.000	-0.006	286.6	0.000
10.100	-0.012	292.4	0.000
10.200	-0.005	297.4	0.000
10.300	-0.005	299.8	0.000
10.400	0.000	301.1	0.000
10.500	-0.002	303.6	0.000
10.600	-0.010	306.2	0.000
10.700	-0.006	309.4	0.000
10.800	-0.005	312.8	0.000
10.900	-0.004	315.5	0.000
11.000	-0.004	318.1	0.000
11.100	-0.003	320.5	0.000
11.200	0.004	320.3	0.000

11.300	0.003	318.0	0.000
11.400	-0.001	317.7	0.000
11.500	-0.004	319.1	0.000
11.600	0.008	318.9	0.000
11.700	0.001	318.9	0.000
11.800	0.004	318.0	0.000
11.900	0.000	317.7	0.000
12.000	-0.002	318.1	0.000
12.100	0.000	318.5	0.000
12.200	0.000	318.3	0.000
12.300	-0.003	319.4	0.000
12.400	-0.006	322.3	0.000
12.500	-0.004	325.6	0.000
12.600	0.000	326.8	0.000
12.700	-0.007	328.5	0.000
12.800	-0.002	332.2	0.000
12.900	-0.003	333.4	0.000
13.000	-0.004	335.6	0.000
13.100	0.000	337.4	0.000
13.200	-0.001	338.9	0.000
13.300	-0.001	339.7	0.000
13.400	0.000	340.5	0.000
13.500	0.002	340.3	0.000
13.600	0.003	338.9	0.000
13.700	0.000	337.7	0.000
13.800	0.002	337.3	0.000
13.900	0.007	334.0	0.000
14.000	0.000	331.9	0.000
14.100	0.004	330.9	0.000
14.200	-0.002	329.4	0.000
14.300	0.007	327.8	0.000
14.400	0.005	325.7	0.000
14.500	0.000	323.9	0.000
14.600	0.001	322.0	0.000
14.700	0.000	321.8	0.000
14.800	0.001	321.7	0.000
14.900	0.003	320.5	0.000
15.000	-0.003	320.5	0.000
15.100	0.001	321.4	0.000
15.200	0.004	319.2	0.000
15.300	0.004	317.0	0.000
15.400	0.000	315.0	0.000
15.500	0.006	314.6	0.000
15.600	0.004	313.7	0.000
15.700	0.005	311.5	0.000
15.800	0.006	309.0	0.000
15.900	0.003	306.0	0.000
16.000	0.004	303.8	0.000
16.100	0.007	300.7	0.000
16.200	0.008	296.3	0.000
16.300	0.001	293.8	0.000
16.400	0.001	293.4	0.000
16.500	0.003	292.6	0.000

16.600	0.005	289.6	0.000
16.700	0.005	287.6	0.000
16.800	0.002	284.7	0.000
16.900	0.000	283.6	0.000
17.000	0.002	283.3	0.000
17.100	0.003	282.4	0.000
17.200	0.002	281.1	0.000
17.300	0.000	281.0	0.000
17.400	0.001	280.9	0.000
17.500	0.005	279.1	0.000
17.600	0.003	276.5	0.000
17.700	-0.002	276.6	0.000
17.800	0.002	276.6	0.000
17.900	-0.003	276.3	0.000
18.000	0.003	276.1	0.000
18.100	-0.002	273.9	0.000
18.200	0.004	272.9	0.000
18.300	0.002	272.4	0.000
18.400	0.001	271.8	0.000
18.500	0.003	269.6	0.000
18.600	0.000	268.4	0.000
18.700	-0.002	269.6	0.000
18.800	0.004	269.2	0.000
18.900	0.002	267.1	0.000
19.000	0.001	266.6	0.000
19.100	0.001	265.3	0.000
19.200	-0.002	266.1	0.000
19.300	-0.001	265.7	0.000
19.400	0.004	265.6	0.000
19.500	0.002	265.4	0.000
19.600	-0.001	265.0	0.000
19.700	0.001	266.0	0.000
19.800	0.001	265.2	0.000
19.900	0.000	264.3	0.000
20.000	-0.002	265.3	0.000
20.100	0.003	265.0	0.000
20.200	-0.001	264.3	0.000
20.300	0.002	264.0	0.000
20.400	-0.002	264.2	0.000
20.500	-0.001	264.8	0.000
20.600	-0.001	265.0	0.000
20.700	-0.001	265.0	0.000
20.800	0.000	263.9	0.000
20.900	-0.001	263.7	0.000
21.000	0.000	264.5	0.000
21.100	0.001	264.5	0.000
21.200	0.000	264.1	0.000
21.300	-0.001	264.9	0.000
21.400	-0.001	265.3	0.000
21.500	0.002	265.3	0.000
21.600	-0.001	264.6	0.000
21.700	0.000	264.6	0.000
21.800	-0.003	264.7	0.000

21.900	-0.003	266.6	0.000
22.000	-0.005	267.6	0.000
22.100	0.002	267.5	0.000
22.200	-0.001	268.0	0.000
22.300	-0.002	269.6	0.000
22.400	0.000	269.9	0.000
22.500	0.001	269.3	0.000
22.600	-0.004	270.5	0.000
22.700	-0.003	273.0	0.000
22.800	-0.002	274.0	0.000
22.900	-0.002	275.0	0.000
23.000	0.003	274.0	0.000
23.100	-0.002	274.2	0.000
23.200	-0.004	274.9	0.000
23.300	-0.001	276.9	0.000
23.400	0.000	277.8	0.000
23.500	-0.001	277.9	0.000
23.600	-0.003	280.2	0.000
23.700	-0.002	281.8	0.000
23.800	0.000	281.3	0.000
23.900	-0.004	282.2	0.000
24.000	-0.001	283.6	0.000
24.100	-0.006	285.5	0.000
24.200	-0.001	288.1	0.000
24.300	-0.003	289.3	0.000
24.400	-0.002	290.1	0.000
24.500	-0.002	290.4	0.000
24.600	-0.006	292.7	0.000
24.700	-0.002	293.6	0.000
24.800	-0.001	293.8	0.000
24.900	-0.003	295.1	0.000
25.000	-0.003	297.3	0.000
25.100	-0.001	298.0	0.000
25.200	0.001	298.7	0.000
25.300	0.000	298.1	0.000
25.400	-0.003	299.3	0.000
25.500	-0.004	300.6	0.000
25.600	-0.003	302.2	0.000
25.700	0.001	302.2	0.000
25.800	-0.003	302.4	0.000
25.900	-0.008	303.9	0.000
26.000	0.000	304.9	0.000
26.100	0.000	305.3	0.000
26.200	-0.002	306.5	0.000
26.300	-0.004	308.1	0.000
26.400	-0.003	309.6	0.000
26.500	0.000	310.6	0.000
26.600	-0.002	311.4	0.000
26.700	-0.001	312.2	0.000
26.800	-0.005	314.0	0.000
26.900	0.000	315.7	0.000
27.000	-0.001	316.7	0.000
27.100	-0.003	316.6	0.000

27.200	-0.001	317.7	0.000
27.300	-0.001	318.7	0.000
27.400	0.002	318.6	0.000
27.500	0.001	318.7	0.000
27.600	-0.002	319.5	0.000
27.700	-0.001	319.6	0.000
27.800	-0.002	319.8	0.000
27.900	0.003	319.8	0.000
28.000	0.001	318.3	0.000
28.100	0.001	318.5	0.000
28.200	-0.003	319.1	0.000
28.300	-0.001	319.7	0.000
28.400	0.003	319.0	0.000
28.500	-0.003	318.8	0.000
28.600	-0.002	319.2	0.000
28.700	0.002	318.8	0.000
28.800	0.000	317.8	0.000
28.900	0.000	318.2	0.000
29.000	0.000	318.0	0.000
29.100	-0.001	319.2	0.000
29.200	0.003	318.4	0.000
29.300	0.002	317.2	0.000
29.400	0.002	315.1	0.000
29.500	-0.002	314.9	0.000
29.600	0.003	315.0	0.000
29.700	0.003	313.2	0.000
29.800	-0.003	311.6	0.000
29.900	0.001	311.0	0.000
30.000	0.004	309.5	0.000

\*\* History for selected times at end point P-6:J-1\*\*

Time (s) ----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	0.507	293.6	0.000
0.1000	0.495	289.7	0.000
0.2000	0.476	283.5	0.000
0.3000	0.458	277.5	0.000
0.4000	0.441	272.1	0.000
0.5000	0.426	267.0	0.000
0.6000	0.412	262.4	0.000
0.7000	0.399	258.1	0.000
0.8000	0.387	254.1	0.000
0.9000	0.375	250.5	0.000
1.0000	0.365	247.0	0.000
1.1000	0.355	243.8	0.000
1.2000	0.340	243.8	0.000
1.3000	0.314	245.3	0.000
1.4000	0.285	245.9	0.000
1.5000	0.253	244.7	0.000
1.6000	0.225	243.6	0.000

1.7000	0.197	241.9	0.000
1.8000	0.172	240.0	0.000
1.9000	0.152	238.6	0.000
2.0000	0.133	237.2	0.000
2.1000	0.114	235.0	0.000
2.2000	0.097	233.2	0.000
2.3000	0.084	231.5	0.000
2.4000	0.072	230.9	0.000
2.5000	0.056	230.7	0.000
2.6000	0.035	230.7	0.000
2.7000	0.014	230.1	0.000
2.8000	-0.006	230.1	0.000
2.9000	-0.003	237.0	0.000
3.0000	-0.002	241.8	0.000
3.1000	-0.002	245.8	0.000
3.2000	-0.002	250.1	0.000
3.3000	-0.002	253.9	0.000
3.4000	-0.001	256.9	0.000
3.5000	-0.001	258.8	0.000
3.6000	-0.001	260.7	0.000
3.7000	-0.002	263.7	0.000
3.8000	-0.002	267.3	0.000
3.9000	-0.002	273.6	0.000
4.0000	0.004	271.3	0.000
4.1000	0.003	265.8	0.000
4.2000	0.002	261.0	0.000
4.3000	0.003	256.5	0.000
4.4000	0.002	252.3	0.000
4.5000	0.002	248.8	0.000
4.6000	0.001	246.2	0.000
4.7000	0.001	244.3	0.000
4.8000	0.002	242.0	0.000
4.9000	0.002	238.9	0.000
5.0000	0.003	234.3	0.000
5.1000	-0.001	232.6	0.000
5.2000	-0.003	236.8	0.000
5.3000	-0.002	241.6	0.000
5.4000	-0.002	245.0	0.000
5.5000	-0.002	249.3	0.000
5.6000	-0.002	252.5	0.000
5.7000	-0.001	254.9	0.000
5.8000	-0.002	257.2	0.000
5.9000	-0.001	259.5	0.000
6.0000	-0.001	261.8	0.000
6.1000	-0.002	264.8	0.000
6.2000	-0.001	267.7	0.000
6.3000	0.001	267.6	0.000
6.4000	0.002	264.5	0.000
6.5000	0.002	260.9	0.000
6.6000	0.004	256.3	0.000
6.7000	-0.001	251.4	0.000
6.8000	0.001	250.6	0.000
6.9000	0.001	249.7	0.000



7.0000	0.001	248.1	0.000
7.1000	0.000	247.2	0.000
7.2000	0.001	246.3	0.000
7.3000	0.000	245.3	0.000
7.4000	-0.001	245.4	0.000
7.5000	-0.002	247.7	0.000
7.6000	-0.002	251.2	0.000
7.7000	-0.001	254.1	0.000
7.8000	-0.005	262.3	0.000
7.9000	-0.001	267.9	0.000
8.0000	-0.002	271.4	0.000
8.1000	-0.002	274.8	0.000
8.2000	-0.002	278.1	0.000
8.3000	-0.002	281.0	0.000
8.4000	-0.001	283.7	0.000
8.5000	-0.001	285.8	0.000
8.6000	-0.001	287.7	0.000
8.7000	0.000	288.6	0.000
8.8000	-0.001	289.5	0.000
8.9000	0.004	287.5	0.000
9.0000	0.001	282.4	0.000
9.1000	-0.001	281.9	0.000
9.2000	0.000	282.8	0.000
9.3000	0.001	283.6	0.000
9.4000	0.001	282.8	0.000
9.5000	0.000	282.6	0.000
9.6000	0.000	283.0	0.000
9.7000	0.000	283.5	0.000
9.8000	-0.001	284.2	0.000
9.9000	0.000	284.9	0.000
10.000	-0.002	286.6	0.000
10.100	-0.004	292.4	0.000
10.200	-0.002	297.4	0.000
10.300	-0.002	299.8	0.000
10.400	0.000	301.1	0.000
10.500	-0.001	303.6	0.000
10.600	-0.003	306.2	0.000
10.700	-0.002	309.4	0.000
10.800	-0.002	312.8	0.000
10.900	-0.001	315.5	0.000
11.000	-0.001	318.1	0.000
11.100	-0.001	320.5	0.000
11.200	0.001	320.3	0.000
11.300	0.001	318.0	0.000
11.400	0.000	317.7	0.000
11.500	-0.001	319.1	0.000
11.600	0.002	318.9	0.000
11.700	0.000	318.9	0.000
11.800	0.001	318.0	0.000
11.900	0.000	317.7	0.000
12.000	-0.001	318.1	0.000
12.100	0.000	318.5	0.000
12.200	0.000	318.3	0.000

12.300	-0.001	319.4	0.000
12.400	-0.002	322.3	0.000
12.500	-0.001	325.6	0.000
12.600	0.000	326.8	0.000
12.700	-0.002	328.5	0.000
12.800	-0.001	332.2	0.000
12.900	-0.001	333.4	0.000
13.000	-0.001	335.6	0.000
13.100	0.000	337.4	0.000
13.200	0.000	338.9	0.000
13.300	0.000	339.7	0.000
13.400	0.000	340.5	0.000
13.500	0.001	340.3	0.000
13.600	0.001	338.9	0.000
13.700	0.000	337.7	0.000
13.800	0.001	337.3	0.000
13.900	0.002	334.0	0.000
14.000	0.000	331.9	0.000
14.100	0.001	330.9	0.000
14.200	-0.001	329.4	0.000
14.300	0.002	327.8	0.000
14.400	0.002	325.7	0.000
14.500	0.000	323.9	0.000
14.600	0.000	322.0	0.000
14.700	0.000	321.8	0.000
14.800	0.000	321.7	0.000
14.900	0.001	320.5	0.000
15.000	-0.001	320.5	0.000
15.100	0.000	321.4	0.000
15.200	0.001	319.2	0.000
15.300	0.001	317.0	0.000
15.400	0.000	315.0	0.000
15.500	0.002	314.6	0.000
15.600	0.001	313.7	0.000
15.700	0.002	311.5	0.000
15.800	0.002	309.0	0.000
15.900	0.001	306.0	0.000
16.000	0.001	303.8	0.000
16.100	0.002	300.7	0.000
16.200	0.003	296.3	0.000
16.300	0.000	293.8	0.000
16.400	0.000	293.4	0.000
16.500	0.001	292.6	0.000
16.600	0.002	289.6	0.000
16.700	0.002	287.6	0.000
16.800	0.001	284.7	0.000
16.900	0.000	283.6	0.000
17.000	0.001	283.3	0.000
17.100	0.001	282.4	0.000
17.200	0.001	281.1	0.000
17.300	0.000	281.0	0.000
17.400	0.000	280.9	0.000
17.500	0.002	279.1	0.000

17.600	0.001	276.5	0.000
17.700	-0.001	276.6	0.000
17.800	0.001	276.6	0.000
17.900	-0.001	276.3	0.000
18.000	0.001	276.1	0.000
18.100	-0.001	273.9	0.000
18.200	0.001	272.9	0.000
18.300	0.001	272.4	0.000
18.400	0.000	271.8	0.000
18.500	0.001	269.6	0.000
18.600	0.000	268.4	0.000
18.700	-0.001	269.6	0.000
18.800	0.001	269.2	0.000
18.900	0.001	267.1	0.000
19.000	0.000	266.6	0.000
19.100	0.000	265.3	0.000
19.200	-0.001	266.1	0.000
19.300	0.000	265.7	0.000
19.400	0.001	265.6	0.000
19.500	0.001	265.4	0.000
19.600	0.000	265.0	0.000
19.700	0.000	266.0	0.000
19.800	0.000	265.2	0.000
19.900	0.000	264.3	0.000
20.000	-0.001	265.3	0.000
20.100	0.001	265.0	0.000
20.200	0.000	264.3	0.000
20.300	0.001	264.0	0.000
20.400	-0.001	264.2	0.000
20.500	0.000	264.8	0.000
20.600	0.000	265.0	0.000
20.700	0.000	265.0	0.000
20.800	0.000	263.9	0.000
20.900	0.000	263.7	0.000
21.000	0.000	264.5	0.000
21.100	0.000	264.5	0.000
21.200	0.000	264.1	0.000
21.300	0.000	264.9	0.000
21.400	0.000	265.3	0.000
21.500	0.001	265.3	0.000
21.600	0.000	264.6	0.000
21.700	0.000	264.6	0.000
21.800	-0.001	264.7	0.000
21.900	-0.001	266.6	0.000
22.000	-0.002	267.6	0.000
22.100	0.001	267.5	0.000
22.200	0.000	268.0	0.000
22.300	-0.001	269.6	0.000
22.400	0.000	269.9	0.000
22.500	0.000	269.3	0.000
22.600	-0.001	270.5	0.000
22.700	-0.001	273.0	0.000
22.800	-0.001	274.0	0.000

22.900	-0.001	275.0	0.000
23.000	0.001	274.0	0.000
23.100	-0.001	274.2	0.000
23.200	-0.001	274.9	0.000
23.300	0.000	276.9	0.000
23.400	0.000	277.8	0.000
23.500	0.000	277.9	0.000
23.600	-0.001	280.2	0.000
23.700	-0.001	281.8	0.000
23.800	0.000	281.3	0.000
23.900	-0.001	282.2	0.000
24.000	0.000	283.6	0.000
24.100	-0.002	285.5	0.000
24.200	0.000	288.1	0.000
24.300	-0.001	289.3	0.000
24.400	-0.001	290.1	0.000
24.500	-0.001	290.4	0.000
24.600	-0.002	292.7	0.000
24.700	-0.001	293.6	0.000
24.800	0.000	293.8	0.000
24.900	-0.001	295.1	0.000
25.000	-0.001	297.3	0.000
25.100	0.000	298.0	0.000
25.200	0.000	298.7	0.000
25.300	0.000	298.1	0.000
25.400	-0.001	299.3	0.000
25.500	-0.001	300.6	0.000
25.600	-0.001	302.2	0.000
25.700	0.000	302.2	0.000
25.800	-0.001	302.4	0.000
25.900	-0.003	303.9	0.000
26.000	0.000	304.9	0.000
26.100	0.000	305.3	0.000
26.200	-0.001	306.5	0.000
26.300	-0.001	308.1	0.000
26.400	-0.001	309.6	0.000
26.500	0.000	310.6	0.000
26.600	-0.001	311.4	0.000
26.700	0.000	312.2	0.000
26.800	-0.002	314.0	0.000
26.900	0.000	315.7	0.000
27.000	0.000	316.7	0.000
27.100	-0.001	316.6	0.000
27.200	0.000	317.7	0.000
27.300	0.000	318.7	0.000
27.400	0.001	318.6	0.000
27.500	0.000	318.7	0.000
27.600	-0.001	319.5	0.000
27.700	0.000	319.6	0.000
27.800	-0.001	319.8	0.000
27.900	0.001	319.8	0.000
28.000	0.000	318.3	0.000
28.100	0.000	318.5	0.000

28.200	-0.001	319.1	0.000
28.300	0.000	319.7	0.000
28.400	0.001	319.0	0.000
28.500	-0.001	318.8	0.000
28.600	-0.001	319.2	0.000
28.700	0.001	318.8	0.000
28.800	0.000	317.8	0.000
28.900	0.000	318.2	0.000
29.000	0.000	318.0	0.000
29.100	0.000	319.2	0.000
29.200	0.001	318.4	0.000
29.300	0.001	317.2	0.000
29.400	0.001	315.1	0.000
29.500	-0.001	314.9	0.000
29.600	0.001	315.0	0.000
29.700	0.001	313.2	0.000
29.800	-0.001	311.6	0.000
29.900	0.000	311.0	0.000
30.000	0.001	309.5	0.000

\*\* History for selected times at end point P-4:J-1\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	0.507	293.6	0.000
0.1000	0.495	289.7	0.000
0.2000	0.476	283.5	0.000
0.3000	0.458	277.5	0.000
0.4000	0.441	272.1	0.000
0.5000	0.426	267.0	0.000
0.6000	0.412	262.4	0.000
0.7000	0.399	258.1	0.000
0.8000	0.387	254.1	0.000
0.9000	0.375	250.5	0.000
1.0000	0.365	247.0	0.000
1.1000	0.355	243.8	0.000
1.2000	0.340	243.8	0.000
1.3000	0.314	245.3	0.000
1.4000	0.285	245.9	0.000
1.5000	0.253	244.7	0.000
1.6000	0.225	243.6	0.000
1.7000	0.197	241.9	0.000
1.8000	0.172	240.0	0.000
1.9000	0.152	238.6	0.000
2.0000	0.133	237.2	0.000
2.1000	0.114	235.0	0.000
2.2000	0.097	233.2	0.000
2.3000	0.084	231.5	0.000
2.4000	0.072	230.9	0.000
2.5000	0.056	230.7	0.000
2.6000	0.035	230.7	0.000

2.7000	0.014	230.1	0.000
2.8000	-0.006	230.1	0.000
2.9000	-0.003	237.0	0.000
3.0000	-0.002	241.8	0.000
3.1000	-0.002	245.8	0.000
3.2000	-0.002	250.1	0.000
3.3000	-0.002	253.9	0.000
3.4000	-0.001	256.9	0.000
3.5000	-0.001	258.8	0.000
3.6000	-0.001	260.7	0.000
3.7000	-0.002	263.7	0.000
3.8000	-0.002	267.3	0.000
3.9000	-0.002	273.6	0.000
4.0000	0.004	271.3	0.000
4.1000	0.003	265.8	0.000
4.2000	0.002	261.0	0.000
4.3000	0.003	256.5	0.000
4.4000	0.002	252.3	0.000
4.5000	0.002	248.8	0.000
4.6000	0.001	246.2	0.000
4.7000	0.001	244.3	0.000
4.8000	0.002	242.0	0.000
4.9000	0.002	238.9	0.000
5.0000	0.003	234.3	0.000
5.1000	-0.001	232.6	0.000
5.2000	-0.003	236.8	0.000
5.3000	-0.002	241.6	0.000
5.4000	-0.002	245.0	0.000
5.5000	-0.002	249.3	0.000
5.6000	-0.002	252.5	0.000
5.7000	-0.001	254.9	0.000
5.8000	-0.002	257.2	0.000
5.9000	-0.001	259.5	0.000
6.0000	-0.001	261.8	0.000
6.1000	-0.002	264.8	0.000
6.2000	-0.001	267.7	0.000
6.3000	0.001	267.6	0.000
6.4000	0.002	264.5	0.000
6.5000	0.002	260.9	0.000
6.6000	0.004	256.3	0.000
6.7000	-0.001	251.4	0.000
6.8000	0.001	250.6	0.000
6.9000	0.001	249.7	0.000
7.0000	0.001	248.1	0.000
7.1000	0.000	247.2	0.000
7.2000	0.001	246.3	0.000
7.3000	0.000	245.3	0.000
7.4000	-0.001	245.4	0.000
7.5000	-0.002	247.7	0.000
7.6000	-0.002	251.2	0.000
7.7000	-0.001	254.1	0.000
7.8000	-0.005	262.3	0.000
7.9000	-0.001	267.9	0.000

8.0000	-0.002	271.4	0.000
8.1000	-0.002	274.8	0.000
8.2000	-0.002	278.1	0.000
8.3000	-0.002	281.0	0.000
8.4000	-0.001	283.7	0.000
8.5000	-0.001	285.8	0.000
8.6000	-0.001	287.7	0.000
8.7000	0.000	288.6	0.000
8.8000	-0.001	289.5	0.000
8.9000	0.004	287.5	0.000
9.0000	0.001	282.4	0.000
9.1000	-0.001	281.9	0.000
9.2000	0.000	282.8	0.000
9.3000	0.001	283.6	0.000
9.4000	0.001	282.8	0.000
9.5000	0.000	282.6	0.000
9.6000	0.000	283.0	0.000
9.7000	0.000	283.5	0.000
9.8000	-0.001	284.2	0.000
9.9000	0.000	284.9	0.000
10.000	-0.002	286.6	0.000
10.100	-0.004	292.4	0.000
10.200	-0.002	297.4	0.000
10.300	-0.002	299.8	0.000
10.400	0.000	301.1	0.000
10.500	-0.001	303.6	0.000
10.600	-0.003	306.2	0.000
10.700	-0.002	309.4	0.000
10.800	-0.002	312.8	0.000
10.900	-0.001	315.5	0.000
11.000	-0.001	318.1	0.000
11.100	-0.001	320.5	0.000
11.200	0.001	320.3	0.000
11.300	0.001	318.0	0.000
11.400	0.000	317.7	0.000
11.500	-0.001	319.1	0.000
11.600	0.003	318.9	0.000
11.700	0.000	318.9	0.000
11.800	0.001	318.0	0.000
11.900	0.000	317.7	0.000
12.000	-0.001	318.1	0.000
12.100	0.000	318.5	0.000
12.200	0.000	318.3	0.000
12.300	-0.001	319.4	0.000
12.400	-0.002	322.3	0.000
12.500	-0.001	325.6	0.000
12.600	0.000	326.8	0.000
12.700	-0.002	328.5	0.000
12.800	-0.001	332.2	0.000
12.900	-0.001	333.4	0.000
13.000	-0.001	335.6	0.000
13.100	0.000	337.4	0.000
13.200	0.000	338.9	0.000

13.300	0.000	339.7	0.000
13.400	0.000	340.5	0.000
13.500	0.001	340.3	0.000
13.600	0.001	338.9	0.000
13.700	0.000	337.7	0.000
13.800	0.001	337.3	0.000
13.900	0.002	334.0	0.000
14.000	0.000	331.9	0.000
14.100	0.001	330.9	0.000
14.200	-0.001	329.4	0.000
14.300	0.002	327.8	0.000
14.400	0.002	325.7	0.000
14.500	0.000	323.9	0.000
14.600	0.000	322.0	0.000
14.700	0.000	321.8	0.000
14.800	0.000	321.7	0.000
14.900	0.001	320.5	0.000
15.000	-0.001	320.5	0.000
15.100	0.000	321.4	0.000
15.200	0.001	319.2	0.000
15.300	0.001	317.0	0.000
15.400	0.000	315.0	0.000
15.500	0.002	314.6	0.000
15.600	0.001	313.7	0.000
15.700	0.002	311.5	0.000
15.800	0.002	309.0	0.000
15.900	0.001	306.0	0.000
16.000	0.001	303.8	0.000
16.100	0.002	300.7	0.000
16.200	0.003	296.3	0.000
16.300	0.000	293.8	0.000
16.400	0.000	293.4	0.000
16.500	0.001	292.6	0.000
16.600	0.002	289.6	0.000
16.700	0.002	287.6	0.000
16.800	0.001	284.7	0.000
16.900	0.000	283.6	0.000
17.000	0.001	283.3	0.000
17.100	0.001	282.4	0.000
17.200	0.001	281.1	0.000
17.300	0.000	281.0	0.000
17.400	0.000	280.9	0.000
17.500	0.002	279.1	0.000
17.600	0.001	276.5	0.000
17.700	-0.001	276.6	0.000
17.800	0.001	276.6	0.000
17.900	-0.001	276.3	0.000
18.000	0.001	276.1	0.000
18.100	-0.001	273.9	0.000
18.200	0.001	272.9	0.000
18.300	0.001	272.4	0.000
18.400	0.000	271.8	0.000
18.500	0.001	269.6	0.000



18.600	0.000	268.4	0.000
18.700	-0.001	269.6	0.000
18.800	0.001	269.2	0.000
18.900	0.001	267.1	0.000
19.000	0.000	266.6	0.000
19.100	0.000	265.3	0.000
19.200	-0.001	266.1	0.000
19.300	0.000	265.7	0.000
19.400	0.001	265.6	0.000
19.500	0.001	265.4	0.000
19.600	0.000	265.0	0.000
19.700	0.000	266.0	0.000
19.800	0.000	265.2	0.000
19.900	0.000	264.3	0.000
20.000	-0.001	265.3	0.000
20.100	0.001	265.0	0.000
20.200	0.000	264.3	0.000
20.300	0.001	264.0	0.000
20.400	-0.001	264.2	0.000
20.500	0.000	264.8	0.000
20.600	0.000	265.0	0.000
20.700	0.000	265.0	0.000
20.800	0.000	263.9	0.000
20.900	0.000	263.7	0.000
21.000	0.000	264.5	0.000
21.100	0.000	264.5	0.000
21.200	0.000	264.1	0.000
21.300	0.000	264.9	0.000
21.400	0.000	265.3	0.000
21.500	0.001	265.3	0.000
21.600	0.000	264.6	0.000
21.700	0.000	264.6	0.000
21.800	-0.001	264.7	0.000
21.900	-0.001	266.6	0.000
22.000	-0.002	267.6	0.000
22.100	0.001	267.5	0.000
22.200	0.000	268.0	0.000
22.300	-0.001	269.6	0.000
22.400	0.000	269.9	0.000
22.500	0.000	269.3	0.000
22.600	-0.001	270.5	0.000
22.700	-0.001	273.0	0.000
22.800	-0.001	274.0	0.000
22.900	-0.001	275.0	0.000
23.000	0.001	274.0	0.000
23.100	-0.001	274.2	0.000
23.200	-0.001	274.9	0.000
23.300	0.000	276.9	0.000
23.400	0.000	277.8	0.000
23.500	0.000	277.9	0.000
23.600	-0.001	280.2	0.000
23.700	-0.001	281.8	0.000
23.800	0.000	281.3	0.000

