

APPENDIX 4B
STORM EVENT SUMMARY DATA

Date & Time	Rainfall inches/hr	ISS Inflow MGD	ISS Tunnel Volume MG	ISS Pump #1 Flow MGD	ISS Pump #2 Flow MGD	ISS Pump #3 Flow MGD	ISS Total Pumpout MGD	JI Influent (ISS Pumpout to JI + JI Grav Inf) MGD	JI Daily Influent MGD	DMR Check	HL MGD	LL MGD	JI Gravity Influent Flow (LL+HL) MGD	ISS Pumpout to JI MGD	JI PE Flow MGD	South Shore Flow MGD	CSO MGD	SSO MGD
8/5/98 0:00	0.00	31.64	60.29	0.00	0.29	10.01	8.19	87.37			49.14	18.58	67.72	19.65		126.28		
8/5/98 1:00	0.00	30.49	60.11	0.00	0.37	24.20	24.20	85.56			45.83	17.29	63.12	22.44		121.41		
8/5/98 2:00	0.00	28.40	59.62	0.00	0.82	48.18	48.17	103.16			43.59	15.59	59.18	43.98		118.15		
8/5/98 3:00	0.00	27.96	58.43	0.00	1.10	47.94	48.09	99.75			40.56	15.09	55.65	44.10		111.85		
8/5/98 4:00	0.00	28.29	58.40	0.00	0.76	48.17	48.18	97.48			38.11	15.08	53.18	44.30		106.43		
8/5/98 5:00	0.02	29.71	58.75	0.00	0.70	48.14	48.14	95.52			36.17	15.16	51.33	44.19		100.59		
8/5/98 6:00	0.17	30.71	59.76	0.00	0.65	48.21	48.21	95.78			35.96	15.63	51.59	44.19		91.45		
8/5/98 7:00	0.01	69.36	60.36	0.00	0.19	0.15	0.00	61.32			40.28	20.49	60.76	0.56		89.64		
8/5/98 8:00	0.34	415.62	63.05	0.00	0.00	0.09	0.00	140.41			87.44	52.91	140.35	0.06		87.14		
8/5/98 9:00	2.47	319.93	67.19	0.00	0.20	6.49	6.43	157.72			99.49	52.28	151.77	5.95		87.03		
8/5/98 10:00	0.43	619.81	72.02	0.00	33.01	42.13	74.49	287.15			132.99	83.53	216.53	70.63		88.95		
8/5/98 11:00	0.15	915.20	74.63	0.00	44.86	48.04	93.06	310.78			141.04	80.70	221.74	89.04		99.59		
8/5/98 12:00	0.02	978.94	238.75	0.00	44.97	48.11	92.92	307.44			143.44	73.88	217.32	90.12		127.15		
8/5/98 13:00	0.01	536.42	278.29	0.00	44.97	48.04	93.01	297.44			140.20	68.32	208.52	88.92		184.35		
8/5/98 14:00	0.00	179.34	297.84	0.00	45.08	48.23	93.31	282.68			126.94	66.38	193.32	89.36		237.89		
8/5/98 15:00	0.00	91.58	299.05	10.60	44.86	48.17	103.22	263.30			106.58	57.07	163.65	99.65		266.71		
8/5/98 16:00	0.00	59.50	295.77	42.00	44.93	48.23	135.16	242.80			93.80	51.87	145.67	97.13		274.67		
8/5/98 17:00	0.00	51.32	290.79	42.00	45.12	48.16	135.25	232.42			89.84	45.01	134.84	97.57		273.84		
8/5/98 18:00	0.00	45.66	288.01	42.00	44.81	48.08	134.80	213.31			82.52	38.65	121.17	92.14		271.89		
8/5/98 19:00	0.00	43.11	283.77	42.00	44.85	48.14	134.99	202.71			74.46	34.51	108.97	93.74		269.42		
8/5/98 20:00	0.00	40.81	274.23	42.00	43.09	48.21	135.19	192.38			68.99	32.18	101.17	91.21		266.21		
8/5/98 21:00	0.02	40.49	266.10	42.00	0.00	0.05	42.00	98.57			65.62	31.16	96.78	1.79		262.04		
8/5/98 22:00	0.00	92.68	270.90	42.00	26.41	36.14	104.37	165.75			70.39	34.72	105.11	60.64		254.66		
8/5/98 23:00	0.01	209.57	280.60	42.00	45.12	48.12	135.23	233.64	181.43	175.00	100.39	47.12	147.50	86.14		248.47		1.1
8/6/98 0:00	0.00	69.02	275.15	42.00	45.05	48.18	135.24	223.91			92.58	39.74	132.32	91.59		243.48		
8/6/98 1:00	0.31	42.80	275.05	42.00	45.01	48.16	134.86	194.74			74.53	32.54	107.07	87.67		238.21		
8/6/98 2:00	0.01	76.57	264.30	42.00	45.04	48.16	135.19	194.33			72.13	29.02	101.14	93.18		233.82		
8/6/98 3:00	0.00	289.02	274.50	42.00	45.13	48.23	135.34	236.27			105.96	43.16	149.12	87.15		226.72		
8/6/98 4:00	0.00	92.84	280.44	42.00	45.08	48.15	135.22	237.99			100.25	44.91	145.16	92.83		221.04		
8/6/98 5:00	0.00	49.64	275.33	42.00	45.04	48.20	135.24	198.45			78.47	34.70	113.17	85.28		213.65		
8/6/98 6:00	0.00	39.65	264.10	42.00	41.39	48.18	131.45	188.59			69.34	29.69	99.03	89.56		204.65		
8/6/98 7:00	0.00	38.05	259.63	42.00	0.78	48.15	90.15	141.49			68.71	28.26	96.98	44.52		204.64		
8/6/98 8:00	0.01	75.97	254.25	42.00	0.99	52.12	94.12	145.57			68.30	29.88	98.18	47.39		212.82		
8/6/98 9:00	0.00	139.86	262.85	42.00	0.44	34.84	76.76	138.90			75.25	32.04	107.29	31.61		218.37		
8/6/98 10:00	0.00	56.07	271.53	7.64	0.00	0.09	7.64	119.68			82.77	36.63	119.40	0.28		217.22		
8/6/98 11:00	0.00	97.93	269.83	26.69	26.34	42.08	88.75	194.80			81.09	37.93	119.02	75.77		214.30		
8/6/98 12:00	0.00	202.13	313.20	40.00	48.12	52.93	141.04	279.41			113.13	51.38	164.51	114.89		209.87		
8/6/98 13:00	0.00	306.17	368.00	40.00	51.67	55.23	146.19	325.65			147.28	64.51	211.79	113.86		206.87		
8/6/98 14:00	0.00	75.40	365.90	40.00	53.01	56.14	149.25	298.56			131.29	53.01	184.30	114.25		207.66		
8/6/98 15:00	0.00	76.50	364.17	40.00	52.92	56.13	149.02	271.45			112.29	46.02	158.32	113.13		209.78		
8/6/98 16:00	0.00	133.58	361.63	40.00	52.73	55.73	148.47	260.10			107.13	41.20	148.33	111.77		214.73		
8/6/98 17:00	0.00	233.58	364.63	40.00	52.08	55.08	147.19	249.05			102.37	37.85	140.22	108.84		226.45		
8/6/98 18:00	0.07	576.62	379.08	40.00	51.99	55.12	147.13	330.28			141.84	75.96	217.80	112.48		240.95		
8/6/98 19:00	0.00	324.86	402.38	40.00	59.40	62.53	161.68	348.45			164.94	76.89	241.83	106.61		268.02		
8/6/98 20:00	0.00	37.80	399.93	40.00	59.55	62.57	162.15	341.90			166.49	72.51	239.00	102.90		295.85		
8/6/98 21:00	0.00	30.90	394.43	39.00	54.65	56.92	150.58	339.51			158.04	86.31	244.36	95.16		296.27		
8/6/98 22:00	0.00	30.62	389.13	37.00	52.88	55.00	144.86	327.55			147.04	90.70	237.73	89.82		305.29		
8/6/98 23:00	0.00	29.95	383.81	37.00	53.03	55.13	145.13	319.76	246.10	238.00	141.31	84.38	225.69	94.06		307.60	333.7	54.4
8/7/98 0:00	0.00	28.55	377.82	37.00	52.95	55.08	145.02	307.88			136.41	75.62	212.03	95.85		297.86		
8/7/98 1:00	0.00	67.79	372.82	37.00	52.88	55.24	145.11	286.25			124.01	66.83	190.84	95.41		303.47		

Date & Time	Rainfall inches/hr	ISS Inflow MGD	ISS Tunnel Volume MG	ISS Pump #1 Flow MGD	ISS Pump #2 Flow MGD	ISS Pump #3 Flow MGD	ISS Total Pumpout MGD	JI Influent (ISS Pumpout to JI + JI Grav Inf) MGD	JI Daily Influent MGD	DMR Check	HL MGD	LL MGD	JI Gravity Influent Flow (LL+HL) MGD	ISS Pumpout to JI MGD	JI PE Flow MGD	South Shore Flow MGD	CSO MGD	SSO MGD
8/7/98 2:00	0.00	76.13	373.11	37.00	51.88	55.11	143.98	264.87			112.52	56.90	169.42	95.45		298.04		
8/7/98 3:00	0.00	221.94	373.95	37.00	51.87	55.15	144.03	251.67			107.16	47.44	154.60	97.06		294.75		
8/7/98 4:00	0.00	386.30	373.65	37.00	51.86	55.07	143.94	240.87			103.37	40.48	143.85	97.02		288.95		
8/7/98 5:00	0.00	248.98	377.67	37.00	51.96	55.08	144.08	238.01			101.89	37.35	139.24	98.77		286.33		
8/7/98 6:00	0.00	102.87	376.75	37.00	51.93	55.17	144.09	237.69			102.03	36.41	138.44	99.26		297.66		
8/7/98 7:00	0.00	180.95	377.15	37.00	51.96	55.02	143.95	238.85			102.55	37.40	139.95	98.89		296.75		
8/7/98 8:00	0.00	166.67	377.73	30.83	25.99	27.58	84.39	193.14			104.46	39.86	144.32	48.81		292.85		
8/7/98 9:00	0.00	77.29	379.92	0.00	0.00	0.09	0.00	145.61			104.13	41.48	145.61	0.00		296.35		
8/7/98 10:00	0.00	74.57	381.61	20.06	16.84	46.15	79.56	192.51			102.69	43.10	145.79	46.72		297.09		
8/7/98 11:00	0.00	81.33	378.90	40.00	53.49	57.01	150.10	257.93			101.80	42.85	144.65	113.28		296.69		
8/7/98 12:00	0.08	75.96	373.75	40.00	52.48	57.12	149.59	254.74			101.45	41.73	143.17	111.57		293.95		
8/7/98 13:00	0.00	28.66	370.62	40.00	30.46	56.99	127.13	262.01			110.54	64.94	175.47	86.54		290.59		
8/7/98 14:00	0.00	52.47	367.58	40.00	2.13	57.06	97.06	280.86			143.19	85.80	229.00	51.86		288.25		
8/7/98 15:00	0.00	51.60	365.18	40.00	17.80	54.47	111.55	284.88			142.83	86.49	229.32	55.56		286.32		
8/7/98 16:00	0.00	24.88	365.60	10.00	0.76	54.08	64.08	225.42			135.91	76.54	212.45	12.97		283.02		
8/7/98 17:00	0.00	22.28	362.19	0.00	1.10	54.02	54.02	208.01			120.63	75.05	195.68	12.34		280.53		
8/7/98 18:00	0.00	21.53	359.40	39.72	27.66	54.09	120.83	247.80			107.07	61.17	168.24	79.56		279.82		
8/7/98 19:00	0.00	19.42	355.67	40.09	50.84	54.19	145.12	252.98			101.92	45.49	147.41	105.58		277.84		
8/7/98 20:00	0.00	18.70	349.92	39.91	51.02	54.07	145.00	243.91			98.98	39.53	138.51	105.40		275.57		
8/7/98 21:00	0.00	18.44	345.49	40.07	26.31	0.23	65.57	170.41			100.09	43.56	143.66	26.76		275.50		
8/7/98 22:00	0.01	16.67	345.16	8.77	18.07	35.80	62.05	176.53			99.72	41.51	141.23	35.30		274.37		
8/7/98 23:00	0.00	17.47	341.14	38.79	39.60	54.12	131.84	225.81	237.03	240.00	91.90	39.01	130.90	94.91		271.33	85.7	24
8/8/98 0:00	0.00	16.93	336.58	39.16	47.99	54.10	141.27	224.54			85.29	36.22	121.52	103.03		268.69		
8/8/98 1:00	0.00	14.68	329.42	38.99	47.27	54.19	140.45	215.55			79.61	33.53	113.13	102.42		266.11		
8/8/98 2:00	0.00	13.13	324.77	38.68	46.79	53.99	139.04	209.23			75.81	31.99	107.80	101.42		260.03		
8/8/98 3:00	0.00	32.17	321.85	38.54	46.79	54.15	139.39	204.42			72.80	30.05	102.84	101.58		254.24		
8/8/98 4:00	0.00	97.16	316.52	38.30	47.58	53.80	140.00	201.31			70.49	28.87	99.36	101.95		251.01		
8/8/98 5:00	0.00	25.53	314.01	38.11	47.39	54.00	139.54	197.42			68.12	27.50	95.61	101.80		245.59		
8/8/98 6:00	0.00	107.92	311.72	37.91	47.20	54.02	138.93	194.23			66.02	26.41	92.43	101.80		219.62		
8/8/98 7:00	0.00	192.44	312.65	37.91	46.93	53.98	138.77	177.36			65.62	25.63	91.25	86.10		213.71		
8/8/98 8:00	0.00	132.06	313.67	37.51	46.81	54.21	138.49	146.32			68.93	25.44	94.38	51.94		211.90		
8/8/98 9:00	0.00	44.58	313.37	37.18	46.92	54.02	137.94	159.25			72.77	26.77	99.54	59.70		211.64		
8/8/98 10:00	0.00	43.19	310.79	36.83	46.64	54.19	137.63	169.56			76.07	28.01	104.07	65.49		212.77		
8/8/98 11:00	0.00	44.06	304.53	36.63	46.18	53.07	135.96	168.02			79.30	28.89	108.19	59.83		216.07		
8/8/98 12:00	0.00	42.44	299.93	36.37	45.96	53.15	135.47	175.87			80.22	28.73	108.95	66.92		219.17		
8/8/98 13:00	0.00	43.89	296.97	36.15	45.17	53.08	135.04	169.86			79.86	28.42	108.29	61.58		224.06		
8/8/98 14:00	0.00	42.75	294.48	36.08	45.35	53.13	134.57	171.05			80.12	27.46	107.58	63.47		226.41		
8/8/98 15:00	0.02	42.35	288.98	35.95	45.20	52.98	134.18	165.79			78.98	27.02	106.00	59.79		229.16		
8/8/98 16:00	0.00	43.10	286.00	35.95	44.94	52.19	133.18	168.25			76.91	26.67	103.58	64.67		229.52		
8/8/98 17:00	0.00	41.90	275.95	35.65	44.63	52.14	132.41	160.99			73.68	25.89	99.57	61.42		229.68		
8/8/98 18:00	0.00	40.92	263.41	35.80	44.44	52.11	132.39	155.72			72.42	26.40	98.82	56.89		230.58		
8/8/98 19:00	0.00	41.28	261.31	35.73	44.36	52.11	132.21	153.43			71.77	26.06	97.83	55.59		229.12		
8/8/98 20:00	0.00	43.61	253.46	35.50	44.06	52.02	131.61	156.90			71.12	24.45	95.57	61.33		229.58		
8/8/98 21:00	0.00	40.46	251.77	35.50	44.14	51.83	131.72	153.60			70.13	24.09	94.22	59.38		228.57		
8/8/98 22:00	0.00	39.66	249.54	35.42	43.91	52.16	131.50	154.05			68.07	24.31	92.38	61.67		227.76		
8/8/98 23:00	0.00	39.23	251.33	35.24	43.83	51.98	131.04	150.97	175.15	198.00	67.31	24.22	91.53	59.45		225.42	10.9	
8/9/98 0:00	0.00	3.00	248.06		43.50	52.13	131.11	150.63			66.14	23.29	89.43	61.20		222.78		
8/9/98 1:00	0.00	2.71	249.14		43.59	52.15	130.82	143.84			63.58	21.80	85.39	58.45		220.67		
8/9/98 2:00	0.00	3.07	241.24		43.22	52.11	130.03	137.71			59.82	20.96	80.78	56.93		212.17		
8/9/98 3:00	0.00	2.90	226.07		43.17	52.07	129.99	135.33			56.97	19.86	76.83	58.50		203.27		

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8/9/98 4:00	0.00	3.13	207.93		44.29	52.04	131.20	135.37			54.21	19.44	73.65	61.72		201.53		
8/9/98 5:00	0.00	3.15	203.77		45.57	52.14	132.03	132.88			52.04	18.91	70.96	61.93		196.87		
8/9/98 6:00	0.00	3.01	198.91		45.72	52.14	132.30	129.22			50.75	18.63	69.38	59.84		194.02		
8/9/98 7:00	0.00	2.87	193.28		45.53	52.11	131.91	130.48			50.79	18.66	69.45	61.03		183.78		
8/9/98 8:00	0.00	3.23	189.27		45.37	47.80	121.54	128.99			53.03	19.44	72.47	56.53		173.57		
8/9/98 9:00	0.00	5.89	187.82		7.62	0.07	7.60	79.32			57.27	20.90	78.17	1.15		164.22		
8/9/98 10:00	0.00		185.39		26.06	29.01	75.25	118.80			65.51	23.36	88.88	29.93		150.86		
8/9/98 11:00	0.00		183.07		45.07	50.00	129.21	156.77			72.79	25.07	97.86	58.91		160.13		
8/9/98 12:00	0.00		178.02		45.11	49.94	128.94	155.49			76.36	25.09	101.45	54.03		158.39		
8/9/98 13:00	0.00		173.35		45.06	50.17	128.70	162.05			77.60	25.49	103.10	58.95		161.45		
8/9/98 14:00	0.00		168.32		45.07	50.20	128.58	166.09			78.75	25.15	103.90	62.19		165.76		
8/9/98 15:00	0.00		163.77		45.10	50.20	128.59	159.30			78.37	24.54	102.90	56.40		170.38		
8/9/98 16:00	0.00		159.77		44.96	50.19	128.51	157.62			78.26	24.21	102.46	55.16		173.79		
8/9/98 17:00	0.00		155.09		45.06	49.81	128.53	158.71			77.68	24.11	101.79	56.92		175.43		
8/9/98 18:00	0.00		150.48		45.09	50.12	128.56	160.48			76.42	23.75	100.16	60.32		175.12		
8/9/98 19:00	0.00		145.42		45.06	50.19	128.58	155.09			76.87	22.40	99.28	55.81		175.37		
8/9/98 20:00	0.00		141.10		45.02	50.07	128.24	154.63			75.88	22.26	98.14	56.49		178.53		
8/9/98 21:00	0.00		135.64		45.03	50.09	128.24	153.61			75.19	22.48	97.67	55.94		181.24		
8/9/98 22:00	0.00		130.73		45.07	50.16	128.31	155.10			72.18	22.87	95.05	60.05		180.51		
8/9/98 23:00	0.00		126.98		45.10	50.18	128.29	149.19	144.45	167.00	69.62	22.97	92.59	56.60		180.05		
8/10/98 0:00	0.00		122.28		45.06	50.15	128.51	145.43			67.27	22.10	89.37	56.06		179.13		
8/10/98 1:00	0.00		117.68		45.16	50.27	128.77	143.13			63.61	20.81	84.41	58.72		177.60		
8/10/98 2:00	0.00		112.15		45.03	50.15	128.56	137.46			59.95	20.20	80.15	57.31		175.78		
8/10/98 3:00	0.00		107.92		44.99	49.98	128.29	137.13			55.68	18.58	74.27	62.86		172.77		
8/10/98 4:00	0.00		103.50		37.49	50.09	120.60	121.98			53.75	18.13	71.88	50.10		169.94		
8/10/98 5:00	0.00		100.55		1.89	50.17	83.52	78.57			52.78	18.07	70.86	7.72		165.73		
8/10/98 6:00	0.00		97.49		0.80	46.00	79.08	74.70			53.20	19.63	72.83	1.87		162.09		
8/10/98 7:00	0.00		96.75		0.67	0.15	33.17	79.15			56.20	22.94	79.15	0.00		157.88		
8/10/98 8:00	0.00		95.04		0.59	33.40	62.23	100.10			62.09	26.89	88.97	11.12		154.73		
8/10/98 9:00	0.00		93.35		0.44	31.94	54.86	114.53			67.12	28.87	95.99	18.54		151.59		
8/10/98 10:00	0.00		94.09		0.00	0.06	0.00	113.03			70.60	30.61	101.21	11.82		151.69		
8/10/98 11:00	0.00		95.47		0.00	0.07	0.00	104.52			73.53	30.87	104.39	0.12		151.48		
8/10/98 12:00	0.00		94.74		1.07	35.56	57.47	136.99			75.13	30.96	106.08	30.91		148.89		
8/10/98 13:00	0.00		93.04		0.45	48.19	81.08	149.88			75.55	31.18	106.73	43.15		146.25		
8/10/98 14:00	0.00		91.14		0.43	48.13	81.19	150.95			76.74	30.85	107.59	43.36		144.52		
8/10/98 15:00	0.00		88.98		0.53	48.25	81.31	151.46			75.93	32.08	108.01	43.45		148.29		
8/10/98 16:00	0.00		85.76		36.68	47.87	117.23	186.64			74.95	30.83	105.79	80.86		151.37		
8/10/98 17:00	0.00		81.68		43.94	49.26	125.77	197.49			75.46	29.57	105.03	92.46		155.15		
8/10/98 18:00	0.00		78.32		43.66	49.18	125.57	194.51			74.47	27.85	102.33	92.19		157.93		
8/10/98 19:00	0.00		74.14		43.86	49.25	125.99	190.17			73.69	26.29	99.98	90.19		161.05		
8/10/98 20:00	0.00		70.84		11.48	49.25	92.92	149.53			72.77	25.30	98.08	51.45		162.46		
8/10/98 21:00	0.00		69.87		0.11	8.22	13.56	105.74			71.20	25.49	96.69	9.04		163.28		
8/10/98 22:00	0.00		70.52		0.56	24.67	43.73	139.56			70.22	24.75	94.97	44.59		164.03		
8/10/98 23:00	0.00		67.87		0.76	49.36	81.94	173.66	136.51	144.00	68.20	24.76	92.96	80.70		161.58		
8/11/98 0:00	0.00		65.63		0.46	49.23	81.81	168.68			66.51	23.55	90.05	78.62		155.94		
8/11/98 1:00	0.00		63.51		0.77	49.25	81.80	168.28			63.98	22.05	86.04	82.24		149.73		
8/11/98 2:00	0.00		60.88		0.79	49.27	82.00	162.11			60.78	20.86	81.63	80.47		142.58		
8/11/98 3:00	0.00		58.55		0.65	49.28	81.81	157.88			56.90	20.24	77.14	80.74		135.05		
8/11/98 4:00	0.00		56.08		0.88	49.27	81.63	151.09			52.99	19.53	72.52	78.58		128.06		
8/11/98 5:00	0.00		53.74		0.52	49.31	81.39	150.45			50.88	19.44	70.33	80.12		120.55		