23.900	-0.001	282.2	0.000
24.000	0.000	283.6	0.000
24.100	-0.002	285.5	0.000
24.200	0.000	288.1	0.000
24.300	-0.001	289.3	0.000
24.400	-0.001	290.1	0.000
24.500	-0.001	290.4	0.000
24.600	-0.002	292.7	0.000
24.700	-0.001	293.6	0.000
24.800	0.000	293.8	0.000
24.900	-0.001	295.1	0.000
25.000	-0.001	297.3	0.000
25.100	0.000	298.0	0.000
25.200	0.000	298.7	0.000
25.300	0.000	298.1	0.000
25.400	-0.001	299.3	0.000
25.500	-0.001	300.6	0.000
25.600	-0.001	302.2	0.000
25.700	0.000	302.2	0.000
25.800	-0.001	302.4	0.000
25.900	-0.003	303.9	0.000
26.000	0.000	304.9	0.000
26.100	0.000	305.3	0.000
26.200	-0.001	306.5	0.000
26.300	-0.001	308.1	0.000
26.400	-0.001	309.6	0.000
26.500	0.000	310.6	0.000
26.600	-0.001	311.4	0.000
26.700	0.000	312.2	0.000
26.800	-0.002	314.0	0.000
26.900	0.000	315.7	0.000
27.000	0.000	316.7	0.000
27.100	-0.001	316.6	0.000
27.200	0.000	317.7	0.000
27.300	0.000	318.7	0.000
27.400	0.001	318.6	0.000
27.500	0.000	318.7	0.000
27.600	-0.001	319.5	0.000
27.700	0.000	319.6	0.000
27.800	-0.001	319.8	0.000
27.900	0.001	319.8	0.000
28.000	0.000	318.3	0.000
28.100	0.000	318.5	0.000
28.200	-0.001	319.1	0.000
28.300	0.000	319.7	0.000
28.400	0.001	319.0	0.000
28.500	-0.001	318.8	0.000
28.600	-0.001	319.2	0.000
28.700	0.001	318.8	0.000
28.800	0.000	317.8	0.000
28.900	0.000	318.2	0.000
29.000	0.000	318.0	0.000
29.100	0.000	319.2	0.000

29.200	0.001	318.4	0.000
29.300	0.001	317.2	0.000
29.400	0.001	315.1	0.000
29.500	-0.001	314.9	0.000
29.600	0.001	315.0	0.000
29.700	0.001	313.2	0.000
29.800	-0.001	311.6	0.000
29.900	0.000	311.0	0.000
30.000	0.001	309.5	0.000

\*\* History for selected times at end point P-4:PMP-1\*\*

Time (s) -----	Flow (cms) -----	Head (m) -----	Volume (m3) -----
0.0000	0.507	293.9	0.000
0.1000	0.492	287.0	0.000
0.2000	0.473	280.6	0.000
0.3000	0.455	274.9	0.000
0.4000	0.438	269.7	0.000
0.5000	0.423	264.8	0.000
0.6000	0.409	260.4	0.000
0.7000	0.396	256.2	0.000
0.8000	0.384	252.4	0.000
0.9000	0.373	248.8	0.000
1.0000	0.363	245.5	0.000
1.1000	0.354	242.4	0.000
1.2000	0.340	240.6	0.000
1.3000	0.315	240.7	0.000
1.4000	0.285	240.8	0.000
1.5000	0.253	239.8	0.000
1.6000	0.224	239.3	0.000
1.7000	0.196	237.6	0.000
1.8000	0.172	236.4	0.000
1.9000	0.151	235.7	0.000
2.0000	0.132	234.0	0.000
2.1000	0.113	232.2	0.000
2.2000	0.097	230.8	0.000
2.3000	0.083	229.6	0.000
2.4000	0.072	228.8	0.000
2.5000	0.056	227.7	0.000
2.6000	0.035	227.2	0.000
2.7000	0.013	226.9	0.000
2.8000	0.000	230.1	0.000
2.9000	0.000	237.0	0.000
3.0000	0.000	241.9	0.000
3.1000	0.000	245.7	0.000
3.2000	0.000	250.2	0.000
3.3000	0.000	254.0	0.000
3.4000	0.000	256.9	0.000
3.5000	0.000	258.8	0.000
3.6000	0.000	260.6	0.000

3.7000	0.000	263.6	0.000
3.8000	0.000	267.3	0.000
3.9000	0.000	275.1	0.000
4.0000	0.000	271.6	0.000
4.1000	0.000	265.9	0.000
4.2000	0.000	261.0	0.000
4.3000	0.000	256.5	0.000
4.4000	0.000	252.2	0.000
4.5000	0.000	248.8	0.000
4.6000	0.000	246.2	0.000
4.7000	0.000	244.3	0.000
4.8000	0.000	242.0	0.000
4.9000	0.000	239.0	0.000
5.0000	0.000	234.2	0.000
5.1000	0.000	232.2	0.000
5.2000	0.000	236.4	0.000
5.3000	0.000	241.5	0.000
5.4000	0.000	245.0	0.000
5.5000	0.000	249.5	0.000
5.6000	0.000	252.5	0.000
5.7000	0.000	254.9	0.000
5.8000	0.000	257.3	0.000
5.9000	0.000	259.5	0.000
6.0000	0.000	261.7	0.000
6.1000	0.000	264.7	0.000
6.2000	0.000	267.9	0.000
6.3000	0.000	267.8	0.000
6.4000	0.000	264.4	0.000
6.5000	0.000	260.7	0.000
6.6000	0.000	258.0	0.000
6.7000	0.000	251.6	0.000
6.8000	0.000	250.4	0.000
6.9000	0.000	249.8	0.000
7.0000	0.000	248.1	0.000
7.1000	0.000	247.2	0.000
7.2000	0.000	246.3	0.000
7.3000	0.000	245.3	0.000
7.4000	0.000	245.3	0.000
7.5000	0.000	247.6	0.000
7.6000	0.000	251.3	0.000
7.7000	0.000	254.0	0.000
7.8000	0.000	263.5	0.000
7.9000	0.000	268.0	0.000
8.0000	0.000	271.6	0.000
8.1000	0.000	274.8	0.000
8.2000	0.000	278.1	0.000
8.3000	0.000	281.0	0.000
8.4000	0.000	283.7	0.000
8.5000	0.000	285.8	0.000
8.6000	0.000	287.8	0.000
8.7000	0.000	288.6	0.000
8.8000	0.000	289.6	0.000
8.9000	0.000	287.6	0.000

9.0000	0.000	281.8	0.000
9.1000	0.000	281.6	0.000
9.2000	0.000	282.8	0.000
9.3000	0.000	283.6	0.000
9.4000	0.000	282.7	0.000
9.5000	0.000	282.6	0.000
9.6000	0.000	283.1	0.000
9.7000	0.000	283.6	0.000
9.8000	0.000	284.1	0.000
9.9000	0.000	285.0	0.000
10.000	0.000	286.3	0.000
10.100	0.000	292.3	0.000
10.200	0.000	297.5	0.000
10.300	0.000	299.5	0.000
10.400	0.000	301.0	0.000
10.500	0.000	304.5	0.000
10.600	0.000	306.6	0.000
10.700	0.000	309.2	0.000
10.800	0.000	313.0	0.000
10.900	0.000	315.5	0.000
11.000	0.000	318.1	0.000
11.100	0.000	320.6	0.000
11.200	0.000	320.4	0.000
11.300	0.000	317.9	0.000
11.400	0.000	317.6	0.000
11.500	0.000	319.2	0.000
11.600	0.000	319.0	0.000
11.700	0.000	319.5	0.000
11.800	0.000	318.0	0.000
11.900	0.000	317.9	0.000
12.000	0.000	318.1	0.000
12.100	0.000	318.6	0.000
12.200	0.000	318.2	0.000
12.300	0.000	319.3	0.000
12.400	0.000	322.3	0.000
12.500	0.000	325.6	0.000
12.600	0.000	327.0	0.000
12.700	0.000	328.0	0.000
12.800	0.000	332.3	0.000
12.900	0.000	332.9	0.000
13.000	0.000	335.5	0.000
13.100	0.000	337.0	0.000
13.200	0.000	338.8	0.000
13.300	0.000	339.5	0.000
13.400	0.000	340.5	0.000
13.500	0.000	340.4	0.000
13.600	0.000	338.9	0.000
13.700	0.000	337.7	0.000
13.800	0.000	337.6	0.000
13.900	0.000	333.7	0.000
14.000	0.000	331.7	0.000
14.100	0.000	330.9	0.000
14.200	0.000	328.9	0.000

14.300	0.000	327.5	0.000
14.400	0.000	326.3	0.000
14.500	0.000	324.3	0.000
14.600	0.000	321.8	0.000
14.700	0.000	321.7	0.000
14.800	0.000	321.8	0.000
14.900	0.000	320.4	0.000
15.000	0.000	320.4	0.000
15.100	0.000	321.5	0.000
15.200	0.000	319.1	0.000
15.300	0.000	317.3	0.000
15.400	0.000	314.6	0.000
15.500	0.000	314.1	0.000
15.600	0.000	314.0	0.000
15.700	0.000	311.4	0.000
15.800	0.000	309.4	0.000
15.900	0.000	306.1	0.000
16.000	0.000	303.8	0.000
16.100	0.000	300.8	0.000
16.200	0.000	296.1	0.000
16.300	0.000	293.6	0.000
16.400	0.000	293.4	0.000
16.500	0.000	292.9	0.000
16.600	0.000	289.2	0.000
16.700	0.000	287.2	0.000
16.800	0.000	284.5	0.000
16.900	0.000	282.9	0.000
17.000	0.000	282.7	0.000
17.100	0.000	282.2	0.000
17.200	0.000	280.9	0.000
17.300	0.000	280.9	0.000
17.400	0.000	281.1	0.000
17.500	0.000	279.2	0.000
17.600	0.000	276.4	0.000
17.700	0.000	276.4	0.000
17.800	0.000	276.5	0.000
17.900	0.000	276.4	0.000
18.000	0.000	276.3	0.000
18.100	0.000	273.6	0.000
18.200	0.000	272.4	0.000
18.300	0.000	272.7	0.000
18.400	0.000	272.4	0.000
18.500	0.000	269.5	0.000
18.600	0.000	268.2	0.000
18.700	0.000	269.7	0.000
18.800	0.000	269.4	0.000
18.900	0.000	266.8	0.000
19.000	0.000	266.8	0.000
19.100	0.000	265.1	0.000
19.200	0.000	266.6	0.000
19.300	0.000	265.1	0.000
19.400	0.000	265.2	0.000
19.500	0.000	265.3	0.000

19.600	0.000	264.9	0.000
19.700	0.000	266.4	0.000
19.800	0.000	265.4	0.000
19.900	0.000	264.1	0.000
20.000	0.000	265.3	0.000
20.100	0.000	265.0	0.000
20.200	0.000	264.3	0.000
20.300	0.000	264.1	0.000
20.400	0.000	264.2	0.000
20.500	0.000	264.1	0.000
20.600	0.000	264.8	0.000
20.700	0.000	265.0	0.000
20.800	0.000	263.2	0.000
20.900	0.000	263.2	0.000
21.000	0.000	264.3	0.000
21.100	0.000	264.4	0.000
21.200	0.000	263.9	0.000
21.300	0.000	265.1	0.000
21.400	0.000	265.4	0.000
21.500	0.000	265.4	0.000
21.600	0.000	264.4	0.000
21.700	0.000	264.7	0.000
21.800	0.000	264.5	0.000
21.900	0.000	267.0	0.000
22.000	0.000	267.4	0.000
22.100	0.000	267.2	0.000
22.200	0.000	268.2	0.000
22.300	0.000	270.0	0.000
22.400	0.000	270.0	0.000
22.500	0.000	269.0	0.000
22.600	0.000	270.4	0.000
22.700	0.000	273.1	0.000
22.800	0.000	274.1	0.000
22.900	0.000	275.4	0.000
23.000	0.000	274.0	0.000
23.100	0.000	274.7	0.000
23.200	0.000	274.6	0.000
23.300	0.000	276.3	0.000
23.400	0.000	277.9	0.000
23.500	0.000	277.8	0.000
23.600	0.000	280.5	0.000
23.700	0.000	282.2	0.000
23.800	0.000	281.1	0.000
23.900	0.000	282.2	0.000
24.000	0.000	283.7	0.000
24.100	0.000	285.4	0.000
24.200	0.000	288.3	0.000
24.300	0.000	289.1	0.000
24.400	0.000	289.8	0.000
24.500	0.000	290.5	0.000
24.600	0.000	292.8	0.000
24.700	0.000	293.2	0.000
24.800	0.000	293.3	0.000

24.900	0.000	294.7	0.000
25.000	0.000	297.3	0.000
25.100	0.000	297.9	0.000
25.200	0.000	299.0	0.000
25.300	0.000	297.9	0.000
25.400	0.000	299.3	0.000
25.500	0.000	300.4	0.000
25.600	0.000	302.5	0.000
25.700	0.000	302.4	0.000
25.800	0.000	302.8	0.000
25.900	0.000	303.9	0.000
26.000	0.000	304.9	0.000
26.100	0.000	305.4	0.000
26.200	0.000	306.6	0.000
26.300	0.000	308.1	0.000
26.400	0.000	309.4	0.000
26.500	0.000	310.5	0.000
26.600	0.000	311.4	0.000
26.700	0.000	312.5	0.000
26.800	0.000	314.1	0.000
26.900	0.000	316.1	0.000
27.000	0.000	317.4	0.000
27.100	0.000	316.2	0.000
27.200	0.000	317.4	0.000
27.300	0.000	318.9	0.000
27.400	0.000	318.5	0.000
27.500	0.000	319.0	0.000
27.600	0.000	319.8	0.000
27.700	0.000	319.6	0.000
27.800	0.000	319.8	0.000
27.900	0.000	320.1	0.000
28.000	0.000	318.1	0.000
28.100	0.000	318.6	0.000
28.200	0.000	319.1	0.000
28.300	0.000	319.9	0.000
28.400	0.000	319.0	0.000
28.500	0.000	319.0	0.000
28.600	0.000	318.9	0.000
28.700	0.000	318.5	0.000
28.800	0.000	317.4	0.000
28.900	0.000	318.4	0.000
29.000	0.000	317.9	0.000
29.100	0.000	319.5	0.000
29.200	0.000	318.2	0.000
29.300	0.000	317.1	0.000
29.400	0.000	315.3	0.000
29.500	0.000	315.0	0.000
29.600	0.000	315.4	0.000
29.700	0.000	313.8	0.000
29.800	0.000	311.9	0.000
29.900	0.000	311.0	0.000
30.000	0.000	309.5	0.000



\*\*\* Pipes \*\*\*

The number of pipes is 28

Pipe	No. of Points	From Point	To Point	Length (m)
----	-----	-----	-----	-----
P-1	2	P-1:R-4	P-1:PMP-1	1.0
P-2	2	P-2:R-4	P-2:PMP-2	1.0
P-3	2	P-3:R-4	P-3:PMP-3	1.0
P-4	4	P-4:PMP-1	P-4:J-1	25.0
P-5	4	P-5:PMP-2	P-5:J-1	25.0
P-6	4	P-6:PMP-3	P-6:J-1	25.0
P-7	32	P-7:J-1	P-7:J-2	233.8
P-8	23	P-8:J-2	P-8:J-3	163.3
P-9	6	P-9:J-3	P-9:J-4	37.8
P-10	4	P-10:J-4	P-10:J-5	18.0
P-11	7	P-11:J-5	P-11:J-6	45.5
P-12	6	P-12:J-6	P-12:J-7	35.3
P-13	13	P-13:J-7	P-13:J-8	88.7
P-14	9	P-14:J-8	P-14:J-9	62.3
P-15	7	P-15:J-9	P-15:J-10	46.1
P-16	7	P-16:J-10	P-16:J-11	46.0
P-17	8	P-17:J-11	P-17:J-12	53.7
P-18	8	P-18:J-12	P-18:J-13	51.8
P-19	17	P-19:J-13	P-19:J-14	116.3
P-20	18	P-20:J-14	P-20:J-15	124.7
P-21	6	P-21:J-15	P-21:J-16	32.8
P-22	10	P-22:J-16	P-22:J-17	63.4
P-23	9	P-23:J-17	P-23:J-18	57.2
P-24	7	P-24:J-18	P-24:J-19	42.7
P-25	7	P-25:J-19	P-25:J-20	40.6
P-26	4	P-26:J-20	P-26:J-21	18.2
P-27	2	P-27:J-21	P-27:R-5	5.0
P-28	2	P-28:HT-1	P-28:J-3	5.0

\*\*\* Extreme Heads for Pipes \*\*\*

Head Point (m3)	Max Vol (m)	Vap Press	Distance (m)	Elevation (m)	Init Head (m)	Max Head (m)	Min (m)
-----	-----		-----	-----	-----	-----	-----
+ P-1:R-4			0.000	178.000	178.000	178.000	
178.000	0.000 0		-10.0	9			
P-1:PMP-1			1.000	177.200	177.990	179.770	
177.325	0.000 0		-10.0	10			
+ P-2:R-4			0.000	178.000	178.000	178.000	
178.000	0.000 0		-10.0	9			
P-2:PMP-2			1.000	177.200	177.990	179.770	
177.324	0.000 0		-10.0	10			
+ P-3:R-4			0.000	178.000	178.000	178.000	
178.000	0.000 0		-10.0	9			
P-3:PMP-3			1.000	177.200	177.990	179.770	
177.324	0.000 0		-10.0	11			
+ P-4:PMP-1			0.000	177.200	293.878	340.551	
226.598	0.000 0		-10.0	10			
P-4:33.33%			8.333	184.833	293.796	340.540	
227.642	0.000 0		-10.0	11			
P-4:66.67%			16.667	192.467	293.714	340.508	
228.697	0.000 0		-10.0	12			
P-4:J-1			25.000	200.100	293.632	340.535	
229.798	0.000 0		-10.0	12			
+ P-5:PMP-2			0.000	177.200	293.878	340.546	
226.598	0.000 0		-10.0	10			
P-5:33.33%			8.333	184.833	293.796	340.541	
227.641	0.000 0		-10.0	11			
P-5:66.67%			16.667	192.467	293.714	340.508	
228.697	0.000 0		-10.0	12			
P-5:J-1			25.000	200.100	293.632	340.535	
229.798	0.000 0		-10.0	12			
+ P-6:PMP-3			0.000	177.200	293.878	340.546	
226.598	0.000 0		-10.0	11			
P-6:33.33%			8.333	184.833	293.796	340.541	
227.641	0.000 0		-10.0	11			
P-6:66.67%			16.667	192.467	293.714	340.508	
228.697	0.000 0		-10.0	12			
P-6:J-1			25.000	200.100	293.632	340.535	
229.798	0.000 0		-10.0	12			
+ P-7:J-1			0.000	200.100	293.632	340.535	
229.798	0.000 0		-10.0	12			
P-7:3.23%			7.542	200.115	293.605	340.529	
230.457	0.000 0		-10.0	12			
P-7:6.45%			15.084	200.129	293.579	340.507	
231.103	0.000 0		-10.0	12			
P-7:9.68%			22.626	200.144	293.552	340.470	

231.713	0.000	0	-10.0	12		
P-7:12.90%			30.168	200.158	293.526	340.395
232.295	0.000	0	-10.0	12		
P-7:16.13%			37.710	200.173	293.499	340.290
232.853	0.000	0	-10.0	12		
P-7:19.35%			45.252	200.187	293.473	340.153
233.383	0.000	0	-10.0	12		
P-7:22.58%			52.794	200.202	293.446	340.074
233.882	0.000	0	-10.0	12		
P-7:25.81%			60.335	200.216	293.420	340.058
234.352	0.000	0	-10.0	12		
P-7:29.03%			67.877	200.231	293.393	339.968
234.795	0.000	0	-10.0	12		
P-7:32.26%			75.419	200.245	293.367	339.888
235.210	0.000	0	-10.0	12		
P-7:35.48%			82.961	200.260	293.340	339.759
235.599	0.000	0	-10.0	12		
P-7:38.71%			90.503	200.274	293.314	339.741
235.976	0.000	0	-10.0	12		
P-7:41.94%			98.045	200.289	293.287	339.690
236.363	0.000	0	-10.0	12		
P-7:45.16%			105.587	200.303	293.261	339.592
236.768	0.000	0	-10.0	12		
P-7:48.39%			113.129	200.318	293.234	339.467
237.180	0.000	0	-10.0	12		
P-7:51.61%			120.671	200.332	293.208	339.329
237.596	0.000	0	-10.0	12		
P-7:54.84%			128.213	200.347	293.181	339.191
238.041	0.000	0	-10.0	12		
P-7:58.06%			135.755	200.361	293.155	339.055
238.327	0.000	0	-10.0	12		
P-7:61.29%			143.297	200.376	293.128	338.955
238.513	0.000	0	-10.0	12		
P-7:64.52%			150.839	200.390	293.102	338.843
238.697	0.000	0	-10.0	12		
P-7:67.74%			158.381	200.405	293.075	338.725
238.885	0.000	0	-10.0	12		
P-7:70.97%			165.923	200.419	293.049	338.684
239.084	0.000	0	-10.0	12		
P-7:74.19%			173.465	200.434	293.022	338.634
239.297	0.000	0	-10.0	12		
P-7:77.42%			181.006	200.448	292.996	338.553
239.527	0.000	0	-10.0	12		
P-7:80.65%			188.548	200.463	292.969	338.438
239.776	0.000	0	-10.0	12		
P-7:83.87%			196.090	200.477	292.943	338.369
240.042	0.000	0	-10.0	12		
P-7:87.10%			203.632	200.492	292.916	338.345
240.309	0.000	0	-10.0	12		
P-7:90.32%			211.174	200.506	292.890	338.257
240.594	0.000	0	-10.0	12		
P-7:93.55%			218.716	200.521	292.863	338.130
240.896	0.000	0	-10.0	11		

P-7:96.77%		226.258	200.535	292.837	337.961
241.207	0.000 0	-10.0	11		
P-7:J-2		233.800	200.550	292.810	337.773
241.532	0.000 0	-10.0	11		
+ P-8:J-2		0.000	200.550	292.811	337.773
241.532	0.000 0	-10.0	11		
P-8:4.55%		7.422	200.565	292.785	337.591
241.872	0.000 0	-10.0	11		
P-8:9.09%		14.844	200.579	292.758	337.549
242.232	0.000 0	-10.0	11		
P-8:13.64%		22.265	200.594	292.732	337.434
242.607	0.000 0	-10.0	11		
P-8:18.18%		29.687	200.608	292.706	337.275
242.988	0.000 0	-10.0	11		
P-8:22.73%		37.109	200.623	292.680	337.058
243.384	0.000 0	-10.0	11		
P-8:27.27%		44.531	200.637	292.654	336.772
243.796	0.000 0	-10.0	11		
P-8:31.82%		51.953	200.652	292.628	336.584
244.119	0.000 0	-10.0	11		
P-8:36.36%		59.375	200.666	292.602	336.336
244.330	0.000 0	-10.0	11		
P-8:40.91%		66.796	200.681	292.576	336.141
244.572	0.000 0	-10.0	11		
P-8:45.45%		74.218	200.695	292.550	335.949
244.848	0.000 0	-10.0	11		
P-8:50.00%		81.640	200.710	292.524	335.731
245.141	0.000 0	-10.0	11		
P-8:54.55%		89.062	200.725	292.498	335.396
245.443	0.000 0	-10.0	11		
P-8:59.09%		96.484	200.739	292.472	335.339
245.757	0.000 0	-10.0	11		
P-8:63.64%		103.905	200.754	292.446	335.218
246.091	0.000 0	-10.0	11		
P-8:68.18%		111.327	200.768	292.420	335.071
246.442	0.000 0	-10.0	11		
P-8:72.73%		118.749	200.783	292.394	335.029
246.807	0.000 0	-10.0	11		
P-8:77.27%		126.171	200.797	292.368	334.913
247.183	0.000 0	-10.0	11		
P-8:81.82%		133.593	200.812	292.341	334.755
247.564	0.000 0	-10.0	11		
P-8:86.36%		141.015	200.826	292.315	334.537
247.940	0.000 0	-10.0	11		
P-8:90.91%		148.436	200.841	292.289	334.251
248.307	0.000 0	-10.0	11		
P-8:95.45%		155.858	200.856	292.263	333.952
248.947	0.000 0	-10.0	11		
P-8:J-3		163.280	200.870	292.237	333.771
249.302	0.000 0	-10.0	11		
+ P-9:J-3		0.000	200.870	292.237	333.771
249.302	0.000 0	-10.0	11		
P-9:20.00%		7.560	200.896	292.211	333.295

249.745	0.000	0	-10.0	11		
P-9:40.00%			15.120	200.922	292.184	332.959
250.176	0.000	0	-10.0	10		
P-9:60.00%			22.680	200.948	292.158	332.532
250.603	0.000	0	-10.0	10		
P-9:80.00%			30.240	200.974	292.131	332.179
251.031	0.000	0	-10.0	10		
P-9:J-4			37.800	201.000	292.104	331.766
251.511	0.000	0	-10.0	10		
+ P-10:J-4			0.000	201.000	292.104	331.766
251.511	0.000	0	-10.0	10		
P-10:33.33%			6.000	201.010	292.097	331.354
251.867	0.000	0	-10.0	10		
P-10:66.67%			12.000	201.020	292.090	331.113
252.237	0.000	0	-10.0	9		
P-10:J-5			18.000	201.030	292.083	330.960
252.604	0.000	0	-10.0	9		
+ P-11:J-5			0.000	201.030	292.083	330.960
252.604	0.000	0	-10.0	9		
P-11:16.67%			7.587	201.312	292.075	330.773
252.968	0.000	0	-10.0	9		
P-11:33.33%			15.173	201.593	292.066	330.571
253.338	0.000	0	-10.0	9		
P-11:50.00%			22.760	201.875	292.057	330.365
253.715	0.000	0	-10.0	9		
P-11:66.67%			30.347	202.157	292.048	330.147
254.090	0.000	0	-10.0	8		
P-11:83.33%			37.933	202.438	292.039	329.901
254.473	0.000	0	-10.0	8		
P-11:J-6			45.520	202.720	292.030	329.640
254.857	0.000	0	-10.0	8		
+ P-12:J-6			0.000	202.720	292.030	329.640
254.857	0.000	0	-10.0	8		
P-12:20.00%			7.066	203.056	292.022	329.332
255.106	0.000	0	-10.0	8		
P-12:40.00%			14.132	203.392	292.014	329.028
255.306	0.000	0	-10.0	8		
P-12:60.00%			21.198	203.728	292.006	328.691
255.458	0.000	0	-10.0	8		
P-12:80.00%			28.264	204.064	291.997	328.340
255.605	0.000	0	-10.0	7		
P-12:J-7			35.330	204.400	291.989	327.975
255.738	0.000	0	-10.0	7		
+ P-13:J-7			0.000	204.400	291.989	327.975
255.738	0.000	0	-10.0	7		
P-13:8.33%			7.391	204.990	291.981	327.586
255.874	0.000	0	-10.0	7		
P-13:16.67%			14.782	205.580	291.972	327.206
256.028	0.000	0	-10.0	7		
P-13:25.00%			22.173	206.170	291.963	326.831
256.193	0.000	0	-10.0	7		
P-13:33.33%			29.563	206.760	291.955	326.614
256.235	0.000	0	-10.0	7		

P-13:41.67%	36.954	207.350	291.946	326.359
256.222 0.000 0	-10.0	7		
P-13:50.00%	44.345	207.940	291.938	326.138
256.275 0.000 0	-10.0	7		
P-13:58.33%	51.736	208.530	291.929	325.871
256.356 0.000 0	-10.0	6		
P-13:66.67%	59.127	209.120	291.920	325.577
256.557 0.000 0	-10.0	6		
P-13:75.00%	66.518	209.710	291.912	325.269
256.772 0.000 0	-10.0	6		
P-13:83.33%	73.908	210.300	291.903	325.029
257.007 0.000 0	-10.0	6		
P-13:91.67%	81.299	210.890	291.895	324.855
257.192 0.000 0	-10.0	6		
P-13:J-8	88.690	211.480	291.886	324.660
257.386 0.000 0	-10.0	6		
+ P-14:J-8	0.000	211.480	291.886	324.660
257.386 0.000 0	-10.0	6		
P-14:12.50%	7.789	212.103	291.877	324.448
257.603 0.000 0	-10.0	6		
P-14:25.00%	15.578	212.725	291.868	324.202
257.826 0.000 0	-10.0	6		
P-14:37.50%	23.366	213.348	291.859	323.997
258.070 0.000 0	-10.0	6		
P-14:50.00%	31.155	213.970	291.850	323.778
258.261 0.000 0	-10.0	6		
P-14:62.50%	38.944	214.593	291.841	323.511
258.457 0.000 0	-10.0	5		
P-14:75.00%	46.733	215.215	291.832	323.203
258.658 0.000 0	-10.0	5		
P-14:87.50%	54.521	215.838	291.823	322.866
258.863 0.000 0	-10.0	5		
P-14:J-9	62.310	216.460	291.814	322.516
259.072 0.000 0	-10.0	5		
+ P-15:J-9	0.000	216.460	291.814	322.516
259.072 0.000 0	-10.0	5		
P-15:16.67%	7.683	217.373	291.805	322.142
259.285 0.000 0	-10.0	5		
P-15:33.33%	15.367	218.287	291.796	321.857
259.448 0.000 0	-10.0	5		
P-15:50.00%	23.050	219.200	291.787	321.565
259.587 0.000 0	-10.0	5		
P-15:66.67%	30.733	220.113	291.778	321.254
259.716 0.000 0	-10.0	5		
P-15:83.33%	38.417	221.027	291.769	320.919
259.860 0.000 0	-10.0	5		
P-15:J-10	46.100	221.940	291.760	320.586
260.023 0.000 0	-10.0	4		
+ P-16:J-10	0.000	221.940	291.760	320.586
260.023 0.000 0	-10.0	4		
P-16:16.67%	7.675	222.853	291.751	320.391
260.193 0.000 0	-10.0	4		
P-16:33.33%	15.350	223.767	291.742	320.300

260.365	0.000 0	-10.0	4		
P-16:50.00%		23.025	224.680	291.733	320.197
260.541	0.000 0	-10.0	4		
P-16:66.67%		30.700	225.593	291.724	320.044
260.723	0.000 0	-10.0	4		
P-16:83.33%		38.375	226.507	291.715	319.860
260.911	0.000 0	-10.0	4		
P-16:J-11		46.050	227.420	291.706	319.663
261.105	0.000 0	-10.0	4		
+ P-17:J-11		0.000	227.420	291.706	319.663
261.105	0.000 0	-10.0	4		
P-17:14.29%		7.671	228.701	291.697	319.423
261.306	0.000 0	-10.0	4		
P-17:28.57%		15.343	229.983	291.688	319.119
261.459	0.000 0	-10.0	4		
P-17:42.86%		23.014	231.264	291.679	318.812
261.515	0.000 0	-10.0	4		
P-17:57.14%		30.686	232.546	291.671	318.659
261.667	0.000 0	-10.0	4		
P-17:71.43%		38.357	233.827	291.662	318.462
261.880	0.000 0	-10.0	4		
P-17:85.71%		46.029	235.109	291.653	318.247
262.064	0.000 0	-10.0	4		
P-17:J-12		53.700	236.390	291.644	318.008
262.250	0.000 0	-10.0	4		
+ P-18:J-12		0.000	236.390	291.644	318.008
262.250	0.000 0	-10.0	4		
P-18:14.29%		7.400	237.627	291.635	317.703
262.485	0.000 0	-10.0	4		
P-18:28.57%		14.800	238.864	291.626	317.360
262.821	0.000 0	-10.0	4		
P-18:42.86%		22.200	240.101	291.618	316.978
263.241	0.000 0	-10.0	4		
P-18:57.14%		29.600	241.339	291.609	316.581
263.620	0.000 0	-10.0	4		
P-18:71.43%		37.000	242.576	291.601	316.180
263.814	0.000 0	-10.0	4		
P-18:85.71%		44.400	243.813	291.592	315.811
264.000	0.000 0	-10.0	4		
P-18:J-13		51.800	245.050	291.583	315.448
264.176	0.000 0	-10.0	3		
+ P-19:J-13		0.000	245.050	291.583	315.448
264.176	0.000 0	-10.0	3		
P-19:6.25%		7.271	245.050	291.575	315.151
264.342	0.000 0	-10.0	3		
P-19:12.50%		14.542	245.050	291.566	314.933
264.507	0.000 0	-10.0	3		
P-19:18.75%		21.814	245.050	291.558	314.714
264.677	0.000 0	-10.0	3		
P-19:25.00%		29.085	245.050	291.549	314.459
264.854	0.000 0	-10.0	3		
P-19:31.25%		36.356	245.050	291.541	314.238
265.033	0.000 0	-10.0	3		

P-19:37.50%	43.627	245.050	291.533	313.944
265.214 0.000 0	-10.0	3		
P-19:43.75%	50.899	245.050	291.524	313.717
265.400 0.000 0	-10.0	3		
P-19:50.00%	58.170	245.050	291.516	313.474
265.586 0.000 0	-10.0	3		
P-19:56.25%	65.441	245.050	291.507	313.294
265.552 0.000 0	-10.0	3		
P-19:62.50%	72.712	245.050	291.499	312.943
265.444 0.000 0	-10.0	3		
P-19:68.75%	79.984	245.050	291.490	312.690
265.404 0.000 0	-10.0	3		
P-19:75.00%	87.255	245.050	291.482	312.524
265.443 0.000 0	-10.0	3		
P-19:81.25%	94.526	245.050	291.473	312.301
265.479 0.000 0	-10.0	3		
P-19:87.50%	101.797	245.050	291.465	312.093
265.695 0.000 0	-10.0	3		
P-19:93.75%	109.069	245.050	291.456	311.878
265.930 0.000 0	-10.0	3		
P-19:J-14	116.340	245.050	291.448	311.534
266.303 0.000 0	-10.0	3		
+ P-20:J-14	0.000	245.050	291.448	311.534
266.303 0.000 0	-10.0	3		
P-20:5.88%	7.336	245.050	291.439	311.155
266.721 0.000 0	-10.0	3		
P-20:11.76%	14.673	245.050	291.431	310.732
267.177 0.000 0	-10.0	3		
P-20:17.65%	22.009	245.050	291.422	310.269
267.654 0.000 0	-10.0	3		
P-20:23.53%	29.346	245.050	291.414	309.980
268.131 0.000 0	-10.0	3		
P-20:29.41%	36.682	245.050	291.405	309.656
268.571 0.000 0	-10.0	3		
P-20:35.29%	44.019	245.050	291.397	309.286
268.991 0.000 0	-10.0	3		
P-20:41.18%	51.355	245.050	291.388	308.863
269.410 0.000 0	-10.0	3		
P-20:47.06%	58.692	245.050	291.380	308.466
269.822 0.000 0	-10.0	3		
P-20:52.94%	66.028	245.050	291.371	307.962
270.228 0.000 0	-10.0	3		
P-20:58.82%	73.365	245.050	291.363	307.479
270.634 0.000 0	-10.0	3		
P-20:64.71%	80.701	245.050	291.354	307.123
271.042 0.000 0	-10.0	3		
P-20:70.59%	88.038	245.050	291.345	306.778
271.444 0.000 0	-10.0	3		
P-20:76.47%	95.374	245.050	291.337	306.467
271.835 0.000 0	-10.0	3		
P-20:82.35%	102.711	245.050	291.328	306.210
272.211 0.000 0	-10.0	2		
P-20:88.24%	110.047	245.050	291.320	306.009



272.571	0.000	0	-10.0	2		
P-20:94.12%			117.384	245.050	291.311	305.817
272.911	0.000	0	-10.0	2		
P-20:J-15			124.720	245.050	291.303	305.611
273.219	0.000	0	-10.0	2		
+ P-21:J-15			0.000	245.050	291.303	305.611
273.219	0.000	0	-10.0	2		
P-21:20.00%			6.570	246.450	291.295	305.370
273.500	0.000	0	-10.0	2		
P-21:40.00%			13.140	247.850	291.287	305.169
273.776	0.000	0	-10.0	2		
P-21:60.00%			19.710	249.250	291.280	304.946
274.059	0.000	0	-10.0	2		
P-21:80.00%			26.280	250.650	291.272	304.682
274.343	0.000	0	-10.0	2		
P-21:J-16			32.850	252.050	291.264	304.374
274.633	0.000	0	-10.0	2		
+ P-22:J-16			0.000	252.050	291.264	304.374
274.633	0.000	0	-10.0	2		
P-22:11.11%			7.042	253.037	291.256	304.028
274.955	0.000	0	-10.0	2		
P-22:22.22%			14.084	254.023	291.248	303.657
275.312	0.000	0	-10.0	2		
P-22:33.33%			21.127	255.010	291.240	303.272
275.683	0.000	0	-10.0	2		
P-22:44.44%			28.169	255.997	291.232	302.888
276.066	0.000	0	-10.0	2		
P-22:55.56%			35.211	256.983	291.223	302.518
276.462	0.000	0	-10.0	2		
P-22:66.67%			42.253	257.970	291.215	302.157
276.867	0.000	0	-10.0	2		
P-22:77.78%			49.296	258.957	291.207	301.786
277.284	0.000	0	-10.0	1		
P-22:88.89%			56.338	259.943	291.199	301.414
277.712	0.000	0	-10.0	1		
P-22:J-17			63.380	260.930	291.191	301.056
278.151	0.000	0	-10.0	1		
+ P-23:J-17			0.000	260.930	291.191	301.056
278.151	0.000	0	-10.0	1		
P-23:12.50%			7.156	261.932	291.182	300.712
278.595	0.000	0	-10.0	1		
P-23:25.00%			14.312	262.935	291.174	300.359
279.038	0.000	0	-10.0	1		
P-23:37.50%			21.469	263.938	291.166	299.981
279.476	0.000	0	-10.0	1		
P-23:50.00%			28.625	264.940	291.157	299.582
279.913	0.000	0	-10.0	1		
P-23:62.50%			35.781	265.943	291.149	299.183
280.361	0.000	0	-10.0	1		
P-23:75.00%			42.938	266.945	291.141	298.828
280.818	0.000	0	-10.0	1		
P-23:87.50%			50.094	267.948	291.132	298.482
281.279	0.000	0	-10.0	1		

P-23:J-18		57.250	268.950	291.124	298.113
281.752	0.000 0	-10.0	1		
+ P-24:J-18		0.000	268.950	291.124	298.113
281.752	0.000 0	-10.0	1		
P-24:16.67%		7.120	270.160	291.116	297.720
282.249	0.000 0	-10.0	1		
P-24:33.33%		14.240	271.370	291.107	297.314
282.763	0.000 0	-10.0	1		
P-24:50.00%		21.360	272.580	291.099	296.928
283.290	0.000 0	-10.0	1		
P-24:66.67%		28.480	273.790	291.091	296.537
283.842	0.000 0	-10.0	1		
P-24:83.33%		35.600	275.000	291.083	296.103
284.402	0.000 0	-10.0			
P-24:J-19		42.720	276.210	291.074	295.641
284.935	0.000 0	-10.0			
+ P-25:J-19		0.000	276.210	291.074	295.641
284.935	0.000 0	-10.0			
P-25:16.67%		6.767	277.475	291.066	295.170
285.412	0.000 0	-10.0			
P-25:33.33%		13.533	278.740	291.058	294.747
285.876	0.000 0	-10.0			
P-25:50.00%		20.300	280.005	291.051	294.361
286.374	0.000 0	-10.0			
P-25:66.67%		27.067	281.270	291.043	293.962
286.967	0.000 0	-10.0			
P-25:83.33%		33.833	282.535	291.035	293.527
287.588	0.000 0	-10.0			
P-25:J-20		40.600	283.800	291.027	293.066
288.237	0.000 0	-10.0			
+ P-26:J-20		0.000	283.800	291.027	293.066
288.237	0.000 0	-10.0			
P-26:33.33%		6.053	283.850	291.020	292.604
288.900	0.000 0	-10.0			
P-26:66.67%		12.107	283.900	291.013	292.142
289.522	0.000 0	-10.0			
P-26:J-21		18.160	283.950	291.006	291.621
290.156	0.000 0	-10.0			
+ P-27:J-21		0.000	283.950	291.006	291.621
290.156	0.000 0	-10.0			
P-27:R-5		5.000	291.000	291.000	291.000
291.000	0.000 0	-10.0			
+ P-28:HT-1		0.000	202.150	292.237	334.779
248.846	0.000 0	-10.0	9		
P-28:J-3		5.000	200.870	292.237	333.771
249.302	0.000 0	-10.0	11		

\*\*\*\* Created by Hammer - Version 08.11.05.1

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\*\*\* Paths \*\*\*

The number of paths is 4

Path	No. of Points	From Point	To Point	Length (m)
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Carichi di esercizio	208	P-7:J-1	P-26:J-21	
1378.4				
Pressioni minime e massime	216	P-2:R-4	P-27:R-5	
1409.4				
Profile - 3	61	P-8:J-3	P-2:R-4	423.1
Profile - 1	210	P-7:J-1	P-27:R-5	1383.4

\*\*\* Extreme Heads for Paths \*\*\*

Head Point (m3)	Max Vol (m)	Vap Press	Distance (m)	Elevation (m)	Init Head (m)	Max Head (m)	Min (m)
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+1 P-7:J-1			0.000	200.100	293.632	340.535	
229.798	0.000 0		-10.0				
P-7:3.23%			7.542	200.115	293.605	340.529	
230.457	0.000 0		-10.0				
P-7:6.45%			15.084	200.129	293.579	340.507	
231.103	0.000 0		-10.0				
P-7:9.68%			22.626	200.144	293.552	340.470	
231.713	0.000 0		-10.0				
P-7:12.90%			30.168	200.158	293.526	340.395	
232.295	0.000 0		-10.0				
P-7:16.13%			37.710	200.173	293.499	340.290	
232.853	0.000 0		-10.0				
P-7:19.35%			45.252	200.187	293.473	340.153	
233.383	0.000 0		-10.0				
P-7:22.58%			52.794	200.202	293.446	340.074	
233.882	0.000 0		-10.0				
P-7:25.81%			60.335	200.216	293.420	340.058	
234.352	0.000 0		-10.0				
P-7:29.03%			67.877	200.231	293.393	339.968	
234.795	0.000 0		-10.0				
P-7:32.26%			75.419	200.245	293.367	339.888	
235.210	0.000 0		-10.0				
P-7:35.48%			82.961	200.260	293.340	339.759	
235.599	0.000 0		-10.0				
P-7:38.71%			90.503	200.274	293.314	339.741	
235.976	0.000 0		-10.0				
P-7:41.94%			98.045	200.289	293.287	339.690	
236.363	0.000 0		-10.0				
P-7:45.16%			105.587	200.303	293.261	339.592	
236.768	0.000 0		-10.0				
P-7:48.39%			113.129	200.318	293.234	339.467	
237.180	0.000 0		-10.0				
P-7:51.61%			120.671	200.332	293.208	339.329	
237.596	0.000 0		-10.0				
P-7:54.84%			128.213	200.347	293.181	339.191	
238.041	0.000 0		-10.0				
P-7:58.06%			135.755	200.361	293.155	339.055	
238.327	0.000 0		-10.0				
P-7:61.29%			143.297	200.376	293.128	338.955	
238.513	0.000 0		-10.0				
P-7:64.52%			150.839	200.390	293.102	338.843	
238.697	0.000 0		-10.0				
P-7:67.74%			158.381	200.405	293.075	338.725	

238.885	0.000	0	-10.0			
P-7:70.97%			165.923	200.419	293.049	338.684
239.084	0.000	0	-10.0			
P-7:74.19%			173.465	200.434	293.022	338.634
239.297	0.000	0	-10.0			
P-7:77.42%			181.006	200.448	292.996	338.553
239.527	0.000	0	-10.0			
P-7:80.65%			188.548	200.463	292.969	338.438
239.776	0.000	0	-10.0			
P-7:83.87%			196.090	200.477	292.943	338.369
240.042	0.000	0	-10.0			
P-7:87.10%			203.632	200.492	292.916	338.345
240.309	0.000	0	-10.0			
P-7:90.32%			211.174	200.506	292.890	338.257
240.594	0.000	0	-10.0			
P-7:93.55%			218.716	200.521	292.863	338.130
240.896	0.000	0	-10.0			
P-7:96.77%			226.258	200.535	292.837	337.961
241.207	0.000	0	-10.0			
P-7:J-2			233.725	200.550	292.810	337.773
241.532	0.000	0	-10.0			
P-8:J-2			233.874	200.550	292.811	337.773
241.532	0.000	0	-10.0			
P-8:4.55%			241.222	200.565	292.785	337.591
241.872	0.000	0	-10.0			
P-8:9.09%			248.644	200.579	292.758	337.549
242.232	0.000	0	-10.0			
P-8:13.64%			256.065	200.594	292.732	337.434
242.607	0.000	0	-10.0			
P-8:18.18%			263.487	200.608	292.706	337.275
242.988	0.000	0	-10.0			
P-8:22.73%			270.909	200.623	292.680	337.058
243.384	0.000	0	-10.0			
P-8:27.27%			278.331	200.637	292.654	336.772
243.796	0.000	0	-10.0			
P-8:31.82%			285.753	200.652	292.628	336.584
244.119	0.000	0	-10.0			
P-8:36.36%			293.174	200.666	292.602	336.336
244.330	0.000	0	-10.0			
P-8:40.91%			300.596	200.681	292.576	336.141
244.572	0.000	0	-10.0			
P-8:45.45%			308.018	200.695	292.550	335.949
244.848	0.000	0	-10.0			
P-8:50.00%			315.440	200.710	292.524	335.731
245.141	0.000	0	-10.0			
P-8:54.55%			322.862	200.725	292.498	335.396
245.443	0.000	0	-10.0			
P-8:59.09%			330.284	200.739	292.472	335.339
245.757	0.000	0	-10.0			
P-8:63.64%			337.705	200.754	292.446	335.218
246.091	0.000	0	-10.0			
P-8:68.18%			345.127	200.768	292.420	335.071
246.442	0.000	0	-10.0			

P-8:72.73%	352.549	200.783	292.394	335.029
246.807 0.000 0	-10.0			
P-8:77.27%	359.971	200.797	292.368	334.913
247.183 0.000 0	-10.0			
P-8:81.82%	367.393	200.812	292.341	334.755
247.564 0.000 0	-10.0			
P-8:86.36%	374.814	200.826	292.315	334.537
247.940 0.000 0	-10.0			
P-8:90.91%	382.236	200.841	292.289	334.251
248.307 0.000 0	-10.0			
P-8:95.45%	389.658	200.856	292.263	333.952
248.947 0.000 0	-10.0			
P-8:J-3	397.006	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:J-3	397.155	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:20.00%	404.640	200.896	292.211	333.295
249.745 0.000 0	-10.0			
P-9:40.00%	412.200	200.922	292.184	332.959
250.176 0.000 0	-10.0			
P-9:60.00%	419.760	200.948	292.158	332.532
250.603 0.000 0	-10.0			
P-9:80.00%	427.320	200.974	292.131	332.179
251.031 0.000 0	-10.0			
P-9:J-4	434.804	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:J-4	434.940	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:33.33%	440.880	201.010	292.097	331.354
251.867 0.000 0	-10.0			
P-10:66.67%	446.880	201.020	292.090	331.113
252.237 0.000 0	-10.0			
P-10:J-5	452.820	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:J-5	452.956	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:16.67%	460.467	201.312	292.075	330.773
252.968 0.000 0	-10.0			
P-11:33.33%	468.053	201.593	292.066	330.571
253.338 0.000 0	-10.0			
P-11:50.00%	475.640	201.875	292.057	330.365
253.715 0.000 0	-10.0			
P-11:66.67%	483.227	202.157	292.048	330.147
254.090 0.000 0	-10.0			
P-11:83.33%	490.813	202.438	292.039	329.901
254.473 0.000 0	-10.0			
P-11:J-6	498.324	202.720	292.030	329.640
254.857 0.000 0	-10.0			
P-12:J-6	498.471	202.720	292.030	329.640
254.857 0.000 0	-10.0			
P-12:20.00%	505.466	203.056	292.022	329.332
255.106 0.000 0	-10.0			
P-12:40.00%	512.532	203.392	292.014	329.028

255.306	0.000	0	-10.0			
P-12:60.00%			519.598	203.728	292.006	328.691
255.458	0.000	0	-10.0			
P-12:80.00%			526.664	204.064	291.997	328.340
255.605	0.000	0	-10.0			
P-12:J-7			533.659	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:J-7			533.804	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:8.33%			541.121	204.990	291.981	327.586
255.874	0.000	0	-10.0			
P-13:16.67%			548.511	205.580	291.972	327.206
256.028	0.000	0	-10.0			
P-13:25.00%			555.902	206.170	291.963	326.831
256.193	0.000	0	-10.0			
P-13:33.33%			563.293	206.760	291.955	326.614
256.235	0.000	0	-10.0			
P-13:41.67%			570.684	207.350	291.946	326.359
256.222	0.000	0	-10.0			
P-13:50.00%			578.075	207.940	291.938	326.138
256.275	0.000	0	-10.0			
P-13:58.33%			585.465	208.530	291.929	325.871
256.356	0.000	0	-10.0			
P-13:66.67%			592.856	209.120	291.920	325.577
256.557	0.000	0	-10.0			
P-13:75.00%			600.247	209.710	291.912	325.269
256.772	0.000	0	-10.0			
P-13:83.33%			607.638	210.300	291.903	325.029
257.007	0.000	0	-10.0			
P-13:91.67%			615.029	210.890	291.895	324.855
257.192	0.000	0	-10.0			
P-13:J-8			622.346	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:J-8			622.497	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:12.50%			630.208	212.103	291.877	324.448
257.603	0.000	0	-10.0			
P-14:25.00%			637.997	212.725	291.868	324.202
257.826	0.000	0	-10.0			
P-14:37.50%			645.786	213.348	291.859	323.997
258.070	0.000	0	-10.0			
P-14:50.00%			653.575	213.970	291.850	323.778
258.261	0.000	0	-10.0			
P-14:62.50%			661.363	214.593	291.841	323.511
258.457	0.000	0	-10.0			
P-14:75.00%			669.152	215.215	291.832	323.203
258.658	0.000	0	-10.0			
P-14:87.50%			676.941	215.838	291.823	322.866
258.863	0.000	0	-10.0			
P-14:J-9			684.652	216.460	291.814	322.516
259.072	0.000	0	-10.0			
P-15:J-9			684.806	216.460	291.814	322.516
259.072	0.000	0	-10.0			

P-15:16.67%	692.413	217.373	291.805	322.142
259.285 0.000 0	-10.0			
P-15:33.33%	700.096	218.287	291.796	321.857
259.448 0.000 0	-10.0			
P-15:50.00%	707.780	219.200	291.787	321.565
259.587 0.000 0	-10.0			
P-15:66.67%	715.463	220.113	291.778	321.254
259.716 0.000 0	-10.0			
P-15:83.33%	723.146	221.027	291.769	320.919
259.860 0.000 0	-10.0			
P-15:J-10	730.753	221.940	291.760	320.586
260.023 0.000 0	-10.0			
P-16:J-10	730.906	221.940	291.760	320.586
260.023 0.000 0	-10.0			
P-16:16.67%	738.505	222.853	291.751	320.391
260.193 0.000 0	-10.0			
P-16:33.33%	746.180	223.767	291.742	320.300
260.365 0.000 0	-10.0			
P-16:50.00%	753.855	224.680	291.733	320.197
260.541 0.000 0	-10.0			
P-16:66.67%	761.530	225.593	291.724	320.044
260.723 0.000 0	-10.0			
P-16:83.33%	769.205	226.507	291.715	319.860
260.911 0.000 0	-10.0			
P-16:J-11	776.803	227.420	291.706	319.663
261.105 0.000 0	-10.0			
P-17:J-11	776.956	227.420	291.706	319.663
261.105 0.000 0	-10.0			
P-17:14.29%	784.551	228.701	291.697	319.423
261.306 0.000 0	-10.0			
P-17:28.57%	792.222	229.983	291.688	319.119
261.459 0.000 0	-10.0			
P-17:42.86%	799.894	231.264	291.679	318.812
261.515 0.000 0	-10.0			
P-17:57.14%	807.565	232.546	291.671	318.659
261.667 0.000 0	-10.0			
P-17:71.43%	815.237	233.827	291.662	318.462
261.880 0.000 0	-10.0			
P-17:85.71%	822.908	235.109	291.653	318.247
262.064 0.000 0	-10.0			
P-17:J-12	830.503	236.390	291.644	318.008
262.250 0.000 0	-10.0			
P-18:J-12	830.654	236.390	291.644	318.008
262.250 0.000 0	-10.0			
P-18:14.29%	837.980	237.627	291.635	317.703
262.485 0.000 0	-10.0			
P-18:28.57%	845.380	238.864	291.626	317.360
262.821 0.000 0	-10.0			
P-18:42.86%	852.780	240.101	291.618	316.978
263.241 0.000 0	-10.0			
P-18:57.14%	860.180	241.339	291.609	316.581
263.620 0.000 0	-10.0			
P-18:71.43%	867.580	242.576	291.601	316.180



263.814	0.000	0	-10.0			
P-18:85.71%			874.980	243.813	291.592	315.811
264.000	0.000	0	-10.0			
P-18:J-13			882.306	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:J-13			882.453	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:6.25%			889.651	245.050	291.575	315.151
264.342	0.000	0	-10.0			
P-19:12.50%			896.922	245.050	291.566	314.933
264.507	0.000	0	-10.0			
P-19:18.75%			904.194	245.050	291.558	314.714
264.677	0.000	0	-10.0			
P-19:25.00%			911.465	245.050	291.549	314.459
264.854	0.000	0	-10.0			
P-19:31.25%			918.736	245.050	291.541	314.238
265.033	0.000	0	-10.0			
P-19:37.50%			926.007	245.050	291.533	313.944
265.214	0.000	0	-10.0			
P-19:43.75%			933.279	245.050	291.524	313.717
265.400	0.000	0	-10.0			
P-19:50.00%			940.550	245.050	291.516	313.474
265.586	0.000	0	-10.0			
P-19:56.25%			947.821	245.050	291.507	313.294
265.552	0.000	0	-10.0			
P-19:62.50%			955.092	245.050	291.499	312.943
265.444	0.000	0	-10.0			
P-19:68.75%			962.364	245.050	291.490	312.690
265.404	0.000	0	-10.0			
P-19:75.00%			969.635	245.050	291.482	312.524
265.443	0.000	0	-10.0			
P-19:81.25%			976.906	245.050	291.473	312.301
265.479	0.000	0	-10.0			
P-19:87.50%			984.177	245.050	291.465	312.093
265.695	0.000	0	-10.0			
P-19:93.75%			991.448	245.050	291.456	311.878
265.930	0.000	0	-10.0			
P-19:J-14			998.647	245.050	291.448	311.534
266.303	0.000	0	-10.0			
P-20:J-14			998.793	245.050	291.448	311.534
266.303	0.000	0	-10.0			
P-20:5.88%			1006.056	245.050	291.439	311.155
266.721	0.000	0	-10.0			
P-20:11.76%			1013.393	245.050	291.431	310.732
267.177	0.000	0	-10.0			
P-20:17.65%			1020.729	245.050	291.422	310.269
267.654	0.000	0	-10.0			
P-20:23.53%			1028.066	245.050	291.414	309.980
268.131	0.000	0	-10.0			
P-20:29.41%			1035.402	245.050	291.405	309.656
268.571	0.000	0	-10.0			
P-20:35.29%			1042.739	245.050	291.397	309.286
268.991	0.000	0	-10.0			

P-20:41.18%	1050.075	245.050	291.388	308.863
269.410 0.000 0	-10.0			
P-20:47.06%	1057.411	245.050	291.380	308.466
269.822 0.000 0	-10.0			
P-20:52.94%	1064.748	245.050	291.371	307.962
270.228 0.000 0	-10.0			
P-20:58.82%	1072.084	245.050	291.363	307.479
270.634 0.000 0	-10.0			
P-20:64.71%	1079.421	245.050	291.354	307.123
271.042 0.000 0	-10.0			
P-20:70.59%	1086.757	245.050	291.345	306.778
271.444 0.000 0	-10.0			
P-20:76.47%	1094.094	245.050	291.337	306.467
271.835 0.000 0	-10.0			
P-20:82.35%	1101.430	245.050	291.328	306.210
272.211 0.000 0	-10.0			
P-20:88.24%	1108.766	245.050	291.320	306.009
272.571 0.000 0	-10.0			
P-20:94.12%	1116.103	245.050	291.311	305.817
272.911 0.000 0	-10.0			
P-20:J-15	1123.366	245.050	291.303	305.611
273.219 0.000 0	-10.0			
P-21:J-15	1123.505	245.050	291.303	305.611
273.219 0.000 0	-10.0			
P-21:20.00%	1130.009	246.450	291.295	305.370
273.500 0.000 0	-10.0			
P-21:40.00%	1136.579	247.850	291.287	305.169
273.776 0.000 0	-10.0			
P-21:60.00%	1143.149	249.250	291.280	304.946
274.059 0.000 0	-10.0			
P-21:80.00%	1149.719	250.650	291.272	304.682
274.343 0.000 0	-10.0			
P-21:J-16	1156.223	252.050	291.264	304.374
274.633 0.000 0	-10.0			
P-22:J-16	1156.359	252.050	291.264	304.374
274.633 0.000 0	-10.0			
P-22:11.11%	1163.331	253.037	291.256	304.028
274.955 0.000 0	-10.0			
P-22:22.22%	1170.373	254.023	291.248	303.657
275.312 0.000 0	-10.0			
P-22:33.33%	1177.416	255.010	291.240	303.272
275.683 0.000 0	-10.0			
P-22:44.44%	1184.458	255.997	291.232	302.888
276.066 0.000 0	-10.0			
P-22:55.56%	1191.500	256.983	291.223	302.518
276.462 0.000 0	-10.0			
P-22:66.67%	1198.542	257.970	291.215	302.157
276.867 0.000 0	-10.0			
P-22:77.78%	1205.585	258.957	291.207	301.786
277.284 0.000 0	-10.0			
P-22:88.89%	1212.627	259.943	291.199	301.414
277.712 0.000 0	-10.0			
P-22:J-17	1219.599	260.930	291.191	301.056

278.151	0.000	0	-10.0			
P-23:J-17			1219.741	260.930	291.191	301.056
278.151	0.000	0	-10.0			
P-23:12.50%			1226.825	261.932	291.182	300.712
278.595	0.000	0	-10.0			
P-23:25.00%			1233.982	262.935	291.174	300.359
279.038	0.000	0	-10.0			
P-23:37.50%			1241.138	263.938	291.166	299.981
279.476	0.000	0	-10.0			
P-23:50.00%			1248.294	264.940	291.157	299.582
279.913	0.000	0	-10.0			
P-23:62.50%			1255.450	265.943	291.149	299.183
280.361	0.000	0	-10.0			
P-23:75.00%			1262.607	266.945	291.141	298.828
280.818	0.000	0	-10.0			
P-23:87.50%			1269.763	267.948	291.132	298.482
281.279	0.000	0	-10.0			
P-23:J-18			1276.848	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:J-18			1276.990	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:16.67%			1284.039	270.160	291.116	297.720
282.249	0.000	0	-10.0			
P-24:33.33%			1291.159	271.370	291.107	297.314
282.763	0.000	0	-10.0			
P-24:50.00%			1298.279	272.580	291.099	296.928
283.290	0.000	0	-10.0			
P-24:66.67%			1305.399	273.790	291.091	296.537
283.842	0.000	0	-10.0			
P-24:83.33%			1312.519	275.000	291.083	296.103
284.402	0.000	0	-10.0			
P-24:J-19			1319.568	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:J-19			1319.707	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:16.67%			1326.406	277.475	291.066	295.170
285.412	0.000	0	-10.0			
P-25:33.33%			1333.172	278.740	291.058	294.747
285.876	0.000	0	-10.0			
P-25:50.00%			1339.939	280.005	291.051	294.361
286.374	0.000	0	-10.0			
P-25:66.67%			1346.706	281.270	291.043	293.962
286.967	0.000	0	-10.0			
P-25:83.33%			1353.473	282.535	291.035	293.527
287.588	0.000	0	-10.0			
P-25:J-20			1360.172	283.800	291.027	293.066
288.237	0.000	0	-10.0			
P-26:J-20			1360.300	283.800	291.027	293.066
288.237	0.000	0	-10.0			
P-26:33.33%			1366.293	283.850	291.020	292.604
288.900	0.000	0	-10.0			
P-26:66.67%			1372.346	283.900	291.013	292.142
289.522	0.000	0	-10.0			