Date & Time	Rainfall inches/hr	ISS Inflow MGD	ISS Tunnel Volume MG	ISS Pump #1 Flow MGD	ISS Pump #2 Flow MGD	ISS Pump #3 Flow MGD	ISS Total Pumpout MGD	JI Influent (ISS Pumpout to JI + JI Grav Inf) MGD	JI Daily Influent MGD	DMR Check	HL MGD	LL MGD	JI Gravity Influent Flow (LL+HL) MGD	ISS Pumpout to JI MGD	JI PE Flow MGD	South Shore Flow MGD	CSO MGD	SSO MGD
8/11/98 6:00	0.00		51.12		0.73	49.27	81.11	150.53			51.14	20.16	71.31	79.22		115.24		
8/11/98 7:00	0.00		49.14		0.66	49.33	80.84	158.52			55.49	23.21	78.70	79.83		109.58		
8/11/98 8:00	0.00		46.74		0.26	49.26	80.58	169.12			62.55	25.92	88.47	80.65		105.59		
8/11/98 9:00	0.00		45.13		0.85	41.08	67.86	164.76			66.40	28.73	95.13	69.63		102.73		
8/11/98 10:00	0.00		45.01		0.00	0.06	0.00	98.67			69.04	29.61	98.65	0.02		101.99		
8/11/98 11:00	0.00		43.93		0.78	49.26	80.92	179.41			69.95	30.39	100.34	79.07		102.48		
8/11/98 12:00	0.00		42.15		0.37	49.21	80.91	175.35			70.07	29.79	99.86	75.49		105.01		
8/11/98 13:00	0.00		39.38		40.31	49.32	120.79	195.77			70.52	30.07	100.60	95.18		107.20		
8/11/98 14:00	0.00		35.88		43.91	49.31	124.42	192.21			70.89	30.10	100.98	91.23		110.39		
8/11/98 15:00	0.00		31.91		43.90	49.31	123.97	187.78			70.66	29.38	100.03	87.75		114.44		
8/11/98 16:00	0.00		28.12		43.96	49.03	123.80	191.11			68.44	28.32	96.76	94.35		120.93		
8/11/98 17:00	0.00		24.46		40.03	31.19	97.69	167.13			66.68	27.34	94.02	73.11		129.61		
8/11/98 18:00	0.00		24.44		0.00	0.08	0.00	95.07			66.78	26.07	92.85	2.22		135.39		
8/11/98 19:00	0.00		25.43		0.00	0.09	0.00	92.77			67.01	25.43	92.43	0.33		139.25		
8/11/98 20:00	0.00		25.86		0.00	0.09	0.00	92.45			67.40	24.79	92.19	0.26		138.53		
8/11/98 21:00	0.00		27.44		0.00	0.08	0.00	92.43			67.85	24.31	92.16	0.27		133.94		
8/11/98 22:00	0.00		28.27		7.37	15.64	22.01	109.92			66.24	24.20	90.44	19.47		129.29		
8/11/98 23:00	0.00		26.08		43.93	49.40	123.98	181.25	152.20	152.00	64.12	23.84	87.96	93.28		125.69		
8/12/98 0:00	0.00		21.59		43.89	49.33	123.55	176.21			62.03	22.70	84.72	91.48		122.25		
8/12/98 1:00	0.00		17.78		44.02	48.90	123.19	171.87			59.29	21.53	80.82	91.05		122.39		
8/12/98 2:00	0.00		14.75		8.01	46.46	84.26	123.74			55.48	20.12	75.59	48.15		126.06		
8/12/98 3:00	0.00		12.59		0.91	46.22	76.41	115.50			52.52	19.65	72.18	43.33		129.14		
8/12/98 4:00	0.00		10.95		0.56	46.25	76.53	112.57			49.92	18.94	68.85	43.71		130.54		
8/12/98 5:00	0.00		8.31		1.12	46.23	75.69	111.64			48.66	19.17	67.83	43.81		130.97		
8/12/98 6:00	0.00		6.30		0.52	46.20	75.28	111.60			48.74	19.76	68.51	43.09		125.65		
8/12/98 7:00	0.00		4.44		1.16	46.28	74.72	118.27			52.20	22.50	74.70	43.57		125.17		
8/12/98 8:00	0.00		2.50		0.61	45.79	73.45	126.81			57.26	26.28	83.54	43.27		124.47		
8/12/98 9:00	0.00		1.61		0.45	24.71	34.50	114.09			61.01	28.39	89.40	24.70		123.81		
8/12/98 10:00	0.00		2.11		0.00	0.05	0.00	90.95			61.97	28.69	90.67	0.28		124.09		
8/12/98 11:00	0.00		2.67		0.00	0.09	0.00	87.02			57.72	28.96	86.68	0.33		123.79		
8/12/98 12:00	0.00		4.23		0.00	0.08	0.00	82.27			53.46	28.48	81.95	0.33		121.58		
8/12/98 13:00	0.00		5.71		0.00	0.05	0.00	80.28			52.56	27.35	79.91	0.37		119.80		
8/12/98 14:00	0.00		7.19		0.00	0.05	0.00	81.36			53.26	27.73	80.99	0.37		117.95		
8/12/98 15:00	0.00		9.20		0.00	0.07	0.00	83.46			55.58	27.52	83.11	0.35		114.71		
8/12/98 16:00	0.00		10.98		0.00	0.05	0.00	95.21			67.03	27.83	94.86	0.34		113.25		
8/12/98 17:00	0.00		11.85		0.00	0.03	0.00	95.31			68.71	26.23	94.94	0.37		112.55		
8/12/98 18:00	0.00		12.70		0.00	0.06	0.00	91.63			66.61	24.67	91.28	0.35		109.73		
8/12/98 19:00	0.00		13.43		0.00	0.04	0.00	90.18			66.19	23.62	89.81	0.37		109.20		
8/12/98 20:00	0.00		14.88		0.00	0.05	0.00	89.27			66.34	22.60	88.94	0.33		108.68		
8/12/98 21:00	0.00		16.07		0.00	0.02	0.00	89.15			65.77	23.02	88.79	0.36		108.52		
8/12/98 22:00	0.00		16.90		1.29	38.25	34.71	122.67			65.43	23.90	89.33	33.34		108.79		
8/12/98 23:00	0.00		16.15		1.09	48.07	48.07	131.59	108.03	117.00	64.04	23.12	87.16	44.43		108.76		
8/13/98 0:00	0.00		15.18		1.11	48.15	48.15	128.01			61.85	21.56	83.41	44.61		108.02		
8/13/98 1:00	0.00		14.63		0.67	47.98	48.15	123.07			58.61	19.90	78.50	44.57		105.47		
8/13/98 2:00	0.00		13.46		0.96	48.16	47.98	118.38			55.04	18.63	73.67	44.70		92.02		
8/13/98 3:00	0.00		12.74		0.45	47.57	47.33	114.25			51.48	18.54	70.02	44.22		90.75		
8/13/98 4:00	0.00		11.87		37.94	42.21	80.02	140.51			49.18	17.95	67.13	73.38		92.82		
8/13/98 5:00	0.00		9.81		41.06	42.15	82.80	147.43			48.45	18.06	66.51	80.92		92.86		
8/13/98 6:00	0.00		7.10		40.81	35.25	75.98	141.31			48.10	18.88	66.97	74.34		91.77		
8/13/98 7:00	0.00		6.05		40.93	0.06	41.02	111.55			50.42	21.61	72.03	39.52		89.85		

Date & Time	Rainfall inches/hr	ISS Tunnel		ISS Pump #1 Flow MGD	ISS Pump #2 Flow MGD	ISS Pump #3 Flow MGD	ISS Total Pumpout MGD	JI Influent (ISS		JI Daily Influent MGD	DMR Check	HL MGD	LL MGD	JI Gravity Influent Flow (LL+HL) MGD		ISS Pumpout to JI MGD	JI PE Flow MGD	South Shore Flow MGD	CSO MGD	SSO MGD
		ISS Inflow MGD	Volume MG					Pumpout to JI + JI Grav Inf)												
8/13/98 8:00	0.00		5.62		41.02	0.04	41.03		119.54			55.05	24.87	79.91	39.63			88.99		
8/13/98 9:00	0.00		5.41		34.24	0.10	34.21		119.90			59.69	27.16	86.86	33.04			87.35		
8/13/98 10:00	0.00		5.77		0.00	0.02	0.00		86.06			57.16	28.57	85.73	0.33			86.86		
8/13/98 11:00	0.00		6.72		0.00	0.02	0.00		81.56			52.02	29.16	81.18	0.37			87.33		
8/13/98 12:00	0.00		8.12		0.00	0.04	0.00		79.24			50.76	28.17	78.93	0.31			86.97		
8/13/98 13:00	0.00		10.16		0.00	0.03	0.00		78.33			49.96	28.03	78.00	0.34			90.60		
8/13/98 14:00	0.00		11.61		0.00	0.05	0.00		77.78			51.03	26.41	77.45	0.33			93.68		
8/13/98 15:00	0.00		12.80		0.00	0.06	0.00		82.65			55.76	26.53	82.29	0.36			96.29		
8/13/98 16:00	0.00		14.38		0.00	0.08	0.00		92.88			66.22	26.33	92.55	0.33			98.13		
8/13/98 17:00	0.00		15.87		0.00	0.06	0.00		92.14			66.06	25.72	91.78	0.37			99.94		
8/13/98 18:00	0.00		16.92		0.00	0.07	0.00		88.14			63.64	24.16	87.80	0.34			101.67		
8/13/98 19:00	0.00		18.21		0.00	0.06	0.00		87.76			64.19	23.22	87.41	0.35			102.02		
8/13/98 20:00	0.00		19.16		0.00	0.05	0.00		87.01			63.84	22.82	86.66	0.35			103.30		
8/13/98 21:00	0.00		20.27		0.00	0.08	0.00		86.90			64.20	22.34	86.54	0.36			104.03		
8/13/98 22:00	0.00		20.60		0.43	39.39	36.02		119.98			63.23	22.48	85.70	34.28			104.10		
8/13/98 23:00	0.00		19.74		0.68	42.02	69.10		124.34	105.36	113.00	62.07	22.11	84.18	40.16			104.65		
8/14/98 0:00	0.00		17.82		0.29	42.18	71.42		120.41			59.31	20.72	80.03	40.38			105.06		
8/14/98 1:00	0.00		16.16		0.47	42.23	71.52		115.60			56.16	19.39	75.55	40.05			106.35		
8/14/98 2:00	0.00		13.88		0.75	48.17	77.73		116.77			53.41	18.65	72.06	44.71			109.95		
8/14/98 3:00	0.00		11.88		0.66	48.21	77.37		111.95			49.65	17.54	67.19	44.76			113.99		
8/14/98 4:00	0.00		10.12		0.96	48.07	77.03		108.59			46.67	17.08	63.75	44.83			116.18		
8/14/98 5:00	0.00		7.72		0.73	48.20	76.39		108.23			45.64	17.44	63.08	45.15			117.71		
8/14/98 6:00	0.00		5.78		0.47	47.50	74.82		106.94			45.04	18.16	63.20	43.74			117.39		
8/14/98 7:00	0.00		3.81		0.83	47.21	73.64		112.35			48.24	20.67	68.91	43.44			116.90		
8/14/98 8:00	0.00		1.84		0.50	27.56	52.60		102.65			53.18	23.61	76.79	25.86			116.24		
8/14/98 9:00	0.00		2.44		0.00	0.08	0.00		81.88			56.50	25.04	81.54	0.34			115.89		
8/14/98 10:00	0.00		3.21		0.00	0.08	0.00		83.99			56.33	27.24	83.57	0.42			116.41		
8/14/98 11:00	0.00		4.83		0.00	0.09	0.00		82.44			53.69	28.50	82.19	0.25			114.44		
8/14/98 12:00	0.00		5.94		0.00	0.08	0.00		80.02			52.08	27.66	79.75	0.27			112.75		
8/14/98 13:00	0.00		7.35		0.00	0.09	0.00		78.58			51.78	26.51	78.29	0.28			110.47		
8/14/98 14:00	0.00		9.45		0.00	0.09	0.00		77.92			51.22	26.30	77.53	0.40			108.47		
8/14/98 15:00	0.00		11.30		0.00	0.05	0.00		82.04			55.73	25.98	81.70	0.34			107.67		
8/14/98 16:00	0.00		12.39		0.00	0.06	0.00		92.20			66.71	25.12	91.83	0.37			106.81		
8/14/98 17:00	0.08		13.32		0.00	0.08	0.00		90.45			66.58	23.43	90.01	0.44			105.50		
8/14/98 18:00	0.01		14.69		0.00	0.05	0.00		87.33			64.55	22.37	86.92	0.41			105.95		
8/14/98 19:00	0.00		16.03		0.00	0.09	0.00		86.42			63.62	22.41	86.03	0.39			105.50		
8/14/98 20:00	0.00		17.48		0.00	0.02	0.00		93.01			69.22	23.44	92.66	0.36			105.96		
8/14/98 21:00	0.00		18.98		0.00	0.05	0.00		101.25			76.05	24.85	100.90	0.35			106.14		
8/14/98 22:00	0.00		19.87		1.12	38.26	36.21		127.86			69.99	23.55	93.55	34.32			105.71		
8/14/98 23:00	0.00		19.52		0.84	48.11	48.11		130.23	99.13	107.00	63.41	21.89	85.30	44.93			106.23		
8/15/98 0:00	0.00		18.56		0.58	47.95	47.91		124.87			60.43	19.45	79.89	44.99			105.78		
8/15/98 1:00	0.00		18.07		0.75	48.19	48.19		119.31			56.70	18.27	74.97	44.34			105.42		
8/15/98 2:00	0.00		16.65		0.45	48.18	48.18		115.35			53.13	17.55	70.68	44.67			105.10		
8/15/98 3:00	0.00		16.71		0.63	48.13	48.13		111.64			49.41	17.35	66.76	44.88			103.67		
8/15/98 4:00	0.00		15.72		0.28	48.20	48.20		108.75			47.41	16.64	64.05	44.70			101.15		
8/15/98 5:00	0.00		14.79		0.43	48.18	48.18		105.64			44.37	16.19	60.55	45.08			98.49		
8/15/98 6:00	0.00		13.44		0.76	48.18	48.18		103.29			43.03	15.80	58.83	44.46			94.61		
8/15/98 7:00	0.00		12.87		0.55	48.14	48.18		104.13			43.31	16.19	59.50	44.62			91.75		
8/15/98 8:00	0.00		12.35		1.04	48.21	48.21		110.81			48.60	17.64	66.24	44.57			88.45		
8/15/98 9:00	0.00		11.75		0.67	48.21	48.12		116.48			52.89	18.96	71.85	44.63			85.31		

Date & Time	Rainfall inches/hr	ISS Tunnel		ISS Pump		ISS Pump		ISS Total		JI Influent (ISS Pumpout to JI + JI Grav Inf)	JI Daily Influent MGD	DMR Check	HL MGD	LL MGD	JI Gravity Influent Flow (LL+HL) MGD	ISS Pumpout to JI MGD	JI PE Flow MGD	South Shore Flow MGD	CSO MGD	SSO MGD
		ISS Inflow MGD	Volume MG	#1 Flow MGD	#2 Flow MGD	#3 Flow MGD	Pumpout MGD	Pumpout MGD	Pumpout MGD											
8/15/98 10:00	0.00		11.16		0.46	48.00	48.00		123.66				58.21	21.04	79.25	44.41		83.28		
8/15/98 11:00	0.00		10.44		0.51	48.13	48.15		129.48				62.98	21.95	84.93	44.55		82.25		
8/15/98 12:00	0.00		9.67		0.48	47.41	47.41		130.80				65.41	21.69	87.10	43.70		82.47		
8/15/98 13:00	0.00		8.89		0.48	47.34	47.35		131.00				65.95	21.26	87.21	43.79		84.41		
8/15/98 14:00	0.00		8.07		0.57	47.31	47.22		130.05				65.20	20.76	85.96	44.09		87.58		
8/15/98 15:00	0.00		7.38		0.55	47.43	47.36		128.96				64.84	20.38	85.22	43.74		91.19		
8/15/98 16:00	0.00		6.76		0.69	47.49	47.49		127.23				63.59	19.94	83.53	43.70		94.37		
8/15/98 17:00	0.00		6.04		0.47	47.29	47.29		125.82				61.72	20.24	81.96	43.86		97.09		
8/15/98 18:00	0.00		5.59		0.49	47.17	47.17		123.25				60.15	19.69	79.84	43.41		98.96		
8/15/98 19:00	0.00		5.11		0.61	47.07	47.06		122.74				60.35	18.79	79.14	43.60		100.65		
8/15/98 20:00	0.00		4.18		0.74	47.25	47.25		121.64				58.78	19.04	77.82	43.82		101.37		
8/15/98 21:00	0.00		3.12		0.72	47.03	47.03		119.22				57.04	18.72	75.77	43.46		101.77		
8/15/98 22:00	0.00		2.60		0.68	46.71	46.69		119.22				57.02	19.18	76.20	43.02		102.85		
8/15/98 23:00			2.12		0.38	46.67	46.64		116.68	119.58		135.00	54.67	18.80	73.46	43.21		102.50		
Maximum		978.94	402.38				162.15		348.45				166.49	90.70		114.89		307.60		

NOTES

1) Storm event occurred before Storm Event Summary Reporting procedure was developed. Analysis developed from raw MMSD meter and rainfall gauge data.

2) The total of the metered data provided by the MMSD for the three individual pumps does not add exactly to ISS Total Pumpout.

MMSD STORM EVENT SUMMARY

Preparation date: 6/9/99

Weather Data

Start date / time of precipitation: 6/1/99 20:00
 Predicted precipitation quantity: 0.62"

Stop date / time of precipitation: 6/2/99 1:00
 Recorded precipitation quantity: .77"

ISS Information

Date / Time of CS gates closing: _____
 Date / Time of CS gate reopening: _____
 Date / Time of SS gate closing: _____
 Date / Time of SS gate reopening: _____
 Total (MG) pumped out for event: _____

Volume reserved for SS
 when CS gates closed: _____
 Volume in tunnel when
 SS gates reopened: _____

Plant Diversions

Jones Island

Date / Time-diversion started: _____
 Date / Time-diversion stopped: _____
 Type of diversion: _____
 Volume (MG) diverted: _____

South Shore

Date / Time-diversion started: _____
 Date / Time-diversion stopped: _____
 Type of diversion: _____
 Volume (MG) diverted: _____

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/01/99	20:00	21.90	9.832	84.06	103.5	0.0	0.0	0.0	12.14	
06/01/99	21:00	22.25	10.75	97.18	102.2	0.0	0.0	0.0	105.4	
06/01/99	22:00	29.32	51.56	269.3	104.2	0.0	8.321	31.65	1532.	
06/01/99	23:00	35.58	102.6	306.0	113.4	0.0	32.19	41.22	304.9	
06/02/99	00:00	36.23	109.9	279.6	121.3	0.0	32.17	41.27	113.6	
06/02/99	01:00	36.57	113.9	233.6	150.9	0.0	32.40	41.21	47.03	
06/02/99	02:00	36.52	113.3	201.0	159.4	0.0	32.55	41.20	20.07	
06/02/99	03:00	36.35	111.2	180.6	176.0	0.0	32.48	41.24	11.15	
06/02/99	04:00	35.98	106.9	164.3	208.3	0.0	32.35	41.15	10.15	
06/02/99	05:00	35.98	106.8	153.0	207.2	0.0	32.21	41.18	9.322	
06/02/99	06:00	35.76	104.4	148.1	204.8	0.0	31.94	41.30	10.57	
06/02/99	07:00	35.53	101.8	152.2	202.0	0.0	31.49	42.28	12.38	
06/02/99	08:00	35.32	99.52	156.9	199.4	0.0	31.37	41.69	12.26	
06/02/99	09:00	35.14	97.59	133.8	196.8	0.0	26.21	33.41	11.16	
06/02/99	10:00	35.11	97.19	121.0	195.2	31.62	0.0	0.0	8.983	
06/02/99	11:00	34.90	95.07	134.8	193.9	0.0	41.31	0.0	10.71	
06/02/99	12:00	34.93	95.27	138.1	189.4	0.0	45.09	0.0	8.670	
06/02/99	13:00	34.76	93.62	135.5	184.6	0.0	45.03	0.0	7.707	

MMSD STORM EVENT SUMMARY

Preparation date: 6/9/99

Weather Data

Start date / time of precipitation: 6/6/99 17:00
 Predicted precipitation quantity: .70"

Stop date / time of precipitation: 6/7/99 4:00
 Recorded precipitation quantity: .47"

ISS Information

Date / Time of CS gates closing: _____
 Date / Time of CS gate reopening: _____
 Date / Time of SS gate closing: _____
 Date / Time of SS gate reopening: _____
 Total (MG) pumped out for event: _____

Volume reserved for SS
 when CS gates closed: _____
 Volume in tunnel when
 SS gates reopened: _____

Plant Diversions

Jones Island

Date / Time-diversion started: _____
 Date / Time-diversion stopped: _____
 Type of diversion: _____
 Volume (MG) diverted: _____

South Shore

Date / Time-diversion started: _____
 Date / Time-diversion stopped: _____
 Type of diversion: _____
 Volume (MG) diverted: _____

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/06/99	16:00	19.90	5.913	95.07	96.55	0.0	0.0	0.0	7.167	
06/06/99	17:00	20.39	6.779	112.7	99.37	0.0	0.0	0.0	385.8	
06/06/99	18:00	24.77	20.09	206.8	101.3	0.0	14.84	14.77	208.3	
06/06/99	19:00	26.09	25.54	179.0	104.2	0.0	29.27	40.00	82.98	
06/06/99	20:00	26.43	27.67	207.2	110.9	0.0	28.71	40.12	147.9	
06/06/99	21:00	26.79	29.76	178.4	118.0	0.0	29.57	40.12	27.33	
06/06/99	22:00	26.54	28.26	157.2	129.2	0.0	29.55	40.08	12.91	
06/06/99	23:00	26.23	26.37	163.6	135.5	0.0	29.59	40.10	49.39	
06/07/99	00:00	26.05	25.32	169.9	165.4	0.0	29.64	40.02	24.92	
06/07/99	01:00	25.70	23.79	139.0	184.2	0.0	29.94	40.09	10.59	
06/07/99	02:00	25.27	22.07	118.4	180.6	0.0	29.32	40.18	8.565	

MMSD STORM EVENT SUMMARY

Preparation date: 06/21/99

Weather Data

Start date / time of precipitation: 6/10/99 14:00
 Predicted precipitation quantity: 1.86"

Stop date / time of precipitation: 6/13/99 13:40
 Recorded precipitation quantity: 3.75"

ISS Information

Date / Time of CS gates closing: 6/13/99 7:44
 Date / Time of CS gate reopening: 6/14 9:36 -12:53
 Date / Time of SS gate closing: 6/13/12:20
 Date / Time of SS gate reopening: 6/13 18:59 - 6/14 5:15
 Total (MG) pumped out for event: 904

Volume reserved for SS
 when CS gates closed: 40 MG
 Volume in tunnel when
 SS gates reopened: 381 – 374 MG

Plant Diversions

Jones Island
 Date / Time-diversion started: 6/12/99 22:30
 Date / Time-diversion stopped: 6/14/99 2:30
 Type of diversion: ISS to Chlorination
 Volume (MG) diverted: 79 estimate

South Shore
 Date / Time-diversion started: N/A
 Date / Time-diversion stopped: N/A
 Type of diversion: N/A
 Volume (MG) diverted: N/A