P-26:J-21		1378.399	283.950	291.006	291.621
290.156	0.000 0	-10.0			
+2 P-2:R-4		0.000	178.000	178.000	178.000
178.000	0.000 0	-10.0			
P-2:PMP-2		0.990	177.200	177.990	179.770
177.324	0.000 0	-10.0			
P-5:PMP-2		1.083	177.200	293.878	340.546
226.598	0.000 0	-10.0			
P-5:33.33%		9.333	184.833	293.796	340.541
227.641	0.000 0	-10.0			
P-5:66.67%		17.667	192.467	293.714	340.508
228.697	0.000 0	-10.0			
P-5:J-1		25.917	200.100	293.632	340.535
229.798	0.000 0	-10.0			
P-7:J-1		26.075	200.100	293.632	340.535
229.798	0.000 0	-10.0			
P-7:3.23%		33.542	200.115	293.605	340.529
230.457	0.000 0	-10.0			
P-7:6.45%		41.084	200.129	293.579	340.507
231.103	0.000 0	-10.0			
P-7:9.68%		48.626	200.144	293.552	340.470
231.713	0.000 0	-10.0			
P-7:12.90%		56.168	200.158	293.526	340.395
232.295	0.000 0	-10.0			
P-7:16.13%		63.710	200.173	293.499	340.290
232.853	0.000 0	-10.0			
P-7:19.35%		71.252	200.187	293.473	340.153
233.383	0.000 0	-10.0			
P-7:22.58%		78.794	200.202	293.446	340.074
233.882	0.000 0	-10.0			
P-7:25.81%		86.335	200.216	293.420	340.058
234.352	0.000 0	-10.0			
P-7:29.03%		93.877	200.231	293.393	339.968
234.795	0.000 0	-10.0			
P-7:32.26%		101.419	200.245	293.367	339.888
235.210	0.000 0	-10.0			
P-7:35.48%		108.961	200.260	293.340	339.759
235.599	0.000 0	-10.0			
P-7:38.71%		116.503	200.274	293.314	339.741
235.976	0.000 0	-10.0			
P-7:41.94%		124.045	200.289	293.287	339.690
236.363	0.000 0	-10.0			
P-7:45.16%		131.587	200.303	293.261	339.592
236.768	0.000 0	-10.0			
P-7:48.39%		139.129	200.318	293.234	339.467
237.180	0.000 0	-10.0			
P-7:51.61%		146.671	200.332	293.208	339.329
237.596	0.000 0	-10.0			
P-7:54.84%		154.213	200.347	293.181	339.191
238.041	0.000 0	-10.0			
P-7:58.06%		161.755	200.361	293.155	339.055
238.327	0.000 0	-10.0			
P-7:61.29%		169.297	200.376	293.128	338.955

238.513	0.000	0	-10.0			
P-7:64.52%			176.839	200.390	293.102	338.843
238.697	0.000	0	-10.0			
P-7:67.74%			184.381	200.405	293.075	338.725
238.885	0.000	0	-10.0			
P-7:70.97%			191.923	200.419	293.049	338.684
239.084	0.000	0	-10.0			
P-7:74.19%			199.464	200.434	293.022	338.634
239.297	0.000	0	-10.0			
P-7:77.42%			207.006	200.448	292.996	338.553
239.527	0.000	0	-10.0			
P-7:80.65%			214.548	200.463	292.969	338.438
239.776	0.000	0	-10.0			
P-7:83.87%			222.090	200.477	292.943	338.369
240.042	0.000	0	-10.0			
P-7:87.10%			229.632	200.492	292.916	338.345
240.309	0.000	0	-10.0			
P-7:90.32%			237.174	200.506	292.890	338.257
240.594	0.000	0	-10.0			
P-7:93.55%			244.716	200.521	292.863	338.130
240.896	0.000	0	-10.0			
P-7:96.77%			252.258	200.535	292.837	337.961
241.207	0.000	0	-10.0			
P-7:J-2			259.725	200.550	292.810	337.773
241.532	0.000	0	-10.0			
P-8:J-2			259.874	200.550	292.811	337.773
241.532	0.000	0	-10.0			
P-8:4.55%			267.222	200.565	292.785	337.591
241.872	0.000	0	-10.0			
P-8:9.09%			274.644	200.579	292.758	337.549
242.232	0.000	0	-10.0			
P-8:13.64%			282.065	200.594	292.732	337.434
242.607	0.000	0	-10.0			
P-8:18.18%			289.487	200.608	292.706	337.275
242.988	0.000	0	-10.0			
P-8:22.73%			296.909	200.623	292.680	337.058
243.384	0.000	0	-10.0			
P-8:27.27%			304.331	200.637	292.654	336.772
243.796	0.000	0	-10.0			
P-8:31.82%			311.753	200.652	292.628	336.584
244.119	0.000	0	-10.0			
P-8:36.36%			319.174	200.666	292.602	336.336
244.330	0.000	0	-10.0			
P-8:40.91%			326.596	200.681	292.576	336.141
244.572	0.000	0	-10.0			
P-8:45.45%			334.018	200.695	292.550	335.949
244.848	0.000	0	-10.0			
P-8:50.00%			341.440	200.710	292.524	335.731
245.141	0.000	0	-10.0			
P-8:54.55%			348.862	200.725	292.498	335.396
245.443	0.000	0	-10.0			
P-8:59.09%			356.284	200.739	292.472	335.339
245.757	0.000	0	-10.0			

P-8:63.64%	363.705	200.754	292.446	335.218
246.091 0.000 0	-10.0			
P-8:68.18%	371.127	200.768	292.420	335.071
246.442 0.000 0	-10.0			
P-8:72.73%	378.549	200.783	292.394	335.029
246.807 0.000 0	-10.0			
P-8:77.27%	385.971	200.797	292.368	334.913
247.183 0.000 0	-10.0			
P-8:81.82%	393.393	200.812	292.341	334.755
247.564 0.000 0	-10.0			
P-8:86.36%	400.814	200.826	292.315	334.537
247.940 0.000 0	-10.0			
P-8:90.91%	408.236	200.841	292.289	334.251
248.307 0.000 0	-10.0			
P-8:95.45%	415.658	200.856	292.263	333.952
248.947 0.000 0	-10.0			
P-8:J-3	423.006	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:J-3	423.155	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:20.00%	430.640	200.896	292.211	333.295
249.745 0.000 0	-10.0			
P-9:40.00%	438.200	200.922	292.184	332.959
250.176 0.000 0	-10.0			
P-9:60.00%	445.760	200.948	292.158	332.532
250.603 0.000 0	-10.0			
P-9:80.00%	453.320	200.974	292.131	332.179
251.031 0.000 0	-10.0			
P-9:J-4	460.804	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:J-4	460.940	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:33.33%	466.880	201.010	292.097	331.354
251.867 0.000 0	-10.0			
P-10:66.67%	472.880	201.020	292.090	331.113
252.237 0.000 0	-10.0			
P-10:J-5	478.820	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:J-5	478.956	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:16.67%	486.467	201.312	292.075	330.773
252.968 0.000 0	-10.0			
P-11:33.33%	494.053	201.593	292.066	330.571
253.338 0.000 0	-10.0			
P-11:50.00%	501.640	201.875	292.057	330.365
253.715 0.000 0	-10.0			
P-11:66.67%	509.227	202.157	292.048	330.147
254.090 0.000 0	-10.0			
P-11:83.33%	516.813	202.438	292.039	329.901
254.473 0.000 0	-10.0			
P-11:J-6	524.324	202.720	292.030	329.640
254.857 0.000 0	-10.0			
P-12:J-6	524.471	202.720	292.030	329.640

254.857	0.000	0	-10.0			
P-12:20.00%			531.466	203.056	292.022	329.332
255.106	0.000	0	-10.0			
P-12:40.00%			538.532	203.392	292.014	329.028
255.306	0.000	0	-10.0			
P-12:60.00%			545.598	203.728	292.006	328.691
255.458	0.000	0	-10.0			
P-12:80.00%			552.664	204.064	291.997	328.340
255.605	0.000	0	-10.0			
P-12:J-7			559.659	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:J-7			559.804	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:8.33%			567.121	204.990	291.981	327.586
255.874	0.000	0	-10.0			
P-13:16.67%			574.511	205.580	291.972	327.206
256.028	0.000	0	-10.0			
P-13:25.00%			581.902	206.170	291.963	326.831
256.193	0.000	0	-10.0			
P-13:33.33%			589.293	206.760	291.955	326.614
256.235	0.000	0	-10.0			
P-13:41.67%			596.684	207.350	291.946	326.359
256.222	0.000	0	-10.0			
P-13:50.00%			604.075	207.940	291.938	326.138
256.275	0.000	0	-10.0			
P-13:58.33%			611.465	208.530	291.929	325.871
256.356	0.000	0	-10.0			
P-13:66.67%			618.856	209.120	291.920	325.577
256.557	0.000	0	-10.0			
P-13:75.00%			626.247	209.710	291.912	325.269
256.772	0.000	0	-10.0			
P-13:83.33%			633.638	210.300	291.903	325.029
257.007	0.000	0	-10.0			
P-13:91.67%			641.029	210.890	291.895	324.855
257.192	0.000	0	-10.0			
P-13:J-8			648.346	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:J-8			648.497	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:12.50%			656.208	212.103	291.877	324.448
257.603	0.000	0	-10.0			
P-14:25.00%			663.997	212.725	291.868	324.202
257.826	0.000	0	-10.0			
P-14:37.50%			671.786	213.348	291.859	323.997
258.070	0.000	0	-10.0			
P-14:50.00%			679.574	213.970	291.850	323.778
258.261	0.000	0	-10.0			
P-14:62.50%			687.363	214.593	291.841	323.511
258.457	0.000	0	-10.0			
P-14:75.00%			695.152	215.215	291.832	323.203
258.658	0.000	0	-10.0			
P-14:87.50%			702.941	215.838	291.823	322.866
258.863	0.000	0	-10.0			

P-14:J-9		710.652	216.460	291.814	322.516
259.072	0.000 0	-10.0			
P-15:J-9		710.806	216.460	291.814	322.516
259.072	0.000 0	-10.0			
P-15:16.67%		718.413	217.373	291.805	322.142
259.285	0.000 0	-10.0			
P-15:33.33%		726.096	218.287	291.796	321.857
259.448	0.000 0	-10.0			
P-15:50.00%		733.780	219.200	291.787	321.565
259.587	0.000 0	-10.0			
P-15:66.67%		741.463	220.113	291.778	321.254
259.716	0.000 0	-10.0			
P-15:83.33%		749.146	221.027	291.769	320.919
259.860	0.000 0	-10.0			
P-15:J-10		756.753	221.940	291.760	320.586
260.023	0.000 0	-10.0			
P-16:J-10		756.906	221.940	291.760	320.586
260.023	0.000 0	-10.0			
P-16:16.67%		764.505	222.853	291.751	320.391
260.193	0.000 0	-10.0			
P-16:33.33%		772.180	223.767	291.742	320.300
260.365	0.000 0	-10.0			
P-16:50.00%		779.855	224.680	291.733	320.197
260.541	0.000 0	-10.0			
P-16:66.67%		787.530	225.593	291.724	320.044
260.723	0.000 0	-10.0			
P-16:83.33%		795.205	226.507	291.715	319.860
260.911	0.000 0	-10.0			
P-16:J-11		802.803	227.420	291.706	319.663
261.105	0.000 0	-10.0			
P-17:J-11		802.956	227.420	291.706	319.663
261.105	0.000 0	-10.0			
P-17:14.29%		810.551	228.701	291.697	319.423
261.306	0.000 0	-10.0			
P-17:28.57%		818.222	229.983	291.688	319.119
261.459	0.000 0	-10.0			
P-17:42.86%		825.894	231.264	291.679	318.812
261.515	0.000 0	-10.0			
P-17:57.14%		833.565	232.546	291.671	318.659
261.667	0.000 0	-10.0			
P-17:71.43%		841.237	233.827	291.662	318.462
261.880	0.000 0	-10.0			
P-17:85.71%		848.908	235.109	291.653	318.247
262.064	0.000 0	-10.0			
P-17:J-12		856.503	236.390	291.644	318.008
262.250	0.000 0	-10.0			
P-18:J-12		856.654	236.390	291.644	318.008
262.250	0.000 0	-10.0			
P-18:14.29%		863.980	237.627	291.635	317.703
262.485	0.000 0	-10.0			
P-18:28.57%		871.380	238.864	291.626	317.360
262.821	0.000 0	-10.0			
P-18:42.86%		878.780	240.101	291.618	316.978



263.241	0.000	0	-10.0			
P-18:57.14%			886.180	241.339	291.609	316.581
263.620	0.000	0	-10.0			
P-18:71.43%			893.580	242.576	291.601	316.180
263.814	0.000	0	-10.0			
P-18:85.71%			900.980	243.813	291.592	315.811
264.000	0.000	0	-10.0			
P-18:J-13			908.306	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:J-13			908.453	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:6.25%			915.651	245.050	291.575	315.151
264.342	0.000	0	-10.0			
P-19:12.50%			922.922	245.050	291.566	314.933
264.507	0.000	0	-10.0			
P-19:18.75%			930.194	245.050	291.558	314.714
264.677	0.000	0	-10.0			
P-19:25.00%			937.465	245.050	291.549	314.459
264.854	0.000	0	-10.0			
P-19:31.25%			944.736	245.050	291.541	314.238
265.033	0.000	0	-10.0			
P-19:37.50%			952.007	245.050	291.533	313.944
265.214	0.000	0	-10.0			
P-19:43.75%			959.279	245.050	291.524	313.717
265.400	0.000	0	-10.0			
P-19:50.00%			966.550	245.050	291.516	313.474
265.586	0.000	0	-10.0			
P-19:56.25%			973.821	245.050	291.507	313.294
265.552	0.000	0	-10.0			
P-19:62.50%			981.092	245.050	291.499	312.943
265.444	0.000	0	-10.0			
P-19:68.75%			988.363	245.050	291.490	312.690
265.404	0.000	0	-10.0			
P-19:75.00%			995.635	245.050	291.482	312.524
265.443	0.000	0	-10.0			
P-19:81.25%			1002.906	245.050	291.473	312.301
265.479	0.000	0	-10.0			
P-19:87.50%			1010.177	245.050	291.465	312.093
265.695	0.000	0	-10.0			
P-19:93.75%			1017.448	245.050	291.456	311.878
265.930	0.000	0	-10.0			
P-19:J-14			1024.647	245.050	291.448	311.534
266.303	0.000	0	-10.0			
P-20:J-14			1024.793	245.050	291.448	311.534
266.303	0.000	0	-10.0			
P-20:5.88%			1032.056	245.050	291.439	311.155
266.721	0.000	0	-10.0			
P-20:11.76%			1039.393	245.050	291.431	310.732
267.177	0.000	0	-10.0			
P-20:17.65%			1046.729	245.050	291.422	310.269
267.654	0.000	0	-10.0			
P-20:23.53%			1054.065	245.050	291.414	309.980
268.131	0.000	0	-10.0			

P-20:29.41%	1061.402	245.050	291.405	309.656
268.571 0.000 0	-10.0			
P-20:35.29%	1068.738	245.050	291.397	309.286
268.991 0.000 0	-10.0			
P-20:41.18%	1076.075	245.050	291.388	308.863
269.410 0.000 0	-10.0			
P-20:47.06%	1083.411	245.050	291.380	308.466
269.822 0.000 0	-10.0			
P-20:52.94%	1090.748	245.050	291.371	307.962
270.228 0.000 0	-10.0			
P-20:58.82%	1098.084	245.050	291.363	307.479
270.634 0.000 0	-10.0			
P-20:64.71%	1105.420	245.050	291.354	307.123
271.042 0.000 0	-10.0			
P-20:70.59%	1112.757	245.050	291.345	306.778
271.444 0.000 0	-10.0			
P-20:76.47%	1120.093	245.050	291.337	306.467
271.835 0.000 0	-10.0			
P-20:82.35%	1127.430	245.050	291.328	306.210
272.211 0.000 0	-10.0			
P-20:88.24%	1134.766	245.050	291.320	306.009
272.571 0.000 0	-10.0			
P-20:94.12%	1142.103	245.050	291.311	305.817
272.911 0.000 0	-10.0			
P-20:J-15	1149.366	245.050	291.303	305.611
273.219 0.000 0	-10.0			
P-21:J-15	1149.505	245.050	291.303	305.611
273.219 0.000 0	-10.0			
P-21:20.00%	1156.009	246.450	291.295	305.370
273.500 0.000 0	-10.0			
P-21:40.00%	1162.579	247.850	291.287	305.169
273.776 0.000 0	-10.0			
P-21:60.00%	1169.149	249.250	291.280	304.946
274.059 0.000 0	-10.0			
P-21:80.00%	1175.719	250.650	291.272	304.682
274.343 0.000 0	-10.0			
P-21:J-16	1182.223	252.050	291.264	304.374
274.633 0.000 0	-10.0			
P-22:J-16	1182.359	252.050	291.264	304.374
274.633 0.000 0	-10.0			
P-22:11.11%	1189.331	253.037	291.256	304.028
274.955 0.000 0	-10.0			
P-22:22.22%	1196.373	254.023	291.248	303.657
275.312 0.000 0	-10.0			
P-22:33.33%	1203.415	255.010	291.240	303.272
275.683 0.000 0	-10.0			
P-22:44.44%	1210.458	255.997	291.232	302.888
276.066 0.000 0	-10.0			
P-22:55.56%	1217.500	256.983	291.223	302.518
276.462 0.000 0	-10.0			
P-22:66.67%	1224.542	257.970	291.215	302.157
276.867 0.000 0	-10.0			
P-22:77.78%	1231.584	258.957	291.207	301.786

277.284	0.000	0	-10.0			
P-22:88.89%			1238.627	259.943	291.199	301.414
277.712	0.000	0	-10.0			
P-22:J-17			1245.598	260.930	291.191	301.056
278.151	0.000	0	-10.0			
P-23:J-17			1245.740	260.930	291.191	301.056
278.151	0.000	0	-10.0			
P-23:12.50%			1252.825	261.932	291.182	300.712
278.595	0.000	0	-10.0			
P-23:25.00%			1259.981	262.935	291.174	300.359
279.038	0.000	0	-10.0			
P-23:37.50%			1267.138	263.938	291.166	299.981
279.476	0.000	0	-10.0			
P-23:50.00%			1274.294	264.940	291.157	299.582
279.913	0.000	0	-10.0			
P-23:62.50%			1281.450	265.943	291.149	299.183
280.361	0.000	0	-10.0			
P-23:75.00%			1288.606	266.945	291.141	298.828
280.818	0.000	0	-10.0			
P-23:87.50%			1295.763	267.948	291.132	298.482
281.279	0.000	0	-10.0			
P-23:J-18			1302.847	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:J-18			1302.990	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:16.67%			1310.039	270.160	291.116	297.720
282.249	0.000	0	-10.0			
P-24:33.33%			1317.159	271.370	291.107	297.314
282.763	0.000	0	-10.0			
P-24:50.00%			1324.279	272.580	291.099	296.928
283.290	0.000	0	-10.0			
P-24:66.67%			1331.399	273.790	291.091	296.537
283.842	0.000	0	-10.0			
P-24:83.33%			1338.519	275.000	291.083	296.103
284.402	0.000	0	-10.0			
P-24:J-19			1345.568	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:J-19			1345.706	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:16.67%			1352.406	277.475	291.066	295.170
285.412	0.000	0	-10.0			
P-25:33.33%			1359.172	278.740	291.058	294.747
285.876	0.000	0	-10.0			
P-25:50.00%			1365.939	280.005	291.051	294.361
286.374	0.000	0	-10.0			
P-25:66.67%			1372.706	281.270	291.043	293.962
286.967	0.000	0	-10.0			
P-25:83.33%			1379.472	282.535	291.035	293.527
287.588	0.000	0	-10.0			
P-25:J-20			1386.172	283.800	291.027	293.066
288.237	0.000	0	-10.0			
P-26:J-20			1386.300	283.800	291.027	293.066
288.237	0.000	0	-10.0			

P-26:33.33%	1392.292	283.850	291.020	292.604
288.900 0.000 0	-10.0			
P-26:66.67%	1398.346	283.900	291.013	292.142
289.522 0.000 0	-10.0			
P-26:J-21	1404.339	283.950	291.006	291.621
290.156 0.000 0	-10.0			
P-27:J-21	1404.449	283.950	291.006	291.621
290.156 0.000 0	-10.0			
P-27:R-5	1409.399	291.000	291.000	291.000
291.000 0.000 0	-10.0			
+3 P-8:J-3	0.000	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-8:95.45%	7.422	200.856	292.263	333.952
248.947 0.000 0	-10.0			
P-8:90.91%	14.844	200.841	292.289	334.251
248.307 0.000 0	-10.0			
P-8:86.36%	22.265	200.826	292.315	334.537
247.940 0.000 0	-10.0			
P-8:81.82%	29.687	200.812	292.341	334.755
247.564 0.000 0	-10.0			
P-8:77.27%	37.109	200.797	292.368	334.913
247.183 0.000 0	-10.0			
P-8:72.73%	44.531	200.783	292.394	335.029
246.807 0.000 0	-10.0			
P-8:68.18%	51.953	200.768	292.420	335.071
246.442 0.000 0	-10.0			
P-8:63.64%	59.375	200.754	292.446	335.218
246.091 0.000 0	-10.0			
P-8:59.09%	66.796	200.739	292.472	335.339
245.757 0.000 0	-10.0			
P-8:54.55%	74.218	200.725	292.498	335.396
245.443 0.000 0	-10.0			
P-8:50.00%	81.640	200.710	292.524	335.731
245.141 0.000 0	-10.0			
P-8:45.45%	89.062	200.695	292.550	335.949
244.848 0.000 0	-10.0			
P-8:40.91%	96.484	200.681	292.576	336.141
244.572 0.000 0	-10.0			
P-8:36.36%	103.905	200.666	292.602	336.336
244.330 0.000 0	-10.0			
P-8:31.82%	111.327	200.652	292.628	336.584
244.119 0.000 0	-10.0			
P-8:27.27%	118.749	200.637	292.654	336.772
243.796 0.000 0	-10.0			
P-8:22.73%	126.171	200.623	292.680	337.058
243.384 0.000 0	-10.0			
P-8:18.18%	133.593	200.608	292.706	337.275
242.988 0.000 0	-10.0			
P-8:13.64%	141.015	200.594	292.732	337.434
242.607 0.000 0	-10.0			
P-8:9.09%	148.436	200.579	292.758	337.549
242.232 0.000 0	-10.0			
P-8:4.55%	155.858	200.565	292.785	337.591

241.872	0.000	0	-10.0			
P-8:J-2			163.206	200.550	292.811	337.773
241.532	0.000	0	-10.0			
P-7:J-2			163.355	200.550	292.810	337.773
241.532	0.000	0	-10.0			
P-7:96.77%			170.822	200.535	292.837	337.961
241.207	0.000	0	-10.0			
P-7:93.55%			178.364	200.521	292.863	338.130
240.896	0.000	0	-10.0			
P-7:90.32%			185.906	200.506	292.890	338.257
240.594	0.000	0	-10.0			
P-7:87.10%			193.448	200.492	292.916	338.345
240.309	0.000	0	-10.0			
P-7:83.87%			200.990	200.477	292.943	338.369
240.042	0.000	0	-10.0			
P-7:80.65%			208.532	200.463	292.969	338.438
239.776	0.000	0	-10.0			
P-7:77.42%			216.074	200.448	292.996	338.553
239.527	0.000	0	-10.0			
P-7:74.19%			223.615	200.434	293.022	338.634
239.297	0.000	0	-10.0			
P-7:70.97%			231.157	200.419	293.049	338.684
239.084	0.000	0	-10.0			
P-7:67.74%			238.699	200.405	293.075	338.725
238.885	0.000	0	-10.0			
P-7:64.52%			246.241	200.390	293.102	338.843
238.697	0.000	0	-10.0			
P-7:61.29%			253.783	200.376	293.128	338.955
238.513	0.000	0	-10.0			
P-7:58.06%			261.325	200.361	293.155	339.055
238.327	0.000	0	-10.0			
P-7:54.84%			268.867	200.347	293.181	339.191
238.041	0.000	0	-10.0			
P-7:51.61%			276.409	200.332	293.208	339.329
237.596	0.000	0	-10.0			
P-7:48.39%			283.951	200.318	293.234	339.467
237.180	0.000	0	-10.0			
P-7:45.16%			291.493	200.303	293.261	339.592
236.768	0.000	0	-10.0			
P-7:41.94%			299.035	200.289	293.287	339.690
236.363	0.000	0	-10.0			
P-7:38.71%			306.577	200.274	293.314	339.741
235.976	0.000	0	-10.0			
P-7:35.48%			314.119	200.260	293.340	339.759
235.599	0.000	0	-10.0			
P-7:32.26%			321.661	200.245	293.367	339.888
235.210	0.000	0	-10.0			
P-7:29.03%			329.203	200.231	293.393	339.968
234.795	0.000	0	-10.0			
P-7:25.81%			336.744	200.216	293.420	340.058
234.352	0.000	0	-10.0			
P-7:22.58%			344.286	200.202	293.446	340.074
233.882	0.000	0	-10.0			

P-7:19.35%	351.828	200.187	293.473	340.153
233.383 0.000 0	-10.0			
P-7:16.13%	359.370	200.173	293.499	340.290
232.853 0.000 0	-10.0			
P-7:12.90%	366.912	200.158	293.526	340.395
232.295 0.000 0	-10.0			
P-7:9.68%	374.454	200.144	293.552	340.470
231.713 0.000 0	-10.0			
P-7:6.45%	381.996	200.129	293.579	340.507
231.103 0.000 0	-10.0			
P-7:3.23%	389.538	200.115	293.605	340.529
230.457 0.000 0	-10.0			
P-7:J-1	397.004	200.100	293.632	340.535
229.798 0.000 0	-10.0			
P-5:J-1	397.163	200.100	293.632	340.535
229.798 0.000 0	-10.0			
P-5:66.67%	405.413	192.467	293.714	340.508
228.697 0.000 0	-10.0			
P-5:33.33%	413.747	184.833	293.796	340.541
227.641 0.000 0	-10.0			
P-5:PMP-2	421.997	177.200	293.878	340.546
226.598 0.000 0	-10.0			
P-2:PMP-2	422.090	177.200	177.990	179.770
177.324 0.000 0	-10.0			
P-2:R-4	423.080	178.000	178.000	178.000
178.000 0.000 0	-10.0			
+4 P-7:J-1	0.000	200.100	293.632	340.535
229.798 0.000 0	-10.0			
P-7:3.23%	7.542	200.115	293.605	340.529
230.457 0.000 0	-10.0			
P-7:6.45%	15.084	200.129	293.579	340.507
231.103 0.000 0	-10.0			
P-7:9.68%	22.626	200.144	293.552	340.470
231.713 0.000 0	-10.0			
P-7:12.90%	30.168	200.158	293.526	340.395
232.295 0.000 0	-10.0			
P-7:16.13%	37.710	200.173	293.499	340.290
232.853 0.000 0	-10.0			
P-7:19.35%	45.252	200.187	293.473	340.153
233.383 0.000 0	-10.0			
P-7:22.58%	52.794	200.202	293.446	340.074
233.882 0.000 0	-10.0			
P-7:25.81%	60.335	200.216	293.420	340.058
234.352 0.000 0	-10.0			
P-7:29.03%	67.877	200.231	293.393	339.968
234.795 0.000 0	-10.0			
P-7:32.26%	75.419	200.245	293.367	339.888
235.210 0.000 0	-10.0			
P-7:35.48%	82.961	200.260	293.340	339.759
235.599 0.000 0	-10.0			
P-7:38.71%	90.503	200.274	293.314	339.741
235.976 0.000 0	-10.0			
P-7:41.94%	98.045	200.289	293.287	339.690

236.363	0.000	0	-10.0			
P-7:45.16%			105.587	200.303	293.261	339.592
236.768	0.000	0	-10.0			
P-7:48.39%			113.129	200.318	293.234	339.467
237.180	0.000	0	-10.0			
P-7:51.61%			120.671	200.332	293.208	339.329
237.596	0.000	0	-10.0			
P-7:54.84%			128.213	200.347	293.181	339.191
238.041	0.000	0	-10.0			
P-7:58.06%			135.755	200.361	293.155	339.055
238.327	0.000	0	-10.0			
P-7:61.29%			143.297	200.376	293.128	338.955
238.513	0.000	0	-10.0			
P-7:64.52%			150.839	200.390	293.102	338.843
238.697	0.000	0	-10.0			
P-7:67.74%			158.381	200.405	293.075	338.725
238.885	0.000	0	-10.0			
P-7:70.97%			165.923	200.419	293.049	338.684
239.084	0.000	0	-10.0			
P-7:74.19%			173.465	200.434	293.022	338.634
239.297	0.000	0	-10.0			
P-7:77.42%			181.006	200.448	292.996	338.553
239.527	0.000	0	-10.0			
P-7:80.65%			188.548	200.463	292.969	338.438
239.776	0.000	0	-10.0			
P-7:83.87%			196.090	200.477	292.943	338.369
240.042	0.000	0	-10.0			
P-7:87.10%			203.632	200.492	292.916	338.345
240.309	0.000	0	-10.0			
P-7:90.32%			211.174	200.506	292.890	338.257
240.594	0.000	0	-10.0			
P-7:93.55%			218.716	200.521	292.863	338.130
240.896	0.000	0	-10.0			
P-7:96.77%			226.258	200.535	292.837	337.961
241.207	0.000	0	-10.0			
P-7:J-2			233.725	200.550	292.810	337.773
241.532	0.000	0	-10.0			
P-8:J-2			233.874	200.550	292.811	337.773
241.532	0.000	0	-10.0			
P-8:4.55%			241.222	200.565	292.785	337.591
241.872	0.000	0	-10.0			
P-8:9.09%			248.644	200.579	292.758	337.549
242.232	0.000	0	-10.0			
P-8:13.64%			256.065	200.594	292.732	337.434
242.607	0.000	0	-10.0			
P-8:18.18%			263.487	200.608	292.706	337.275
242.988	0.000	0	-10.0			
P-8:22.73%			270.909	200.623	292.680	337.058
243.384	0.000	0	-10.0			
P-8:27.27%			278.331	200.637	292.654	336.772
243.796	0.000	0	-10.0			
P-8:31.82%			285.753	200.652	292.628	336.584
244.119	0.000	0	-10.0			

P-8:36.36%	293.174	200.666	292.602	336.336
244.330 0.000 0	-10.0			
P-8:40.91%	300.596	200.681	292.576	336.141
244.572 0.000 0	-10.0			
P-8:45.45%	308.018	200.695	292.550	335.949
244.848 0.000 0	-10.0			
P-8:50.00%	315.440	200.710	292.524	335.731
245.141 0.000 0	-10.0			
P-8:54.55%	322.862	200.725	292.498	335.396
245.443 0.000 0	-10.0			
P-8:59.09%	330.284	200.739	292.472	335.339
245.757 0.000 0	-10.0			
P-8:63.64%	337.705	200.754	292.446	335.218
246.091 0.000 0	-10.0			
P-8:68.18%	345.127	200.768	292.420	335.071
246.442 0.000 0	-10.0			
P-8:72.73%	352.549	200.783	292.394	335.029
246.807 0.000 0	-10.0			
P-8:77.27%	359.971	200.797	292.368	334.913
247.183 0.000 0	-10.0			
P-8:81.82%	367.393	200.812	292.341	334.755
247.564 0.000 0	-10.0			
P-8:86.36%	374.814	200.826	292.315	334.537
247.940 0.000 0	-10.0			
P-8:90.91%	382.236	200.841	292.289	334.251
248.307 0.000 0	-10.0			
P-8:95.45%	389.658	200.856	292.263	333.952
248.947 0.000 0	-10.0			
P-8:J-3	397.006	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:J-3	397.155	200.870	292.237	333.771
249.302 0.000 0	-10.0			
P-9:20.00%	404.640	200.896	292.211	333.295
249.745 0.000 0	-10.0			
P-9:40.00%	412.200	200.922	292.184	332.959
250.176 0.000 0	-10.0			
P-9:60.00%	419.760	200.948	292.158	332.532
250.603 0.000 0	-10.0			
P-9:80.00%	427.320	200.974	292.131	332.179
251.031 0.000 0	-10.0			
P-9:J-4	434.804	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:J-4	434.940	201.000	292.104	331.766
251.511 0.000 0	-10.0			
P-10:33.33%	440.880	201.010	292.097	331.354
251.867 0.000 0	-10.0			
P-10:66.67%	446.880	201.020	292.090	331.113
252.237 0.000 0	-10.0			
P-10:J-5	452.820	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:J-5	452.956	201.030	292.083	330.960
252.604 0.000 0	-10.0			
P-11:16.67%	460.467	201.312	292.075	330.773



252.968	0.000	0	-10.0			
P-11:33.33%			468.053	201.593	292.066	330.571
253.338	0.000	0	-10.0			
P-11:50.00%			475.640	201.875	292.057	330.365
253.715	0.000	0	-10.0			
P-11:66.67%			483.227	202.157	292.048	330.147
254.090	0.000	0	-10.0			
P-11:83.33%			490.813	202.438	292.039	329.901
254.473	0.000	0	-10.0			
P-11:J-6			498.324	202.720	292.030	329.640
254.857	0.000	0	-10.0			
P-12:J-6			498.471	202.720	292.030	329.640
254.857	0.000	0	-10.0			
P-12:20.00%			505.466	203.056	292.022	329.332
255.106	0.000	0	-10.0			
P-12:40.00%			512.532	203.392	292.014	329.028
255.306	0.000	0	-10.0			
P-12:60.00%			519.598	203.728	292.006	328.691
255.458	0.000	0	-10.0			
P-12:80.00%			526.664	204.064	291.997	328.340
255.605	0.000	0	-10.0			
P-12:J-7			533.659	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:J-7			533.804	204.400	291.989	327.975
255.738	0.000	0	-10.0			
P-13:8.33%			541.121	204.990	291.981	327.586
255.874	0.000	0	-10.0			
P-13:16.67%			548.511	205.580	291.972	327.206
256.028	0.000	0	-10.0			
P-13:25.00%			555.902	206.170	291.963	326.831
256.193	0.000	0	-10.0			
P-13:33.33%			563.293	206.760	291.955	326.614
256.235	0.000	0	-10.0			
P-13:41.67%			570.684	207.350	291.946	326.359
256.222	0.000	0	-10.0			
P-13:50.00%			578.075	207.940	291.938	326.138
256.275	0.000	0	-10.0			
P-13:58.33%			585.465	208.530	291.929	325.871
256.356	0.000	0	-10.0			
P-13:66.67%			592.856	209.120	291.920	325.577
256.557	0.000	0	-10.0			
P-13:75.00%			600.247	209.710	291.912	325.269
256.772	0.000	0	-10.0			
P-13:83.33%			607.638	210.300	291.903	325.029
257.007	0.000	0	-10.0			
P-13:91.67%			615.029	210.890	291.895	324.855
257.192	0.000	0	-10.0			
P-13:J-8			622.346	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:J-8			622.497	211.480	291.886	324.660
257.386	0.000	0	-10.0			
P-14:12.50%			630.208	212.103	291.877	324.448
257.603	0.000	0	-10.0			

P-14:25.00%	637.997	212.725	291.868	324.202
257.826 0.000 0	-10.0			
P-14:37.50%	645.786	213.348	291.859	323.997
258.070 0.000 0	-10.0			
P-14:50.00%	653.575	213.970	291.850	323.778
258.261 0.000 0	-10.0			
P-14:62.50%	661.363	214.593	291.841	323.511
258.457 0.000 0	-10.0			
P-14:75.00%	669.152	215.215	291.832	323.203
258.658 0.000 0	-10.0			
P-14:87.50%	676.941	215.838	291.823	322.866
258.863 0.000 0	-10.0			
P-14:J-9	684.652	216.460	291.814	322.516
259.072 0.000 0	-10.0			
P-15:J-9	684.806	216.460	291.814	322.516
259.072 0.000 0	-10.0			
P-15:16.67%	692.413	217.373	291.805	322.142
259.285 0.000 0	-10.0			
P-15:33.33%	700.096	218.287	291.796	321.857
259.448 0.000 0	-10.0			
P-15:50.00%	707.780	219.200	291.787	321.565
259.587 0.000 0	-10.0			
P-15:66.67%	715.463	220.113	291.778	321.254
259.716 0.000 0	-10.0			
P-15:83.33%	723.146	221.027	291.769	320.919
259.860 0.000 0	-10.0			
P-15:J-10	730.753	221.940	291.760	320.586
260.023 0.000 0	-10.0			
P-16:J-10	730.906	221.940	291.760	320.586
260.023 0.000 0	-10.0			
P-16:16.67%	738.505	222.853	291.751	320.391
260.193 0.000 0	-10.0			
P-16:33.33%	746.180	223.767	291.742	320.300
260.365 0.000 0	-10.0			
P-16:50.00%	753.855	224.680	291.733	320.197
260.541 0.000 0	-10.0			
P-16:66.67%	761.530	225.593	291.724	320.044
260.723 0.000 0	-10.0			
P-16:83.33%	769.205	226.507	291.715	319.860
260.911 0.000 0	-10.0			
P-16:J-11	776.803	227.420	291.706	319.663
261.105 0.000 0	-10.0			
P-17:J-11	776.956	227.420	291.706	319.663
261.105 0.000 0	-10.0			
P-17:14.29%	784.551	228.701	291.697	319.423
261.306 0.000 0	-10.0			
P-17:28.57%	792.222	229.983	291.688	319.119
261.459 0.000 0	-10.0			
P-17:42.86%	799.894	231.264	291.679	318.812
261.515 0.000 0	-10.0			
P-17:57.14%	807.565	232.546	291.671	318.659
261.667 0.000 0	-10.0			
P-17:71.43%	815.237	233.827	291.662	318.462

261.880	0.000	0	-10.0			
P-17:85.71%			822.908	235.109	291.653	318.247
262.064	0.000	0	-10.0			
P-17:J-12			830.503	236.390	291.644	318.008
262.250	0.000	0	-10.0			
P-18:J-12			830.654	236.390	291.644	318.008
262.250	0.000	0	-10.0			
P-18:14.29%			837.980	237.627	291.635	317.703
262.485	0.000	0	-10.0			
P-18:28.57%			845.380	238.864	291.626	317.360
262.821	0.000	0	-10.0			
P-18:42.86%			852.780	240.101	291.618	316.978
263.241	0.000	0	-10.0			
P-18:57.14%			860.180	241.339	291.609	316.581
263.620	0.000	0	-10.0			
P-18:71.43%			867.580	242.576	291.601	316.180
263.814	0.000	0	-10.0			
P-18:85.71%			874.980	243.813	291.592	315.811
264.000	0.000	0	-10.0			
P-18:J-13			882.306	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:J-13			882.453	245.050	291.583	315.448
264.176	0.000	0	-10.0			
P-19:6.25%			889.651	245.050	291.575	315.151
264.342	0.000	0	-10.0			
P-19:12.50%			896.922	245.050	291.566	314.933
264.507	0.000	0	-10.0			
P-19:18.75%			904.194	245.050	291.558	314.714
264.677	0.000	0	-10.0			
P-19:25.00%			911.465	245.050	291.549	314.459
264.854	0.000	0	-10.0			
P-19:31.25%			918.736	245.050	291.541	314.238
265.033	0.000	0	-10.0			
P-19:37.50%			926.007	245.050	291.533	313.944
265.214	0.000	0	-10.0			
P-19:43.75%			933.279	245.050	291.524	313.717
265.400	0.000	0	-10.0			
P-19:50.00%			940.550	245.050	291.516	313.474
265.586	0.000	0	-10.0			
P-19:56.25%			947.821	245.050	291.507	313.294
265.552	0.000	0	-10.0			
P-19:62.50%			955.092	245.050	291.499	312.943
265.444	0.000	0	-10.0			
P-19:68.75%			962.364	245.050	291.490	312.690
265.404	0.000	0	-10.0			
P-19:75.00%			969.635	245.050	291.482	312.524
265.443	0.000	0	-10.0			
P-19:81.25%			976.906	245.050	291.473	312.301
265.479	0.000	0	-10.0			
P-19:87.50%			984.177	245.050	291.465	312.093
265.695	0.000	0	-10.0			
P-19:93.75%			991.448	245.050	291.456	311.878
265.930	0.000	0	-10.0			

P-19:J-14		998.647	245.050	291.448	311.534
266.303	0.000 0	-10.0			
P-20:J-14		998.793	245.050	291.448	311.534
266.303	0.000 0	-10.0			
P-20:5.88%		1006.056	245.050	291.439	311.155
266.721	0.000 0	-10.0			
P-20:11.76%		1013.393	245.050	291.431	310.732
267.177	0.000 0	-10.0			
P-20:17.65%		1020.729	245.050	291.422	310.269
267.654	0.000 0	-10.0			
P-20:23.53%		1028.066	245.050	291.414	309.980
268.131	0.000 0	-10.0			
P-20:29.41%		1035.402	245.050	291.405	309.656
268.571	0.000 0	-10.0			
P-20:35.29%		1042.739	245.050	291.397	309.286
268.991	0.000 0	-10.0			
P-20:41.18%		1050.075	245.050	291.388	308.863
269.410	0.000 0	-10.0			
P-20:47.06%		1057.411	245.050	291.380	308.466
269.822	0.000 0	-10.0			
P-20:52.94%		1064.748	245.050	291.371	307.962
270.228	0.000 0	-10.0			
P-20:58.82%		1072.084	245.050	291.363	307.479
270.634	0.000 0	-10.0			
P-20:64.71%		1079.421	245.050	291.354	307.123
271.042	0.000 0	-10.0			
P-20:70.59%		1086.757	245.050	291.345	306.778
271.444	0.000 0	-10.0			
P-20:76.47%		1094.094	245.050	291.337	306.467
271.835	0.000 0	-10.0			
P-20:82.35%		1101.430	245.050	291.328	306.210
272.211	0.000 0	-10.0			
P-20:88.24%		1108.766	245.050	291.320	306.009
272.571	0.000 0	-10.0			
P-20:94.12%		1116.103	245.050	291.311	305.817
272.911	0.000 0	-10.0			
P-20:J-15		1123.366	245.050	291.303	305.611
273.219	0.000 0	-10.0			
P-21:J-15		1123.505	245.050	291.303	305.611
273.219	0.000 0	-10.0			
P-21:20.00%		1130.009	246.450	291.295	305.370
273.500	0.000 0	-10.0			
P-21:40.00%		1136.579	247.850	291.287	305.169
273.776	0.000 0	-10.0			
P-21:60.00%		1143.149	249.250	291.280	304.946
274.059	0.000 0	-10.0			
P-21:80.00%		1149.719	250.650	291.272	304.682
274.343	0.000 0	-10.0			
P-21:J-16		1156.223	252.050	291.264	304.374
274.633	0.000 0	-10.0			
P-22:J-16		1156.359	252.050	291.264	304.374
274.633	0.000 0	-10.0			
P-22:11.11%		1163.331	253.037	291.256	304.028

274.955	0.000	0	-10.0			
P-22:22.22%			1170.373	254.023	291.248	303.657
275.312	0.000	0	-10.0			
P-22:33.33%			1177.416	255.010	291.240	303.272
275.683	0.000	0	-10.0			
P-22:44.44%			1184.458	255.997	291.232	302.888
276.066	0.000	0	-10.0			
P-22:55.56%			1191.500	256.983	291.223	302.518
276.462	0.000	0	-10.0			
P-22:66.67%			1198.542	257.970	291.215	302.157
276.867	0.000	0	-10.0			
P-22:77.78%			1205.585	258.957	291.207	301.786
277.284	0.000	0	-10.0			
P-22:88.89%			1212.627	259.943	291.199	301.414
277.712	0.000	0	-10.0			
P-22:J-17			1219.599	260.930	291.191	301.056
278.151	0.000	0	-10.0			
P-23:J-17			1219.741	260.930	291.191	301.056
278.151	0.000	0	-10.0			
P-23:12.50%			1226.825	261.932	291.182	300.712
278.595	0.000	0	-10.0			
P-23:25.00%			1233.982	262.935	291.174	300.359
279.038	0.000	0	-10.0			
P-23:37.50%			1241.138	263.938	291.166	299.981
279.476	0.000	0	-10.0			
P-23:50.00%			1248.294	264.940	291.157	299.582
279.913	0.000	0	-10.0			
P-23:62.50%			1255.450	265.943	291.149	299.183
280.361	0.000	0	-10.0			
P-23:75.00%			1262.607	266.945	291.141	298.828
280.818	0.000	0	-10.0			
P-23:87.50%			1269.763	267.948	291.132	298.482
281.279	0.000	0	-10.0			
P-23:J-18			1276.848	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:J-18			1276.990	268.950	291.124	298.113
281.752	0.000	0	-10.0			
P-24:16.67%			1284.039	270.160	291.116	297.720
282.249	0.000	0	-10.0			
P-24:33.33%			1291.159	271.370	291.107	297.314
282.763	0.000	0	-10.0			
P-24:50.00%			1298.279	272.580	291.099	296.928
283.290	0.000	0	-10.0			
P-24:66.67%			1305.399	273.790	291.091	296.537
283.842	0.000	0	-10.0			
P-24:83.33%			1312.519	275.000	291.083	296.103
284.402	0.000	0	-10.0			
P-24:J-19			1319.568	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:J-19			1319.707	276.210	291.074	295.641
284.935	0.000	0	-10.0			
P-25:16.67%			1326.406	277.475	291.066	295.170
285.412	0.000	0	-10.0			

P-25:33.33%		1333.172	278.740	291.058	294.747
285.876	0.000 0	-10.0			
P-25:50.00%		1339.939	280.005	291.051	294.361
286.374	0.000 0	-10.0			
P-25:66.67%		1346.706	281.270	291.043	293.962
286.967	0.000 0	-10.0			
P-25:83.33%		1353.473	282.535	291.035	293.527
287.588	0.000 0	-10.0			
P-25:J-20		1360.172	283.800	291.027	293.066
288.237	0.000 0	-10.0			
P-26:J-20		1360.300	283.800	291.027	293.066
288.237	0.000 0	-10.0			
P-26:33.33%		1366.293	283.850	291.020	292.604
288.900	0.000 0	-10.0			
P-26:66.67%		1372.346	283.900	291.013	292.142
289.522	0.000 0	-10.0			
P-26:J-21		1378.339	283.950	291.006	291.621
290.156	0.000 0	-10.0			
P-27:J-21		1378.449	283.950	291.006	291.621
290.156	0.000 0	-10.0			
P-27:R-5		1383.399	291.000	291.000	291.000
291.000	0.000 0	-10.0			

\*\*\* Selected Nodes \*\*\*

\*\* Pump at node PMP-1\*\*

Time (s)	Flow (cms)	Speed (rpm)	Head-1 (m)	Head-2 (m)
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0.0000	0.507	960.0	178.0	293.9
0.0500	0.500	945.8	178.8	290.2
0.1000	0.492	930.4	179.1	287.0
0.1500	0.482	915.6	179.0	283.7
0.2000	0.473	901.3	179.0	280.6
0.2500	0.463	887.4	179.0	277.7
0.3000	0.455	874.0	178.9	274.9
0.3500	0.446	861.0	178.9	272.2
0.4000	0.438	848.4	178.8	269.7
0.4500	0.430	836.2	178.8	267.2
0.5000	0.423	824.3	178.8	264.8
0.5500	0.416	812.8	178.7	262.6
0.6000	0.409	801.7	178.7	260.4
0.6500	0.403	790.8	178.7	258.3
0.7000	0.396	780.3	178.7	256.2
0.7500	0.390	770.0	178.6	254.3
0.8000	0.384	760.0	178.6	252.4
0.8500	0.379	750.3	178.6	250.6
0.9000	0.373	740.8	178.6	248.8
0.9500	0.368	731.6	178.5	247.1
1.0000	0.363	722.6	178.5	245.5
1.0500	0.358	713.8	178.5	243.9
1.1000	0.354	705.3	178.5	242.4
1.1500	0.348	696.9	178.7	241.2
1.2000	0.340	688.8	179.0	240.6
1.2500	0.329	680.9	179.5	240.6
1.3000	0.315	673.3	179.5	240.7
1.3500	0.300	665.9	179.5	241.2
1.4000	0.285	658.8	179.7	240.8
1.4500	0.268	652.0	179.7	240.2
1.5000	0.253	645.3	179.6	239.8
1.5500	0.238	638.9	179.5	239.6
1.6000	0.224	632.6	179.5	239.3
1.6500	0.210	626.5	179.5	238.4
1.7000	0.196	620.7	179.4	237.6
1.7500	0.183	615.1	179.3	236.9
1.8000	0.172	609.8	179.2	236.4
1.8500	0.161	604.6	179.1	236.0
1.9000	0.151	599.6	179.0	235.7
1.9500	0.142	594.8	179.1	235.1
2.0000	0.132	590.3	179.1	234.0
2.0500	0.122	585.9	179.0	233.0
2.1000	0.113	581.7	178.9	232.2

2.1500	0.104	577.6	178.9	231.5
2.2000	0.097	573.6	178.8	230.8
2.2500	0.090	569.8	178.7	230.2
2.3000	0.083	566.1	178.6	229.6
2.3500	0.078	562.5	178.6	229.1
2.4000	0.072	559.0	178.7	228.8
2.4500	0.064	555.6	178.9	228.2
2.5000	0.056	552.3	179.0	227.7
2.5500	0.046	549.2	179.1	227.4
2.6000	0.035	546.3	179.2	227.2
2.6500	0.024	543.5	179.2	227.0
2.7000	0.013	540.9	179.1	226.9
2.7500	0.003	538.5	179.2	226.7
2.8000	0.000	0.0	178.5	230.1
2.8500	0.000	0.0	178.7	234.3
2.9000	0.000	0.0	177.5	237.0
2.9500	0.000	0.0	177.3	239.7
3.0000	0.000	0.0	178.5	241.9
3.0500	0.000	0.0	178.7	243.8
3.1000	0.000	0.0	177.5	245.7
3.1500	0.000	0.0	177.3	247.9
3.2000	0.000	0.0	178.5	250.2
3.2500	0.000	0.0	178.7	252.2
3.3000	0.000	0.0	177.5	254.0
3.3500	0.000	0.0	177.3	255.6
3.4000	0.000	0.0	178.5	256.9
3.4500	0.000	0.0	178.7	258.0
3.5000	0.000	0.0	177.5	258.8
3.5500	0.000	0.0	177.3	259.6
3.6000	0.000	0.0	178.5	260.6
3.6500	0.000	0.0	178.7	262.1
3.7000	0.000	0.0	177.5	263.6
3.7500	0.000	0.0	177.3	265.4
3.8000	0.000	0.0	178.5	267.3
3.8500	0.000	0.0	178.7	270.1
3.9000	0.000	0.0	177.5	275.1
3.9500	0.000	0.0	177.3	274.0
4.0000	0.000	0.0	178.5	271.6
4.0500	0.000	0.0	178.7	268.2
4.1000	0.000	0.0	177.5	265.9
4.1500	0.000	0.0	177.3	263.3
4.2000	0.000	0.0	178.5	261.0
4.2500	0.000	0.0	178.7	258.8
4.3000	0.000	0.0	177.5	256.5
4.3500	0.000	0.0	177.3	254.3
4.4000	0.000	0.0	178.5	252.2
4.4500	0.000	0.0	178.7	250.4
4.5000	0.000	0.0	177.5	248.8
4.5500	0.000	0.0	177.3	247.4
4.6000	0.000	0.0	178.5	246.2
4.6500	0.000	0.0	178.7	245.2
4.7000	0.000	0.0	177.5	244.3
4.7500	0.000	0.0	177.3	243.3



4.8000	0.000	0.0	178.5	242.0
4.8500	0.000	0.0	178.7	240.6
4.9000	0.000	0.0	177.5	239.0
4.9500	0.000	0.0	177.3	236.9
5.0000	0.000	0.0	178.5	234.2
5.0500	0.000	0.0	178.7	232.2
5.1000	0.000	0.0	177.5	232.2
5.1500	0.000	0.0	177.3	234.2
5.2000	0.000	0.0	178.5	236.4
5.2500	0.000	0.0	178.7	239.6
5.3000	0.000	0.0	177.5	241.5
5.3500	0.000	0.0	177.3	243.4
5.4000	0.000	0.0	178.5	245.0
5.4500	0.000	0.0	178.7	247.0
5.5000	0.000	0.0	177.5	249.5
5.5500	0.000	0.0	177.3	251.1
5.6000	0.000	0.0	178.5	252.5
5.6500	0.000	0.0	178.7	253.8
5.7000	0.000	0.0	177.5	254.9
5.7500	0.000	0.0	177.3	255.8
5.8000	0.000	0.0	178.5	257.3
5.8500	0.000	0.0	178.7	258.5
5.9000	0.000	0.0	177.5	259.5
5.9500	0.000	0.0	177.3	260.6
6.0000	0.000	0.0	178.5	261.7
6.0500	0.000	0.0	178.7	263.1
6.1000	0.000	0.0	177.5	264.7
6.1500	0.000	0.0	177.3	266.5
6.2000	0.000	0.0	178.5	267.9
6.2500	0.000	0.0	178.7	268.4
6.3000	0.000	0.0	177.5	267.8
6.3500	0.000	0.0	177.3	266.3
6.4000	0.000	0.0	178.5	264.4
6.4500	0.000	0.0	178.7	262.9
6.5000	0.000	0.0	177.5	260.7
6.5500	0.000	0.0	177.3	258.9
6.6000	0.000	0.0	178.5	258.0
6.6500	0.000	0.0	178.7	252.1
6.7000	0.000	0.0	177.5	251.6
6.7500	0.000	0.0	177.3	251.4
6.8000	0.000	0.0	178.5	250.4
6.8500	0.000	0.0	178.7	250.3
6.9000	0.000	0.0	177.5	249.8
6.9500	0.000	0.0	177.3	248.9
7.0000	0.000	0.0	178.5	248.1
7.0500	0.000	0.0	178.7	247.5
7.1000	0.000	0.0	177.5	247.2
7.1500	0.000	0.0	177.3	246.8
7.2000	0.000	0.0	178.5	246.3
7.2500	0.000	0.0	178.7	245.8
7.3000	0.000	0.0	177.5	245.3
7.3500	0.000	0.0	177.3	245.1
7.4000	0.000	0.0	178.5	245.3

7.4500	0.000	0.0	178.7	246.2
7.5000	0.000	0.0	177.5	247.6
7.5500	0.000	0.0	177.3	249.4
7.6000	0.000	0.0	178.5	251.3
7.6500	0.000	0.0	178.7	252.8
7.7000	0.000	0.0	177.5	254.0
7.7500	0.000	0.0	177.3	256.8
7.8000	0.000	0.0	178.5	263.5
7.8500	0.000	0.0	178.7	266.3
7.9000	0.000	0.0	177.5	268.0
7.9500	0.000	0.0	177.3	269.2
8.0000	0.000	0.0	178.5	271.6
8.0500	0.000	0.0	178.7	273.1
8.1000	0.000	0.0	177.5	274.8
8.1500	0.000	0.0	177.3	276.5
8.2000	0.000	0.0	178.5	278.1
8.2500	0.000	0.0	178.7	279.6
8.3000	0.000	0.0	177.5	281.0
8.3500	0.000	0.0	177.3	282.4
8.4000	0.000	0.0	178.5	283.7
8.4500	0.000	0.0	178.7	284.8
8.5000	0.000	0.0	177.5	285.8
8.5500	0.000	0.0	177.3	286.9
8.6000	0.000	0.0	178.5	287.8
8.6500	0.000	0.0	178.7	288.3
8.7000	0.000	0.0	177.5	288.6
8.7500	0.000	0.0	177.3	288.9
8.8000	0.000	0.0	178.5	289.6
8.8500	0.000	0.0	178.7	289.9
8.9000	0.000	0.0	177.5	287.6
8.9500	0.000	0.0	177.3	284.3
9.0000	0.000	0.0	178.5	281.8
9.0500	0.000	0.0	178.7	281.7
9.1000	0.000	0.0	177.5	281.6
9.1500	0.000	0.0	177.3	282.6
9.2000	0.000	0.0	178.5	282.8
9.2500	0.000	0.0	178.7	283.4
9.3000	0.000	0.0	177.5	283.6
9.3500	0.000	0.0	177.3	283.3
9.4000	0.000	0.0	178.5	282.7
9.4500	0.000	0.0	178.7	282.4
9.5000	0.000	0.0	177.5	282.6
9.5500	0.000	0.0	177.3	282.8
9.6000	0.000	0.0	178.5	283.1
9.6500	0.000	0.0	178.7	283.1
9.7000	0.000	0.0	177.5	283.6
9.7500	0.000	0.0	177.3	283.8
9.8000	0.000	0.0	178.5	284.1
9.8500	0.000	0.0	178.7	284.6
9.9000	0.000	0.0	177.5	285.0
9.9500	0.000	0.0	177.3	285.3
10.000	0.000	0.0	178.5	286.3
10.050	0.000	0.0	178.7	288.9

10.100	0.000	0.0	177.5	292.3
10.150	0.000	0.0	177.3	295.7
10.200	0.000	0.0	178.5	297.5
10.250	0.000	0.0	178.7	298.6
10.300	0.000	0.0	177.5	299.5
10.350	0.000	0.0	177.3	301.1
10.400	0.000	0.0	178.5	301.0
10.450	0.000	0.0	178.7	301.5
10.500	0.000	0.0	177.5	304.5
10.550	0.000	0.0	177.3	303.8
10.600	0.000	0.0	178.5	306.6
10.650	0.000	0.0	178.7	308.2
10.700	0.000	0.0	177.5	309.2
10.750	0.000	0.0	177.3	311.3
10.800	0.000	0.0	178.5	313.0
10.850	0.000	0.0	178.7	314.2
10.900	0.000	0.0	177.5	315.5
10.950	0.000	0.0	177.3	316.7
11.000	0.000	0.0	178.5	318.1
11.050	0.000	0.0	178.7	319.4
11.100	0.000	0.0	177.5	320.6
11.150	0.000	0.0	177.3	321.0
11.200	0.000	0.0	178.5	320.4
11.250	0.000	0.0	178.7	319.1
11.300	0.000	0.0	177.5	317.9
11.350	0.000	0.0	177.3	317.5
11.400	0.000	0.0	178.5	317.6
11.450	0.000	0.0	178.7	318.0
11.500	0.000	0.0	177.5	319.2
11.550	0.000	0.0	177.3	320.2
11.600	0.000	0.0	178.5	319.0
11.650	0.000	0.0	178.7	318.1
11.700	0.000	0.0	177.5	319.5
11.750	0.000	0.0	177.3	318.8
11.800	0.000	0.0	178.5	318.0
11.850	0.000	0.0	178.7	317.4
11.900	0.000	0.0	177.5	317.9
11.950	0.000	0.0	177.3	317.7
12.000	0.000	0.0	178.5	318.1
12.050	0.000	0.0	178.7	318.6
12.100	0.000	0.0	177.5	318.6
12.150	0.000	0.0	177.3	318.4
12.200	0.000	0.0	178.5	318.2
12.250	0.000	0.0	178.7	318.6
12.300	0.000	0.0	177.5	319.3
12.350	0.000	0.0	177.3	320.5
12.400	0.000	0.0	178.5	322.3
12.450	0.000	0.0	178.7	324.2
12.500	0.000	0.0	177.5	325.6
12.550	0.000	0.0	177.3	326.5
12.600	0.000	0.0	178.5	327.0
12.650	0.000	0.0	178.7	327.0
12.700	0.000	0.0	177.5	328.0