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/13/99	00:00	39.54	148.5	254.6	194.1	36.55	45.61	43.51	50.68	
06/13/99	01:00	39.29	145.4	230.9	192.9	36.43	45.51	43.25	32.69	
06/13/99	02:00	38.97	141.7	221.7	193.1	36.39	45.58	43.12	80.17	
06/13/99	03:00	39.15	143.8	283.1	192.7	36.49	45.35	43.20	218.9	
06/13/99	04:00	39.44	147.3	289.6	191.9	36.51	45.48	43.22	237.8	
06/13/99	05:00	42.05	177.4	321.2	193.1	26.47	43.71	42.98	1358.	
06/13/99	06:00	56.02	295.1	264.3	197.5	0.0	38.27	45.14	1811.	
06/13/99	07:00	70.81	349.5	291.8	215.5	0.0	43.43	47.28	411.4	
06/13/99	08:00	74.58	358.9	334.7	287.7	0.0	49.44	48.11	108.2	
06/13/99	09:00	75.25	360.4	340.2	301.1	0.0	50.00	48.15	190.5	
06/13/99	10:00	78.00	366.4	351.1	300.6	0.0	50.80	48.75	364.6	
06/13/99	11:00	89.44	383.2	351.8	300.7	0.0	51.69	49.31	511.4	
06/13/99	12:00	132.7	402.7	359.5	299.3	0.0	58.64	55.52	274.3	
06/13/99	13:00	122.5	401.2	359.6	311.5	0.0	58.17	56.42	12.50	
06/13/99	14:00	113.1	397.5	355.0	295.9	0.0	56.16	54.87	10.22	
06/13/99	15:00	104.4	393.9	358.2	279.3	0.0	55.03	53.22	10.51	

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/13/99	00:00	39.54	148.5	254.6	194.1	36.55	45.61	43.51	50.68	
06/13/99	01:00	39.29	145.4	230.9	192.9	36.43	45.51	43.25	32.69	
06/13/99	02:00	38.97	141.7	221.7	193.1	36.39	45.58	43.12	80.17	
06/13/99	03:00	39.15	143.8	283.1	192.7	36.49	45.35	43.20	218.9	
06/13/99	04:00	39.44	147.3	289.6	191.9	36.51	45.48	43.22	237.8	
06/13/99	05:00	42.05	177.4	321.2	193.1	26.47	43.71	42.98	1358.	
06/13/99	06:00	56.02	295.1	264.3	197.5	0.0	38.27	45.14	1811.	
06/13/99	07:00	70.81	349.5	291.8	215.5	0.0	43.43	47.28	411.4	
06/13/99	08:00	74.58	358.9	334.7	287.7	0.0	49.44	48.11	108.2	
06/13/99	09:00	75.25	360.4	340.2	301.1	0.0	50.00	48.15	190.5	
06/13/99	10:00	78.00	366.4	351.1	300.6	0.0	50.80	48.75	364.6	
06/13/99	11:00	89.44	383.2	351.8	300.7	0.0	51.69	49.31	511.4	
06/13/99	12:00	132.7	402.7	359.5	299.3	0.0	58.64	55.52	274.3	
06/13/99	13:00	122.5	401.2	359.6	311.5	0.0	58.17	56.42	12.50	
06/13/99	14:00	113.1	397.5	355.0	295.9	0.0	56.16	54.87	10.22	
06/13/99	15:00	104.4	393.9	358.2	279.3	0.0	55.03	53.22	10.51	
06/13/99	16:00	96.71	390.4	354.8	272.4	0.0	54.11	51.94	10.36	
06/13/99	17:00	89.52	385.4	349.4	290.7	0.0	52.64	50.71	9.841	

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/13/99	18:00	85.51	380.8	338.1	291.7	0.0	51.97	50.20	9.705	
06/13/99	19:00	85.98	381.1	325.9	282.2	0.0	51.30	49.63	231.0	
06/13/99	20:00	101.4	392.4	323.8	294.0	0.0	54.03	52.22	259.5	
06/13/99	21:00	111.8	396.8	231.5	295.7	0.0	13.92	13.57	52.04	
06/13/99	22:00	114.2	398.0	202.6	292.0	0.0	14.26	4.670	10.02	
06/13/99	23:00	109.3	395.9	287.8	287.4	0.0	57.13	55.33	8.060	
06/14/99	00:00	100.6	392.2	278.5	291.6	0.0	55.78	53.74	6.613	
06/14/99	01:00	92.82	388.1	268.5	292.5	0.0	54.86	52.56	6.842	
06/14/99	02:00	87.24	383.2	255.7	291.0	0.0	53.90	52.11	8.626	
06/14/99	03:00	84.33	379.3	248.3	289.7	0.0	53.97	51.20	6.408	
06/14/99	04:00	81.83	374.0	242.4	291.0	0.0	52.92	50.26	30.66	
06/14/99	05:00	81.31	373.6	234.0	292.2	0.0	52.80	50.26	40.93	
06/14/99	06:00	80.37	371.7	235.8	291.4	4.095	52.69	50.01	24.87	
06/14/99	07:00	78.67	367.9	281.4	290.9	46.65	50.96	49.22	16.53	
06/14/99	08:00	76.71	363.5	283.1	290.8	46.74	50.94	49.12	39.81	
06/14/99	09:00	74.37	358.1	256.8	291.5	39.29	42.51	41.11	190.3	
06/14/99	10:00	78.71	368.0	134.3	288.6	0.0	0.0	0.0	45.39	
06/14/99	11:00	79.06	368.8	264.3	290.0	39.47	47.32	45.59	57.27	
06/14/99	12:00	79.02	368.2	276.8	296.6	46.91	51.17	49.44	217.6	
06/14/99	13:00	80.82	373.0	276.0	292.5	47.50	51.90	50.26	88.73	
06/14/99	14:00	79.18	369.1	271.9	285.6	46.81	51.87	50.17	30.50	
06/14/99	15:00	77.40	364.9	270.1	282.2	46.90	51.96	50.09	27.55	
06/14/99	16:00	75.44	360.9	270.4	281.8	46.79	51.84	49.47	27.22	
06/14/99	17:00	73.04	354.9	276.5	284.4	46.76	50.89	49.16	25.88	
06/14/99	18:00	70.93	349.7	279.2	283.0	45.95	50.86	49.21	25.50	
06/14/99	19:00	69.49	346.1	276.2	282.3	45.89	50.17	48.91	22.85	
06/14/99	20:00	68.07	342.9	273.7	280.3	44.92	49.87	49.23	20.35	
06/14/99	21:00	66.19	337.7	132.2	280.6	0.0	0.0	4.482	19.59	
06/14/99	22:00	66.49	338.8	234.0	277.0	38.02	37.43	32.81	18.12	
06/14/99	23:00	65.45	336.3	263.3	274.4	44.77	49.92	48.84	18.15	

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)	Comments
06/14/99	12:00	79.02	368.2	276.8	296.6	46.91	51.17	49.44	217.6	
06/14/99	13:00	80.82	373.0	276.0	292.5	47.50	51.90	50.26	88.73	
06/14/99	14:00	79.18	369.1	271.9	285.6	46.81	51.87	50.17	30.50	
06/14/99	15:00	77.40	364.9	270.1	282.2	46.90	51.96	50.09	27.55	
06/14/99	16:00	75.44	360.9	270.4	281.8	46.79	51.84	49.47	27.22	
06/14/99	17:00	73.04	354.9	276.5	284.4	46.76	50.89	49.16	25.88	
06/14/99	18:00	70.93	349.7	279.2	283.0	45.95	50.86	49.21	25.50	
06/14/99	19:00	69.49	346.1	276.2	282.3	45.89	50.17	48.91	22.85	
06/14/99	20:00	68.07	342.9	273.7	280.3	44.92	49.87	49.23	20.35	
06/14/99	21:00	66.19	337.7	132.2	280.6	0.0	0.0	4.482	19.59	
06/14/99	22:00	66.49	338.8	234.0	277.0	38.02	37.43	32.81	18.12	
06/14/99	23:00	65.45	336.3	263.3	274.4	44.77	49.92	48.84	18.15	

MMSD STORM EVENT SUMMARY

Preparation date: 7/26/99

1999 Event number: 19

Weather Data

Start date / time of precipitation: 7/20/99 23:55

Stop date / time of precipitation: 7/21/99 3:10

Predicted precipitation quantity: .65"

Recorded precipitation quantity: 2.4"

ISS Information

Volume reserved for SS when CS gates

closed: 40 MG

Volume in tunnel when SS gates

reopened: 350 MG

Date / Time of CS gates closing: 7/21/99 2:06

Date / Time of SS gate closing: 7/21/99 2:06

Date / Time of CS gate reopening: 7/22/99 8:06

Date / Time of SS gate reopening: 7/22/99 2:21

Year to date CS gate closing events: 5

Year to date SS gate closing events: 4

Total volume pumped out for event: 790 MG

Plant Diversions

Jones Island

Date / Time-diversion started: _____

Date / Time-diversion stopped: _____

Type of diversion: _____

Volume (MG) diverted: _____

South Shore

Date / Time-diversion started: _____

Date / Time-diversion stopped: _____

Type of diversion: _____

Volume (MG) diverted: _____

Comments

The 'Tunnel Level' and 'Tunnel Volume' data for 7/21/99 02:00 – 17:00 was extracted from the following substitute points. LT2040202, LT2491102 & LT3008610. The original readings were corrupted by statagy and instrument failures.

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Level (ft)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
07/20/99	23:00	20.36	6.724	114.9	124.5	0.0	38.50	0.0	12.49
07/21/99	00:00	20.04	6.404	183.1	124.4	0.0	38.74	33.74	2427.
07/21/99	01:00	51.25	194.2	223.7	101.8	31.78	19.33	11.56	5601.
07/21/99	02:00	210.0	405.0+	289.8	126.0	29.20	18.10	52.01	11060
07/21/99	03:00	309.0	405.0+	243.2	140.7	0.0	0.0	0.0	11910
07/21/99	04:00	312.0	405.0+	247.3	214.8	0.0	0.0	0.0	11990
07/21/99	05:00	311.0	405.0+	250.2	266.0	0.0	0.0	0.0	12200
07/21/99	06:00	311.0	405.0+	245.4	302.4	0.0	0.0	0.0	11830
07/21/99	07:00	310.0	405.0+	263.6	299.5	4.389	0.0	22.80	11560
07/21/99	08:00	305.0	405.0+	328.8	295.6	0.0	0.0	94.28	10560
07/21/99	09:00	261.0	405.0+	313.1	296.1	0.0	0.0	91.22	9206.
07/21/99	10:00	244.0	405.0+	297.0	296.1	0.0	0.0	87.05	5396.
07/21/99	11:00	207.0	405.0+	244.8	294.8	5.295	0.0	34.82	2487.
07/21/99	12:00	164.0	405.0+	314.9	294.3	64.33	30.67	23.60	1647.
07/21/99	13:00	133.0	404	215.2	294.1	9.206	0.0	16.71	1532.
07/21/99	14:00	119.0	400	301.9	289.6	54.90	0.0	60.47	1532.
07/21/99	15:00	112.0	397	291.7	290.9	52.67	0.0	57.03	1531.
07/21/99	16:00	111.0	396.5	222.0	294.4	21.70	0.0	23.42	1531.
07/21/99	17:00	103.9	393.7	216.5	295.1	0.0	26.05	18.37	1532.
07/21/99	18:00	96.27	390.1	276.3	294.7	0.0	55.72	54.63	1529.
07/21/99	19:00	88.92	384.9	271.5	292.1	0.0	54.61	52.84	1528.
07/21/99	20:00	85.17	380.4	264.3	290.5	0.0	53.00	51.34	1528.
07/21/99	21:00	82.62	376.2	260.6	290.1	0.0	52.34	50.69	1528.
07/21/99	22:00	79.35	369.6	290.2	289.0	34.97	51.40	49.60	1528.
07/21/99	23:00	77.19	364.4	289.5	287.0	41.80	49.05	48.13	1527.
07/22/99	00:00	74.57	358.8	282.1	283.4	41.77	48.90	47.39	1527.
07/22/99	01:00	72.64	353.8	274.8	280.5	41.81	48.84	47.14	1528.
07/22/99	02:00	69.79	346.6	267.4	277.4	41.87	48.28	47.09	1589.
07/22/99	03:00	67.80	342.2	259.4	273.1	41.83	47.92	46.84	1635.
07/22/99	04:00	66.71	339.5	251.0	265.6	41.86	47.45	45.85	1637.
07/22/99	05:00	66.96	340.2	241.5	258.0	41.76	45.67	45.28	1657.
07/22/99	06:00	64.68	334.0	241.5	246.2	41.94	45.81	45.00	1644.
07/22/99	07:00	65.95	337.5	251.2	226.6	42.96	46.85	45.19	1628.
07/22/99	08:00	71.89	352.0	256.9	221.4	42.93	46.91	45.24	581.9
07/22/99	09:00	75.05	359.8	257.6	216.0	43.15	47.75	45.93	246.4
07/22/99	10:00	74.92	359.5	266.2	211.0	43.87	48.92	47.18	110.2
07/22/99	11:00	78.78	368.1	217.5	205.6	15.95	35.47	37.76	73.01
07/22/99	12:00	82.25	375.5	132.5	202.8	0.0	8.243	0.0	73.44
07/22/99	13:00	86.13	381.7	174.5	200.4	0.0	50.31	0.0	65.83
07/22/99	14:00	94.18	388.9	174.0	198.3	0.0	50.98	0.0	68.84
07/22/99	15:00	105.6	394.3	173.6	196.1	0.0	50.76	0.0	75.42
07/22/99	16:00	115.3	398.5	201.0	193.8	27.44	24.53	23.18	69.72
07/22/99	17:00	137.9	403.7	225.5	190.6	50.57	0.0	52.27	69.11
07/22/99	18:00	194.2	405.0	213.8	189.1	49.38	0.0	46.27	68.64
07/22/99	19:00	225.2	405.0	186.6	189.9	61.56	0.0	69.20	68.14
07/22/99	20:00	202.9	405.0	183.2	194.0	35.14	27.55	56.64	812.8
07/22/99	21:00	134.2	402.9	216.2	198.0	0.0	69.82	38.15	1433.
07/22/99	22:00	113.9	397.9	224.1	198.7	32.22	57.94	57.38	606.0
07/22/99	23:00	105.4	394.2	166.5	196.3	49.84	53.85	4.436	14.73
07/23/99	00:00	93.73	388.6	197.5	194.9	49.24	53.02	39.18	14.52
07/23/99	01:00	85.43	380.9	201.1	195.0	47.30	50.47	50.03	13.06
07/23/99	02:00	81.73	374.5	198.8	195.5	46.74	49.84	49.07	12.70
07/23/99	03:00	79.02	368.7	194.3	194.1	45.98	48.79	47.25	11.94
07/23/99	04:00			188.7	192.3	45.76	48.56	47.13	10.81

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
07/22/99	11:00	74.92	359.5	217.5	205.6	15.95	35.47	37.76	73.01
07/22/99	12:00	78.78	368.1	132.5	202.8	0.0	8.243	0.0	73.44
07/22/99	13:00	82.25	375.5	174.5	200.4	0.0	50.31	0.0	65.83
07/22/99	14:00	86.13	381.7	174.0	198.3	0.0	50.98	0.0	68.84
07/22/99	15:00	94.18	388.9	173.6	196.1	0.0	50.76	0.0	75.42
07/22/99	16:00	105.6	394.3	201.0	193.8	27.44	24.53	23.18	69.72
07/22/99	17:00	115.3	398.5	225.5	190.6	50.57	0.0	52.27	69.11
07/22/99	18:00	137.9	403.7	213.8	189.1	49.38	0.0	46.27	68.64
07/22/99	19:00	194.2	405.0	186.6	189.9	61.56	0.0	69.20	68.14
07/22/99	20:00	225.2	405.0	183.2	194.0	35.14	27.55	56.64	812.8
07/22/99	21:00	202.9	405.0	216.2	198.0	0.0	69.82	38.15	1433.
07/22/99	22:00	134.2	402.9	224.1	198.7	32.22	57.94	57.38	606.0
07/22/99	23:00	113.9	397.9	166.5	196.3	49.84	53.85	4.436	14.73
07/23/99	00:00	105.4	394.2	197.5	194.9	49.24	53.02	39.18	14.52
07/23/99	01:00	93.73	388.6	201.1	195.0	47.30	50.47	50.03	13.06
07/23/99	02:00	85.43	380.9	198.8	195.5	46.74	49.84	49.07	12.70
07/23/99	03:00	81.73	374.5	194.3	194.1	45.98	48.79	47.25	11.94
07/23/99	04:00	79.02	368.7	188.7	192.3	45.76	48.56	47.13	10.81

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
07/23/99	05:00	76.11	362.2	187.1	188.3	44.39	48.87	47.15	10.61
07/23/99	06:00	74.40	358.4	189.5	176.0	42.77	48.88	47.18	10.85
07/23/99	07:00	72.21	352.7	192.6	174.3	42.88	48.55	47.04	9.966
07/23/99	08:00	69.92	347.0	198.4	174.8	43.65	46.93	45.82	11.03
07/23/99	09:00	69.12	345.2	204.6	174.1	43.72	46.85	46.16	63.66
07/23/99	10:00	69.47	345.9	206.5	176.8	43.91	46.84	45.84	71.31
07/23/99	11:00	68.82	344.6	207.9	179.4	43.47	46.99	45.14	68.78
07/23/99	12:00	68.62	344.2	206.6	181.8	43.50	46.72	45.11	67.05
07/23/99	13:00	68.28	343.6	210.6	184.7	43.09	46.82	45.12	59.99
07/23/99	14:00	66.77	339.7	215.7	186.4	42.70	47.57	45.84	9.981
07/23/99	15:00	65.14	335.4	216.3	186.6	42.67	46.81	44.01	10.36
07/23/99	16:00	63.34	330.0	258.8	186.8	43.14	46.85	44.18	77.37
07/23/99	17:00	62.92	328.8	303.4	190.0	43.10	46.95	44.08	40.55
07/23/99	18:00	61.45	324.3	261.1	192.0	42.81	46.86	44.31	18.06
07/23/99	19:00	59.92	318.9	240.9	193.0	42.55	47.00	44.19	18.06
07/23/99	20:00	58.41	313.1	222.7	194.1	42.11	46.28	43.69	13.32
07/23/99	21:00	56.91	306.4	208.9	195.7	41.49	45.92	43.24	12.91
07/23/99	22:00	55.84	301.1	197.9	196.2	41.33	44.94	42.22	12.66
07/23/99	23:00	54.61	294.6	189.6	196.5	41.09	44.52	41.97	12.22
07/24/99	00:00	53.95	290.6	185.7	196.1	40.80	44.88	42.17	12.27
07/24/99	01:00	52.65	281.6	180.0	197.5	40.80	44.85	42.17	11.83
07/24/99	02:00	52.14	278.0	177.7	197.3	40.29	44.83	42.26	12.19
07/24/99	03:00	51.48	273.3	173.9	196.9	40.01	44.62	42.08	12.00
07/24/99	04:00	50.73	267.5	168.8	195.5	39.83	44.84	42.12	11.95
07/24/99	05:00	49.23	253.7	168.7	192.8	40.01	44.93	42.37	11.93
07/24/99	06:00	49.12	253.3	166.5	190.2	39.71	44.66	42.25	11.97
07/24/99	07:00	48.85	251.4	166.4	186.4	39.29	44.92	41.41	16.38
07/24/99	08:00	48.55	248.5	169.1	183.2	38.74	44.94	41.20	136.8
07/24/99	09:00	48.71	250.0	173.4	180.5	38.55	44.62	41.21	147.4
07/24/99	10:00	48.93	252.2	179.0	179.8	38.25	44.79	41.29	78.84
07/24/99	11:00	48.61	249.1	185.2	181.4	38.37	44.92	41.18	50.38
07/24/99	12:00	48.86	251.5	187.9	182.9	0.0	45.07	41.31	87.00
07/24/99	13:00	49.27	255.1	146.2	184.9	35.54	3.759	41.22	45.15
07/24/99	14:00	49.29	255.4	141.3	184.7	38.75	33.60	6.867	55.78
07/24/99	15:00	49.56	257.5	175.2	185.7	38.23	43.09	32.57	54.88
07/24/99	16:00	49.25	254.9	186.0	188.1	37.99	43.00	43.34	20.91
07/24/99	17:00	48.67	249.7	184.6	190.2	37.90	42.78	43.15	21.72
07/24/99	18:00	47.85	241.4	185.7	191.6	6.345	42.96	43.06	22.45
07/24/99	19:00	47.87	241.7	185.1	191.4	31.61	42.98	43.21	21.13
07/24/99	20:00	46.44	226.1	179.1	188.1	37.99	42.92	43.10	23.36
07/24/99	21:00	46.61	228.7	175.8	185.7	38.00	42.99	43.12	21.33
07/24/99	22:00	46.47	227.2	173.0	182.9	38.08	42.34	43.20	22.40
07/24/99	23:00	45.23	213.5	169.9	181.9	38.16	42.97	42.23	21.36
07/25/99	00:00	45.76	219.4	168.0	181.7	38.05	42.99	42.15	20.11
07/25/99	01:00	45.93	221.2	166.4	179.8	38.18	42.36	42.22	18.82
07/25/99	02:00	45.49	216.4	162.0	178.2	38.02	42.98	42.10	18.67
07/25/99	03:00	45.05	211.5	158.8	174.1	38.14	42.93	42.18	17.72
07/25/99	04:00	44.66	207.3	155.3	170.2	37.95	42.98	42.17	18.63
07/25/99	05:00	44.20	202.2	152.9	166.6	37.97	42.90	42.16	18.86
07/25/99	06:00	43.53	194.7	150.9	162.1	37.68	42.91	42.16	18.60
07/25/99	07:00	43.47	194.1	153.9	158.0	36.96	43.03	42.18	19.11
07/25/99	08:00	43.08	189.9	156.1	157.9	36.34	42.86	42.24	19.98
07/25/99	09:00	42.73	185.7	160.3	153.2	35.92	43.07	42.04	21.18
07/25/99	10:00	42.32	180.8	166.0	134.4	35.72	42.94	42.21	22.17

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
07/24/99	17:00	48.67	249.7	184.6	190.2	37.90	42.78	43.15	21.72
07/24/99	18:00	47.85	241.4	185.7	191.6	6.345	42.96	43.06	22.45
07/24/99	19:00	47.87	241.7	185.1	191.4	31.61	42.98	43.21	21.13
07/24/99	20:00	46.44	226.1	179.1	188.1	37.99	42.92	43.10	23.36
07/24/99	21:00	46.61	228.7	175.8	185.7	38.00	42.99	43.12	21.33
07/24/99	22:00	46.47	227.2	173.0	182.9	38.08	42.34	43.20	22.40
07/24/99	23:00	45.23	213.5	169.9	181.9	38.16	42.97	42.23	21.36
07/25/99	00:00	45.76	219.4	168.0	181.7	38.05	42.99	42.15	20.11
07/25/99	01:00	45.93	221.2	166.4	179.8	38.18	42.36	42.22	18.82
07/25/99	02:00	45.49	216.4	162.0	178.2	38.02	42.98	42.10	18.67
07/25/99	03:00	45.05	211.5	158.8	174.1	38.14	42.93	42.18	17.72
07/25/99	04:00	44.66	207.3	155.3	170.2	37.95	42.98	42.17	18.63
07/25/99	05:00	44.20	202.2	152.9	166.6	37.97	42.90	42.16	18.86
07/25/99	06:00	43.53	194.7	150.9	162.1	37.68	42.91	42.16	18.60
07/25/99	07:00	43.47	194.1	153.9	158.0	36.96	43.03	42.18	19.11
07/25/99	08:00	43.08	189.9	156.1	157.9	36.34	42.86	42.24	19.98
07/25/99	09:00	42.73	185.7	160.3	153.2	35.92	43.07	42.04	21.18
07/25/99	10:00	42.32	180.8	166.0	134.4	35.72	42.94	42.21	22.17