12.750	0.000	0.0	177.3	330.9
12.800	0.000	0.0	178.5	332.3
12.850	0.000	0.0	178.7	332.9
12.900	0.000	0.0	177.5	332.9
12.950	0.000	0.0	177.3	334.6
13.000	0.000	0.0	178.5	335.5
13.050	0.000	0.0	178.7	337.0
13.100	0.000	0.0	177.5	337.0
13.150	0.000	0.0	177.3	338.4
13.200	0.000	0.0	178.5	338.8
13.250	0.000	0.0	178.7	339.4
13.300	0.000	0.0	177.5	339.5
13.350	0.000	0.0	177.3	340.2
13.400	0.000	0.0	178.5	340.5
13.450	0.000	0.0	178.7	340.5
13.500	0.000	0.0	177.5	340.4
13.550	0.000	0.0	177.3	339.7
13.600	0.000	0.0	178.5	338.9
13.650	0.000	0.0	178.7	338.0
13.700	0.000	0.0	177.5	337.7
13.750	0.000	0.0	177.3	337.8
13.800	0.000	0.0	178.5	337.6
13.850	0.000	0.0	178.7	336.2
13.900	0.000	0.0	177.5	333.7
13.950	0.000	0.0	177.3	332.2
14.000	0.000	0.0	178.5	331.7
14.050	0.000	0.0	178.7	331.9
14.100	0.000	0.0	177.5	330.9
14.150	0.000	0.0	177.3	329.6
14.200	0.000	0.0	178.5	328.9
14.250	0.000	0.0	178.7	329.3
14.300	0.000	0.0	177.5	327.5
14.350	0.000	0.0	177.3	326.3
14.400	0.000	0.0	178.5	326.3
14.450	0.000	0.0	178.7	324.1
14.500	0.000	0.0	177.5	324.3
14.550	0.000	0.0	177.3	322.9
14.600	0.000	0.0	178.5	321.8
14.650	0.000	0.0	178.7	321.8
14.700	0.000	0.0	177.5	321.7
14.750	0.000	0.0	177.3	321.8
14.800	0.000	0.0	178.5	321.8
14.850	0.000	0.0	178.7	321.3
14.900	0.000	0.0	177.5	320.4
14.950	0.000	0.0	177.3	319.9
15.000	0.000	0.0	178.5	320.4
15.050	0.000	0.0	178.7	321.4
15.100	0.000	0.0	177.5	321.5
15.150	0.000	0.0	177.3	320.6
15.200	0.000	0.0	178.5	319.1
15.250	0.000	0.0	178.7	318.1
15.300	0.000	0.0	177.5	317.3
15.350	0.000	0.0	177.3	315.6

15.400	0.000	0.0	178.5	314.6
15.450	0.000	0.0	178.7	315.3
15.500	0.000	0.0	177.5	314.1
15.550	0.000	0.0	177.3	313.8
15.600	0.000	0.0	178.5	314.0
15.650	0.000	0.0	178.7	312.9
15.700	0.000	0.0	177.5	311.4
15.750	0.000	0.0	177.3	310.3
15.800	0.000	0.0	178.5	309.4
15.850	0.000	0.0	178.7	307.1
15.900	0.000	0.0	177.5	306.1
15.950	0.000	0.0	177.3	305.1
16.000	0.000	0.0	178.5	303.8
16.050	0.000	0.0	178.7	302.6
16.100	0.000	0.0	177.5	300.8
16.150	0.000	0.0	177.3	298.7
16.200	0.000	0.0	178.5	296.1
16.250	0.000	0.0	178.7	294.4
16.300	0.000	0.0	177.5	293.6
16.350	0.000	0.0	177.3	293.5
16.400	0.000	0.0	178.5	293.4
16.450	0.000	0.0	178.7	293.2
16.500	0.000	0.0	177.5	292.9
16.550	0.000	0.0	177.3	291.3
16.600	0.000	0.0	178.5	289.2
16.650	0.000	0.0	178.7	288.8
16.700	0.000	0.0	177.5	287.2
16.750	0.000	0.0	177.3	286.0
16.800	0.000	0.0	178.5	284.5
16.850	0.000	0.0	178.7	284.0
16.900	0.000	0.0	177.5	282.9
16.950	0.000	0.0	177.3	283.8
17.000	0.000	0.0	178.5	282.7
17.050	0.000	0.0	178.7	283.3
17.100	0.000	0.0	177.5	282.2
17.150	0.000	0.0	177.3	281.6
17.200	0.000	0.0	178.5	280.9
17.250	0.000	0.0	178.7	281.0
17.300	0.000	0.0	177.5	280.9
17.350	0.000	0.0	177.3	281.0
17.400	0.000	0.0	178.5	281.1
17.450	0.000	0.0	178.7	280.3
17.500	0.000	0.0	177.5	279.2
17.550	0.000	0.0	177.3	277.6
17.600	0.000	0.0	178.5	276.4
17.650	0.000	0.0	178.7	276.0
17.700	0.000	0.0	177.5	276.4
17.750	0.000	0.0	177.3	277.1
17.800	0.000	0.0	178.5	276.5
17.850	0.000	0.0	178.7	276.1
17.900	0.000	0.0	177.5	276.4
17.950	0.000	0.0	177.3	276.9
18.000	0.000	0.0	178.5	276.3

18.050	0.000	0.0	178.7	274.5
18.100	0.000	0.0	177.5	273.6
18.150	0.000	0.0	177.3	274.2
18.200	0.000	0.0	178.5	272.4
18.250	0.000	0.0	178.7	272.3
18.300	0.000	0.0	177.5	272.7
18.350	0.000	0.0	177.3	271.8
18.400	0.000	0.0	178.5	272.4
18.450	0.000	0.0	178.7	270.7
18.500	0.000	0.0	177.5	269.5
18.550	0.000	0.0	177.3	268.8
18.600	0.000	0.0	178.5	268.2
18.650	0.000	0.0	178.7	268.8
18.700	0.000	0.0	177.5	269.7
18.750	0.000	0.0	177.3	270.1
18.800	0.000	0.0	178.5	269.4
18.850	0.000	0.0	178.7	267.9
18.900	0.000	0.0	177.5	266.8
18.950	0.000	0.0	177.3	266.7
19.000	0.000	0.0	178.5	266.8
19.050	0.000	0.0	178.7	266.0
19.100	0.000	0.0	177.5	265.1
19.150	0.000	0.0	177.3	265.4
19.200	0.000	0.0	178.5	266.6
19.250	0.000	0.0	178.7	265.8
19.300	0.000	0.0	177.5	265.1
19.350	0.000	0.0	177.3	266.2
19.400	0.000	0.0	178.5	265.2
19.450	0.000	0.0	178.7	265.3
19.500	0.000	0.0	177.5	265.3
19.550	0.000	0.0	177.3	265.0
19.600	0.000	0.0	178.5	264.9
19.650	0.000	0.0	178.7	265.5
19.700	0.000	0.0	177.5	266.4
19.750	0.000	0.0	177.3	265.4
19.800	0.000	0.0	178.5	265.4
19.850	0.000	0.0	178.7	264.6
19.900	0.000	0.0	177.5	264.1
19.950	0.000	0.0	177.3	264.6
20.000	0.000	0.0	178.5	265.3
20.050	0.000	0.0	178.7	265.8
20.100	0.000	0.0	177.5	265.0
20.150	0.000	0.0	177.3	264.3
20.200	0.000	0.0	178.5	264.3
20.250	0.000	0.0	178.7	264.4
20.300	0.000	0.0	177.5	264.1
20.350	0.000	0.0	177.3	263.6
20.400	0.000	0.0	178.5	264.2
20.450	0.000	0.0	178.7	264.7
20.500	0.000	0.0	177.5	264.1
20.550	0.000	0.0	177.3	265.0
20.600	0.000	0.0	178.5	264.8
20.650	0.000	0.0	178.7	264.8

20.700	0.000	0.0	177.5	265.0
20.750	0.000	0.0	177.3	264.9
20.800	0.000	0.0	178.5	263.2
20.850	0.000	0.0	178.7	263.8
20.900	0.000	0.0	177.5	263.2
20.950	0.000	0.0	177.3	264.4
21.000	0.000	0.0	178.5	264.3
21.050	0.000	0.0	178.7	264.7
21.100	0.000	0.0	177.5	264.4
21.150	0.000	0.0	177.3	264.3
21.200	0.000	0.0	178.5	263.9
21.250	0.000	0.0	178.7	264.3
21.300	0.000	0.0	177.5	265.1
21.350	0.000	0.0	177.3	265.1
21.400	0.000	0.0	178.5	265.4
21.450	0.000	0.0	178.7	265.5
21.500	0.000	0.0	177.5	265.4
21.550	0.000	0.0	177.3	264.8
21.600	0.000	0.0	178.5	264.4
21.650	0.000	0.0	178.7	264.9
21.700	0.000	0.0	177.5	264.7
21.750	0.000	0.0	177.3	264.1
21.800	0.000	0.0	178.5	264.5
21.850	0.000	0.0	178.7	265.6
21.900	0.000	0.0	177.5	267.0
21.950	0.000	0.0	177.3	266.9
22.000	0.000	0.0	178.5	267.4
22.050	0.000	0.0	178.7	268.4
22.100	0.000	0.0	177.5	267.2
22.150	0.000	0.0	177.3	267.5
22.200	0.000	0.0	178.5	268.2
22.250	0.000	0.0	178.7	268.5
22.300	0.000	0.0	177.5	270.0
22.350	0.000	0.0	177.3	269.9
22.400	0.000	0.0	178.5	270.0
22.450	0.000	0.0	178.7	269.8
22.500	0.000	0.0	177.5	269.0
22.550	0.000	0.0	177.3	269.5
22.600	0.000	0.0	178.5	270.4
22.650	0.000	0.0	178.7	271.8
22.700	0.000	0.0	177.5	273.1
22.750	0.000	0.0	177.3	273.7
22.800	0.000	0.0	178.5	274.1
22.850	0.000	0.0	178.7	274.5
22.900	0.000	0.0	177.5	275.4
22.950	0.000	0.0	177.3	274.9
23.000	0.000	0.0	178.5	274.0
23.050	0.000	0.0	178.7	273.4
23.100	0.000	0.0	177.5	274.7
23.150	0.000	0.0	177.3	274.5
23.200	0.000	0.0	178.5	274.6
23.250	0.000	0.0	178.7	276.5
23.300	0.000	0.0	177.5	276.3

23.350	0.000	0.0	177.3	277.5
23.400	0.000	0.0	178.5	277.9
23.450	0.000	0.0	178.7	277.7
23.500	0.000	0.0	177.5	277.8
23.550	0.000	0.0	177.3	278.9
23.600	0.000	0.0	178.5	280.5
23.650	0.000	0.0	178.7	280.9
23.700	0.000	0.0	177.5	282.2
23.750	0.000	0.0	177.3	281.8
23.800	0.000	0.0	178.5	281.1
23.850	0.000	0.0	178.7	281.3
23.900	0.000	0.0	177.5	282.2
23.950	0.000	0.0	177.3	283.3
24.000	0.000	0.0	178.5	283.7
24.050	0.000	0.0	178.7	284.0
24.100	0.000	0.0	177.5	285.4
24.150	0.000	0.0	177.3	287.4
24.200	0.000	0.0	178.5	288.3
24.250	0.000	0.0	178.7	288.3
24.300	0.000	0.0	177.5	289.1
24.350	0.000	0.0	177.3	290.0
24.400	0.000	0.0	178.5	289.8
24.450	0.000	0.0	178.7	290.3
24.500	0.000	0.0	177.5	290.5
24.550	0.000	0.0	177.3	291.2
24.600	0.000	0.0	178.5	292.8
24.650	0.000	0.0	178.7	293.9
24.700	0.000	0.0	177.5	293.2
24.750	0.000	0.0	177.3	293.9
24.800	0.000	0.0	178.5	293.3
24.850	0.000	0.0	178.7	294.5
24.900	0.000	0.0	177.5	294.7
24.950	0.000	0.0	177.3	296.4
25.000	0.000	0.0	178.5	297.3
25.050	0.000	0.0	178.7	297.9
25.100	0.000	0.0	177.5	297.9
25.150	0.000	0.0	177.3	298.4
25.200	0.000	0.0	178.5	299.0
25.250	0.000	0.0	178.7	298.3
25.300	0.000	0.0	177.5	297.9
25.350	0.000	0.0	177.3	298.5
25.400	0.000	0.0	178.5	299.3
25.450	0.000	0.0	178.7	300.0
25.500	0.000	0.0	177.5	300.4
25.550	0.000	0.0	177.3	301.3
25.600	0.000	0.0	178.5	302.5
25.650	0.000	0.0	178.7	302.5
25.700	0.000	0.0	177.5	302.4
25.750	0.000	0.0	177.3	301.8
25.800	0.000	0.0	178.5	302.8
25.850	0.000	0.0	178.7	302.5
25.900	0.000	0.0	177.5	303.9
25.950	0.000	0.0	177.3	305.1



26.000	0.000	0.0	178.5	304.9
26.050	0.000	0.0	178.7	305.1
26.100	0.000	0.0	177.5	305.4
26.150	0.000	0.0	177.3	305.6
26.200	0.000	0.0	178.5	306.6
26.250	0.000	0.0	178.7	307.1
26.300	0.000	0.0	177.5	308.1
26.350	0.000	0.0	177.3	309.0
26.400	0.000	0.0	178.5	309.4
26.450	0.000	0.0	178.7	310.5
26.500	0.000	0.0	177.5	310.5
26.550	0.000	0.0	177.3	310.7
26.600	0.000	0.0	178.5	311.4
26.650	0.000	0.0	178.7	311.9
26.700	0.000	0.0	177.5	312.5
26.750	0.000	0.0	177.3	312.5
26.800	0.000	0.0	178.5	314.1
26.850	0.000	0.0	178.7	315.3
26.900	0.000	0.0	177.5	316.1
26.950	0.000	0.0	177.3	316.1
27.000	0.000	0.0	178.5	317.4
27.050	0.000	0.0	178.7	316.3
27.100	0.000	0.0	177.5	316.2
27.150	0.000	0.0	177.3	317.7
27.200	0.000	0.0	178.5	317.4
27.250	0.000	0.0	178.7	318.1
27.300	0.000	0.0	177.5	318.9
27.350	0.000	0.0	177.3	318.8
27.400	0.000	0.0	178.5	318.5
27.450	0.000	0.0	178.7	318.6
27.500	0.000	0.0	177.5	319.0
27.550	0.000	0.0	177.3	318.7
27.600	0.000	0.0	178.5	319.8
27.650	0.000	0.0	178.7	319.6
27.700	0.000	0.0	177.5	319.6
27.750	0.000	0.0	177.3	319.6
27.800	0.000	0.0	178.5	319.8
27.850	0.000	0.0	178.7	320.2
27.900	0.000	0.0	177.5	320.1
27.950	0.000	0.0	177.3	318.9
28.000	0.000	0.0	178.5	318.1
28.050	0.000	0.0	178.7	318.4
28.100	0.000	0.0	177.5	318.6
28.150	0.000	0.0	177.3	318.6
28.200	0.000	0.0	178.5	319.1
28.250	0.000	0.0	178.7	319.8
28.300	0.000	0.0	177.5	319.9
28.350	0.000	0.0	177.3	319.8
28.400	0.000	0.0	178.5	319.0
28.450	0.000	0.0	178.7	318.1
28.500	0.000	0.0	177.5	319.0
28.550	0.000	0.0	177.3	319.2
28.600	0.000	0.0	178.5	318.9

28.650	0.000	0.0	178.7	319.5
28.700	0.000	0.0	177.5	318.5
28.750	0.000	0.0	177.3	318.5
28.800	0.000	0.0	178.5	317.4
28.850	0.000	0.0	178.7	318.0
28.900	0.000	0.0	177.5	318.4
28.950	0.000	0.0	177.3	318.2
29.000	0.000	0.0	178.5	317.9
29.050	0.000	0.0	178.7	318.5
29.100	0.000	0.0	177.5	319.5
29.150	0.000	0.0	177.3	319.3
29.200	0.000	0.0	178.5	318.2
29.250	0.000	0.0	178.7	317.6
29.300	0.000	0.0	177.5	317.1
29.350	0.000	0.0	177.3	316.2
29.400	0.000	0.0	178.5	315.3
29.450	0.000	0.0	178.7	314.5
29.500	0.000	0.0	177.5	315.0
29.550	0.000	0.0	177.3	315.4
29.600	0.000	0.0	178.5	315.4
29.650	0.000	0.0	178.7	313.9
29.700	0.000	0.0	177.5	313.8
29.750	0.000	0.0	177.3	311.6
29.800	0.000	0.0	178.5	311.9
29.850	0.000	0.0	178.7	311.4
29.900	0.000	0.0	177.5	311.0
29.950	0.000	0.0	177.3	310.6
30.000	0.000	0.0	178.5	309.5

\*\* Pump at node PMP-2\*\*

Time (s)	Flow (cms)	Speed (rpm)	Head-1 (m)	Head-2 (m)
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0.0000	0.507	960.0	178.0	293.9
0.0500	0.500	945.8	178.8	290.2
0.1000	0.492	930.4	179.1	287.0
0.1500	0.482	915.6	179.0	283.7
0.2000	0.473	901.3	179.0	280.6
0.2500	0.463	887.4	179.0	277.7
0.3000	0.455	874.0	178.9	274.9
0.3500	0.446	861.0	178.9	272.2
0.4000	0.438	848.4	178.8	269.7
0.4500	0.430	836.2	178.8	267.2
0.5000	0.423	824.3	178.8	264.8
0.5500	0.416	812.8	178.7	262.6
0.6000	0.409	801.7	178.7	260.4
0.6500	0.403	790.8	178.7	258.3
0.7000	0.396	780.3	178.7	256.2
0.7500	0.390	770.0	178.6	254.3
0.8000	0.384	760.0	178.6	252.4
0.8500	0.379	750.3	178.6	250.6

0.9000	0.373	740.8	178.6	248.8
0.9500	0.368	731.6	178.5	247.1
1.0000	0.363	722.6	178.5	245.5
1.0500	0.358	713.8	178.5	243.9
1.1000	0.354	705.3	178.5	242.4
1.1500	0.348	696.9	178.7	241.2
1.2000	0.340	688.8	179.0	240.6
1.2500	0.329	680.9	179.5	240.6
1.3000	0.315	673.3	179.5	240.7
1.3500	0.300	665.9	179.5	241.2
1.4000	0.285	658.8	179.7	240.8
1.4500	0.268	652.0	179.7	240.2
1.5000	0.253	645.3	179.6	239.8
1.5500	0.238	638.9	179.5	239.6
1.6000	0.224	632.6	179.5	239.3
1.6500	0.210	626.5	179.5	238.4
1.7000	0.196	620.7	179.4	237.6
1.7500	0.183	615.1	179.3	236.9
1.8000	0.172	609.8	179.2	236.4
1.8500	0.161	604.6	179.1	236.0
1.9000	0.151	599.6	179.0	235.7
1.9500	0.142	594.8	179.1	235.1
2.0000	0.132	590.3	179.1	234.0
2.0500	0.122	585.9	179.0	233.0
2.1000	0.113	581.7	178.9	232.2
2.1500	0.104	577.6	178.9	231.5
2.2000	0.097	573.6	178.8	230.8
2.2500	0.090	569.8	178.7	230.2
2.3000	0.083	566.1	178.6	229.6
2.3500	0.078	562.5	178.6	229.1
2.4000	0.072	559.0	178.7	228.8
2.4500	0.064	555.6	178.9	228.2
2.5000	0.056	552.3	179.0	227.7
2.5500	0.046	549.2	179.1	227.4
2.6000	0.035	546.3	179.2	227.2
2.6500	0.024	543.5	179.2	227.0
2.7000	0.013	540.9	179.1	226.9
2.7500	0.003	538.5	179.2	226.7
2.8000	0.000	0.0	178.5	230.1
2.8500	0.000	0.0	178.7	234.3
2.9000	0.000	0.0	177.5	237.0
2.9500	0.000	0.0	177.3	239.7
3.0000	0.000	0.0	178.5	241.9
3.0500	0.000	0.0	178.7	243.8
3.1000	0.000	0.0	177.5	245.7
3.1500	0.000	0.0	177.3	247.9
3.2000	0.000	0.0	178.5	250.2
3.2500	0.000	0.0	178.7	252.2
3.3000	0.000	0.0	177.5	254.0
3.3500	0.000	0.0	177.3	255.6
3.4000	0.000	0.0	178.5	256.9
3.4500	0.000	0.0	178.7	258.0
3.5000	0.000	0.0	177.5	258.8

3.5500	0.000	0.0	177.3	259.6
3.6000	0.000	0.0	178.5	260.6
3.6500	0.000	0.0	178.7	262.1
3.7000	0.000	0.0	177.5	263.6
3.7500	0.000	0.0	177.3	265.4
3.8000	0.000	0.0	178.5	267.3
3.8500	0.000	0.0	178.7	270.1
3.9000	0.000	0.0	177.5	275.1
3.9500	0.000	0.0	177.3	274.0
4.0000	0.000	0.0	178.5	271.6
4.0500	0.000	0.0	178.7	268.2
4.1000	0.000	0.0	177.5	265.9
4.1500	0.000	0.0	177.3	263.3
4.2000	0.000	0.0	178.5	261.0
4.2500	0.000	0.0	178.7	258.8
4.3000	0.000	0.0	177.5	256.5
4.3500	0.000	0.0	177.3	254.3
4.4000	0.000	0.0	178.5	252.2
4.4500	0.000	0.0	178.7	250.4
4.5000	0.000	0.0	177.5	248.8
4.5500	0.000	0.0	177.3	247.4
4.6000	0.000	0.0	178.5	246.2
4.6500	0.000	0.0	178.7	245.2
4.7000	0.000	0.0	177.5	244.3
4.7500	0.000	0.0	177.3	243.3
4.8000	0.000	0.0	178.5	242.0
4.8500	0.000	0.0	178.7	240.6
4.9000	0.000	0.0	177.5	239.0
4.9500	0.000	0.0	177.3	236.9
5.0000	0.000	0.0	178.5	234.2
5.0500	0.000	0.0	178.7	232.2
5.1000	0.000	0.0	177.5	232.2
5.1500	0.000	0.0	177.3	234.2
5.2000	0.000	0.0	178.5	236.4
5.2500	0.000	0.0	178.7	239.6
5.3000	0.000	0.0	177.5	241.5
5.3500	0.000	0.0	177.3	243.4
5.4000	0.000	0.0	178.5	245.0
5.4500	0.000	0.0	178.7	246.9
5.5000	0.000	0.0	177.5	249.4
5.5500	0.000	0.0	177.3	251.1
5.6000	0.000	0.0	178.5	252.5
5.6500	0.000	0.0	178.7	253.8
5.7000	0.000	0.0	177.5	254.9
5.7500	0.000	0.0	177.3	255.8
5.8000	0.000	0.0	178.5	257.3
5.8500	0.000	0.0	178.7	258.5
5.9000	0.000	0.0	177.5	259.5
5.9500	0.000	0.0	177.3	260.6
6.0000	0.000	0.0	178.5	261.7
6.0500	0.000	0.0	178.7	263.1
6.1000	0.000	0.0	177.5	264.7
6.1500	0.000	0.0	177.3	266.5

6.2000	0.000	0.0	178.5	267.9
6.2500	0.000	0.0	178.7	268.4
6.3000	0.000	0.0	177.5	267.8
6.3500	0.000	0.0	177.3	266.3
6.4000	0.000	0.0	178.5	264.4
6.4500	0.000	0.0	178.7	262.9
6.5000	0.000	0.0	177.5	260.7
6.5500	0.000	0.0	177.3	258.9
6.6000	0.000	0.0	178.5	258.0
6.6500	0.000	0.0	178.7	252.1
6.7000	0.000	0.0	177.5	251.6
6.7500	0.000	0.0	177.3	251.4
6.8000	0.000	0.0	178.5	250.4
6.8500	0.000	0.0	178.7	250.3
6.9000	0.000	0.0	177.5	249.8
6.9500	0.000	0.0	177.3	248.9
7.0000	0.000	0.0	178.5	248.1
7.0500	0.000	0.0	178.7	247.5
7.1000	0.000	0.0	177.5	247.2
7.1500	0.000	0.0	177.3	246.8
7.2000	0.000	0.0	178.5	246.3
7.2500	0.000	0.0	178.7	245.8
7.3000	0.000	0.0	177.5	245.3
7.3500	0.000	0.0	177.3	245.1
7.4000	0.000	0.0	178.5	245.3
7.4500	0.000	0.0	178.7	246.2
7.5000	0.000	0.0	177.5	247.6
7.5500	0.000	0.0	177.3	249.4
7.6000	0.000	0.0	178.5	251.3
7.6500	0.000	0.0	178.7	252.8
7.7000	0.000	0.0	177.5	254.0
7.7500	0.000	0.0	177.3	256.8
7.8000	0.000	0.0	178.5	263.5
7.8500	0.000	0.0	178.7	266.3
7.9000	0.000	0.0	177.5	268.0
7.9500	0.000	0.0	177.3	269.2
8.0000	0.000	0.0	178.5	271.6
8.0500	0.000	0.0	178.7	273.1
8.1000	0.000	0.0	177.5	274.8
8.1500	0.000	0.0	177.3	276.5
8.2000	0.000	0.0	178.5	278.1
8.2500	0.000	0.0	178.7	279.6
8.3000	0.000	0.0	177.5	281.0
8.3500	0.000	0.0	177.3	282.4
8.4000	0.000	0.0	178.5	283.7
8.4500	0.000	0.0	178.7	284.8
8.5000	0.000	0.0	177.5	285.8
8.5500	0.000	0.0	177.3	286.9
8.6000	0.000	0.0	178.5	287.8
8.6500	0.000	0.0	178.7	288.3
8.7000	0.000	0.0	177.5	288.6
8.7500	0.000	0.0	177.3	288.9
8.8000	0.000	0.0	178.5	289.6

8.8500	0.000	0.0	178.7	289.9
8.9000	0.000	0.0	177.5	287.6
8.9500	0.000	0.0	177.3	284.3
9.0000	0.000	0.0	178.5	281.8
9.0500	0.000	0.0	178.7	281.7
9.1000	0.000	0.0	177.5	281.6
9.1500	0.000	0.0	177.3	282.6
9.2000	0.000	0.0	178.5	282.8
9.2500	0.000	0.0	178.7	283.4
9.3000	0.000	0.0	177.5	283.6
9.3500	0.000	0.0	177.3	283.3
9.4000	0.000	0.0	178.5	282.7
9.4500	0.000	0.0	178.7	282.4
9.5000	0.000	0.0	177.5	282.6
9.5500	0.000	0.0	177.3	282.8
9.6000	0.000	0.0	178.5	283.1
9.6500	0.000	0.0	178.7	283.1
9.7000	0.000	0.0	177.5	283.6
9.7500	0.000	0.0	177.3	283.8
9.8000	0.000	0.0	178.5	284.1
9.8500	0.000	0.0	178.7	284.6
9.9000	0.000	0.0	177.5	285.0
9.9500	0.000	0.0	177.3	285.3
10.000	0.000	0.0	178.5	286.3
10.050	0.000	0.0	178.7	288.9
10.100	0.000	0.0	177.5	292.3
10.150	0.000	0.0	177.3	295.7
10.200	0.000	0.0	178.5	297.5
10.250	0.000	0.0	178.7	298.6
10.300	0.000	0.0	177.5	299.5
10.350	0.000	0.0	177.3	301.1
10.400	0.000	0.0	178.5	301.0
10.450	0.000	0.0	178.7	301.5
10.500	0.000	0.0	177.5	304.5
10.550	0.000	0.0	177.3	303.8
10.600	0.000	0.0	178.5	306.6
10.650	0.000	0.0	178.7	308.2
10.700	0.000	0.0	177.5	309.2
10.750	0.000	0.0	177.3	311.3
10.800	0.000	0.0	178.5	313.0
10.850	0.000	0.0	178.7	314.2
10.900	0.000	0.0	177.5	315.5
10.950	0.000	0.0	177.3	316.7
11.000	0.000	0.0	178.5	318.1
11.050	0.000	0.0	178.7	319.4
11.100	0.000	0.0	177.5	320.6
11.150	0.000	0.0	177.3	321.0
11.200	0.000	0.0	178.5	320.4
11.250	0.000	0.0	178.7	319.1
11.300	0.000	0.0	177.5	317.9
11.350	0.000	0.0	177.3	317.4
11.400	0.000	0.0	178.5	317.6
11.450	0.000	0.0	178.7	318.0

11.500	0.000	0.0	177.5	319.2
11.550	0.000	0.0	177.3	320.2
11.600	0.000	0.0	178.5	319.0
11.650	0.000	0.0	178.7	318.1
11.700	0.000	0.0	177.5	319.5
11.750	0.000	0.0	177.3	318.8
11.800	0.000	0.0	178.5	318.0
11.850	0.000	0.0	178.7	317.4
11.900	0.000	0.0	177.5	317.9
11.950	0.000	0.0	177.3	317.6
12.000	0.000	0.0	178.5	318.1
12.050	0.000	0.0	178.7	318.6
12.100	0.000	0.0	177.5	318.6
12.150	0.000	0.0	177.3	318.4
12.200	0.000	0.0	178.5	318.2
12.250	0.000	0.0	178.7	318.6
12.300	0.000	0.0	177.5	319.3
12.350	0.000	0.0	177.3	320.5
12.400	0.000	0.0	178.5	322.3
12.450	0.000	0.0	178.7	324.2
12.500	0.000	0.0	177.5	325.7
12.550	0.000	0.0	177.3	326.5
12.600	0.000	0.0	178.5	327.0
12.650	0.000	0.0	178.7	327.0
12.700	0.000	0.0	177.5	328.0
12.750	0.000	0.0	177.3	330.9
12.800	0.000	0.0	178.5	332.3
12.850	0.000	0.0	178.7	332.9
12.900	0.000	0.0	177.5	332.9
12.950	0.000	0.0	177.3	334.6
13.000	0.000	0.0	178.5	335.5
13.050	0.000	0.0	178.7	337.0
13.100	0.000	0.0	177.5	337.0
13.150	0.000	0.0	177.3	338.4
13.200	0.000	0.0	178.5	338.8
13.250	0.000	0.0	178.7	339.4
13.300	0.000	0.0	177.5	339.5
13.350	0.000	0.0	177.3	340.2
13.400	0.000	0.0	178.5	340.5
13.450	0.000	0.0	178.7	340.5
13.500	0.000	0.0	177.5	340.4
13.550	0.000	0.0	177.3	339.7
13.600	0.000	0.0	178.5	338.9
13.650	0.000	0.0	178.7	338.0
13.700	0.000	0.0	177.5	337.7
13.750	0.000	0.0	177.3	337.7
13.800	0.000	0.0	178.5	337.6
13.850	0.000	0.0	178.7	336.2
13.900	0.000	0.0	177.5	333.7
13.950	0.000	0.0	177.3	332.2
14.000	0.000	0.0	178.5	331.7
14.050	0.000	0.0	178.7	331.9
14.100	0.000	0.0	177.5	330.9

14.150	0.000	0.0	177.3	329.6
14.200	0.000	0.0	178.5	328.9
14.250	0.000	0.0	178.7	329.3
14.300	0.000	0.0	177.5	327.5
14.350	0.000	0.0	177.3	326.3
14.400	0.000	0.0	178.5	326.3
14.450	0.000	0.0	178.7	324.1
14.500	0.000	0.0	177.5	324.3
14.550	0.000	0.0	177.3	322.9
14.600	0.000	0.0	178.5	321.8
14.650	0.000	0.0	178.7	321.8
14.700	0.000	0.0	177.5	321.7
14.750	0.000	0.0	177.3	321.8
14.800	0.000	0.0	178.5	321.8
14.850	0.000	0.0	178.7	321.3
14.900	0.000	0.0	177.5	320.4
14.950	0.000	0.0	177.3	319.9
15.000	0.000	0.0	178.5	320.4
15.050	0.000	0.0	178.7	321.4
15.100	0.000	0.0	177.5	321.5
15.150	0.000	0.0	177.3	320.6
15.200	0.000	0.0	178.5	319.1
15.250	0.000	0.0	178.7	318.1
15.300	0.000	0.0	177.5	317.3
15.350	0.000	0.0	177.3	315.6
15.400	0.000	0.0	178.5	314.6
15.450	0.000	0.0	178.7	315.3
15.500	0.000	0.0	177.5	314.1
15.550	0.000	0.0	177.3	313.8
15.600	0.000	0.0	178.5	314.0
15.650	0.000	0.0	178.7	312.9
15.700	0.000	0.0	177.5	311.4
15.750	0.000	0.0	177.3	310.3
15.800	0.000	0.0	178.5	309.4
15.850	0.000	0.0	178.7	307.1
15.900	0.000	0.0	177.5	306.1
15.950	0.000	0.0	177.3	305.1
16.000	0.000	0.0	178.5	303.8
16.050	0.000	0.0	178.7	302.6
16.100	0.000	0.0	177.5	300.8
16.150	0.000	0.0	177.3	298.7
16.200	0.000	0.0	178.5	296.1
16.250	0.000	0.0	178.7	294.4
16.300	0.000	0.0	177.5	293.6
16.350	0.000	0.0	177.3	293.5
16.400	0.000	0.0	178.5	293.4
16.450	0.000	0.0	178.7	293.2
16.500	0.000	0.0	177.5	292.9
16.550	0.000	0.0	177.3	291.3
16.600	0.000	0.0	178.5	289.2
16.650	0.000	0.0	178.7	288.8
16.700	0.000	0.0	177.5	287.2
16.750	0.000	0.0	177.3	286.0



16.800	0.000	0.0	178.5	284.5
16.850	0.000	0.0	178.7	284.0
16.900	0.000	0.0	177.5	282.9
16.950	0.000	0.0	177.3	283.8
17.000	0.000	0.0	178.5	282.7
17.050	0.000	0.0	178.7	283.3
17.100	0.000	0.0	177.5	282.2
17.150	0.000	0.0	177.3	281.6
17.200	0.000	0.0	178.5	280.9
17.250	0.000	0.0	178.7	281.0
17.300	0.000	0.0	177.5	280.9
17.350	0.000	0.0	177.3	281.0
17.400	0.000	0.0	178.5	281.1
17.450	0.000	0.0	178.7	280.3
17.500	0.000	0.0	177.5	279.2
17.550	0.000	0.0	177.3	277.6
17.600	0.000	0.0	178.5	276.4
17.650	0.000	0.0	178.7	276.0
17.700	0.000	0.0	177.5	276.4
17.750	0.000	0.0	177.3	277.1
17.800	0.000	0.0	178.5	276.5
17.850	0.000	0.0	178.7	276.1
17.900	0.000	0.0	177.5	276.4
17.950	0.000	0.0	177.3	276.9
18.000	0.000	0.0	178.5	276.3
18.050	0.000	0.0	178.7	274.5
18.100	0.000	0.0	177.5	273.6
18.150	0.000	0.0	177.3	274.2
18.200	0.000	0.0	178.5	272.4
18.250	0.000	0.0	178.7	272.3
18.300	0.000	0.0	177.5	272.7
18.350	0.000	0.0	177.3	271.8
18.400	0.000	0.0	178.5	272.4
18.450	0.000	0.0	178.7	270.7
18.500	0.000	0.0	177.5	269.5
18.550	0.000	0.0	177.3	268.8
18.600	0.000	0.0	178.5	268.2
18.650	0.000	0.0	178.7	268.8
18.700	0.000	0.0	177.5	269.7
18.750	0.000	0.0	177.3	270.1
18.800	0.000	0.0	178.5	269.4
18.850	0.000	0.0	178.7	267.9
18.900	0.000	0.0	177.5	266.8
18.950	0.000	0.0	177.3	266.7
19.000	0.000	0.0	178.5	266.8
19.050	0.000	0.0	178.7	266.0
19.100	0.000	0.0	177.5	265.1
19.150	0.000	0.0	177.3	265.4
19.200	0.000	0.0	178.5	266.6
19.250	0.000	0.0	178.7	265.8
19.300	0.000	0.0	177.5	265.1
19.350	0.000	0.0	177.3	266.2
19.400	0.000	0.0	178.5	265.2

19.450	0.000	0.0	178.7	265.3
19.500	0.000	0.0	177.5	265.3
19.550	0.000	0.0	177.3	265.0
19.600	0.000	0.0	178.5	264.9
19.650	0.000	0.0	178.7	265.6
19.700	0.000	0.0	177.5	266.4
19.750	0.000	0.0	177.3	265.4
19.800	0.000	0.0	178.5	265.4
19.850	0.000	0.0	178.7	264.6
19.900	0.000	0.0	177.5	264.1
19.950	0.000	0.0	177.3	264.6
20.000	0.000	0.0	178.5	265.3
20.050	0.000	0.0	178.7	265.8
20.100	0.000	0.0	177.5	265.0
20.150	0.000	0.0	177.3	264.3
20.200	0.000	0.0	178.5	264.3
20.250	0.000	0.0	178.7	264.4
20.300	0.000	0.0	177.5	264.1
20.350	0.000	0.0	177.3	263.6
20.400	0.000	0.0	178.5	264.2
20.450	0.000	0.0	178.7	264.7
20.500	0.000	0.0	177.5	264.1
20.550	0.000	0.0	177.3	265.0
20.600	0.000	0.0	178.5	264.8
20.650	0.000	0.0	178.7	264.8
20.700	0.000	0.0	177.5	265.0
20.750	0.000	0.0	177.3	264.9
20.800	0.000	0.0	178.5	263.2
20.850	0.000	0.0	178.7	263.8
20.900	0.000	0.0	177.5	263.2
20.950	0.000	0.0	177.3	264.4
21.000	0.000	0.0	178.5	264.3
21.050	0.000	0.0	178.7	264.6
21.100	0.000	0.0	177.5	264.4
21.150	0.000	0.0	177.3	264.3
21.200	0.000	0.0	178.5	263.9
21.250	0.000	0.0	178.7	264.3
21.300	0.000	0.0	177.5	265.1
21.350	0.000	0.0	177.3	265.1
21.400	0.000	0.0	178.5	265.4
21.450	0.000	0.0	178.7	265.5
21.500	0.000	0.0	177.5	265.4
21.550	0.000	0.0	177.3	264.8
21.600	0.000	0.0	178.5	264.4
21.650	0.000	0.0	178.7	264.9
21.700	0.000	0.0	177.5	264.7
21.750	0.000	0.0	177.3	264.1
21.800	0.000	0.0	178.5	264.5
21.850	0.000	0.0	178.7	265.6
21.900	0.000	0.0	177.5	267.0
21.950	0.000	0.0	177.3	266.9
22.000	0.000	0.0	178.5	267.4
22.050	0.000	0.0	178.7	268.4

22.100	0.000	0.0	177.5	267.2
22.150	0.000	0.0	177.3	267.5
22.200	0.000	0.0	178.5	268.2
22.250	0.000	0.0	178.7	268.5
22.300	0.000	0.0	177.5	270.0
22.350	0.000	0.0	177.3	269.9
22.400	0.000	0.0	178.5	270.0
22.450	0.000	0.0	178.7	269.8
22.500	0.000	0.0	177.5	269.0
22.550	0.000	0.0	177.3	269.5
22.600	0.000	0.0	178.5	270.4
22.650	0.000	0.0	178.7	271.8
22.700	0.000	0.0	177.5	273.1
22.750	0.000	0.0	177.3	273.6
22.800	0.000	0.0	178.5	274.1
22.850	0.000	0.0	178.7	274.5
22.900	0.000	0.0	177.5	275.4
22.950	0.000	0.0	177.3	274.9
23.000	0.000	0.0	178.5	274.0
23.050	0.000	0.0	178.7	273.4
23.100	0.000	0.0	177.5	274.7
23.150	0.000	0.0	177.3	274.6
23.200	0.000	0.0	178.5	274.6
23.250	0.000	0.0	178.7	276.5
23.300	0.000	0.0	177.5	276.3
23.350	0.000	0.0	177.3	277.5
23.400	0.000	0.0	178.5	277.9
23.450	0.000	0.0	178.7	277.7
23.500	0.000	0.0	177.5	277.8
23.550	0.000	0.0	177.3	278.9
23.600	0.000	0.0	178.5	280.5
23.650	0.000	0.0	178.7	280.9
23.700	0.000	0.0	177.5	282.2
23.750	0.000	0.0	177.3	281.8
23.800	0.000	0.0	178.5	281.1
23.850	0.000	0.0	178.7	281.3
23.900	0.000	0.0	177.5	282.2
23.950	0.000	0.0	177.3	283.3
24.000	0.000	0.0	178.5	283.7
24.050	0.000	0.0	178.7	284.0
24.100	0.000	0.0	177.5	285.5
24.150	0.000	0.0	177.3	287.4
24.200	0.000	0.0	178.5	288.3
24.250	0.000	0.0	178.7	288.3
24.300	0.000	0.0	177.5	289.1
24.350	0.000	0.0	177.3	290.0
24.400	0.000	0.0	178.5	289.8
24.450	0.000	0.0	178.7	290.3
24.500	0.000	0.0	177.5	290.5
24.550	0.000	0.0	177.3	291.2
24.600	0.000	0.0	178.5	292.8
24.650	0.000	0.0	178.7	293.9
24.700	0.000	0.0	177.5	293.2

24.750	0.000	0.0	177.3	293.9
24.800	0.000	0.0	178.5	293.3
24.850	0.000	0.0	178.7	294.5
24.900	0.000	0.0	177.5	294.7
24.950	0.000	0.0	177.3	296.4
25.000	0.000	0.0	178.5	297.3
25.050	0.000	0.0	178.7	297.9
25.100	0.000	0.0	177.5	297.9
25.150	0.000	0.0	177.3	298.4
25.200	0.000	0.0	178.5	299.0
25.250	0.000	0.0	178.7	298.3
25.300	0.000	0.0	177.5	297.9
25.350	0.000	0.0	177.3	298.5
25.400	0.000	0.0	178.5	299.3
25.450	0.000	0.0	178.7	300.0
25.500	0.000	0.0	177.5	300.4
25.550	0.000	0.0	177.3	301.3
25.600	0.000	0.0	178.5	302.5
25.650	0.000	0.0	178.7	302.5
25.700	0.000	0.0	177.5	302.4
25.750	0.000	0.0	177.3	301.8
25.800	0.000	0.0	178.5	302.8
25.850	0.000	0.0	178.7	302.5
25.900	0.000	0.0	177.5	303.9
25.950	0.000	0.0	177.3	305.1
26.000	0.000	0.0	178.5	304.9
26.050	0.000	0.0	178.7	305.1
26.100	0.000	0.0	177.5	305.4
26.150	0.000	0.0	177.3	305.6
26.200	0.000	0.0	178.5	306.6
26.250	0.000	0.0	178.7	307.1
26.300	0.000	0.0	177.5	308.1
26.350	0.000	0.0	177.3	308.9
26.400	0.000	0.0	178.5	309.4
26.450	0.000	0.0	178.7	310.5
26.500	0.000	0.0	177.5	310.5
26.550	0.000	0.0	177.3	310.7
26.600	0.000	0.0	178.5	311.4
26.650	0.000	0.0	178.7	311.9
26.700	0.000	0.0	177.5	312.5
26.750	0.000	0.0	177.3	312.5
26.800	0.000	0.0	178.5	314.1
26.850	0.000	0.0	178.7	315.3
26.900	0.000	0.0	177.5	316.1
26.950	0.000	0.0	177.3	316.1
27.000	0.000	0.0	178.5	317.4
27.050	0.000	0.0	178.7	316.3
27.100	0.000	0.0	177.5	316.2
27.150	0.000	0.0	177.3	317.7
27.200	0.000	0.0	178.5	317.4
27.250	0.000	0.0	178.7	318.1
27.300	0.000	0.0	177.5	318.9
27.350	0.000	0.0	177.3	318.8

27.400	0.000	0.0	178.5	318.5
27.450	0.000	0.0	178.7	318.6
27.500	0.000	0.0	177.5	319.0
27.550	0.000	0.0	177.3	318.7
27.600	0.000	0.0	178.5	319.8
27.650	0.000	0.0	178.7	319.6
27.700	0.000	0.0	177.5	319.6
27.750	0.000	0.0	177.3	319.6
27.800	0.000	0.0	178.5	319.8
27.850	0.000	0.0	178.7	320.2
27.900	0.000	0.0	177.5	320.1
27.950	0.000	0.0	177.3	318.9
28.000	0.000	0.0	178.5	318.1
28.050	0.000	0.0	178.7	318.4
28.100	0.000	0.0	177.5	318.6
28.150	0.000	0.0	177.3	318.6
28.200	0.000	0.0	178.5	319.1
28.250	0.000	0.0	178.7	319.8
28.300	0.000	0.0	177.5	319.9
28.350	0.000	0.0	177.3	319.8
28.400	0.000	0.0	178.5	319.0
28.450	0.000	0.0	178.7	318.1
28.500	0.000	0.0	177.5	319.0
28.550	0.000	0.0	177.3	319.2
28.600	0.000	0.0	178.5	318.9
28.650	0.000	0.0	178.7	319.5
28.700	0.000	0.0	177.5	318.5
28.750	0.000	0.0	177.3	318.5
28.800	0.000	0.0	178.5	317.4
28.850	0.000	0.0	178.7	318.0
28.900	0.000	0.0	177.5	318.4
28.950	0.000	0.0	177.3	318.2
29.000	0.000	0.0	178.5	317.9
29.050	0.000	0.0	178.7	318.5
29.100	0.000	0.0	177.5	319.5
29.150	0.000	0.0	177.3	319.3
29.200	0.000	0.0	178.5	318.2
29.250	0.000	0.0	178.7	317.6
29.300	0.000	0.0	177.5	317.1
29.350	0.000	0.0	177.3	316.2
29.400	0.000	0.0	178.5	315.3
29.450	0.000	0.0	178.7	314.5
29.500	0.000	0.0	177.5	315.0
29.550	0.000	0.0	177.3	315.4
29.600	0.000	0.0	178.5	315.4
29.650	0.000	0.0	178.7	313.9
29.700	0.000	0.0	177.5	313.8
29.750	0.000	0.0	177.3	311.6
29.800	0.000	0.0	178.5	311.9
29.850	0.000	0.0	178.7	311.4
29.900	0.000	0.0	177.5	311.0
29.950	0.000	0.0	177.3	310.6
30.000	0.000	0.0	178.5	309.5

\*\* Pump at node PMP-3\*\*

Time (s)	Flow (cms)	Speed (rpm)	Head-1 (m)	Head-2 (m)
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0.0000	0.507	960.0	178.0	293.9
0.0500	0.500	945.8	178.8	290.2
0.1000	0.492	930.4	179.1	287.0
0.1500	0.482	915.6	179.0	283.7
0.2000	0.473	901.3	179.0	280.6
0.2500	0.463	887.4	179.0	277.7
0.3000	0.455	874.0	178.9	274.9
0.3500	0.446	861.0	178.9	272.2
0.4000	0.438	848.4	178.8	269.7
0.4500	0.430	836.2	178.8	267.2
0.5000	0.423	824.3	178.8	264.8
0.5500	0.416	812.8	178.7	262.6
0.6000	0.409	801.7	178.7	260.4
0.6500	0.403	790.8	178.7	258.3
0.7000	0.396	780.3	178.7	256.2
0.7500	0.390	770.0	178.6	254.3
0.8000	0.384	760.0	178.6	252.4
0.8500	0.379	750.3	178.6	250.6
0.9000	0.373	740.8	178.6	248.8
0.9500	0.368	731.6	178.5	247.1
1.0000	0.363	722.6	178.5	245.5
1.0500	0.358	713.8	178.5	243.9
1.1000	0.354	705.3	178.5	242.4
1.1500	0.348	696.9	178.7	241.2
1.2000	0.340	688.8	179.0	240.6
1.2500	0.329	680.9	179.5	240.6
1.3000	0.315	673.3	179.5	240.7
1.3500	0.300	665.9	179.5	241.2
1.4000	0.285	658.8	179.7	240.8
1.4500	0.268	652.0	179.7	240.2
1.5000	0.253	645.3	179.6	239.8
1.5500	0.238	638.9	179.5	239.6
1.6000	0.224	632.6	179.5	239.3
1.6500	0.210	626.5	179.5	238.4
1.7000	0.196	620.7	179.4	237.6
1.7500	0.183	615.1	179.3	236.9
1.8000	0.172	609.8	179.2	236.4
1.8500	0.161	604.6	179.1	236.0
1.9000	0.151	599.6	179.0	235.7
1.9500	0.142	594.8	179.1	235.1
2.0000	0.132	590.3	179.1	234.0
2.0500	0.122	585.9	179.0	233.0
2.1000	0.113	581.7	178.9	232.2
2.1500	0.104	577.6	178.9	231.5
2.2000	0.097	573.6	178.8	230.8
2.2500	0.090	569.8	178.7	230.2

2.3000	0.083	566.1	178.6	229.6
2.3500	0.078	562.5	178.6	229.1
2.4000	0.072	559.0	178.7	228.8
2.4500	0.064	555.6	178.9	228.2
2.5000	0.056	552.3	179.0	227.7
2.5500	0.046	549.2	179.1	227.4
2.6000	0.035	546.3	179.2	227.2
2.6500	0.024	543.5	179.2	227.0
2.7000	0.013	540.9	179.1	226.9
2.7500	0.003	538.5	179.2	226.7
2.8000	0.000	0.0	178.5	230.1
2.8500	0.000	0.0	178.7	234.3
2.9000	0.000	0.0	177.5	237.0
2.9500	0.000	0.0	177.3	239.7
3.0000	0.000	0.0	178.5	241.9
3.0500	0.000	0.0	178.7	243.8
3.1000	0.000	0.0	177.5	245.7
3.1500	0.000	0.0	177.3	247.9
3.2000	0.000	0.0	178.5	250.2
3.2500	0.000	0.0	178.7	252.2
3.3000	0.000	0.0	177.5	254.0
3.3500	0.000	0.0	177.3	255.6
3.4000	0.000	0.0	178.5	256.9
3.4500	0.000	0.0	178.7	258.0
3.5000	0.000	0.0	177.5	258.8
3.5500	0.000	0.0	177.3	259.6
3.6000	0.000	0.0	178.5	260.6
3.6500	0.000	0.0	178.7	262.1
3.7000	0.000	0.0	177.5	263.6
3.7500	0.000	0.0	177.3	265.4
3.8000	0.000	0.0	178.5	267.3
3.8500	0.000	0.0	178.7	270.1
3.9000	0.000	0.0	177.5	275.1
3.9500	0.000	0.0	177.3	274.0
4.0000	0.000	0.0	178.5	271.6
4.0500	0.000	0.0	178.7	268.2
4.1000	0.000	0.0	177.5	265.9
4.1500	0.000	0.0	177.3	263.3
4.2000	0.000	0.0	178.5	261.0
4.2500	0.000	0.0	178.7	258.8
4.3000	0.000	0.0	177.5	256.5
4.3500	0.000	0.0	177.3	254.3
4.4000	0.000	0.0	178.5	252.2
4.4500	0.000	0.0	178.7	250.4
4.5000	0.000	0.0	177.5	248.8
4.5500	0.000	0.0	177.3	247.4
4.6000	0.000	0.0	178.5	246.2
4.6500	0.000	0.0	178.7	245.2
4.7000	0.000	0.0	177.5	244.3
4.7500	0.000	0.0	177.3	243.3
4.8000	0.000	0.0	178.5	242.0
4.8500	0.000	0.0	178.7	240.6
4.9000	0.000	0.0	177.5	239.0

4.9500	0.000	0.0	177.3	236.9
5.0000	0.000	0.0	178.5	234.2
5.0500	0.000	0.0	178.7	232.2
5.1000	0.000	0.0	177.5	232.2
5.1500	0.000	0.0	177.3	234.2
5.2000	0.000	0.0	178.5	236.4
5.2500	0.000	0.0	178.7	239.6
5.3000	0.000	0.0	177.5	241.5
5.3500	0.000	0.0	177.3	243.4
5.4000	0.000	0.0	178.5	245.0
5.4500	0.000	0.0	178.7	246.9
5.5000	0.000	0.0	177.5	249.4
5.5500	0.000	0.0	177.3	251.1
5.6000	0.000	0.0	178.5	252.5
5.6500	0.000	0.0	178.7	253.8
5.7000	0.000	0.0	177.5	254.9
5.7500	0.000	0.0	177.3	255.8
5.8000	0.000	0.0	178.5	257.3
5.8500	0.000	0.0	178.7	258.5
5.9000	0.000	0.0	177.5	259.5
5.9500	0.000	0.0	177.3	260.6
6.0000	0.000	0.0	178.5	261.7
6.0500	0.000	0.0	178.7	263.1
6.1000	0.000	0.0	177.5	264.7
6.1500	0.000	0.0	177.3	266.5
6.2000	0.000	0.0	178.5	267.9
6.2500	0.000	0.0	178.7	268.4
6.3000	0.000	0.0	177.5	267.8
6.3500	0.000	0.0	177.3	266.3
6.4000	0.000	0.0	178.5	264.4
6.4500	0.000	0.0	178.7	262.9
6.5000	0.000	0.0	177.5	260.7
6.5500	0.000	0.0	177.3	258.9
6.6000	0.000	0.0	178.5	258.0
6.6500	0.000	0.0	178.7	252.1
6.7000	0.000	0.0	177.5	251.6
6.7500	0.000	0.0	177.3	251.4
6.8000	0.000	0.0	178.5	250.4
6.8500	0.000	0.0	178.7	250.3
6.9000	0.000	0.0	177.5	249.8
6.9500	0.000	0.0	177.3	248.9
7.0000	0.000	0.0	178.5	248.1
7.0500	0.000	0.0	178.7	247.5
7.1000	0.000	0.0	177.5	247.2
7.1500	0.000	0.0	177.3	246.8
7.2000	0.000	0.0	178.5	246.3
7.2500	0.000	0.0	178.7	245.8
7.3000	0.000	0.0	177.5	245.3
7.3500	0.000	0.0	177.3	245.1
7.4000	0.000	0.0	178.5	245.3
7.4500	0.000	0.0	178.7	246.2
7.5000	0.000	0.0	177.5	247.6
7.5500	0.000	0.0	177.3	249.4



7.6000	0.000	0.0	178.5	251.3
7.6500	0.000	0.0	178.7	252.8
7.7000	0.000	0.0	177.5	254.0
7.7500	0.000	0.0	177.3	256.8
7.8000	0.000	0.0	178.5	263.5
7.8500	0.000	0.0	178.7	266.3
7.9000	0.000	0.0	177.5	268.0
7.9500	0.000	0.0	177.3	269.2
8.0000	0.000	0.0	178.5	271.6
8.0500	0.000	0.0	178.7	273.1
8.1000	0.000	0.0	177.5	274.8
8.1500	0.000	0.0	177.3	276.5
8.2000	0.000	0.0	178.5	278.1
8.2500	0.000	0.0	178.7	279.6
8.3000	0.000	0.0	177.5	281.0
8.3500	0.000	0.0	177.3	282.4
8.4000	0.000	0.0	178.5	283.7
8.4500	0.000	0.0	178.7	284.8
8.5000	0.000	0.0	177.5	285.8
8.5500	0.000	0.0	177.3	286.9
8.6000	0.000	0.0	178.5	287.8
8.6500	0.000	0.0	178.7	288.3
8.7000	0.000	0.0	177.5	288.6
8.7500	0.000	0.0	177.3	288.9
8.8000	0.000	0.0	178.5	289.6
8.8500	0.000	0.0	178.7	289.9
8.9000	0.000	0.0	177.5	287.6
8.9500	0.000	0.0	177.3	284.3
9.0000	0.000	0.0	178.5	281.8
9.0500	0.000	0.0	178.7	281.7
9.1000	0.000	0.0	177.5	281.6
9.1500	0.000	0.0	177.3	282.6
9.2000	0.000	0.0	178.5	282.8
9.2500	0.000	0.0	178.7	283.4
9.3000	0.000	0.0	177.5	283.6
9.3500	0.000	0.0	177.3	283.3
9.4000	0.000	0.0	178.5	282.7
9.4500	0.000	0.0	178.7	282.4
9.5000	0.000	0.0	177.5	282.6
9.5500	0.000	0.0	177.3	282.8
9.6000	0.000	0.0	178.5	283.1
9.6500	0.000	0.0	178.7	283.1
9.7000	0.000	0.0	177.5	283.6
9.7500	0.000	0.0	177.3	283.8
9.8000	0.000	0.0	178.5	284.1
9.8500	0.000	0.0	178.7	284.6
9.9000	0.000	0.0	177.5	285.0
9.9500	0.000	0.0	177.3	285.3
10.000	0.000	0.0	178.5	286.3
10.050	0.000	0.0	178.7	288.9
10.100	0.000	0.0	177.5	292.3
10.150	0.000	0.0	177.3	295.7
10.200	0.000	0.0	178.5	297.5

10.250	0.000	0.0	178.7	298.6
10.300	0.000	0.0	177.5	299.5
10.350	0.000	0.0	177.3	301.1
10.400	0.000	0.0	178.5	301.0
10.450	0.000	0.0	178.7	301.5
10.500	0.000	0.0	177.5	304.5
10.550	0.000	0.0	177.3	303.8
10.600	0.000	0.0	178.5	306.6
10.650	0.000	0.0	178.7	308.2
10.700	0.000	0.0	177.5	309.2
10.750	0.000	0.0	177.3	311.3
10.800	0.000	0.0	178.5	313.0
10.850	0.000	0.0	178.7	314.2
10.900	0.000	0.0	177.5	315.5
10.950	0.000	0.0	177.3	316.7
11.000	0.000	0.0	178.5	318.1
11.050	0.000	0.0	178.7	319.4
11.100	0.000	0.0	177.5	320.6
11.150	0.000	0.0	177.3	321.0
11.200	0.000	0.0	178.5	320.4
11.250	0.000	0.0	178.7	319.1
11.300	0.000	0.0	177.5	317.9
11.350	0.000	0.0	177.3	317.4
11.400	0.000	0.0	178.5	317.6
11.450	0.000	0.0	178.7	318.0
11.500	0.000	0.0	177.5	319.2
11.550	0.000	0.0	177.3	320.2
11.600	0.000	0.0	178.5	319.0
11.650	0.000	0.0	178.7	318.1
11.700	0.000	0.0	177.5	319.5
11.750	0.000	0.0	177.3	318.8
11.800	0.000	0.0	178.5	318.0
11.850	0.000	0.0	178.7	317.4
11.900	0.000	0.0	177.5	317.9
11.950	0.000	0.0	177.3	317.6
12.000	0.000	0.0	178.5	318.1
12.050	0.000	0.0	178.7	318.6
12.100	0.000	0.0	177.5	318.6
12.150	0.000	0.0	177.3	318.4
12.200	0.000	0.0	178.5	318.2
12.250	0.000	0.0	178.7	318.6
12.300	0.000	0.0	177.5	319.3
12.350	0.000	0.0	177.3	320.5
12.400	0.000	0.0	178.5	322.3
12.450	0.000	0.0	178.7	324.2
12.500	0.000	0.0	177.5	325.7
12.550	0.000	0.0	177.3	326.5
12.600	0.000	0.0	178.5	327.0
12.650	0.000	0.0	178.7	327.0
12.700	0.000	0.0	177.5	328.0
12.750	0.000	0.0	177.3	330.9
12.800	0.000	0.0	178.5	332.3
12.850	0.000	0.0	178.7	332.9

12.900	0.000	0.0	177.5	332.9
12.950	0.000	0.0	177.3	334.6
13.000	0.000	0.0	178.5	335.5
13.050	0.000	0.0	178.7	337.0
13.100	0.000	0.0	177.5	337.0
13.150	0.000	0.0	177.3	338.4
13.200	0.000	0.0	178.5	338.8
13.250	0.000	0.0	178.7	339.4
13.300	0.000	0.0	177.5	339.5
13.350	0.000	0.0	177.3	340.2
13.400	0.000	0.0	178.5	340.5
13.450	0.000	0.0	178.7	340.5
13.500	0.000	0.0	177.5	340.4
13.550	0.000	0.0	177.3	339.7
13.600	0.000	0.0	178.5	338.9
13.650	0.000	0.0	178.7	338.0
13.700	0.000	0.0	177.5	337.7
13.750	0.000	0.0	177.3	337.7
13.800	0.000	0.0	178.5	337.6
13.850	0.000	0.0	178.7	336.2
13.900	0.000	0.0	177.5	333.7
13.950	0.000	0.0	177.3	332.2
14.000	0.000	0.0	178.5	331.7
14.050	0.000	0.0	178.7	331.9
14.100	0.000	0.0	177.5	330.9
14.150	0.000	0.0	177.3	329.6
14.200	0.000	0.0	178.5	328.9
14.250	0.000	0.0	178.7	329.3
14.300	0.000	0.0	177.5	327.5
14.350	0.000	0.0	177.3	326.3
14.400	0.000	0.0	178.5	326.3
14.450	0.000	0.0	178.7	324.1
14.500	0.000	0.0	177.5	324.3
14.550	0.000	0.0	177.3	322.9
14.600	0.000	0.0	178.5	321.8
14.650	0.000	0.0	178.7	321.8
14.700	0.000	0.0	177.5	321.7
14.750	0.000	0.0	177.3	321.8
14.800	0.000	0.0	178.5	321.8
14.850	0.000	0.0	178.7	321.3
14.900	0.000	0.0	177.5	320.4
14.950	0.000	0.0	177.3	319.9
15.000	0.000	0.0	178.5	320.4
15.050	0.000	0.0	178.7	321.4
15.100	0.000	0.0	177.5	321.5
15.150	0.000	0.0	177.3	320.6
15.200	0.000	0.0	178.5	319.1
15.250	0.000	0.0	178.7	318.1
15.300	0.000	0.0	177.5	317.3
15.350	0.000	0.0	177.3	315.6
15.400	0.000	0.0	178.5	314.6
15.450	0.000	0.0	178.7	315.3
15.500	0.000	0.0	177.5	314.1