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
07/25/99	11:00	41.94	176.3	170.9	138.9	35.59	42.87	41.92	25.26
07/25/99	12:00	41.50	171.0	172.5	143.8	35.51	42.89	41.24	24.48
07/25/99	13:00	40.92	164.1	173.2	149.2	35.29	42.66	41.24	25.41
07/25/99	14:00	40.86	163.5	174.2	153.7	35.01	42.87	41.28	24.23
07/25/99	15:00	40.49	159.4	173.8	157.9	35.04	42.84	41.09	24.37
07/25/99	16:00	40.21	156.3	173.0	161.3	35.03	42.75	41.15	23.89
07/25/99	17:00	39.81	151.7	172.5	164.4	34.99	42.72	41.20	23.65
07/25/99	18:00	39.47	147.7	173.9	166.2	34.55	43.01	41.18	23.71
07/25/99	19:00	39.12	143.4	173.9	167.2	34.88	42.97	41.34	23.49
07/25/99	20:00	38.80	139.6	173.2	167.7	34.89	42.69	41.22	23.92
07/25/99	21:00	38.43	135.2	172.8	167.4	34.65	42.96	41.21	22.75
07/25/99	22:00	38.10	131.2	169.5	166.9	35.03	42.80	41.13	22.61
07/25/99	23:00	37.74	127.1	166.7	167.6	35.30	42.30	41.04	22.65
07/26/99	00:00	37.14	120.5	159.5	166.9	35.18	40.91	40.25	21.45
07/26/99	01:00	36.71	115.7	156.9	165.4	35.10	40.91	39.88	20.74
07/26/99	02:00	36.65	114.8	153.5	164.7	34.97	41.13	40.18	20.95
07/26/99	03:00	36.29	110.5	149.2	161.4	34.92	40.91	40.18	20.73
07/26/99	04:00	35.96	106.6	146.0	157.8	34.69	40.95	40.27	20.28
07/26/99	05:00	35.61	102.7	144.7	154.6	34.42	41.07	40.03	20.80
07/26/99	06:00	35.24	98.62	148.8	151.7	33.95	41.06	40.18	23.98
07/26/99	07:00	34.89	94.95	159.0	147.3	33.78	40.47	40.29	31.05
07/26/99	08:00	34.54	91.38	183.8	143.9	33.39	41.01	40.26	41.40
07/26/99	09:00	34.21	88.08	188.6	143.0	33.32	40.95	40.09	30.11
07/26/99	10:00	33.60	82.21	182.2	143.4	33.21	41.03	40.19	27.25
07/26/99	11:00	33.35	79.53	177.6	145.5	32.75	41.09	40.20	25.40
07/26/99	12:00	33.16	77.61	175.4	149.5	32.94	40.98	40.07	26.09
07/26/99	13:00	32.71	73.11	175.0	151.9	32.77	40.96	40.26	27.54
07/26/99	14:00	32.24	68.57	175.0	154.8	32.35	41.01	40.29	26.29
07/26/99	15:00	32.02	66.26	174.1	158.6	32.38	41.03	40.10	25.67
07/26/99	16:00	31.49	61.96	173.0	160.4	32.20	41.05	40.30	25.75
07/26/99	17:00	31.19	59.49	171.7	162.0	32.18	40.99	39.83	25.29
07/26/99	18:00	30.74	55.94	169.4	163.6	32.21	40.96	39.30	25.24
07/26/99	19:00	30.32	52.55	167.5	164.5	32.02	40.94	39.18	24.61
07/26/99	20:00	29.83	48.85	166.1	165.5	31.94	40.24	39.23	24.81
07/26/99	21:00	29.19	44.37	164.6	165.3	31.79	39.89	39.25	24.88
07/26/99	22:00	28.80	41.63	164.0	165.8	31.77	39.79	39.26	24.95
07/26/99	23:00	28.28	37.98	163.8	165.1	31.80	39.96	39.25	24.22
07/27/99	00:00	27.79	35.00	161.5	164.8	31.76	39.94	39.27	22.49
07/27/99	01:00	27.18	31.88	157.4	163.3	31.57	40.09	39.32	21.40
07/27/99	02:00	26.51	28.05	152.1	162.1	31.39	40.06	39.17	21.02
07/27/99	03:00	25.82	24.30	148.7	158.4	31.23	40.08	39.26	20.59
07/27/99	04:00	25.09	21.36	145.3	156.8	30.90	40.09	38.42	20.02
07/27/99	05:00	24.30	18.19	144.0	152.8	30.57	40.09	38.31	19.33
07/27/99	06:00	23.34	14.36	144.8	148.4	29.68	40.09	38.35	19.78
07/27/99	07:00	22.25	10.78	150.6	144.0	28.98	40.16	38.24	22.57
07/27/99	08:00	21.32	8.630	156.5	140.4	2.376	39.91	37.05	23.85
07/27/99	09:00	20.29	6.598	153.9	137.4	0.0	40.10	28.23	24.05
07/27/99	10:00	19.74	5.745	127.4	135.4	0.0	39.06	0.0	24.45
07/27/99	11:00	19.32	5.316	128.6	132.7	0.0	39.10	0.0	25.22
07/27/99	12:00	18.83	4.658	124.3	130.5	0.0	12.86	21.57	25.67
07/27/99	13:00	18.33	3.698	128.7	126.3	0.0	0.0	37.19	25.46
07/27/99	14:00	17.70	2.851	129.2	123.9	0.0	0.0	37.09	25.95
07/27/99	15:00	16.94	2.470	127.8	124.3	0.0	0.0	37.11	25.23
07/27/99	16:00	15.73	1.920	126.5	124.3	0.0	0.0	36.93	24.54
07/27/99	17:00	15.11	1.684	95.39	124.4	0.0	0.0	6.221	24.37

MMSD STORM EVENT SUMMARY

Preparation date: 10/5/99

1999 Event number: 27

Weather Data

Start date / time of precipitation: 9/27/99 3:46
Predicted precipitation quantity: .60"

Stop date / time of precipitation: 9/28/99 19:28
Recorded precipitation quantity: 3.00"

ISS Information

Volume reserved for SS when CS gates
closed: 150
Date / Time of CS gates closing: 9/28/99 2:35
Date / Time of CS gate reopening: 9/29/99 6:47
Year to date CS gate closing events: 6

Volume in tunnel when SS gates
reopened: _____
Date / Time of SS gate closing: _____
Date / Time of SS gate reopening: _____
Year to date SS gate closing events: 4
Total (MG) pumped out for event: 458 MG

Plant Diversions

Jones Island
Date / Time-diversion started: _____
Date / Time-diversion stopped: _____
Type of diversion: _____
Volume (MG) diverted: _____

South Shore
Date / Time-diversion started: _____
Date / Time-diversion stopped: _____
Type of diversion: _____
Volume (MG) diverted: _____

Comments

_____ The tunnel level / volume data for 10/5/99 4:00 is questionable due to level meter work
_____ being performed. _____

_____ The "Date / Time of CS gate reopening:" represents the first combined sewer gate
_____ reopened. All CS gates were back to their normal positions at 11:20 AM on 9/29/99

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
09/27/99	03:00	17.51	2.757	75.89	82.55	0.0	0.0	33.68	8.630
09/27/99	04:00	16.49	2.249	81.77	82.21	0.0	0.0	32.26	26.03
09/27/99	05:00	15.82	1.940	122.1	80.34	0.0	0.0	32.28	55.84
09/27/99	06:00	16.40	2.201	125.5	77.28	0.0	0.0	32.16	24.25
09/27/99	07:00	16.51	2.255	115.9	75.29	0.0	0.0	32.29	17.52
09/27/99	08:00	16.27	2.135	109.9	73.63	0.0	0.0	32.20	13.43
09/27/99	09:00	15.46	1.822	99.35	73.33	0.0	0.0	26.26	12.22
09/27/99	10:00	16.18	2.105	71.37	74.06	0.0	0.0	0.0	11.82
09/27/99	11:00	17.07	2.536	71.01	76.54	0.0	0.0	0.0	11.79
09/27/99	12:00	17.73	2.869	68.54	79.43	0.0	0.0	0.0	12.79
09/27/99	13:00	18.26	3.523	74.16	83.59	0.0	0.0	0.0	27.16
09/27/99	14:00	18.86	4.647	133.8	85.71	0.0	0.0	0.0	97.96
09/27/99	15:00	20.53	7.125	154.4	88.62	0.0	0.0	0.0	100.2
09/27/99	16:00	22.16	10.57	172.8	91.97	0.0	25.57	0.0	65.57
09/27/99	17:00	22.94	12.85	177.1	100.4	0.0	36.42	0.0	61.87
09/27/99	18:00	23.34	14.38	181.4	102.3	0.0	37.00	0.0	64.72
09/27/99	19:00	23.96	16.84	209.1	104.4	0.0	37.04	0.0	171.3
09/27/99	20:00	25.22	21.89	211.9	108.3	0.0	37.08	0.0	137.5
09/27/99	21:00	26.97	30.72	217.2	112.4	0.0	9.117	0.0	517.8
09/27/99	22:00	32.49	71.93	273.5	116.6	15.85	25.21	14.31	894.7
09/27/99	23:00	37.42	123.6	298.7	142.2	33.14	38.15	34.31	926.3
09/28/99	00:00	41.78	174.5	285.6	159.9	33.07	38.16	34.17	821.4
09/28/99	01:00	45.98	221.7	283.4	175.8	32.89	37.91	34.16	679.5
09/28/99	02:00	48.48	247.7	287.9	210.2	33.09	37.82	34.19	416.1
09/28/99	03:00	49.39	255.8	285.0	254.3	33.11	37.84	34.32	16.50
09/28/99	04:00	48.96	252.1	277.8	263.2	33.09	38.12	34.17	12.35
09/28/99	05:00	48.58	248.8	293.9	273.5	33.10	37.93	34.24	18.82
09/28/99	06:00	48.12	244.2	290.6	281.1	33.01	38.08	34.29	21.25
09/28/99	07:00	48.07	243.7	244.8	287.1	34.34	40.84	0.0	18.40
09/28/99	08:00	47.93	242.3	232.5	293.6	35.32	44.06	0.0	12.77
09/28/99	09:00	47.55	238.4	204.6	299.4	23.48	35.54	0.0	7.982
09/28/99	10:00	47.21	234.9	155.1	300.5	3.491	0.0	0.0	15.52
09/28/99	11:00	47.36	236.5	191.5	294.6	37.37	44.51	0.0	10.42
09/28/99	12:00	47.21	235.1	217.8	291.3	37.48	44.42	0.0	11.94
09/28/99	13:00	46.79	230.7	263.1	287.6	37.34	44.47	0.0	14.03
09/28/99	14:00	46.08	222.8	277.9	282.0	37.41	44.28	0.0	19.01
09/28/99	15:00	46.35	225.9	266.9	283.1	37.63	43.95	0.0	29.67
09/28/99	16:00	46.11	223.2	238.2	287.5	37.28	43.51	0.0	18.55
09/28/99	17:00	45.91	221.0	239.5	294.7	37.30	43.49	0.0	13.94
09/28/99	18:00	45.03	211.3	260.6	298.2	37.13	43.54	0.0	15.90
09/28/99	19:00	45.50	216.5	261.7	300.8	36.63	43.50	0.0	11.47
09/28/99	20:00	45.37	215.1	239.1	305.7	36.61	43.55	0.0	12.13
09/28/99	21:00	45.30	214.3	175.6	308.0	3.050	3.633	0.0	8.343
09/28/99	22:00	45.14	212.5	185.4	307.0	30.86	32.44	0.0	8.765
09/28/99	23:00	45.02	211.3	179.0	306.7	36.27	43.44	0.0	10.98
09/29/99	00:00	44.77	208.4	166.7	304.0	36.90	43.44	0.0	13.60
09/29/99	01:00	44.52	205.7	151.0	299.0	37.16	43.10	0.0	8.220
09/29/99	02:00	44.24	202.7	137.6	293.5	36.88	43.44	0.0	7.781
09/29/99	03:00	44.05	200.6	127.2	287.6	36.83	43.57	0.0	7.500
09/29/99	04:00	43.79	197.6	119.7	282.8	36.97	43.32	0.0	7.243
09/29/99	05:00	43.53	194.9	117.1	261.9	36.04	43.38	0.0	7.151
09/29/99	06:00	43.29	192.2	116.6	259.5	35.88	43.45	0.0	73.24
09/29/99	07:00	43.86	198.5	122.3	265.7	36.22	43.45	0.0	172.5
09/29/99	08:00	44.42	204.6	127.5	255.5	36.04	43.17	0.0	71.14

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
09/29/99	09:00	44.44	204.9	114.1	246.9	25.47	26.06	0.0	51.14
09/29/99	10:00	44.69	207.6	86.44	242.7	0.0	0.0	0.0	37.34
09/29/99	11:00	45.04	211.5	85.64	232.2	0.0	0.0	0.0	18.12
09/29/99	12:00	44.92	210.1	120.8	218.4	33.80	39.78	0.0	12.88
09/29/99	13:00	44.76	208.3	126.1	209.4	36.48	43.53	0.0	65.51
09/29/99	14:00	44.68	207.5	125.0	198.0	36.58	43.55	0.0	16.28
09/29/99	15:00	44.44	204.8	124.7	195.0	36.47	43.53	0.0	13.28
09/29/99	16:00	44.23	202.5	122.1	184.5	36.53	43.29	0.0	12.76
09/29/99	17:00	44.04	200.4	120.4	181.6	36.23	43.51	0.0	12.24
09/29/99	18:00	43.79	197.7	121.7	180.2	36.44	43.43	0.0	13.55
09/29/99	19:00	43.51	194.6	126.5	179.8	35.99	43.43	0.0	13.70
09/29/99	20:00	43.39	193.2	133.7	178.6	36.22	43.40	0.0	13.87
09/29/99	21:00	43.15	190.6	98.60	178.3	5.175	6.223	0.0	13.41
09/29/99	22:00	43.11	190.2	115.8	177.0	24.29	25.27	0.0	12.89
09/29/99	23:00	43.02	189.2	128.8	170.9	36.09	43.38	0.0	11.88
09/30/99	00:00	42.81	186.7	123.8	164.7	36.04	43.58	0.0	10.23
09/30/99	01:00	42.53	183.3	118.0	159.8	35.79	43.35	0.0	9.387
09/30/99	02:00	42.31	180.7	112.2	157.0	36.09	43.38	0.0	8.335
09/30/99	03:00	42.07	177.8	107.1	153.7	36.19	43.53	0.0	7.822
09/30/99	04:00	41.76	174.1	105.6	149.3	35.73	43.28	0.0	6.750
09/30/99	05:00	41.62	172.5	104.3	144.7	35.67	43.56	0.0	7.393
09/30/99	06:00	41.37	169.4	105.7	139.8	35.13	43.50	0.0	7.402
09/30/99	07:00	41.17	167.1	112.7	120.1	35.11	43.53	0.0	9.225
09/30/99	08:00	40.91	164.0	122.9	122.3	34.82	42.85	0.0	10.94
09/30/99	09:00	40.65	161.1	115.8	125.8	26.15	28.91	0.0	11.89
09/30/99	10:00	40.68	161.4	90.07	129.6	.0052	0.0	0.0	13.85
09/30/99	11:00	40.80	162.9	91.08	132.1	20.56	0.0	0.0	14.05
09/30/99	12:00	40.78	162.6	89.90	132.1	34.98	0.0	0.0	12.71
09/30/99	13:00	40.70	161.8	87.34	129.7	34.88	0.0	0.0	12.61
09/30/99	14:00	40.66	161.3	86.47	129.7	35.09	0.0	0.0	14.85
09/30/99	15:00	40.60	160.6	83.86	132.1	34.99	0.0	0.0	13.68
09/30/99	16:00	40.55	160.1	82.52	135.3	34.71	0.0	0.0	14.59
09/30/99	17:00	40.48	159.2	81.98	138.8	34.79	0.0	0.0	13.96
09/30/99	18:00	40.45	158.9	80.79	139.3	34.82	0.0	0.0	14.01
09/30/99	19:00	40.31	157.4	79.77	141.2	34.49	0.0	0.0	15.17
09/30/99	20:00	40.30	157.3	80.37	140.8	34.79	0.0	0.0	15.04
09/30/99	21:00	40.29	157.2	81.22	141.0	5.804	0.0	0.0	14.00
09/30/99	22:00	40.19	156.8	107.7	141.9	23.67	27.98	0.0	12.12
09/30/99	23:00	40.11	155.2	120.2	140.5	34.95	41.91	0.0	11.90
10/01/99	00:00	39.87	152.5	115.1	135.7	35.03	42.04	0.0	9.515
10/01/99	01:00	39.62	149.5	110.2	134.6	35.10	41.74	0.0	8.730
10/01/99	02:00	39.42	147.0	105.4	134.1	35.09	42.00	0.0	7.510
10/01/99	03:00	39.20	144.3	101.4	132.3	35.15	42.01	0.0	6.896
10/01/99	04:00	38.90	140.8	95.93	130.8	35.07	42.05	0.0	6.352
10/01/99	05:00	38.76	139.1	94.67	128.8	34.64	41.80	0.0	5.914
10/01/99	06:00	38.51	136.1	97.74	126.3	34.32	41.94	0.0	6.787
10/01/99	07:00	38.29	133.5	103.9	123.8	34.17	41.79	0.0	9.248
10/01/99	08:00	38.05	130.7	114.6	121.5	25.59	41.99	0.0	14.67
10/01/99	09:00	37.87	128.5	111.9	121.0	22.89	31.52	0.0	16.20
10/01/99	10:00	37.95	129.4	89.74	120.5	0.0	6.909	0.0	17.76
10/01/99	11:00	37.93	129.3	126.0	120.8	0.0	41.78	0.0	17.64
10/01/99	12:00	37.82	128.1	104.2	119.8	0.0	20.93	0.0	15.91
10/01/99	13:00	37.96	129.5	80.55	116.6	0.0	0.0	0.0	17.52
10/01/99	14:00	37.86	128.5	118.0	113.0	0.0	38.55	0.0	19.41

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
10/01/99	15:00	37.82	128.0	119.9	110.0	0.0	41.93	0.0	23.31
10/01/99	16:00	37.75	127.2	118.5	106.7	0.0	42.00	0.0	20.20
10/01/99	17:00	37.64	126.0	115.6	103.9	0.0	42.06	0.0	18.75
10/01/99	18:00	37.58	125.3	113.7	103.1	0.0	41.93	0.0	19.50
10/01/99	19:00	37.49	124.4	113.2	101.6	0.0	42.04	0.0	23.14
10/01/99	20:00	37.42	123.6	111.3	101.0	0.0	41.88	0.0	27.46
10/01/99	21:00	37.41	123.5	78.94	100.1	0.0	10.47	0.0	27.71
10/01/99	22:00	37.29	122.2	99.74	99.45	23.13	31.24	0.0	26.96
10/01/99	23:00	37.15	120.6	108.4	98.68	34.19	42.02	0.0	20.12
10/02/99	00:00	36.98	118.8	106.5	98.47	34.16	41.99	0.0	19.57
10/02/99	01:00	36.71	115.5	102.5	104.7	34.21	41.94	0.0	16.83
10/02/99	02:00	36.51	113.2	97.52	108.0	34.33	42.08	0.0	14.03
10/02/99	03:00	36.33	111.0	97.51	110.1	34.18	41.91	0.0	12.54
10/02/99	04:00	36.09	108.0	98.51	112.1	34.07	41.99	0.0	12.69
10/02/99	05:00	35.80	104.8	98.68	113.6	33.93	42.06	0.0	11.32
10/02/99	06:00	35.68	103.5	103.5	112.4	33.67	41.81	0.0	12.06
10/02/99	07:00	35.28	99.27	103.1	111.0	33.69	41.67	0.0	12.21
10/02/99	08:00	35.22	98.45	101.6	109.2	33.73	41.90	0.0	10.45
10/02/99	09:00	35.02	96.28	103.4	108.1	33.47	41.87	0.0	8.560
10/02/99	10:00	34.81	94.10	111.1	108.2	33.26	41.92	0.0	9.056
10/02/99	11:00	34.60	92.02	116.7	109.0	33.17	42.03	0.0	9.183
10/02/99	12:00	34.40	89.97	121.3	111.6	33.37	42.02	0.0	9.588
10/02/99	13:00	34.17	87.74	121.5	92.08	33.19	42.04	0.0	9.666
10/02/99	14:00	33.94	85.40	120.4	103.1	33.19	40.97	0.0	9.518
10/02/99	15:00	33.71	83.07	119.9	110.3	33.20	41.04	0.0	9.773
10/02/99	16:00	33.51	81.05	117.0	115.6	33.12	40.99	0.0	9.513
10/02/99	17:00	33.27	78.68	115.1	119.3	33.03	40.94	0.0	9.161
10/02/99	18:00	33.04	76.44	113.9	122.9	32.80	40.94	0.0	8.628
10/02/99	19:00	32.79	73.90	112.2	124.3	32.53	41.04	0.0	8.655
10/02/99	20:00	32.57	71.72	110.9	126.8	32.52	41.05	0.0	8.219
10/02/99	21:00	32.32	69.16	110.7	127.7	32.60	40.95	0.0	7.752
10/02/99	22:00	32.05	66.54	109.1	128.4	32.54	40.94	0.0	7.473
10/02/99	23:00	31.82	64.57	106.3	129.7	32.45	40.89	0.0	7.014
10/03/99	00:00	31.54	62.28	114.9	129.0	32.50	41.06	0.0	6.570
10/03/99	01:00	31.26	60.11	130.8	128.1	32.19	41.05	0.0	5.969
10/03/99	02:00	30.95	57.59	126.5	126.3	31.85	40.90	0.0	5.726
10/03/99	03:00	30.68	55.45	122.5	122.5	31.94	41.04	0.0	4.874
10/03/99	04:00	30.36	52.88	119.6	116.5	31.82	40.95	0.0	4.827
10/03/99	05:00	30.01	50.14	117.6	110.6	31.59	41.06	0.0	4.645
10/03/99	06:00	29.63	47.49	114.3	102.9	31.35	41.06	0.0	5.091
10/03/99	07:00	29.44	46.11	115.3	97.13	30.61	41.02	0.0	5.146
10/03/99	08:00	29.16	44.15	118.3	91.27	30.96	40.11	0.0	6.509
10/03/99	09:00	28.85	41.93	124.3	86.19	30.94	40.08	0.0	7.308
10/03/99	10:00	28.52	39.63	132.5	82.80	30.65	40.00	0.0	8.809
10/03/99	11:00	28.21	37.49	137.2	79.58	30.40	40.07	0.0	10.74
10/03/99	12:00	27.91	35.56	162.0	78.23	30.27	40.05	0.0	37.69
10/03/99	13:00	27.89	35.43	206.1	78.36	30.09	40.00	0.0	57.77
10/03/99	14:00	27.91	35.56	188.3	81.30	30.36	40.01	0.0	48.98
10/03/99	15:00	27.91	35.56	215.8	84.87	30.42	40.01	0.0	50.10
10/03/99	16:00	27.96	35.81	233.7	89.92	30.52	39.96	0.0	73.64
10/03/99	17:00	28.16	37.16	212.1	96.52	30.47	40.03	0.0	76.48
10/03/99	18:00	28.40	38.79	186.9	102.8	30.36	40.03	0.0	33.96
10/03/99	19:00	28.27	37.89	168.4	110.8	30.12	40.76	0.0	17.92
10/03/99	20:00	28.03	36.23	162.6	119.1	30.04	41.02	0.0	14.02