15.550	0.000	0.0	177.3	313.8
15.600	0.000	0.0	178.5	314.0
15.650	0.000	0.0	178.7	312.9
15.700	0.000	0.0	177.5	311.4
15.750	0.000	0.0	177.3	310.3
15.800	0.000	0.0	178.5	309.4
15.850	0.000	0.0	178.7	307.1
15.900	0.000	0.0	177.5	306.1
15.950	0.000	0.0	177.3	305.1
16.000	0.000	0.0	178.5	303.8
16.050	0.000	0.0	178.7	302.6
16.100	0.000	0.0	177.5	300.8
16.150	0.000	0.0	177.3	298.7
16.200	0.000	0.0	178.5	296.1
16.250	0.000	0.0	178.7	294.4
16.300	0.000	0.0	177.5	293.6
16.350	0.000	0.0	177.3	293.5
16.400	0.000	0.0	178.5	293.4
16.450	0.000	0.0	178.7	293.2
16.500	0.000	0.0	177.5	292.9
16.550	0.000	0.0	177.3	291.3
16.600	0.000	0.0	178.5	289.2
16.650	0.000	0.0	178.7	288.8
16.700	0.000	0.0	177.5	287.2
16.750	0.000	0.0	177.3	286.0
16.800	0.000	0.0	178.5	284.5
16.850	0.000	0.0	178.7	284.0
16.900	0.000	0.0	177.5	282.9
16.950	0.000	0.0	177.3	283.8
17.000	0.000	0.0	178.5	282.7
17.050	0.000	0.0	178.7	283.3
17.100	0.000	0.0	177.5	282.2
17.150	0.000	0.0	177.3	281.6
17.200	0.000	0.0	178.5	280.9
17.250	0.000	0.0	178.7	281.0
17.300	0.000	0.0	177.5	280.9
17.350	0.000	0.0	177.3	281.0
17.400	0.000	0.0	178.5	281.1
17.450	0.000	0.0	178.7	280.3
17.500	0.000	0.0	177.5	279.2
17.550	0.000	0.0	177.3	277.6
17.600	0.000	0.0	178.5	276.4
17.650	0.000	0.0	178.7	276.0
17.700	0.000	0.0	177.5	276.4
17.750	0.000	0.0	177.3	277.1
17.800	0.000	0.0	178.5	276.5
17.850	0.000	0.0	178.7	276.1
17.900	0.000	0.0	177.5	276.4
17.950	0.000	0.0	177.3	276.9
18.000	0.000	0.0	178.5	276.3
18.050	0.000	0.0	178.7	274.5
18.100	0.000	0.0	177.5	273.6
18.150	0.000	0.0	177.3	274.2

18.200	0.000	0.0	178.5	272.4
18.250	0.000	0.0	178.7	272.3
18.300	0.000	0.0	177.5	272.7
18.350	0.000	0.0	177.3	271.8
18.400	0.000	0.0	178.5	272.4
18.450	0.000	0.0	178.7	270.7
18.500	0.000	0.0	177.5	269.5
18.550	0.000	0.0	177.3	268.8
18.600	0.000	0.0	178.5	268.2
18.650	0.000	0.0	178.7	268.8
18.700	0.000	0.0	177.5	269.7
18.750	0.000	0.0	177.3	270.1
18.800	0.000	0.0	178.5	269.4
18.850	0.000	0.0	178.7	267.9
18.900	0.000	0.0	177.5	266.8
18.950	0.000	0.0	177.3	266.7
19.000	0.000	0.0	178.5	266.8
19.050	0.000	0.0	178.7	266.0
19.100	0.000	0.0	177.5	265.1
19.150	0.000	0.0	177.3	265.4
19.200	0.000	0.0	178.5	266.6
19.250	0.000	0.0	178.7	265.8
19.300	0.000	0.0	177.5	265.1
19.350	0.000	0.0	177.3	266.2
19.400	0.000	0.0	178.5	265.2
19.450	0.000	0.0	178.7	265.3
19.500	0.000	0.0	177.5	265.3
19.550	0.000	0.0	177.3	265.0
19.600	0.000	0.0	178.5	264.9
19.650	0.000	0.0	178.7	265.6
19.700	0.000	0.0	177.5	266.4
19.750	0.000	0.0	177.3	265.4
19.800	0.000	0.0	178.5	265.4
19.850	0.000	0.0	178.7	264.6
19.900	0.000	0.0	177.5	264.1
19.950	0.000	0.0	177.3	264.6
20.000	0.000	0.0	178.5	265.3
20.050	0.000	0.0	178.7	265.8
20.100	0.000	0.0	177.5	265.0
20.150	0.000	0.0	177.3	264.3
20.200	0.000	0.0	178.5	264.3
20.250	0.000	0.0	178.7	264.4
20.300	0.000	0.0	177.5	264.1
20.350	0.000	0.0	177.3	263.6
20.400	0.000	0.0	178.5	264.2
20.450	0.000	0.0	178.7	264.7
20.500	0.000	0.0	177.5	264.1
20.550	0.000	0.0	177.3	265.0
20.600	0.000	0.0	178.5	264.8
20.650	0.000	0.0	178.7	264.8
20.700	0.000	0.0	177.5	265.0
20.750	0.000	0.0	177.3	264.9
20.800	0.000	0.0	178.5	263.2

20.850	0.000	0.0	178.7	263.8
20.900	0.000	0.0	177.5	263.2
20.950	0.000	0.0	177.3	264.4
21.000	0.000	0.0	178.5	264.3
21.050	0.000	0.0	178.7	264.6
21.100	0.000	0.0	177.5	264.4
21.150	0.000	0.0	177.3	264.3
21.200	0.000	0.0	178.5	263.9
21.250	0.000	0.0	178.7	264.3
21.300	0.000	0.0	177.5	265.1
21.350	0.000	0.0	177.3	265.1
21.400	0.000	0.0	178.5	265.4
21.450	0.000	0.0	178.7	265.5
21.500	0.000	0.0	177.5	265.4
21.550	0.000	0.0	177.3	264.8
21.600	0.000	0.0	178.5	264.4
21.650	0.000	0.0	178.7	264.9
21.700	0.000	0.0	177.5	264.7
21.750	0.000	0.0	177.3	264.1
21.800	0.000	0.0	178.5	264.5
21.850	0.000	0.0	178.7	265.6
21.900	0.000	0.0	177.5	267.0
21.950	0.000	0.0	177.3	266.9
22.000	0.000	0.0	178.5	267.4
22.050	0.000	0.0	178.7	268.4
22.100	0.000	0.0	177.5	267.2
22.150	0.000	0.0	177.3	267.5
22.200	0.000	0.0	178.5	268.2
22.250	0.000	0.0	178.7	268.5
22.300	0.000	0.0	177.5	270.0
22.350	0.000	0.0	177.3	269.9
22.400	0.000	0.0	178.5	270.0
22.450	0.000	0.0	178.7	269.8
22.500	0.000	0.0	177.5	269.0
22.550	0.000	0.0	177.3	269.5
22.600	0.000	0.0	178.5	270.4
22.650	0.000	0.0	178.7	271.8
22.700	0.000	0.0	177.5	273.1
22.750	0.000	0.0	177.3	273.6
22.800	0.000	0.0	178.5	274.1
22.850	0.000	0.0	178.7	274.5
22.900	0.000	0.0	177.5	275.4
22.950	0.000	0.0	177.3	274.9
23.000	0.000	0.0	178.5	274.0
23.050	0.000	0.0	178.7	273.4
23.100	0.000	0.0	177.5	274.7
23.150	0.000	0.0	177.3	274.6
23.200	0.000	0.0	178.5	274.6
23.250	0.000	0.0	178.7	276.5
23.300	0.000	0.0	177.5	276.3
23.350	0.000	0.0	177.3	277.5
23.400	0.000	0.0	178.5	277.9
23.450	0.000	0.0	178.7	277.7

23.500	0.000	0.0	177.5	277.8
23.550	0.000	0.0	177.3	278.9
23.600	0.000	0.0	178.5	280.5
23.650	0.000	0.0	178.7	280.9
23.700	0.000	0.0	177.5	282.2
23.750	0.000	0.0	177.3	281.8
23.800	0.000	0.0	178.5	281.1
23.850	0.000	0.0	178.7	281.3
23.900	0.000	0.0	177.5	282.2
23.950	0.000	0.0	177.3	283.3
24.000	0.000	0.0	178.5	283.7
24.050	0.000	0.0	178.7	284.0
24.100	0.000	0.0	177.5	285.5
24.150	0.000	0.0	177.3	287.4
24.200	0.000	0.0	178.5	288.3
24.250	0.000	0.0	178.7	288.3
24.300	0.000	0.0	177.5	289.1
24.350	0.000	0.0	177.3	290.0
24.400	0.000	0.0	178.5	289.8
24.450	0.000	0.0	178.7	290.3
24.500	0.000	0.0	177.5	290.5
24.550	0.000	0.0	177.3	291.2
24.600	0.000	0.0	178.5	292.8
24.650	0.000	0.0	178.7	293.9
24.700	0.000	0.0	177.5	293.2
24.750	0.000	0.0	177.3	293.9
24.800	0.000	0.0	178.5	293.3
24.850	0.000	0.0	178.7	294.5
24.900	0.000	0.0	177.5	294.7
24.950	0.000	0.0	177.3	296.4
25.000	0.000	0.0	178.5	297.3
25.050	0.000	0.0	178.7	297.9
25.100	0.000	0.0	177.5	297.9
25.150	0.000	0.0	177.3	298.4
25.200	0.000	0.0	178.5	299.0
25.250	0.000	0.0	178.7	298.3
25.300	0.000	0.0	177.5	297.9
25.350	0.000	0.0	177.3	298.5
25.400	0.000	0.0	178.5	299.3
25.450	0.000	0.0	178.7	300.0
25.500	0.000	0.0	177.5	300.4
25.550	0.000	0.0	177.3	301.3
25.600	0.000	0.0	178.5	302.5
25.650	0.000	0.0	178.7	302.5
25.700	0.000	0.0	177.5	302.4
25.750	0.000	0.0	177.3	301.8
25.800	0.000	0.0	178.5	302.8
25.850	0.000	0.0	178.7	302.5
25.900	0.000	0.0	177.5	303.9
25.950	0.000	0.0	177.3	305.1
26.000	0.000	0.0	178.5	304.9
26.050	0.000	0.0	178.7	305.1
26.100	0.000	0.0	177.5	305.4

26.150	0.000	0.0	177.3	305.6
26.200	0.000	0.0	178.5	306.6
26.250	0.000	0.0	178.7	307.1
26.300	0.000	0.0	177.5	308.1
26.350	0.000	0.0	177.3	308.9
26.400	0.000	0.0	178.5	309.4
26.450	0.000	0.0	178.7	310.5
26.500	0.000	0.0	177.5	310.5
26.550	0.000	0.0	177.3	310.7
26.600	0.000	0.0	178.5	311.4
26.650	0.000	0.0	178.7	311.9
26.700	0.000	0.0	177.5	312.5
26.750	0.000	0.0	177.3	312.5
26.800	0.000	0.0	178.5	314.1
26.850	0.000	0.0	178.7	315.3
26.900	0.000	0.0	177.5	316.1
26.950	0.000	0.0	177.3	316.1
27.000	0.000	0.0	178.5	317.4
27.050	0.000	0.0	178.7	316.3
27.100	0.000	0.0	177.5	316.2
27.150	0.000	0.0	177.3	317.7
27.200	0.000	0.0	178.5	317.4
27.250	0.000	0.0	178.7	318.1
27.300	0.000	0.0	177.5	318.9
27.350	0.000	0.0	177.3	318.8
27.400	0.000	0.0	178.5	318.5
27.450	0.000	0.0	178.7	318.6
27.500	0.000	0.0	177.5	319.0
27.550	0.000	0.0	177.3	318.7
27.600	0.000	0.0	178.5	319.8
27.650	0.000	0.0	178.7	319.6
27.700	0.000	0.0	177.5	319.6
27.750	0.000	0.0	177.3	319.6
27.800	0.000	0.0	178.5	319.8
27.850	0.000	0.0	178.7	320.2
27.900	0.000	0.0	177.5	320.1
27.950	0.000	0.0	177.3	318.9
28.000	0.000	0.0	178.5	318.1
28.050	0.000	0.0	178.7	318.4
28.100	0.000	0.0	177.5	318.6
28.150	0.000	0.0	177.3	318.6
28.200	0.000	0.0	178.5	319.1
28.250	0.000	0.0	178.7	319.8
28.300	0.000	0.0	177.5	319.9
28.350	0.000	0.0	177.3	319.8
28.400	0.000	0.0	178.5	319.0
28.450	0.000	0.0	178.7	318.1
28.500	0.000	0.0	177.5	319.0
28.550	0.000	0.0	177.3	319.2
28.600	0.000	0.0	178.5	318.9
28.650	0.000	0.0	178.7	319.5
28.700	0.000	0.0	177.5	318.5
28.750	0.000	0.0	177.3	318.5



28.800	0.000	0.0	178.5	317.4
28.850	0.000	0.0	178.7	318.0
28.900	0.000	0.0	177.5	318.4
28.950	0.000	0.0	177.3	318.2
29.000	0.000	0.0	178.5	317.9
29.050	0.000	0.0	178.7	318.5
29.100	0.000	0.0	177.5	319.5
29.150	0.000	0.0	177.3	319.3
29.200	0.000	0.0	178.5	318.2
29.250	0.000	0.0	178.7	317.6
29.300	0.000	0.0	177.5	317.1
29.350	0.000	0.0	177.3	316.2
29.400	0.000	0.0	178.5	315.3
29.450	0.000	0.0	178.7	314.5
29.500	0.000	0.0	177.5	315.0
29.550	0.000	0.0	177.3	315.4
29.600	0.000	0.0	178.5	315.4
29.650	0.000	0.0	178.7	313.9
29.700	0.000	0.0	177.5	313.8
29.750	0.000	0.0	177.3	311.6
29.800	0.000	0.0	178.5	311.9
29.850	0.000	0.0	178.7	311.4
29.900	0.000	0.0	177.5	311.0
29.950	0.000	0.0	177.3	310.6
30.000	0.000	0.0	178.5	309.5

\*\* Hydropneumatic tank at node HT-1 \*\*

Time (s)	Volume (m3)	Head-Gas (m)	Head-Pipe (m)	Inflow (cms)
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0.0000	5.000	292.2	292.2	0.000
0.1000	5.000	292.2	292.2	0.000
0.2000	5.000	292.2	292.2	0.000
0.3000	5.000	292.2	292.2	0.000
0.4000	5.000	292.2	292.2	0.000
0.5000	5.000	292.2	292.2	0.000
0.6000	5.000	292.2	292.2	-0.007
0.7000	5.003	292.2	292.1	-0.066
0.8000	5.014	291.9	291.7	-0.149
0.9000	5.033	291.4	291.0	-0.234
1.0000	5.061	290.8	290.0	-0.313
1.1000	5.096	290.0	288.8	-0.384
1.2000	5.137	289.0	287.4	-0.444
1.3000	5.184	288.0	286.0	-0.495
1.4000	5.236	286.8	284.5	-0.539
1.5000	5.292	285.6	283.0	-0.575
1.6000	5.351	284.4	281.4	-0.605
1.7000	5.412	283.1	279.9	-0.629
1.8000	5.476	281.8	278.5	-0.647
1.9000	5.542	280.6	276.9	-0.676
2.0000	5.612	279.2	275.1	-0.716

2.1000	5.686	277.9	273.1	-0.768
2.2000	5.765	276.5	271.1	-0.814
2.3000	5.849	275.0	269.0	-0.863
2.4000	5.937	273.5	266.9	-0.904
2.5000	6.029	272.0	265.0	-0.934
2.6000	6.124	270.5	263.0	-0.965
2.7000	6.222	269.0	261.1	-0.993
2.8000	6.323	267.6	259.2	-1.016
2.9000	6.425	266.1	257.6	-1.031
3.0000	6.529	264.7	256.0	-1.040
3.1000	6.633	263.3	254.4	-1.054
3.2000	6.740	262.0	252.7	-1.075
3.3000	6.849	260.6	250.9	-1.098
3.4000	6.958	259.4	250.2	-1.063
3.5000	7.060	258.2	250.3	-0.986
3.6000	7.155	257.1	250.4	-0.916
3.7000	7.243	256.2	250.3	-0.854
3.8000	7.326	255.3	250.2	-0.793
3.9000	7.402	254.5	250.2	-0.735
4.0000	7.473	253.8	250.1	-0.681
4.1000	7.538	253.2	249.9	-0.631
4.2000	7.599	252.6	249.9	-0.580
4.3000	7.654	252.0	249.8	-0.522
4.4000	7.703	251.6	249.9	-0.458
4.5000	7.745	251.2	250.0	-0.383
4.6000	7.781	250.9	249.9	-0.345
4.7000	7.815	250.6	249.7	-0.319
4.8000	7.845	250.3	249.6	-0.290
4.9000	7.873	250.0	249.5	-0.268
5.0000	7.899	249.8	249.3	-0.243
5.1000	7.922	249.6	249.2	-0.218
5.2000	7.942	249.4	249.1	-0.193
5.3000	7.960	249.3	249.1	-0.162
5.4000	7.975	249.1	249.0	-0.131
5.5000	7.986	249.0	249.0	-0.107
5.6000	7.996	249.0	248.9	-0.096
5.7000	8.005	248.9	248.8	-0.071
5.8000	8.009	248.8	248.8	-0.009
5.9000	8.006	248.9	249.0	0.070
6.0000	7.996	249.0	249.4	0.142
6.1000	7.978	249.1	249.9	0.203
6.2000	7.956	249.3	250.5	0.239
6.3000	7.930	249.5	251.1	0.277
6.4000	7.901	249.8	251.8	0.315
6.5000	7.868	250.1	252.5	0.346
6.6000	7.831	250.4	253.3	0.376
6.7000	7.792	250.8	254.2	0.411
6.8000	7.749	251.2	255.1	0.445
6.9000	7.704	251.6	255.9	0.462
7.0000	7.658	252.0	256.3	0.460
7.1000	7.612	252.4	256.5	0.451
7.2000	7.568	252.9	256.6	0.428
7.3000	7.526	253.3	257.0	0.431

7.4000	7.481	253.7	258.0	0.462
7.5000	7.433	254.2	259.2	0.497
7.6000	7.382	254.7	260.3	0.527
7.7000	7.327	255.3	261.5	0.557
7.8000	7.270	255.9	262.7	0.583
7.9000	7.211	256.5	263.9	0.604
8.0000	7.150	257.2	265.1	0.625
8.1000	7.085	257.9	266.6	0.659
8.2000	7.017	258.7	268.6	0.701
8.3000	6.945	259.5	270.7	0.744
8.4000	6.868	260.4	273.2	0.797
8.5000	6.787	261.4	274.8	0.816
8.6000	6.705	262.4	276.4	0.834
8.7000	6.620	263.5	278.4	0.858
8.8000	6.533	264.7	280.4	0.882
8.9000	6.444	265.9	282.0	0.893
9.0000	6.355	267.1	283.4	0.899
9.1000	6.265	268.4	284.8	0.901
9.2000	6.174	269.8	286.1	0.901
9.3000	6.085	271.1	287.2	0.892
9.4000	5.996	272.6	288.2	0.880
9.5000	5.909	274.0	288.5	0.850
9.6000	5.826	275.4	289.0	0.821
9.7000	5.744	276.8	290.3	0.818
9.8000	5.662	278.3	291.9	0.820
9.9000	5.580	279.8	293.1	0.812
10.000	5.500	281.4	294.3	0.800
10.100	5.420	283.0	295.5	0.790
10.200	5.342	284.6	297.0	0.786
10.300	5.263	286.2	298.8	0.789
10.400	5.184	288.0	300.5	0.789
10.500	5.105	289.8	302.3	0.789
10.600	5.026	291.6	304.3	0.793
10.700	4.946	293.6	306.7	0.806
10.800	4.865	295.6	308.6	0.805
10.900	4.786	297.7	310.2	0.789
11.000	4.708	299.8	311.8	0.772
11.100	4.631	301.9	313.2	0.747
11.200	4.558	304.0	314.6	0.723
11.300	4.487	306.2	315.9	0.694
11.400	4.419	308.3	317.3	0.668
11.500	4.354	310.4	318.8	0.644
11.600	4.290	312.5	320.3	0.621
11.700	4.230	314.6	321.6	0.590
11.800	4.173	316.6	322.6	0.545
11.900	4.121	318.5	323.4	0.492
12.000	4.074	320.2	324.3	0.449
12.100	4.031	321.9	325.3	0.414
12.200	3.991	323.4	326.3	0.375
12.300	3.955	324.9	327.3	0.350
12.400	3.922	326.2	328.2	0.310
12.500	3.893	327.4	329.0	0.274
12.600	3.867	328.5	329.7	0.244

12.700	3.844	329.5	330.5	0.217
12.800	3.824	330.4	331.1	0.184
12.900	3.807	331.1	331.6	0.158
13.000	3.792	331.8	332.2	0.146
13.100	3.777	332.4	332.8	0.141
13.200	3.764	333.0	333.4	0.127
13.300	3.752	333.6	333.8	0.114
13.400	3.741	334.1	334.2	0.096
13.500	3.733	334.4	334.5	0.064
13.600	3.728	334.7	334.7	0.038
13.700	3.726	334.8	334.8	0.012
13.800	3.726	334.8	334.8	-0.015
13.900	3.729	334.6	334.6	-0.052
14.000	3.736	334.3	334.2	-0.093
14.100	3.748	333.8	333.6	-0.145
14.200	3.765	333.0	332.7	-0.197
14.300	3.787	332.0	331.5	-0.242
14.400	3.813	330.8	330.2	-0.279
14.500	3.843	329.5	328.7	-0.320
14.600	3.877	328.1	327.2	-0.346
14.700	3.912	326.6	325.5	-0.369
14.800	3.951	325.1	323.8	-0.396
14.900	3.992	323.4	322.0	-0.423
15.000	4.035	321.7	320.2	-0.441
15.100	4.080	320.0	318.4	-0.449
15.200	4.125	318.3	316.6	-0.462
15.300	4.172	316.6	314.9	-0.467
15.400	4.218	315.0	313.2	-0.469
15.500	4.265	313.3	311.6	-0.471
15.600	4.313	311.7	309.9	-0.472
15.700	4.360	310.2	308.3	-0.478
15.800	4.409	308.6	306.6	-0.495
15.900	4.459	307.0	305.0	-0.506
16.000	4.510	305.5	303.4	-0.512
16.100	4.561	303.9	301.8	-0.520
16.200	4.613	302.4	300.2	-0.528
16.300	4.667	300.9	298.5	-0.549
16.400	4.723	299.3	296.7	-0.572
16.500	4.782	297.8	294.9	-0.594
16.600	4.842	296.2	293.2	-0.611
16.700	4.904	294.6	291.3	-0.636
16.800	4.970	293.0	289.4	-0.667
16.900	5.037	291.3	287.5	-0.686
17.000	5.106	289.7	285.9	-0.693
17.100	5.176	288.2	284.2	-0.700
17.200	5.246	286.6	282.6	-0.704
17.300	5.316	285.1	281.2	-0.700
17.400	5.386	283.7	279.7	-0.696
17.500	5.455	282.3	278.5	-0.683
17.600	5.523	280.9	277.3	-0.669
17.700	5.589	279.7	276.2	-0.652
17.800	5.653	278.5	275.3	-0.632
17.900	5.715	277.4	274.4	-0.601

18.000	5.774	276.3	273.6	-0.577
18.100	5.831	275.3	272.7	-0.565
18.200	5.886	274.4	271.9	-0.549
18.300	5.940	273.5	271.3	-0.524
18.400	5.992	272.6	270.6	-0.506
18.500	6.041	271.8	270.0	-0.482
18.600	6.088	271.1	269.4	-0.462
18.700	6.134	270.4	268.8	-0.444
18.800	6.177	269.7	268.2	-0.429
18.900	6.219	269.1	267.7	-0.410
19.000	6.259	268.5	267.3	-0.390
19.100	6.298	267.9	266.7	-0.384
19.200	6.336	267.4	266.3	-0.371
19.300	6.372	266.9	265.9	-0.346
19.400	6.405	266.4	265.5	-0.326
19.500	6.437	266.0	265.2	-0.311
19.600	6.467	265.5	264.8	-0.296
19.700	6.497	265.1	264.5	-0.291
19.800	6.525	264.8	264.1	-0.277
19.900	6.552	264.4	263.9	-0.260
20.000	6.577	264.1	263.6	-0.235
20.100	6.599	263.8	263.4	-0.206
20.200	6.618	263.5	263.3	-0.175
20.300	6.634	263.3	263.2	-0.144
20.400	6.647	263.2	263.0	-0.120
20.500	6.658	263.0	262.9	-0.094
20.600	6.666	262.9	262.9	-0.058
20.700	6.670	262.9	262.9	-0.027
20.800	6.671	262.9	262.9	0.006
20.900	6.669	262.9	262.9	0.040
21.000	6.663	263.0	263.1	0.072
21.100	6.654	263.1	263.3	0.100
21.200	6.643	263.2	263.5	0.125
21.300	6.630	263.4	263.8	0.146
21.400	6.614	263.6	264.2	0.168
21.500	6.596	263.8	264.6	0.191
21.600	6.576	264.1	265.0	0.213
21.700	6.553	264.4	265.5	0.232
21.800	6.529	264.7	266.0	0.253
21.900	6.503	265.1	266.6	0.274
22.000	6.475	265.4	267.1	0.283
22.100	6.446	265.8	267.6	0.293
22.200	6.416	266.3	268.2	0.309
22.300	6.384	266.7	268.8	0.324
22.400	6.351	267.2	269.5	0.337
22.500	6.317	267.7	270.1	0.347
22.600	6.282	268.2	270.7	0.356
22.700	6.246	268.7	271.3	0.361
22.800	6.209	269.2	272.1	0.374
22.900	6.171	269.8	273.0	0.395
23.000	6.131	270.4	273.7	0.406
23.100	6.090	271.1	274.6	0.416
23.200	6.047	271.7	275.6	0.436

23.300	6.003	272.5	276.6	0.455
23.400	5.956	273.2	277.7	0.472
23.500	5.908	274.0	278.8	0.490
23.600	5.859	274.8	279.8	0.498
23.700	5.808	275.7	281.0	0.511
23.800	5.757	276.6	282.1	0.521
23.900	5.704	277.5	283.3	0.533
24.000	5.650	278.5	284.4	0.538
24.100	5.596	279.5	285.5	0.545
24.200	5.541	280.6	286.8	0.557
24.300	5.485	281.7	288.0	0.562
24.400	5.430	282.8	289.0	0.555
24.500	5.374	283.9	290.1	0.556
24.600	5.318	285.1	291.3	0.557
24.700	5.263	286.3	292.6	0.559
24.800	5.207	287.5	293.7	0.557
24.900	5.151	288.7	294.9	0.555
25.000	5.096	290.0	296.1	0.550
25.100	5.041	291.3	297.2	0.544
25.200	4.987	292.5	298.3	0.536
25.300	4.934	293.8	299.3	0.520
25.400	4.883	295.1	300.2	0.501
25.500	4.834	296.4	301.2	0.488
25.600	4.786	297.7	302.3	0.479
25.700	4.738	298.9	303.3	0.467
25.800	4.692	300.2	304.4	0.457
25.900	4.647	301.5	305.3	0.437
26.000	4.604	302.7	306.2	0.421
26.100	4.563	303.9	307.2	0.406
26.200	4.523	305.1	308.2	0.396
26.300	4.484	306.3	309.2	0.384
26.400	4.446	307.4	310.2	0.372
26.500	4.409	308.6	311.3	0.364
26.600	4.374	309.7	312.2	0.347
26.700	4.340	310.8	313.0	0.326
26.800	4.308	311.9	313.8	0.311
26.900	4.278	312.9	314.6	0.294
27.000	4.250	313.9	315.4	0.277
27.100	4.223	314.8	316.2	0.263
27.200	4.197	315.7	316.9	0.243
27.300	4.174	316.5	317.5	0.221
27.400	4.153	317.3	318.1	0.204
27.500	4.134	318.0	318.7	0.180
27.600	4.117	318.6	319.1	0.156
27.700	4.103	319.2	319.5	0.129
27.800	4.091	319.6	319.9	0.112
27.900	4.080	320.0	320.1	0.090
28.000	4.073	320.3	320.3	0.061
28.100	4.068	320.4	320.5	0.035
28.200	4.066	320.5	320.5	0.009
28.300	4.067	320.5	320.5	-0.025
28.400	4.071	320.4	320.3	-0.051
28.500	4.077	320.1	320.1	-0.075

28.600	4.086	319.8	319.7	-0.096
28.700	4.096	319.4	319.3	-0.115
28.800	4.108	318.9	318.8	-0.132
28.900	4.123	318.4	318.2	-0.151
29.000	4.139	317.8	317.6	-0.168
29.100	4.156	317.2	317.0	-0.175
29.200	4.174	316.6	316.3	-0.183
29.300	4.193	315.9	315.6	-0.196
29.400	4.213	315.2	314.8	-0.210
29.500	4.234	314.4	314.0	-0.220
29.600	4.257	313.6	313.2	-0.233
29.700	4.281	312.8	312.3	-0.242
29.800	4.306	312.0	311.4	-0.258
29.900	4.332	311.1	310.5	-0.273
30.000	4.361	310.2	309.5	-0.294