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
10/03/99	21:00	27.78	34.91	147.9	128.3	30.14	40.95	0.0	10.53
10/03/99	22:00	27.46	33.32	136.0	140.3	30.05	41.12	0.0	9.776
10/03/99	23:00	27.18	31.89	126.7	143.8	12.47	41.02	0.0	8.059
10/04/99	00:00	26.98	30.88	119.1	146.3	0.0	41.05	0.0	13.34
10/04/99	01:00	26.49	28.30	112.5	145.9	0.0	41.05	0.0	5.848
10/04/99	02:00	26.58	28.51	105.5	141.9	0.0	41.00	0.0	5.871
10/04/99	03:00	26.43	27.55	110.2	137.4	0.0	41.02	0.0	8.107
10/04/99	04:00	26.26	26.53	116.3	131.4	0.0	41.08	0.0	20.77
10/04/99	05:00	26.05	25.38	112.4	125.1	0.0	40.85	0.0	5.528
10/04/99	06:00	25.89	24.55	107.5	118.8	0.0	40.10	0.0	5.738
10/04/99	07:00	25.69	23.75	110.1	110.3	0.0	39.84	0.0	6.387
10/04/99	08:00	25.51	23.02	119.3	105.3	0.0	39.99	0.0	6.696
10/04/99	09:00	22.23	20.63	112.0	99.52	0.0	26.68	0.0	7.689
10/04/99	10:00	21.97	36.95	87.85	98.75	0.0	0.0	0.0	8.643
10/04/99	11:00	25.40	22.59	125.0	98.57	0.0	37.44	0.0	8.936
10/04/99	12:00	25.22	21.89	126.6	98.93	0.0	40.16	0.0	9.544
10/04/99	13:00	24.85	20.39	125.8	99.73	0.0	40.04	0.0	10.61
10/04/99	14:00	24.81	20.24	125.9	100.6	0.0	39.89	0.0	8.903
10/04/99	15:00	24.61	19.44	124.0	101.9	0.0	39.98	0.0	8.886
10/04/99	16:00	24.34	18.36	120.6	102.5	0.0	39.94	0.0	8.765
10/04/99	17:00	24.07	17.27	119.8	103.0	0.0	40.08	0.0	8.778
10/04/99	18:00	23.89	16.57	119.1	103.2	0.0	40.01	0.0	9.024
10/04/99	19:00	23.73	15.93	119.7	103.8	0.0	40.03	0.0	9.255
10/04/99	20:00	23.49	14.97	121.6	103.8	0.0	40.02	0.0	9.232
10/04/99	21:00	23.25	14.02	89.02	104.0	0.0	6.670	0.0	9.117
10/04/99	22:00	23.33	14.33	110.0	104.5	0.0	30.02	0.0	8.855
10/04/99	23:00	23.00	13.10	118.3	105.4	0.0	40.04	0.0	8.201
10/05/99	00:00	22.79	12.36	111.5	105.4	0.0	39.33	0.0	7.024
10/05/99	01:00	22.48	11.43	104.8	104.3	0.0	38.99	0.0	6.165
10/05/99	02:00	22.07	10.27	99.67	103.0	0.0	38.95	0.0	6.124
10/05/99	03:00	21.81	9.615	94.50	101.8	0.0	38.94	0.0	5.876
10/05/99	04:00	13.12	1.753	63.82	98.79	0.0	13.01	0.0	5.523

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
Preparation date:		<u>4/26/00</u>				2000 Event number: <u>6</u>			

Weather Data

Start date / time of precipitation: <u>4/19/00 9:45</u>	Stop date / time of precipitation: <u>4/23/00 7:10</u>
Predicted precipitation quantity: <u>1.74"</u>	Recorded precipitation quantity: <u>2.27"</u>

ISS Information

Volume reserved for SS when CS gates closed: _____ Date / Time of CS gates closing: _____ Date / Time of CS gate reopening: _____ Year to date CS gate closing events: _____	Volume in tunnel when SS gates reopened: _____ Date / Time of SS gate closing: _____ Date / Time of SS gate reopening: _____ Year to date SS gate closing events: _____ Total (MG) pumped out for event: <u>435 MG</u>
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Plant Diversions

<u>Jones Island</u>	<u>South Shore</u>
Date / Time-diversion started: _____	Date / Time-diversion started: _____
Date / Time-diversion stopped: _____	Date / Time-diversion stopped: _____
Type of diversion: _____	Type of diversion: _____
Volume (MG) diverted: _____	Volume (MG) diverted: _____

Comments

The tunnel level did not reach the setpoints for closing any ISS gates.

The CS gates did not close.

The SS gates stayed in normal positions.

There were no MIS bypasses.

There were no CS overflows.

At 15:10 on 4/20/00 the reserve for SS was decreased from 200 MG to 150 MG.

The reserve remains at 150 MG as of 4/26/00.

The date tag on the data reads "88" when it should read "00".

This is the result of a Y2K fix.

The "Total (MG) pumped out for event" is the total as of 7:00 on 4/26/00.

Another 10 MG is expected to be pumped out before the event is over.

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
04/19/88	08:00	16.28	2.139	82.01	82.59	0.0	0.0	0.0	2.007
04/19/88	09:00	16.63	2.313	89.46	81.06	0.0	0.0	0.0	1.681
04/19/88	10:00	16.93	2.464	91.00	80.84	0.0	0.0	0.0	1.207
04/19/88	11:00	17.21	2.607	96.68	81.05	0.0	0.0	0.0	3.441
04/19/88	12:00	17.98	3.426	194.2	82.97	0.0	0.0	0.0	368.9
04/19/88	13:00	27.58	36.43	255.3	84.77	0.0	20.42	0.0	503.4
04/19/88	14:00	31.14	59.08	238.2	88.20	0.0	30.25	0.0	60.37
04/19/88	15:00	31.44	61.50	186.9	94.63	0.0	30.64	0.0	19.78
04/19/88	16:00	31.70	63.62	202.6	108.8	0.0	30.50	0.0	86.13
04/19/88	17:00	32.16	67.61	169.5	125.9	0.0	30.63	0.0	21.84
04/19/88	18:00	32.18	67.77	136.2	139.9	0.0	30.50	0.0	7.427
04/19/88	19:00	32.11	67.09	123.6	150.3	0.0	30.32	0.0	2.032
04/19/88	20:00	32.02	66.22	111.9	158.1	0.0	30.26	0.0	1.468
04/19/88	21:00	31.94	65.52	104.1	164.4	0.0	30.74	0.0	2.366
04/19/88	22:00	31.67	63.35	134.2	179.6	25.31	0.0	32.47	3.492
04/19/88	23:00	31.44	61.54	184.7	184.0	20.57	37.37	40.44	3.077
04/20/88	00:00	31.03	58.21	186.8	183.7	19.12	40.47	42.38	1.987
04/20/88	01:00	30.62	54.96	207.3	183.6	17.75	40.39	42.22	133.3
04/20/88	02:00	32.39	70.38	280.9	181.4	2.961	25.60	42.28	407.8
04/20/88	03:00	37.16	121.0	286.7	180.3	0.0	23.96	42.82	1101.
04/20/88	04:00	40.75	162.2	275.2	182.1	0.0	25.84	43.01	209.1
04/20/88	05:00	41.38	169.6	252.7	191.0	0.0	25.77	43.20	51.55
04/20/88	06:00	41.43	170.2	225.4	217.5	0.0	25.80	42.86	27.82
04/20/88	07:00	41.35	169.2	208.1	284.5	0.0	25.77	43.25	17.83
04/20/88	08:00	41.41	169.9	237.1	295.1	0.0	15.04	42.35	97.96
04/20/88	09:00	41.88	175.6	232.0	297.3	0.0	0.0	33.63	81.05
04/20/88	10:00	42.33	180.9	216.7	301.9	0.0	23.95	0.0	84.98
04/20/88	11:00	42.53	183.3	236.3	299.5	0.0	42.26	21.60	75.34
04/20/88	12:00	42.61	184.3	243.7	297.2	0.0	43.12	43.28	54.19
04/20/88	13:00	42.46	182.6	236.4	301.5	0.0	43.14	43.03	28.31
04/20/88	14:00	42.33	180.9	231.9	296.7	0.0	43.11	43.02	32.06
04/20/88	15:00	42.14	178.7	228.1	299.3	0.0	43.17	43.26	3.941
04/20/88	16:00	41.84	175.1	221.7	299.5	0.0	43.09	43.19	4.031
04/20/88	17:00	41.59	172.1	216.6	298.3	0.0	43.12	43.18	2.549
04/20/88	18:00	41.31	168.7	229.4	297.4	0.0	42.99	43.12	10.07
04/20/88	19:00	41.23	167.8	276.4	292.9	0.0	43.11	43.18	36.43
04/20/88	20:00	41.30	168.6	280.7	292.0	0.0	43.04	43.07	42.62
04/20/88	21:00	41.23	167.8	258.5	292.4	0.0	25.17	43.18	51.29
04/20/88	22:00	41.58	172.0	214.3	292.4	0.0	14.32	0.0	69.64
04/20/88	23:00	42.27	180.2	304.5	292.9	0.0	43.46	43.69	137.5
04/21/88	00:00	42.90	187.7	309.2	293.2	0.0	44.05	44.20	146.1
04/21/88	01:00	43.46	194.0	295.5	292.9	13.25	43.98	22.13	148.2
04/21/88	02:00	44.18	202.0	290.6	291.8	38.62	42.67	0.0	103.7
04/21/88	03:00	44.44	204.9	289.5	292.6	39.32	44.64	0.0	94.01
04/21/88	04:00	44.76	208.3	292.8	134.9	39.11	44.96	0.0	101.3
04/21/88	05:00	45.08	211.9	281.8	205.1	38.87	44.90	0.0	91.15
04/21/88	06:00	45.18	213.0	260.3	234.8	38.83	45.05	0.0	65.44
04/21/88	07:00	45.21	213.3	247.8	278.3	38.76	45.04	0.0	71.47
04/21/88	08:00	45.19	213.1	240.5	296.5	37.87	45.05	0.0	64.17
04/21/88	09:00	45.11	212.2	221.8	297.9	31.84	37.57	0.0	56.42
04/21/88	10:00	44.96	210.6	187.1	299.9	0.0	3.746	33.28	49.30
04/21/88	11:00	45.20	213.3	236.4	294.5	0.0	45.03	44.41	60.13
04/21/88	12:00	45.23	213.5	233.2	296.3	0.0	45.07	44.21	45.56
04/21/88	13:00	45.12	212.3	229.0	300.5	0.0	45.03	44.14	32.34

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
04/21/88	14:00	44.94	210.3	227.9	301.9	0.0	45.11	44.25	13.81
04/21/88	15:00	44.68	207.5	227.0	300.4	0.0	45.01	44.17	13.09
04/21/88	16:00	44.46	205.1	225.0	299.0	0.0	45.09	44.06	11.84
04/21/88	17:00	44.19	202.1	222.7	298.9	0.0	45.03	44.18	5.005
04/21/88	18:00	43.76	197.4	215.4	298.1	0.0	43.16	44.26	2.227
04/21/88	19:00	43.66	196.2	211.4	295.6	0.0	43.01	44.11	1.444
04/21/88	20:00	43.38	193.1	208.8	293.0	0.0	43.04	44.22	1.297
04/21/88	21:00	43.14	190.5	170.0	291.1	0.0	7.161	44.08	1.173
04/21/88	22:00	42.89	187.7	174.9	287.8	29.23	29.00	0.0	1.154
04/21/88	23:00	42.80	186.6	196.5	285.9	38.91	44.07	0.0	.9185
04/22/88	00:00	42.51	183.2	192.2	282.7	39.00	43.85	0.0	.6165
04/22/88	01:00	42.24	179.9	187.5	281.1	39.07	43.96	0.0	.5789
04/22/88	02:00	41.96	176.5	183.3	278.9	38.95	44.02	0.0	.4648
04/22/88	03:00	41.70	173.4	178.2	273.7	38.96	44.00	0.0	.0791
04/22/88	04:00	41.44	170.3	175.4	269.7	38.92	43.96	0.0	.0791
04/22/88	05:00	41.17	167.0	174.8	266.2	38.87	44.01	0.0	.0791
04/22/88	06:00	40.92	164.2	173.8	260.1	38.93	43.96	0.0	.0791
04/22/88	07:00	40.66	161.3	176.9	251.5	38.87	44.00	0.0	.2769
04/22/88	08:00	40.40	158.4	182.3	243.1	38.87	44.06	0.0	.5717
04/22/88	09:00	40.15	155.6	186.8	227.7	38.95	43.97	0.0	2.211
04/22/88	10:00	39.89	152.7	192.3	224.0	38.51	44.07	0.0	1.902
04/22/88	11:00	39.63	149.5	195.3	220.7	38.47	43.99	0.0	1.582
04/22/88	12:00	39.38	146.5	197.0	219.9	38.56	44.08	0.0	1.246
04/22/88	13:00	39.12	143.5	197.1	219.5	38.36	44.07	0.0	1.297
04/22/88	14:00	38.83	140.0	195.9	219.7	38.27	44.06	0.0	1.705
04/22/88	15:00	38.58	136.9	191.4	219.6	38.17	43.92	0.0	1.418
04/22/88	16:00	38.12	131.6	189.1	218.7	37.75	44.02	0.0	1.385
04/22/88	17:00	38.10	131.2	191.1	218.2	37.81	44.12	0.0	1.404
04/22/88	18:00	37.85	128.4	191.0	209.1	37.77	44.12	0.0	1.404
04/22/88	19:00	37.61	125.7	188.2	202.6	37.63	43.96	0.0	1.303
04/22/88	20:00	37.28	122.0	188.6	200.5	37.25	44.11	0.0	1.206
04/22/88	21:00	37.10	120.1	185.8	201.8	37.42	44.11	0.0	1.259
04/22/88	22:00	36.83	117.0	184.3	201.0	37.62	44.01	0.0	1.381
04/22/88	23:00	36.58	113.9	184.4	200.0	37.53	44.08	0.0	1.294
04/23/88	00:00	36.31	110.7	189.9	195.9	37.43	44.16	0.0	1.500
04/23/88	01:00	35.83	105.2	187.8	191.7	37.26	44.11	0.0	1.578
04/23/88	02:00	35.81	104.9	181.5	187.7	37.12	43.97	0.0	1.785
04/23/88	03:00	35.55	102.0	178.6	180.8	37.31	44.08	0.0	2.135
04/23/88	04:00	35.38	100.2	236.2	172.5	36.83	44.16	0.0	84.27
04/23/88	05:00	35.99	107.0	305.8	166.6	36.99	44.01	0.0	183.5
04/23/88	06:00	36.67	115.1	292.3	164.3	37.25	44.02	0.0	118.7
04/23/88	07:00	36.93	118.2	266.9	163.1	37.43	43.76	0.0	46.37
04/23/88	08:00	36.88	117.6	233.8	164.9	37.18	43.90	0.0	13.23
04/23/88	09:00	36.67	115.1	213.5	170.1	36.97	42.95	0.0	3.271
04/23/88	10:00	36.43	112.2	206.0	179.7	36.96	43.17	0.0	2.027
04/23/88	11:00	36.18	109.1	201.5	187.9	36.72	43.09	0.0	1.631
04/23/88	12:00	35.93	106.3	196.9	195.4	36.82	43.03	0.0	1.444
04/23/88	13:00	35.46	101.1	194.1	202.0	36.78	42.93	0.0	1.593
04/23/88	14:00	35.42	100.7	191.7	212.2	36.42	42.97	0.0	1.375
04/23/88	15:00	35.17	97.92	187.7	224.5	36.21	43.12	0.0	1.275
04/23/88	16:00	34.90	94.98	184.5	216.5	36.25	43.04	0.0	1.060
04/23/88	17:00	34.64	92.35	182.7	216.2	35.93	43.00	0.0	1.490
04/23/88	18:00	34.38	89.78	180.7	215.5	35.88	43.13	0.0	1.088
04/23/88	19:00	34.12	87.20	180.6	214.7	35.67	43.09	0.0	1.150

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
04/23/88	20:00	33.81	84.07	178.7	213.5	35.12	42.88	0.0	.9887
04/23/88	21:00	33.56	81.63	177.0	210.5	35.16	43.06	0.0	.8891
04/23/88	22:00	33.28	78.76	175.9	208.1	35.22	43.14	0.0	.8351
04/23/88	23:00	32.97	75.69	175.4	206.7	35.37	43.11	0.0	.8218

MMSD STORM EVENT SUMMARY

Preparation date: 5/25/00

2000 Event number: 9

Weather Data

Start date / time of precipitation: 5/17/00 17:30

Stop date / time of precipitation: 5/19/00 1:35

Predicted precipitation quantity: 2.78"

Recorded precipitation quantity: 3.21"

ISS Information

Volume reserved for SS when CS gates
closed: 200 MG

Volume in tunnel when SS gates
reopened: 350 MG

Date / Time of CS gates closing: 5/17/00 22:59

Date / Time of SS gate closing: 5/18/00 11:39

Date / Time of CS gate reopening: 5/19/00 17:20 - 5/20/00 12:01

Date / Time of SS gate reopening: 5/18/00 23:02 - 5/20/00 7:02

Year to date CS gate closing events: 1

Year to date SS gate closing events: 1

Total (MG) pumped out for event: 690 MG

In-Plant Diversions

Jones Island

Date / Time-diversion started: 5/17/00 23:15

Date / Time-diversion stopped: 5/19/00 4:45

South Shore

Date / Time-diversion started: None

Date / Time-diversion stopped:

Comments

At 15:06 on 5/17/00 the reserve for SS was changed from 100 MG to 200 MG.

The reserve remains at 200 MG as of 5/22/00.

The date tag on the data reads "88" when it should read "00".

This is the result of a Y2K fix.

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
05/17/88	17:00	19.72	5.724	96.46	107.4	0.0	0.0	0.0	2.204
05/17/88	18:00	19.97	5.995	111.9	107.6	0.0	3.441	0.0	9.266
05/17/88	19:00	20.00	6.081	219.6	108.5	0.0	39.18	0.0	105.9
05/17/88	20:00	21.45	8.938	224.7	111.6	0.0	39.03	0.0	332.4
05/17/88	21:00	32.15	77.57	275.9	117.6	0.0	36.81	0.0	1674.
05/17/88	22:00	40.63	161.0	265.7	132.3	6.584	0.0	26.78	1149.
05/17/88	23:00	45.22	213.4	314.5	142.9	32.90	38.43	42.34	221.0
05/18/88	00:00	45.53	216.8	321.0	156.2	26.85	42.12	41.48	159.6
05/18/88	01:00	46.46	227.0	333.6	138.0	21.59	42.27	41.22	214.0
05/18/88	02:00	47.86	241.6	347.1	194.9	22.55	42.17	40.48	365.7
05/18/88	03:00	49.78	259.3	326.7	180.5	23.97	42.44	40.56	366.0
05/18/88	04:00	51.81	275.7	314.5	173.6	26.39	42.98	41.57	338.2
05/18/88	05:00	54.19	291.8	353.0	162.9	27.21	43.11	41.91	371.0
05/18/88	06:00	57.86	310.6	352.5	130.6	28.29	43.52	42.34	476.4
05/18/88	07:00	62.68	327.9	341.6	156.2	30.27	44.28	43.00	454.3
05/18/88	08:00	69.29	345.7	328.0	265.9	30.57	45.06	43.83	400.3
05/18/88	09:00	75.14	359.9	295.9	292.5	26.50	22.88	39.00	301.1
05/18/88	10:00	85.75	378.4	272.4	297.8	0.0	18.48	0.0	416.2
05/18/88	11:00	117.6	398.9	365.8	279.3	33.11	44.81	43.34	327.7
05/18/88	12:00	126.2	402.5	371.3	295.9	43.97	49.43	27.34	8.818
05/18/88	13:00	112.4	397.2	400.2	296.3	42.48	51.63	54.35	1.994
05/18/88	14:00	99.56	391.7	391.3	297.4	42.28	49.32	50.81	1.676
05/18/88	15:00	89.55	385.5	374.4	296.2	40.88	48.17	49.13	1.764
05/18/88	16:00	84.43	379.3	377.8	298.1	39.91	46.32	49.33	1.818
05/18/88	17:00	81.13	373.3	381.8	298.8	39.78	46.02	48.90	1.619
05/18/88	18:00	78.67	367.9	400.8	300.2	39.79	46.16	48.18	.6138
05/18/88	19:00	76.50	363.0	393.9	301.5	39.05	46.07	48.13	1.362
05/18/88	20:00	74.38	358.3	390.5	294.5	39.02	45.93	47.88	.2755
05/18/88	21:00	72.41	353.2	326.6	294.6	9.726	22.56	34.99	.3256
05/18/88	22:00	71.82	351.5	323.0	293.2	29.65	22.91	18.54	1.314
05/18/88	23:00	70.51	348.5	373.9	290.3	38.94	46.05	45.13	24.95
05/19/88	00:00	70.08	347.4	367.1	283.5	38.94	45.87	45.03	77.67
05/19/88	01:00	72.20	352.7	353.1	277.8	38.96	45.99	47.01	74.86
05/19/88	02:00	73.76	356.7	337.0	277.5	38.99	46.10	47.26	59.63
05/19/88	03:00	74.89	359.7	325.1	284.1	40.27	46.08	47.33	50.04
05/19/88	04:00	75.44	360.9	315.2	282.0	41.05	46.15	47.15	38.25
05/19/88	05:00	75.66	361.3	308.4	286.0	40.85	45.96	47.15	34.75
05/19/88	06:00	75.59	361.2	304.4	285.0	40.91	46.03	47.23	32.43
05/19/88	07:00	75.40	360.8	304.7	292.4	40.72	45.99	47.20	33.50
05/19/88	08:00	75.08	360.2	303.6	298.3	41.05	46.01	47.27	31.43
05/19/88	09:00	74.88	359.5	261.8	297.3	27.14	30.76	31.56	29.79
05/19/88	10:00	75.95	361.9	207.0	297.5	0.0	14.70	12.94	35.43
05/19/88	11:00	76.23	362.5	306.1	297.4	35.31	46.52	48.24	29.98
05/19/88	12:00	75.35	360.7	309.4	297.2	42.16	47.10	48.27	27.25
05/19/88	13:00	74.38	358.4	304.6	297.4	41.69	47.06	48.28	32.36
05/19/88	14:00	73.60	356.3	307.6	297.6	42.04	46.96	48.26	53.48
05/19/88	15:00	72.95	354.5	311.5	297.0	41.88	47.12	48.15	60.45
05/19/88	16:00	72.38	353.0	307.5	297.6	41.96	46.98	48.20	94.02
05/19/88	17:00	71.98	352.1	304.8	297.7	41.86	46.97	48.17	95.04
05/19/88	18:00	71.89	351.8	301.7	297.5	41.87	47.07	48.24	91.49
05/19/88	19:00	71.88	351.9	300.5	297.0	41.84	46.81	48.01	107.5
05/19/88	20:00	72.54	353.5	298.7	297.1	41.93	47.05	48.16	104.5
05/19/88	21:00	73.24	355.3	210.5	295.8	10.53	15.62	22.08	117.2
05/19/88	22:00	74.68	359.1	235.4	293.6	28.49	27.25	24.04	73.84

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
05/19/88	23:00	74.59	358.9	290.6	291.0	41.88	47.02	48.33	79.88
05/20/88	00:00	73.72	356.6	284.7	288.8	41.89	46.93	48.28	60.51
05/20/88	01:00	72.25	352.8	281.1	285.0	41.88	46.74	47.99	107.8
05/20/88	02:00	73.35	355.6	275.0	281.7	41.93	45.97	47.16	71.26
05/20/88	03:00	72.53	353.4	272.4	279.0	41.73	46.08	47.20	41.69
05/20/88	04:00	71.14	350.2	270.3	276.3	41.96	46.05	47.16	36.21
05/20/88	05:00	69.98	347.1	267.2	273.1	42.01	46.03	47.17	113.2
05/20/88	06:00	70.05	347.3	256.1	269.4	41.91	46.09	47.26	60.53
05/20/88	07:00	69.08	345.2	226.2	272.4	41.14	45.97	47.31	99.11
05/20/88	08:00	68.11	343.0	228.0	276.8	41.00	45.90	47.24	8.687
05/20/88	09:00	66.48	339.0	231.3	278.1	40.93	45.71	47.18	5.955
05/20/88	10:00	64.86	334.6	234.5	281.9	40.84	45.85	47.17	4.628
05/20/88	11:00	63.26	329.8	233.6	286.1	40.82	45.77	47.12	4.624
05/20/88	12:00	62.69	328.0	232.1	292.3	40.88	44.70	47.17	39.26
05/20/88	13:00	61.38	324.1	229.7	296.3	41.11	44.62	47.24	6.123
05/20/88	14:00	59.97	319.1	228.2	297.6	41.02	44.89	47.16	8.162
05/20/88	15:00	58.78	314.7	224.9	297.1	40.87	44.89	46.63	5.187
05/20/88	16:00	57.59	309.4	223.1	297.8	40.96	44.93	46.18	6.288
05/20/88	17:00	56.55	304.7	220.7	297.6	39.08	43.80	46.27	4.702
05/20/88	18:00	55.58	299.9	218.8	297.0	38.90	44.05	46.29	3.649
05/20/88	19:00	54.71	295.3	219.1	296.6	38.96	44.04	46.14	3.406
05/20/88	20:00	53.88	290.1	216.5	295.5	38.87	44.08	45.49	3.400
05/20/88	21:00	53.14	285.0	215.1	294.0	38.89	44.13	45.15	3.141
05/20/88	22:00	52.39	279.7	212.8	291.4	38.72	43.71	44.96	2.711
05/20/88	23:00	51.70	274.9	209.2	287.6	38.86	44.04	45.10	2.736
05/21/88	00:00	51.08	270.5	205.5	284.0	38.89	44.11	44.87	3.851
05/21/88	01:00	50.45	265.1	206.7	279.7	39.04	43.77	45.03	3.129
05/21/88	02:00	49.88	260.1	204.2	275.7	38.06	44.06	45.11	2.287
05/21/88	03:00	49.30	255.4	200.7	271.8	37.99	43.68	45.04	2.365
05/21/88	04:00	48.78	250.8	198.0	268.3	37.91	43.01	45.27	2.158
05/21/88	05:00	48.28	245.8	193.4	263.7	38.01	42.85	45.19	2.235
05/21/88	06:00	47.78	240.8	191.3	257.2	38.04	43.21	45.20	2.177
05/21/88	07:00	47.28	235.8	193.4	245.8	37.90	42.95	45.17	49.62
05/21/88	08:00	46.80	230.8	199.2	232.8	38.01	42.93	45.16	43.71
05/21/88	09:00	46.36	225.9	205.3	230.8	37.94	43.09	45.09	2.748
05/21/88	10:00	45.90	220.9	212.2	229.1	37.90	43.08	45.11	3.478
05/21/88	11:00	45.51	216.6	215.5	230.2	37.82	42.93	45.23	3.083
05/21/88	12:00	45.06	211.6	213.5	230.8	37.86	43.07	45.21	3.438
05/21/88	13:00	44.63	207.0	211.1	233.4	37.92	43.03	43.35	3.390
05/21/88	14:00	44.23	202.5	209.9	234.2	37.77	43.04	43.20	3.238
05/21/88	15:00	43.82	198.1	208.4	234.8	39.19	42.53	44.01	2.959
05/21/88	16:00	43.40	193.4	207.3	236.2	39.13	42.59	44.20	3.345
05/21/88	17:00	43.05	189.5	207.4	236.5	38.99	42.48	44.14	3.071
05/21/88	18:00	42.62	184.5	207.3	235.1	38.69	42.31	44.12	6.438
05/21/88	19:00	42.24	179.9	209.9	234.1	38.47	42.61	44.03	7.148
05/21/88	20:00	41.84	175.1	212.2	232.8	38.23	42.53	44.18	6.338
05/21/88	21:00	41.47	170.6	215.2	231.3	38.04	42.60	44.19	5.882
05/21/88	22:00	41.10	166.3	213.3	230.1	37.91	42.46	44.06	3.792
05/21/88	23:00	40.73	162.1	210.1	229.3	37.96	42.54	44.23	3.127
05/22/88	00:00	40.32	157.5	203.3	227.4	37.68	42.53	43.64	6.765
05/22/88	01:00	39.96	153.5	196.4	224.1	37.68	42.47	43.63	2.771
05/22/88	02:00	39.54	148.5	190.2	222.0	37.58	42.49	43.48	2.985
05/22/88	03:00	39.17	144.1	187.5	217.8	37.57	42.50	43.71	2.569
05/22/88	04:00	38.80	139.6	184.8	214.1	37.48	42.31	43.57	2.605

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
05/22/88	05:00	38.40	134.8	185.4	208.3	37.07	42.44	43.22	3.014
05/22/88	06:00	38.01	130.1	187.1	203.2	36.62	42.32	43.39	3.758
05/22/88	07:00	37.60	125.6	199.9	189.3	36.51	42.51	43.52	5.803
05/22/88	08:00	37.25	121.8	214.8	174.7	36.29	42.46	43.70	4.285
05/22/88	09:00	36.84	117.1	202.9	161.1	30.17	35.47	36.40	64.96
05/22/88	10:00	36.76	116.1	134.4	157.9	0.0	0.0	0.0	26.77
05/22/88	11:00	36.91	118.0	137.1	177.1	0.0	0.0	0.0	31.75
05/22/88	12:00	36.81	116.8	201.1	226.2	22.26	34.59	32.69	38.06
05/22/88	13:00	36.43	112.2	216.3	224.9	37.61	41.87	43.66	72.48
05/22/88	14:00	36.12	108.4	214.0	215.2	37.85	41.50	43.78	32.55
05/22/88	15:00	36.09	108.1	211.3	209.5	37.93	41.42	43.82	3.548
05/22/88	16:00	36.09	108.1	159.3	207.3	15.80	17.26	19.62	4.344
05/22/88	17:00	36.09	108.1	123.9	203.5	0.0	0.0	2.331	5.261
05/22/88	18:00	36.09	108.1	124.9	198.5	0.0	0.0	2.331	5.529
05/22/88	19:00	36.09	108.1	124.1	198.6	0.0	0.0	2.331	3.337
05/22/88	20:00	36.45	112.5	121.0	199.5	0.0	0.0	2.331	3.657
05/22/88	21:00	35.84	105.3	121.1	200.9	0.0	0.0	2.331	6.439
05/22/88	22:00	34.77	94.33	147.1	202.3	18.32	17.63	11.04	3.959
05/22/88	23:00	33.77	83.84	199.4	197.3	35.93	42.07	42.02	3.762
05/23/88	00:00	33.34	79.41	196.7	191.3	35.78	42.03	42.17	4.634
05/23/88	01:00	32.90	74.96	192.1	189.2	35.68	42.04	42.11	3.190
05/23/88	02:00	32.47	70.69	185.4	190.0	35.34	42.04	42.16	3.091
05/23/88	03:00	32.00	66.13	179.9	189.0	35.16	42.04	42.25	3.450
05/23/88	04:00	31.52	62.19	177.7	184.3	35.03	41.87	42.06	3.101
05/23/88	05:00	31.04	58.35	176.8	179.9	34.67	41.53	42.08	3.518
05/23/88	06:00	30.54	54.33	178.8	176.8	34.36	41.49	41.88	2.956
05/23/88	07:00	30.02	50.21	186.0	172.2	33.89	41.58	41.25	4.575
05/23/88	08:00	29.47	46.32	198.7	167.0	33.44	41.55	41.05	5.537
05/23/88	09:00	28.91	42.34	188.6	169.1	27.66	34.45	34.21	4.992
05/23/88	10:00	28.81	41.69	127.5	171.4	0.0	0.0	6.878	3.146
05/23/88	11:00	28.80	41.58	163.0	172.2	0.0	0.0	41.23	4.776
05/23/88	12:00	28.65	40.58	163.4	172.4	0.0	0.0	41.14	9.863
05/23/88	13:00	28.50	39.48	163.0	168.6	0.0	0.0	41.17	25.73
05/23/88	14:00	28.47	39.26	161.1	157.9	0.0	0.0	41.25	3.683
05/23/88	15:00	28.32	38.24	159.4	155.5	0.0	0.0	41.15	3.797
05/23/88	16:00	28.15	37.02	158.0	154.5	0.0	0.0	41.71	3.352
05/23/88	17:00	27.99	35.96	155.1	152.5	0.0	0.0	42.02	4.190
05/23/88	18:00	27.81	35.05	155.3	150.0	0.0	0.0	42.22	4.878
05/23/88	19:00	27.63	34.15	157.1	147.6	0.0	0.0	42.26	3.751
05/23/88	20:00	27.45	33.24	157.3	147.9	0.0	0.0	42.18	3.516
05/23/88	21:00	27.27	32.35	152.7	147.6	0.0	0.0	38.70	3.730
05/23/88	22:00	26.96	30.73	137.4	148.1	29.16	27.31	0.0	3.891
05/23/88	23:00	26.63	28.78	150.2	148.4	33.90	40.85	0.0	3.672
05/24/88	00:00	26.18	26.08	147.6	150.5	33.88	40.96	0.0	2.996
05/24/88	01:00	25.68	23.72	141.2	155.5	33.75	40.91	0.0	2.712
05/24/88	02:00	25.15	21.61	135.3	160.0	33.66	40.42	0.0	3.067
05/24/88	03:00	24.57	19.28	130.4	161.9	33.43	41.03	0.0	2.898
05/24/88	04:00	23.94	16.75	126.7	161.3	33.16	41.03	0.0	3.126
05/24/88	05:00	23.23	13.94	132.1	159.7	32.37	40.68	7.061	3.148
05/24/88	06:00	22.04	10.29	168.7	156.7	31.45	40.39	40.85	3.011
05/24/88	07:00	20.37	6.849	177.4	156.5	30.51	39.35	40.06	2.869
05/24/88	08:00	16.87	2.744	181.4	155.1	26.18	35.39	34.91	3.231
05/24/88	09:00	16.26	2.149	116.6	154.7	0.0	0.0	0.0	5.887

MMSD STORM EVENT SUMMARY

Preparation date: 6/7/00

2000 Event number: 12

Weather Data

Start date / time of precipitation: 5/31/00 15:39
Predicted precipitation quantity: 3.78

Stop date / time of precipitation: 6/5/00 6:35
Recorded precipitation quantity: 2.13

ISS Information

Volume reserved for SS when CS gates
closed: 166.9
Date / Time of CS gates closing: 6/1/00 20:14
Date / Time of CS gate reopening: 6/2/00 7:10 - 9:32
Year to date CS gate closing events: 2

Volume in tunnel when SS gates
reopened: N/A
Date / Time of SS gate closing:
Date / Time of SS gate reopening:
Year to date SS gate closing events: 1
Total (MG) pumped out for event: 603 MG

Plant Diversions

Jones Island
Date / Time-diversion started: 6/1/00 20:00
Date / Time-diversion stopped: 6/2/00 3:00
Type of diversion: ISS

South Shore
Date / Time-diversion started: None
Date / Time-diversion stopped:
Type of diversion:

Comments

At 16:43 on 6/1/00 the minimum reserve for SS was changed from 200 MG to 100 MG.
The reserve remains at 100 MG as of 6/5/00.

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
5/31/00	3:00 PM	24.60	20.42	272.73	162.90	0.00	0.00	31.06	429.09
5/31/00	4:00 PM	28.34	38.45	211.74	166.00	0.00	0.00	0.00	87.14
5/31/00	5:00 PM	28.66	40.61	230.42	173.62	29.91	37.11	34.44	23.72
5/31/00	6:00 PM	28.27	37.89	214.38	187.61	25.92	40.47	42.07	8.57
5/31/00	7:00 PM	27.73	34.63	201.00	205.30	24.48	40.52	42.08	6.07
5/31/00	8:00 PM	27.11	31.52	195.70	221.69	24.59	40.13	42.18	5.48
5/31/00	9:00 PM	26.73	29.41	114.92	232.33	4.03	0.00	3.49	6.89
5/31/00	10:00 PM	26.80	29.83	199.72	237.13	26.92	29.97	27.49	30.70
5/31/00	11:00 PM	26.27	26.64	242.74	230.14	30.74	40.03	41.32	43.56
6/1/00	12:00 AM	25.97	24.89	267.60	235.38	30.70	40.02	40.87	96.92
6/1/00	1:00 AM	26.44	27.60	300.39	241.45	30.97	40.14	40.99	301.79
6/1/00	2:00 AM	28.90	42.52	312.85	246.63	31.30	41.02	42.08	449.72
6/1/00	3:00 AM	31.45	61.63	280.15	256.22	32.53	17.08	42.11	216.53
6/1/00	4:00 AM	32.18	67.84	277.38	274.81	32.26	0.00	42.13	124.74
6/1/00	5:00 AM	35.47	102.28	307.76	288.04	33.24	0.00	42.14	983.21
6/1/00	6:00 AM	38.32	133.84	297.55	301.76	34.34	0.00	42.21	233.75
6/1/00	7:00 AM	38.99	141.91	273.20	303.22	34.36	0.00	42.23	233.17
6/1/00	8:00 AM	39.60	149.16	278.64	304.46	33.90	18.62	42.30	201.50
6/1/00	9:00 AM	40.21	156.30	265.66	305.07	24.49	30.77	35.21	180.22
6/1/00	10:00 AM	40.81	162.95	167.98	305.45	0.00	0.00	0.00	161.11
6/1/00	11:00 AM	41.40	169.84	260.46	303.22	35.15	34.13	35.13	450.13
6/1/00	12:00 PM	41.70	173.44	276.91	301.50	38.33	41.04	42.28	129.70
6/1/00	1:00 PM	41.86	175.38	274.84	302.48	38.01	42.04	43.09	126.90
6/1/00	2:00 PM	41.95	176.38	272.93	301.20	38.40	42.18	42.92	81.26
6/1/00	3:00 PM	41.90	175.81	277.88	301.35	36.92	41.89	42.84	72.30
6/1/00	4:00 PM	41.83	174.91	282.73	300.25	35.92	42.05	42.21	95.53
6/1/00	5:00 PM	41.73	173.72	283.66	299.18	35.97	41.95	42.17	52.77
6/1/00	6:00 PM	41.49	170.84	277.67	300.87	36.11	42.10	42.06	26.41
6/1/00	7:00 PM	41.21	167.50	266.64	300.86	35.95	41.93	42.07	466.62
6/1/00	8:00 PM	47.13	233.63	363.73	300.94	36.26	41.96	42.17	854.04
6/1/00	9:00 PM	48.42	247.22	302.10	299.96	18.46	24.50	28.07	211.78
6/1/00	10:00 PM	47.74	238.60	311.53	302.00	31.93	32.37	33.02	166.80
6/1/00	11:00 PM	49.85	259.83	322.00	302.01	37.89	42.89	44.15	167.22
6/2/00	12:00 AM	50.33	263.98	308.37	302.53	38.05	42.93	43.63	147.05
6/2/00	1:00 AM	50.82	268.38	298.27	301.79	37.96	43.01	44.14	134.27
6/2/00	2:00 AM	51.16	271.13	283.16	301.82	38.00	42.92	44.06	104.80
6/2/00	3:00 AM	51.34	272.35	275.04	301.40	37.99	42.95	43.86	92.29
6/2/00	4:00 AM	51.34	272.39	269.61	300.66	38.05	43.04	44.07	79.90

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
6/2/00	5:00 AM	51.25	271.75	268.06	300.20	37.89	43.00	43.97	370.16
6/2/00	6:00 AM	51.19	271.33	269.14	301.03	37.94	43.06	43.43	43.01
6/2/00	7:00 AM	51.06	270.35	274.42	299.62	37.96	43.01	44.10	111.19
6/2/00	8:00 AM	52.18	278.19	276.28	300.39	37.92	42.83	43.98	331.36
6/2/00	9:00 AM	53.91	290.21	241.48	300.29	28.55	32.23	30.67	100.90
6/2/00	10:00 AM	54.43	293.52	163.69	302.08	6.28	7.32	3.64	61.32
6/2/00	11:00 AM	54.73	295.34	269.46	303.34	37.90	44.04	44.04	92.48
6/2/00	12:00 PM	54.32	292.94	268.12	303.32	38.08	44.08	44.14	55.73
6/2/00	1:00 PM	54.06	291.35	265.55	301.85	37.97	43.98	44.02	63.53
6/2/00	2:00 PM	53.86	290.02	264.48	301.06	37.98	44.09	44.06	40.00
6/2/00	3:00 PM	53.47	287.26	261.74	301.14	37.98	44.04	44.04	20.69
6/2/00	4:00 PM	52.84	282.87	259.93	301.18	37.95	43.89	43.62	14.90
6/2/00	5:00 PM	52.17	278.22	258.88	301.71	38.04	43.93	44.05	24.46
6/2/00	6:00 PM	51.64	274.45	256.92	300.32	38.07	43.97	44.05	21.95
6/2/00	7:00 PM	51.11	270.68	255.86	300.66	38.10	43.93	44.01	19.66
6/2/00	8:00 PM	50.60	266.37	250.81	299.40	37.06	43.00	44.08	12.82
6/2/00	9:00 PM	50.20	262.78	166.44	298.81	12.36	14.31	14.65	10.10
6/2/00	10:00 PM	50.07	261.65	183.08	295.78	15.15	21.56	21.49	7.73
6/2/00	11:00 PM	49.76	259.08	241.64	295.03	36.20	42.96	42.40	8.27
6/3/00	12:00 AM	49.23	254.85	242.58	297.24	38.45	44.02	44.03	6.42
6/3/00	1:00 AM	48.71	250.11	239.75	295.26	37.90	43.95	44.09	5.37
6/3/00	2:00 AM	48.24	245.40	240.86	289.37	37.87	44.07	43.46	5.41
6/3/00	3:00 AM	47.76	240.58	241.42	282.91	38.14	43.97	43.55	4.87
6/3/00	4:00 AM	47.27	235.66	240.64	277.36	37.81	44.08	43.36	4.44
6/3/00	5:00 AM	46.82	230.99	239.06	273.31	38.05	43.62	43.48	3.94
6/3/00	6:00 AM	46.37	226.10	237.57	267.07	37.73	43.32	43.66	4.03
6/3/00	7:00 AM	45.93	221.26	239.66	258.50	37.38	43.06	43.70	7.48
6/3/00	8:00 AM	45.51	216.59	245.21	243.37	37.45	43.11	43.60	10.99
6/3/00	9:00 AM	45.14	212.49	250.12	238.75	37.45	42.84	43.55	8.43
6/3/00	10:00 AM	44.73	207.99	256.49	234.67	37.21	43.13	43.63	35.80
6/3/00	11:00 AM	44.55	206.04	258.13	233.68	35.95	42.97	43.62	52.06
6/3/00	12:00 PM	44.39	204.27	257.61	232.22	35.90	43.10	43.60	20.21
6/3/00	1:00 PM	44.01	200.12	255.04	230.10	36.11	43.09	43.16	10.05
6/3/00	2:00 PM	43.64	196.08	250.69	224.66	36.02	42.98	42.08	11.05
6/3/00	3:00 PM	43.27	191.98	247.87	219.01	35.72	43.08	42.04	10.97
6/3/00	4:00 PM	42.92	188.05	248.10	215.78	36.08	43.18	42.06	7.71
6/3/00	5:00 PM	42.52	183.25	248.18	214.00	35.96	43.04	41.92	7.50
6/3/00	6:00 PM	42.14	178.69	246.44	213.86	35.93	42.94	42.03	6.30

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
6/3/00	7:00 PM	41.77	174.28	245.55	212.97	36.04	42.87	42.02	6.99
6/3/00	8:00 PM	41.42	170.09	244.31	212.37	35.92	43.06	42.21	6.36
6/3/00	9:00 PM	41.03	165.43	241.80	211.19	36.07	42.46	42.18	6.24
6/3/00	10:00 PM	40.65	161.19	239.38	209.57	35.87	41.98	42.08	6.46
6/3/00	11:00 PM	40.28	157.07	237.08	206.49	36.02	41.96	42.11	6.01
6/4/00	12:00 AM	39.94	153.23	233.87	203.76	36.00	41.94	42.12	5.17
6/4/00	1:00 AM	39.54	148.50	227.35	199.45	35.95	42.00	41.94	4.61
6/4/00	2:00 AM	39.17	144.00	223.45	196.10	35.95	42.10	42.19	4.15
6/4/00	3:00 AM	38.80	139.63	221.66	189.57	35.96	42.06	42.31	3.15
6/4/00	4:00 AM	38.45	135.34	220.10	185.47	35.90	42.03	42.14	5.12
6/4/00	5:00 AM	38.09	131.04	218.75	179.98	35.97	42.07	42.20	3.12
6/4/00	6:00 AM	37.70	126.68	196.28	175.31	36.00	41.86	42.24	3.24
6/4/00	7:00 AM	37.30	122.32	181.05	170.02	36.01	41.93	42.27	3.14
6/4/00	8:00 AM	36.95	118.38	182.39	168.28	35.82	41.87	41.99	5.03
6/4/00	9:00 AM	36.59	114.03	189.60	171.49	35.48	41.99	42.30	7.29
6/4/00	10:00 AM	36.19	109.28	196.47	177.18	35.19	41.88	42.14	5.75
6/4/00	11:00 AM	35.84	105.28	199.78	181.18	35.16	42.04	42.16	6.73
6/4/00	12:00 PM	35.46	101.04	203.15	186.94	35.06	42.08	41.66	7.04
6/4/00	1:00 PM	35.08	96.90	204.49	192.57	34.60	42.04	41.39	6.91
6/4/00	2:00 PM	34.72	93.24	202.24	197.82	34.83	41.82	41.16	7.33
6/4/00	3:00 PM	34.34	89.41	201.79	204.30	34.99	41.86	41.20	6.27
6/4/00	4:00 PM	33.95	85.48	197.99	207.05	34.58	40.95	41.12	6.04
6/4/00	5:00 PM	33.55	81.55	196.04	207.84	34.29	41.05	41.32	5.82
6/4/00	6:00 PM	33.15	77.46	193.30	208.25	34.06	41.13	41.18	5.81
6/4/00	7:00 PM	32.75	73.53	202.59	205.99	33.91	40.98	41.38	15.45
6/4/00	8:00 PM	32.41	70.09	216.50	206.07	33.53	41.07	41.17	12.51
6/4/00	9:00 PM	31.99	66.03	212.73	206.10	33.48	40.89	41.38	9.01
6/4/00	10:00 PM	31.61	62.89	219.17	206.08	33.53	40.79	41.22	12.77
6/4/00	11:00 PM	31.20	59.58	216.47	206.33	33.33	41.00	41.32	7.94
6/5/00	12:00 AM	30.78	56.21	203.05	207.11	33.11	40.94	41.17	5.21
6/5/00	1:00 AM	30.30	52.40	190.60	205.30	33.15	41.03	40.96	3.50
6/5/00	2:00 AM	29.79	48.52	197.53	203.28	33.14	41.05	41.28	43.00
6/5/00	3:00 AM	30.02	50.29	289.06	201.89	33.12	41.09	41.32	328.66
6/5/00	4:00 AM	31.47	61.75	302.16	201.25	33.50	41.06	41.32	193.94
6/5/00	5:00 AM	31.86	64.85	276.76	203.07	33.48	41.09	41.14	63.48
6/5/00	6:00 AM	31.88	65.02	271.22	206.04	33.50	41.12	41.06	64.18
6/5/00	7:00 AM	31.83	64.63	262.42	209.48	33.12	41.12	41.13	39.22
6/5/00	8:00 AM	31.58	62.63	236.59	214.86	33.08	41.07	41.12	23.83

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
6/5/00	9:00 AM	31.25	59.98	202.27	221.64	27.49	30.95	30.78	15.06
6/5/00	10:00 AM	31.19	59.54	139.19	229.29	0.00	0.00	10.14	7.05
6/5/00	11:00 AM	31.23	59.88	165.61	234.88	0.00	0.00	40.98	7.78
6/5/00	12:00 PM	31.14	59.08	162.04	235.15	0.00	0.00	41.81	7.54
6/5/00	1:00 PM	31.04	58.29	158.24	233.78	0.00	0.00	42.17	6.48
6/5/00	2:00 PM	30.93	57.42	155.75	236.43	0.00	0.00	42.24	6.39
6/5/00	3:00 PM	30.83	56.65	153.35	234.66	0.00	0.00	42.05	6.14
6/5/00	4:00 PM	30.72	55.77	151.81	233.40	0.00	0.00	42.03	6.00
6/5/00	5:00 PM	30.48	53.88	150.03	231.05	0.00	0.00	42.14	6.18
6/5/00	6:00 PM	30.49	53.94	148.18	228.64	0.00	0.00	42.00	6.17
6/5/00	7:00 PM	30.38	53.00	146.69	227.76	0.00	0.00	42.18	6.02
6/5/00	8:00 PM	30.24	51.90	145.74	225.16	0.00	0.00	42.23	5.74
6/5/00	9:00 PM	30.11	50.85	145.34	224.13	0.00	0.00	42.16	5.89
6/5/00	10:00 PM	29.88	49.17	130.90	222.17	11.82	26.72	0.00	5.11
6/5/00	11:00 PM	29.64	47.50	184.82	220.88	33.83	41.54	38.45	4.46
6/6/00	12:00 AM	29.11	43.77	190.73	218.55	33.39	42.07	42.30	3.49
6/6/00	1:00 AM	28.49	39.46	188.42	216.61	33.09	42.10	42.02	2.47
6/6/00	2:00 AM	27.88	35.45	185.92	213.79	32.91	41.95	42.24	2.01
6/6/00	3:00 AM	27.21	32.03	181.50	209.70	32.79	42.09	42.04	2.00
6/6/00	4:00 AM	26.44	27.66	181.39	206.04	32.38	41.98	42.08	2.01
6/6/00	5:00 AM	25.67	23.72	181.97	201.05	32.03	41.43	41.49	1.11
6/6/00	6:00 AM	24.80	20.20	180.80	197.45	31.26	40.30	40.43	2.30
6/6/00	7:00 AM	23.83	16.31	187.24	193.38	30.96	40.51	40.60	3.32
6/6/00	8:00 AM	22.70	12.15	196.10	186.19	30.49	40.51	40.64	7.64
6/6/00	9:00 AM	20.33	7.41	188.92	183.43	24.74	33.69	33.90	7.33
6/6/00	10:00 AM	12.50	0.50	121.84	187.79	0.00	0.00	0.00	4.67

MMSD STORM EVENT SUMMARY

Preparation date: 6/20/00

2000 Event number: 13

Weather Data

Start date / time of precipitation: 6/12/00 6:05
 Predicted precipitation quantity: 0.8"

Stop date / time of precipitation: 6/14/00 20:25
 Recorded precipitation quantity: .84"

ISS Information

Volume reserved for SS when CS gates closed: N/A
 Date / Time of CS gates closing: _____
 Date / Time of CS gate reopening: _____
 Year to date CS gate closing events: 2

Volume in tunnel when SS gates reopened: N/A
 Date / Time of SS gate closing: _____
 Date / Time of SS gate reopening: _____
 Year to date SS gate closing events: 1
 Total (MG) pumped out for event: 51.7 MG

Plant Diversions

Jones Island

Date / Time-diversion started: 13:30, 16:00
 Date / Time-diversion stopped: 18:45, 21:00
 Type of diversion: PE, ISS

South Shore

Date / Time-diversion started: none
 Date / Time-diversion stopped: _____
 Type of diversion: _____

Comments

PE diversion began due to excess gravity flow into plant from rain. Secondary process was at maximum capacity.

ISS diversion began due to excess flow into plant from gravity and tunnel.

Both primary and secondary plant were at maximum capacity.

Great Lakes Weather Service 24 hour Predictions

Recorded Precipitation

<u>Entry time</u>		<u>Midnight to Midnight Prediction</u>		
6/12/00	0:10	0.05"	6/12/00	0.77
6/12/00	8:05	0.25"		
6/12/00	11:20	0.5"		
6/13/00	0:00	0.3"	6/13/00	0.07

Weather forecasts for the week were for thunderstorms and rain. By 6/13 there were flash flood warnings posted for the area.

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
		X300LCL00	X800IAL00	X904AAL00	X904BAZ00	X300GAZ00	X300GBZ00	X300GCZ00	X906ZK100
6/12/00	5:00 AM	15.36	1.79	84.39	111.20	0.00	22.77	0.00	3.35
6/12/00	6:00 AM	15.89	1.97	61.82	106.75	0.00	0.00	0.00	3.87
6/12/00	7:00 AM	16.59	2.29	70.16	103.29	0.00	0.00	0.00	4.44
6/12/00	8:00 AM	17.08	2.54	82.27	100.13	0.00	0.00	0.00	6.55
6/12/00	9:00 AM	17.63	2.82	120.22	98.31	0.00	0.00	0.00	28.95
6/12/00	10:00 AM	18.73	4.34	181.10	99.45	0.00	0.00	0.00	90.21
6/12/00	11:00 AM	21.64	9.58	226.04	102.77	0.00	0.00	0.00	280.51
6/12/00	12:00 PM	25.28	22.25	229.43	108.36	0.00	0.00	0.00	220.11
6/12/00	1:00 PM	27.33	32.63	221.85	116.98	0.00	0.00	0.00	194.40
6/12/00	2:00 PM	29.65	47.85	237.20	127.79	0.00	0.00	0.00	391.20
6/12/00	3:00 PM	31.93	65.72	246.90	135.50	0.00	6.51	3.25	269.93
6/12/00	4:00 PM	33.14	77.42	311.40	142.39	2.55	39.86	39.79	167.32
6/12/00	5:00 PM	33.37	79.72	307.20	151.26	27.51	40.06	41.15	47.07
6/12/00	6:00 PM	33.11	77.09	268.97	163.37	30.07	40.05	41.12	17.91
6/12/00	7:00 PM	32.80	74.02	238.26	184.58	28.86	40.23	41.09	10.36
6/12/00	8:00 PM	32.45	70.45	230.54	198.21	28.97	40.08	41.23	8.88
6/12/00	9:00 PM	32.16	67.66	123.64	207.23	4.96	0.00	3.44	8.61
6/12/00	10:00 PM	32.18	67.77	172.39	214.05	21.81	30.43	28.39	7.77
6/12/00	11:00 PM	31.77	64.19	185.29	214.43	30.25	40.98	42.81	6.77
6/13/00	12:00 AM	31.33	60.65	182.32	210.38	29.75	41.10	43.17	5.67
6/13/00	1:00 AM	30.85	56.83	177.28	205.98	30.52	40.56	42.61	4.65
6/13/00	2:00 AM	30.36	52.90	169.21	202.70	30.87	40.14	42.23	4.10
6/13/00	3:00 AM	29.83	48.85	157.69	190.95	30.89	40.20	42.10	3.98
6/13/00	4:00 AM	29.32	45.26	157.18	173.16	30.74	39.97	42.26	3.59
6/13/00	5:00 AM	28.75	41.27	172.71	158.12	30.67	39.78	42.15	3.91
6/13/00	6:00 AM	28.12	36.91	186.30	213.49	30.37	40.12	42.05	4.10
6/13/00	7:00 AM	27.55	33.75	190.45	205.72	29.99	39.98	42.39	5.03
6/13/00	8:00 AM	26.76	29.52	196.43	195.08	28.95	39.88	42.02	5.58
6/13/00	9:00 AM	26.19	26.19	181.89	189.11	23.74	33.40	35.06	6.12
6/13/00	10:00 AM	26.07	25.42	91.18	182.49	0.00	0.00	0.00	6.38
6/13/00	11:00 AM	26.11	25.69	92.09	176.31	0.00	0.00	0.00	6.45
6/13/00	12:00 PM	26.23	26.41	92.39	172.34	0.00	0.00	0.00	6.96
6/13/00	1:00 PM	26.36	27.19	91.79	169.82	0.00	0.00	0.00	6.93
6/13/00	2:00 PM	26.47	27.81	91.56	167.80	0.00	0.00	0.00	7.27
6/13/00	3:00 PM	26.48	27.88	113.08	165.08	0.00	13.41	10.10	7.15
6/13/00	4:00 PM	26.20	26.21	168.16	164.06	0.00	40.04	40.35	6.92
6/13/00	5:00 PM	25.59	23.38	166.90	163.80	0.00	40.09	40.33	6.87

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
6/13/00	6:00 PM	25.13	21.51	166.92	161.92	0.00	40.11	40.18	6.54
6/13/00	7:00 PM	24.47	18.88	165.51	160.72	0.00	40.09	40.15	7.37
6/13/00	8:00 PM	23.88	16.53	167.22	160.71	0.00	40.06	40.32	8.77
6/13/00	9:00 PM	23.49	14.98	101.48	160.59	0.00	0.14	3.33	11.01
6/13/00	10:00 PM	23.56	15.25	149.10	160.99	0.00	26.73	26.89	9.43
6/13/00	11:00 PM	22.80	12.45	167.96	162.25	0.00	40.16	40.25	6.76
6/14/00	12:00 AM	21.95	10.01	162.54	161.72	0.00	39.89	41.38	6.06
6/14/00	1:00 AM	20.68	7.36	157.73	160.93	0.00	39.47	42.68	4.97
6/14/00	2:00 AM	19.21	5.05	152.23	159.14	0.00	39.36	42.72	4.49
6/14/00	3:00 AM	16.41	2.32	127.48	156.13	0.00	29.23	31.16	4.63
6/14/00	4:00 AM	16.35	2.18	64.76	153.04	0.00	0.00	0.00	4.53

MMSD STORM EVENT SUMMARY

Preparation date: 7/11/00

2000 Event number: 14

Weather Data

Start date / time of precipitation: 7/2/00 6:05
 Predicted precipitation quantity: 2.67"

Stop date / time of precipitation: 7/8/00 15:10
 Recorded precipitation quantity: 3.21"

ISS Information

Volume reserved for SS when CS gates
 closed: 200 MG
 Date / Time of CS gates closing: 7/2/00 20:17
 Date / Time of CS gate reopening: 7/2 23:23 - 7/3 18:27
 Year to date CS gate closing events: 3

Volume in tunnel when SS gates
 reopened: N/A
 Date / Time of SS gate closing:
 Date / Time of SS gate reopening:
 Year to date SS gate closing events: 1
 Total (MG) pumped out for event: 690 MG

Plant Diversions

Jones Island

Date / Time-diversion started: *
 Date / Time-diversion stopped: *
 Type of diversion: *

South Shore

Date / Time-diversion started: none
 Date / Time-diversion stopped:
 Type of diversion:

Comments

Minimum reserve for SS: 200 MG to 75 MG @ 07:18 on 7/3/00
75 MG to 100 MG @ 22:07 on 7/4/00
100 MG to 200 MG @ 14:59 on 7/7/00

Great Lakes Weather Service 24 hour Predictions

<u>Entry time</u>	<u>Midnight to Midnight Prediction</u>
7/2/00 0:00	0.34"
7/3/00 0:00	0.34"
7/3/00 17:40	0.00"
7/4/00 0:05	0.06"
7/5/00 0:00	0.00"
7/6/00 0:10	0.10"
7/7/00 0:05	0.15"
7/8/00 0:05	0.48"
7/9/00 0:00	0.48"
7/9/00 9:03	1.20"

Recorded Precipitation

7/2/00	2.49"
7/3/00	.04"
7/4/00	.00"
7/5/00	.01"
7/6/00	.00"
7/7/00	.00"
7/8/00	.67"
7/9/00	.00"

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
		X300LCL00	X800IAL00	X904AAL00	X904BAZ00	X300GAZ00	X300GBZ00	X300GCZ00	X906ZKI00
7/2/88	2:00 PM	19.48	5.48	75.68	81.13	0.00	0.00	0.00	8.35
7/2/88	3:00 PM	19.74	5.74	73.34	86.02	0.00	0.00	0.00	8.04
7/2/88	4:00 PM	19.99	6.01	72.84	90.83	0.00	0.00	0.00	8.77
7/2/88	5:00 PM	20.25	6.51	71.97	93.97	0.00	0.00	0.00	10.22
7/2/88	6:00 PM	20.77	7.71	112.30	95.45	0.00	0.00	9.90	1156.50
7/2/88	7:00 PM	36.76	117.85	276.27	98.15	36.21	0.00	42.63	1529.42
7/2/88	8:00 PM	42.55	183.37	284.93	93.62	37.79	6.85	43.32	978.49
7/2/88	9:00 PM	44.15	201.66	315.43	106.32	36.89	42.89	43.24	47.67
7/2/88	10:00 PM	44.14	201.49	307.85	182.18	36.15	43.13	43.10	190.92
7/2/88	11:00 PM	45.24	213.61	311.68	329.80	8.97	41.76	43.26	438.91
7/3/88	12:00 AM	47.09	233.66	314.20	329.47	0.00	41.04	41.89	423.90
7/3/88	1:00 AM	48.91	251.72	294.97	319.86	0.00	41.11	41.19	347.55
7/3/88	2:00 AM	50.55	265.89	272.03	315.74	0.00	41.08	41.19	257.50
7/3/88	3:00 AM	51.49	273.35	278.01	328.03	30.69	41.02	41.17	169.57
7/3/88	4:00 AM	52.18	278.26	281.08	328.55	36.29	40.93	41.21	165.67
7/3/88	5:00 AM	52.60	281.19	271.66	326.91	36.42	40.99	41.26	132.71
7/3/88	6:00 AM	53.04	284.27	262.33	318.59	36.50	41.01	41.25	117.48
7/3/88	7:00 AM	54.13	290.84	255.65	260.80	36.88	41.12	42.25	301.09
7/3/88	8:00 AM	56.83	305.85	252.37	204.27	39.55	43.45	44.26	99.80
7/3/88	9:00 AM	56.76	305.64	212.31	279.21	36.13	39.91	15.98	92.45
7/3/88	10:00 AM	57.62	309.51	142.06	278.55	0.00	0.00	22.02	55.74
7/3/88	11:00 AM	58.04	311.48	237.96	277.16	32.62	39.93	45.26	121.76
7/3/88	12:00 PM	57.96	311.03	245.78	279.87	39.07	44.02	46.24	43.58
7/3/88	1:00 PM	57.44	308.74	244.94	263.59	38.88	44.11	46.08	32.38
7/3/88	2:00 PM	56.76	305.75	244.85	270.58	38.96	43.82	45.85	17.74
7/3/88	3:00 PM	56.27	303.33	243.77	281.26	38.82	43.97	45.76	17.00
7/3/88	4:00 PM	55.83	301.17	238.65	292.41	38.83	43.98	45.77	72.98
7/3/88	5:00 PM	56.01	302.05	235.70	296.42	39.09	43.93	45.71	51.65
7/3/88	6:00 PM	56.07	302.35	233.22	295.63	38.86	44.03	45.50	61.00
7/3/88	7:00 PM	55.80	301.01	226.49	289.52	38.95	44.05	45.67	21.47
7/3/88	8:00 PM	55.17	297.83	222.65	282.93	38.95	44.11	45.68	20.37
7/3/88	9:00 PM	54.59	294.52	200.50	276.72	32.42	36.78	37.95	20.30
7/3/88	10:00 PM	54.62	294.72	89.78	270.91	0.00	0.00	0.00	19.60
7/3/88	11:00 PM	54.36	293.05	190.71	252.46	34.84	35.26	36.28	18.75
7/4/88	12:00 AM	54.14	291.82	212.63	246.30	37.97	43.06	44.83	18.13
7/4/88	1:00 AM	53.53	287.72	209.36	237.02	38.13	43.01	45.15	17.25
7/4/88	2:00 AM	53.02	284.16	206.07	227.86	38.06	43.11	45.03	16.24

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
7/4/88	3:00 AM	52.34	279.39	201.00	218.13	38.02	43.12	45.03	15.81
7/4/88	4:00 AM	51.95	276.65	196.69	205.53	38.04	43.10	45.05	15.40
7/4/88	5:00 AM	51.48	273.34	191.97	194.96	37.93	43.05	45.16	15.52
7/4/88	6:00 AM	50.79	268.06	191.35	185.37	38.00	43.19	45.09	15.56
7/4/88	7:00 AM	50.56	266.02	190.98	176.41	37.85	43.03	45.10	15.62
7/4/88	8:00 AM	50.00	261.10	194.41	167.80	38.00	43.14	45.00	16.40
7/4/88	9:00 AM	49.63	258.06	199.83	162.19	37.98	43.05	45.00	18.26
7/4/88	10:00 AM	49.25	255.02	206.20	152.71	38.00	43.00	44.58	19.58
7/4/88	11:00 AM	48.83	251.27	211.75	150.93	38.00	43.08	44.92	20.71
7/4/88	12:00 PM	48.50	247.97	216.87	155.71	38.04	43.11	45.07	21.06
7/4/88	1:00 PM	48.16	244.56	215.94	160.63	38.02	43.11	44.51	21.32
7/4/88	2:00 PM	47.86	241.59	214.95	165.33	38.03	42.98	44.04	20.72
7/4/88	3:00 PM	47.52	238.16	213.07	167.03	37.89	43.14	43.94	19.83
7/4/88	4:00 PM	47.21	235.14	208.85	167.67	37.61	42.90	44.10	19.35
7/4/88	5:00 PM	46.86	231.42	208.29	166.88	37.87	43.05	44.10	19.42
7/4/88	6:00 PM	46.49	227.44	206.27	166.82	38.03	43.06	44.06	19.31
7/4/88	7:00 PM	46.25	224.75	203.68	163.74	38.09	42.92	44.00	18.45
7/4/88	8:00 PM	45.93	221.26	202.30	160.43	38.06	43.02	44.05	18.21
7/4/88	9:00 PM	45.49	216.36	201.12	158.27	37.89	42.88	44.00	18.10
7/4/88	10:00 PM	45.36	214.98	199.15	155.29	37.97	43.04	44.03	17.16
7/4/88	11:00 PM	45.08	211.86	197.05	152.09	37.94	42.08	44.00	16.72
7/5/88	12:00 AM	44.78	208.59	196.73	147.76	38.00	42.08	44.04	16.20
7/5/88	1:00 AM	44.49	205.36	191.55	143.54	38.03	42.02	44.08	15.70
7/5/88	2:00 AM	44.19	202.06	187.39	139.29	38.07	41.94	44.00	15.07
7/5/88	3:00 AM	43.90	198.85	185.58	134.86	38.02	42.08	44.01	14.71
7/5/88	4:00 AM	43.60	195.56	182.93	130.79	37.97	41.98	43.95	14.83
7/5/88	5:00 AM	43.27	191.98	182.77	62.84	38.08	42.03	44.08	15.66
7/5/88	6:00 AM	42.95	188.42	183.92	119.14	38.12	41.95	43.95	16.57
7/5/88	7:00 AM	42.67	185.00	190.23	111.41	37.90	42.18	44.05	18.13
7/5/88	8:00 AM	42.37	181.41	197.46	118.06	37.29	41.94	43.84	19.23
7/5/88	9:00 AM	42.22	179.69	160.97	116.22	34.18	40.13	3.67	19.81
7/5/88	10:00 AM	42.28	180.38	89.73	117.09	0.00	0.00	7.34	19.97
7/5/88	11:00 AM	42.05	177.66	200.22	121.15	33.36	37.72	42.92	19.30
7/5/88	12:00 PM	41.94	176.28	208.70	124.66	35.99	41.05	42.10	19.37
7/5/88	1:00 PM	41.70	173.38	208.66	126.29	36.09	41.10	42.24	19.42
7/5/88	2:00 PM	41.45	170.34	209.26	126.43	37.05	41.04	41.85	20.11
7/5/88	3:00 PM	41.00	165.19	210.65	126.48	36.93	41.05	41.99	21.85
7/5/88	4:00 PM	40.96	164.53	207.55	127.86	37.00	41.08	42.13	21.17

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
7/5/88	5:00 PM	40.71	161.82	207.41	129.56	36.97	40.99	42.02	22.20
7/5/88	6:00 PM	40.47	159.13	206.71	129.72	37.11	41.09	42.06	22.06
7/5/88	7:00 PM	40.06	154.50	204.34	129.70	37.03	40.95	42.22	21.46
7/5/88	8:00 PM	39.89	152.61	204.24	129.39	37.11	41.01	41.97	21.54
7/5/88	9:00 PM	39.82	151.76	124.41	128.14	12.32	13.65	14.06	22.05
7/5/88	10:00 PM	39.51	148.06	153.28	127.63	23.67	23.97	21.18	22.08
7/5/88	11:00 PM	39.30	145.63	203.87	128.26	37.03	39.98	42.02	19.79
7/6/88	12:00 AM	38.95	141.38	198.42	133.46	36.96	40.11	42.03	19.03
7/6/88	1:00 AM	38.44	135.27	191.16	138.29	37.02	40.13	42.25	17.80
7/6/88	2:00 AM	38.21	132.53	187.40	140.03	37.01	40.11	42.21	17.31
7/6/88	3:00 AM	37.86	128.49	183.75	139.57	37.08	40.07	42.23	16.19
7/6/88	4:00 AM	37.49	124.41	181.04	138.94	36.91	40.05	42.16	16.09
7/6/88	5:00 AM	37.08	119.89	179.31	135.47	36.97	40.12	42.10	17.07
7/6/88	6:00 AM	36.73	115.81	181.24	132.23	36.63	39.98	42.06	18.01
7/6/88	7:00 AM	36.36	111.38	186.12	128.55	36.39	40.03	41.84	18.69
7/6/88	8:00 AM	36.00	107.05	191.91	126.88	36.14	40.02	42.10	20.29
7/6/88	9:00 AM	35.77	104.51	160.02	125.94	33.12	38.60	6.90	21.35
7/6/88	10:00 AM	35.63	102.93	92.68	127.70	0.00	0.00	10.54	21.46
7/6/88	11:00 AM	35.44	100.87	173.46	130.92	33.29	36.71	42.11	21.40
7/6/88	12:00 PM	35.08	96.85	169.80	135.05	35.99	39.98	42.23	21.21
7/6/88	1:00 PM	34.74	93.40	169.52	139.37	35.99	40.12	42.25	21.00
7/6/88	2:00 PM	34.33	89.31	170.02	148.35	35.95	39.73	42.19	21.25
7/6/88	3:00 PM	33.95	85.53	167.90	156.73	36.01	39.95	42.09	21.64
7/6/88	4:00 PM	33.54	81.42	164.81	162.53	36.03	39.99	42.26	21.77
7/6/88	5:00 PM	33.12	77.17	163.33	167.85	36.05	39.92	42.29	22.62
7/6/88	6:00 PM	32.66	72.59	162.31	169.77	35.83	39.96	42.11	21.89
7/6/88	7:00 PM	32.32	69.15	160.78	172.48	35.71	39.91	42.29	21.57
7/6/88	8:00 PM	31.88	65.07	160.44	173.74	35.51	39.94	41.87	21.12
7/6/88	9:00 PM	31.42	61.38	100.63	175.14	8.74	9.91	12.52	21.62
7/6/88	10:00 PM	31.51	62.08	131.25	174.73	26.71	26.74	28.55	21.30
7/6/88	11:00 PM	31.07	58.54	156.43	171.15	35.09	39.86	42.25	20.05
7/7/88	12:00 AM	30.61	54.85	152.23	168.03	34.92	40.00	41.11	19.27
7/7/88	1:00 AM	30.08	50.70	148.64	165.79	34.84	40.04	41.08	17.44
7/7/88	2:00 AM	29.50	46.52	145.38	165.35	34.72	40.13	41.09	16.16
7/7/88	3:00 AM	29.02	43.11	140.92	163.59	34.38	40.08	41.00	15.88
7/7/88	4:00 AM	28.35	38.48	138.55	161.01	34.09	40.06	40.76	15.90
7/7/88	5:00 AM	27.81	35.09	137.04	157.90	33.80	40.11	41.33	16.72
7/7/88	6:00 AM	27.13	31.62	138.99	152.55	33.17	40.01	41.13	17.80

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	ISS Tunnel Elevation (ft)	ISS Tunnel Volume. (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
7/7/88	7:00 AM	26.48	27.88	144.92	149.41	32.46	39.98	40.92	19.11
7/7/88	8:00 AM	25.70	23.78	153.93	147.23	31.99	40.07	41.08	21.95
7/7/88	9:00 AM	24.88	20.52	148.18	145.04	26.37	33.35	37.58	38.44
7/7/88	10:00 AM	24.74	19.96	81.54	145.82	0.00	0.00	0.00	30.88
7/7/88	11:00 AM	25.03	21.13	83.30	147.14	0.00	0.00	0.00	22.35
7/7/88	12:00 PM	25.22	21.88	84.64	146.23	0.00	0.00	0.00	22.04
7/7/88	1:00 PM	25.38	22.51	84.95	141.78	0.00	0.00	0.00	22.35
7/7/88	2:00 PM	25.52	23.06	83.61	137.31	0.00	0.00	0.00	21.75
7/7/88	3:00 PM	25.65	23.60	81.63	134.98	0.00	0.00	0.00	22.35
7/7/88	4:00 PM	25.79	24.15	79.24	133.76	0.00	0.00	0.00	22.08
7/7/88	5:00 PM	25.93	24.74	77.87	133.43	0.00	0.00	0.00	23.08
7/7/88	6:00 PM	26.06	25.34	78.23	132.88	0.00	0.00	0.00	22.11
7/7/88	7:00 PM	26.18	26.09	75.80	131.90	0.00	0.00	0.00	21.46
7/7/88	8:00 PM	26.30	26.80	75.07	132.24	0.00	0.00	0.00	20.31
7/7/88	9:00 PM	26.43	27.59	74.26	131.81	0.00	0.00	0.00	21.75
7/7/88	10:00 PM	26.38	27.30	98.53	132.56	25.37	26.06	0.00	21.36
7/7/88	11:00 PM	26.04	25.33	109.47	133.12	33.31	38.88	0.00	20.67
7/8/88	12:00 AM	25.59	23.35	106.29	134.27	33.12	38.97	0.00	19.42
7/8/88	1:00 AM	25.11	21.43	103.78	137.73	32.78	38.93	0.00	18.47
7/8/88	2:00 AM	24.63	19.50	100.69	141.93	32.88	38.93	0.00	17.77
7/8/88	3:00 AM	24.03	17.13	98.32	143.47	32.55	38.91	0.00	17.51
7/8/88	4:00 AM	23.43	14.72	94.89	144.60	32.31	39.06	0.00	17.17
7/8/88	5:00 AM	22.73	12.19	94.44	143.89	31.75	39.05	0.00	18.01
7/8/88	6:00 AM	21.90	9.86	92.18	142.08	31.56	39.11	0.00	18.16
7/8/88	7:00 AM	20.91	7.81	92.34	138.81	30.96	38.91	0.00	19.10
7/8/88	8:00 AM	20.93	9.44	131.65	137.03	27.02	34.75	0.00	840.85
7/8/88	9:00 AM	33.41	80.64	231.29	132.14	0.00	0.00	0.00	777.98
7/8/88	10:00 AM	35.53	101.79	241.58	137.43	27.21	0.00	33.67	130.22
7/8/88	11:00 AM	35.65	103.16	234.96	141.73	36.69	27.24	41.20	48.15
7/8/88	12:00 PM	35.37	100.10	217.18	152.27	36.37	40.92	42.10	31.70
7/8/88	1:00 PM	35.05	96.54	204.27	168.66	36.08	40.98	42.05	26.96
7/8/88	2:00 PM	34.68	92.82	196.38	183.44	36.09	40.76	41.94	37.45
7/8/88	3:00 PM	34.50	90.97	236.82	193.26	35.99	41.02	41.89	112.64
7/8/88	4:00 PM	34.36	89.59	224.54	207.46	36.04	40.92	41.60	44.33
7/8/88	5:00 PM	34.05	86.47	199.86	212.55	36.02	40.87	41.72	29.74
7/8/88	6:00 PM	33.56	81.57	187.57	212.55	36.14	40.86	41.68	26.02
7/8/88	7:00 PM	33.32	79.15	181.38	212.28	35.85	40.77	41.61	24.82
7/8/88	8:00 PM	32.92	75.24	175.49	212.61	35.62	40.94	41.60	24.03

MMSD STORM EVENT SUMMARY

Chronological Summary by Hourly Increments

Date	Time	Tunnel Elevation (ft)	Tunnel Volume (MG)	JI Influent Flow (MGD)	Influent Flow (MGD)	ISS Pump #1 Flow (MGD)	ISS Pump #2 Flow (MGD)	ISS Pump #3 Flow (MGD)	Flow Into Tunnel (MGD)
7/8/88	9:00 PM	32.51	71.05	171.23	212.91	35.39	40.86	41.07	23.79
7/8/88	10:00 PM	32.07	66.78	167.63	212.07	35.27	40.73	41.64	24.10
7/8/88	11:00 PM	31.61	62.90	165.40	209.86	35.13	40.59	41.52	23.20
7/9/88	12:00 AM	31.17	59.40	162.10	206.56	35.09	39.75	41.62	21.70
7/9/88	1:00 AM	30.68	55.46	159.89	203.57	34.69	40.00	41.21	20.36
7/9/88	2:00 AM	30.19	51.54	154.59	199.05	34.69	39.77	40.17	19.34
7/9/88	3:00 AM	29.67	47.67	150.36	193.68	34.59	40.10	40.20	18.27
7/9/88	4:00 AM	29.16	44.11	147.98	188.28	34.31	40.01	40.22	18.47
7/9/88	5:00 AM	28.56	39.94	146.44	183.28	34.16	40.10	40.18	18.75
7/9/88	6:00 AM	27.94	35.82	144.63	177.14	33.51	40.05	40.15	18.39
7/9/88	7:00 AM	27.33	32.64	145.78	170.61	33.45	40.08	40.52	18.06
7/9/88	8:00 AM	26.64	28.84	149.86	166.49	32.94	40.08	41.15	19.05
7/9/88	9:00 AM	25.89	24.66	154.84	162.96	32.45	40.06	41.07	20.57
7/9/88	10:00 AM	25.14	21.55	160.23	161.24	32.12	39.97	41.11	22.55
7/9/88	11:00 AM	24.23	17.92	164.14	161.19	31.85	39.05	41.12	29.59
7/9/88	12:00 PM	23.27	14.15	164.75	162.03	31.04	38.94	40.19	24.03
7/9/88	1:00 PM	22.08	10.39	166.14	166.12	29.80	38.94	40.26	24.03
7/9/88	2:00 PM	20.49	7.05	166.50	169.35	29.78	38.00	40.24	24.03
7/9/88	3:00 PM	18.20	3.79	163.82	174.07	21.50	38.10	38.84	23.72
7/9/88	4:00 PM	16.78	2.57	103.68	177.36	0.00	9.48	9.55	23.14

MMSD STORM EVENT SUMMARY

Preparation date: 08/12/00

2000 Event number: 15

Weather Data

Start date / time of precipitation: 15:08 8/5/00

Stop date / time of precipitation: 20:13 8/5/00

Predicted precipitation quantity: .26 in.

Recorded precipitation quantity: 2.14 in.

ISS Information

Volume reserved for SS when

CS gates closed: 200 MG

Volume in tunnel when SS gates

reopened: N/A

Date / Time of CS gates closing: 18:52 8/5/00

Date / Time of SS gate closing: N/A

Date / Time of CS gate reopening: 21:51 - 23:00 8/6/00

Date / Time of SS gate reopening: N/A

Year to date CS gate closing events: 4

Year to date SS gate closing events: 1

Total (MG) pumped out for event: 481 MG

Plant Diversions

Jones Island

Date / Time-diversion started: none

Date / Time-diversion stopped: _____

Type of diversion: _____

Volume (MG) diverted: _____

South Shore

Date / Time-diversion started: none

Date / Time-diversion stopped: _____

Type of diversion: _____

Volume (MG) diverted: _____

Comments:

Minimum reserve for Separate Sewer flow: 200 MG to 100 MG @ 21:51 8/6/00
100 MG to 150 MG @ 06:47 8/8/00

South Shore flow was altered by major coarse screen failures. The coarse screen failures restricted flow through the 4 influent meters. The flow was routed flow through around screening, grit removal and meters. This rerouted flow is not included in this report. A review is being done to estimate rerouted flow and determine if it can be included in future records.

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
05-Aug-00	15:00	20.9415	7.881	105.420	87.6280	0.0	0.0	0.0	104.055
05-Aug-00	16:00	22.9232	12.762	211.552	89.7217	0.0	0.0	0.0	805.004
05-Aug-00	17:00	37.4948	124.444	238.035	92.8999	0.0	0.0	0.0	2082.23
05-Aug-00	18:00	46.7227	229.999	223.416	96.1499	24.4125	0.0	3.34162	1799.99
05-Aug-00	19:00	53.8561	290.122	251.771	115.947	37.5637	0.0	42.4278	501.656
05-Aug-00	20:00	59.1261	316.466	258.181	192.703	36.9967	0.0	43.9739	576.927
05-Aug-00	21:00	66.3197	338.666	266.930	236.147	36.7683	0.0	44.1288	422.531
05-Aug-00	22:00	72.2434	352.666	245.831	229.990	37.0544	0.0	44.1630	253.087
05-Aug-00	23:00	73.7187	356.567	258.755	214.234	37.1279	10.8281	44.3021	212.062
06-Aug-00	0:00	74.2968	358.124	275.438	193.515	36.5084	44.1262	44.1918	145.888
06-Aug-00	1:00	74.3697	358.316	271.031	164.481	35.4453	44.0317	44.1052	123.278
06-Aug-00	2:00	73.7213	356.590	263.817	240.615	35.1329	44.8717	44.0920	78.3478
06-Aug-00	3:00	72.9296	354.479	252.640	256.931	34.9177	44.6853	44.1997	88.8078
06-Aug-00	4:00	71.6146	351.262	247.789	230.243	35.0096	45.0738	44.3152	18.1937
06-Aug-00	5:00	69.8021	346.745	241.563	205.756	34.8232	44.9216	44.1656	14.2167
06-Aug-00	6:00	68.0468	342.901	233.518	199.762	34.9229	44.7719	44.2338	13.1257
06-Aug-00	7:00	66.2240	338.359	225.134	190.453	34.8495	44.9662	43.8401	12.9780
06-Aug-00	8:00	64.5468	333.641	223.277	149.831	35.0043	44.8979	44.2207	12.6677
06-Aug-00	9:00	62.8854	328.656	224.309	172.728	34.9177	44.9767	44.1866	12.8937
06-Aug-00	10:00	61.2682	323.711	230.007	195.722	35.0201	44.5566	43.9897	12.0623
06-Aug-00	11:00	59.8698	318.745	233.130	174.872	35.0122	42.9686	44.1419	12.1860
06-Aug-00	12:00	58.5026	313.529	234.478	193.306	34.9702	43.0972	44.1708	11.8175
06-Aug-00	13:00	57.3672	308.445	232.725	249.862	33.7811	42.9187	43.3519	12.1026
06-Aug-00	14:00	56.3203	303.601	229.861	246.916	33.1668	43.0578	43.1759	11.5959
06-Aug-00	15:00	55.3854	298.911	222.792	245.134	33.1064	42.9843	43.2101	11.5258
06-Aug-00	16:00	54.5234	294.141	221.618	241.706	33.0592	43.1024	42.6851	11.0941
06-Aug-00	17:00	53.6953	288.867	220.176	238.056	33.0093	43.0106	42.9949	10.9747
06-Aug-00	18:00	53.2682	285.679	217.371	234.712	33.0408	42.8216	43.0736	70.2836
06-Aug-00	19:00	52.7161	281.831	213.976	233.540	33.0828	42.6536	43.2206	33.5385
06-Aug-00	20:00	52.3958	279.771	208.789	229.534	33.0067	41.9265	43.0263	9.81543
06-Aug-00	21:00	51.6484	274.539	204.394	226.500	32.9778	41.9947	42.5801	9.56000
06-Aug-00	22:00	51.1797	271.143	204.686	223.522	33.0277	42.0708	42.1496	56.7920
06-Aug-00	23:00	50.7734	267.961	203.062	230.597	32.7862	41.0891	41.7112	18.0641
07-Aug-00	0:00	50.2642	263.383	198.893	230.761	31.9982	39.9162	41.1676	16.5727
07-Aug-00	1:00	49.7239	258.791	194.753	231.922	32.0512	40.0785	41.1337	14.7824
07-Aug-00	2:00	49.5234	257.266	167.397	228.850	32.4817	13.3455	41.4356	14.2942
07-Aug-00	3:00	49.0521	253.406	153.799	222.959	33.9359	0.0	42.2598	13.6555
07-Aug-00	4:00	48.6119	249.120	152.585	210.362	34.0541	0.0	42.1259	12.7828
07-Aug-00	5:00	48.4427	247.427	152.485	196.365	34.0803	0.0	42.1968	13.7715
07-Aug-00	6:00	48.1458	244.458	154.843	184.731	34.0514	0.0	42.1076	14.4962
07-Aug-00	7:00	47.8567	241.568	161.303	173.081	33.9596	0.0	42.2388	15.8819
07-Aug-00	8:00	47.5911	238.911	171.096	148.112	34.1276	0.0	42.1968	15.9811
07-Aug-00	9:00	47.4141	237.112	153.930	128.569	22.7719	0.0	28.1977	17.4478
07-Aug-00	10:00	47.3099	236.044	130.562	131.787	.002625	23.5174	0.0	16.7766
07-Aug-00	11:00	47.1432	234.393	213.266	134.940	25.7014	41.3043	37.9968	17.2520
07-Aug-00	12:00	46.7083	229.792	227.887	142.365	33.9674	41.7585	41.9369	16.9358
07-Aug-00	13:00	46.2214	224.435	229.811	151.803	34.1144	40.5536	42.2178	16.7751
07-Aug-00	14:00	45.8281	220.109	227.809	140.309	34.0987	40.9578	42.1049	15.9851
07-Aug-00	15:00	45.4479	215.927	227.362	153.240	34.1118	40.9184	42.1758	16.0802
07-Aug-00	16:00	44.9297	210.227	224.964	154.240	34.1669	40.8003	42.1049	15.7121
07-Aug-00	17:00	44.6328	206.961	223.137	153.050	34.1197	40.7924	42.0866	15.9268
07-Aug-00	18:00	44.2552	202.807	223.209	151.428	34.1433	41.1284	42.1679	15.5473
07-Aug-00	19:00	43.7969	197.763	218.879	149.137	34.0436	40.9814	42.1417	15.5428
07-Aug-00	20:00	43.4844	194.328	218.405	148.078	34.0356	41.0995	42.2073	16.1439
07-Aug-00	21:00	43.3594	192.953	109.438	147.619	2.84024	3.42037	3.52274	16.5558

MMSD STORM EVENT SUMMARY

07-Aug-00	22:00	43.2474	191.721	185.402	144.106	29.1821	30.4316	28.2607	16.2714
07-Aug-00	23:00	42.8523	187.219	214.574	147.937	35.9786	40.8383	42.3531	16.2648
08-Aug-00	0:00	42.4869	182.844	210.514	146.553	35.9966	41.4540	42.5302	16.6906
08-Aug-00	1:00	42.0651	177.781	206.436	145.387	35.9651	41.2676	42.5249	16.3838
08-Aug-00	2:00	41.7031	173.438	200.207	143.147	35.8863	41.0733	42.4829	18.4427
08-Aug-00	3:00	41.3203	168.844	194.637	141.600	35.9126	41.0576	42.5092	17.7410
08-Aug-00	4:00	40.9297	164.247	185.186	138.762	36.0228	41.0418	42.6483	15.9447
08-Aug-00	5:00	40.5547	160.102	183.801	136.043	35.9047	41.0103	42.3674	16.9407
08-Aug-00	6:00	40.1536	155.685	185.735	133.531	35.7761	40.5693	42.1128	17.7600
08-Aug-00	7:00	39.8255	151.906	191.032	130.606	35.8863	40.4853	42.0524	19.0803
08-Aug-00	8:00	39.4349	147.219	197.368	129.059	35.8837	40.2806	42.0131	17.8734
08-Aug-00	9:00	39.1614	143.938	185.101	128.178	29.6966	33.8126	34.8678	19.1870
08-Aug-00	10:00	39.0417	142.500	89.1157	128.175	0.0	0.0	0.0	18.8566
08-Aug-00	11:00	38.8073	139.695	191.061	129.600	29.0508	36.6712	37.6949	18.0700
08-Aug-00	12:00	38.5416	136.500	210.417	131.547	36.0596	40.0260	41.1311	26.4158
08-Aug-00	13:00	38.1692	132.039	209.170	133.387	35.9362	39.8816	41.1022	18.4575
08-Aug-00	14:00	37.7734	127.508	210.103	134.903	36.0937	39.9971	41.2991	19.1510
08-Aug-00	15:00	37.4271	123.698	209.679	136.212	36.0385	39.9419	41.1101	18.4036
08-Aug-00	16:00	37.0625	119.656	208.771	138.315	36.0727	39.8894	41.2203	17.3478
08-Aug-00	17:00	36.6927	115.313	207.915	139.150	36.0281	39.9262	41.3017	18.5781
08-Aug-00	18:00	36.3411	111.094	205.131	139.612	35.8233	39.8789	41.1468	16.8418
08-Aug-00	19:00	35.9427	106.393	202.183	139.394	35.7262	39.9341	41.0891	16.8309
08-Aug-00	20:00	35.5859	102.445	200.820	140.231	35.5084	39.9603	40.9158	17.5943
08-Aug-00	21:00	35.3724	100.102	86.4086	140.659	0.0	0.0	3.44925	18.1635
08-Aug-00	22:00	35.5104	101.615	81.1704	141.115	0.0	0.0	0.0	18.8879
08-Aug-00	23:00	35.5208	101.729	81.6756	141.147	34.4924	0.0	0.0	17.0965
09-Aug-00	0:00	35.2656	98.9218	156.488	139.756	34.6473	39.7451	37.7265	16.5238
09-Aug-00	1:00	34.8698	94.7057	153.272	139.922	33.1747	39.1256	40.3331	16.5859
09-Aug-00	2:00	34.4870	90.8697	163.039	140.959	32.9253	39.0494	40.1520	16.3998
09-Aug-00	3:00	33.9531	85.5312	182.260	141.922	32.9332	39.0521	40.0679	15.4931
09-Aug-00	4:00	33.7214	83.2135	184.036	142.206	34.4872	39.5298	41.1258	15.4238
09-Aug-00	5:00	33.2734	78.7343	183.631	137.647	34.5896	39.4721	40.7977	15.8918
09-Aug-00	6:00	32.8672	74.6719	185.877	130.565	34.3585	39.4406	41.0234	16.3999
09-Aug-00	7:00	39.6470	149.207	192.153	123.303	33.8651	39.4957	41.1337	17.3029
09-Aug-00	8:00	65.5682	334.429	200.235	112.819	33.1458	39.4826	41.0103	17.3473
09-Aug-00	9:00	44.5559	157.681	180.464	104.372	24.5831	29.6415	30.7545	18.5451
09-Aug-00	10:00	31.4922	61.9375	98.1365	105.916	0.0	0.0	0.0	18.3689
09-Aug-00	11:00	31.6146	62.9167	100.256	106.891	0.0	0.0	0.0	18.0165
09-Aug-00	12:00	32.9272	77.2641	101.021	107.934	0.0	0.0	0.0	17.0709
09-Aug-00	13:00	31.7370	63.8958	101.392	110.006	0.0	0.0	0.0	19.5228
09-Aug-00	14:00	31.7995	64.3958	101.853	111.772	0.0	0.0	0.0	18.5186
09-Aug-00	15:00	31.8568	64.8541	101.479	113.097	0.0	0.0	0.0	17.9913
09-Aug-00	16:00	31.9089	65.2708	99.9829	113.506	0.0	0.0	0.0	16.9763
09-Aug-00	17:00	31.9818	65.8541	99.6222	115.131	0.0	0.0	0.0	19.5575
09-Aug-00	18:00	32.0390	66.3906	96.7563	116.384	0.0	0.0	0.0	19.7187
09-Aug-00	19:00	32.0911	66.9115	96.2069	116.597	0.0	0.0	0.0	17.7646
09-Aug-00	20:00	32.1614	67.6146	92.7446	117.162	0.0	0.0	0.0	17.9443
09-Aug-00	21:00	32.2213	68.2135	90.5076	117.472	0.0	0.0	0.0	18.7921
09-Aug-00	22:00	32.0729	66.7500	171.300	118.794	27.5493	28.4340	26.1607	18.7687
09-Aug-00	23:00	31.5495	62.3958	198.537	118.603	33.0749	38.2829	39.0284	17.7453
10-Aug-00	0:00	31.2448	59.9583	196.361	118.481	34.2720	38.5061	39.7031	17.6833
10-Aug-00	1:00	30.7266	55.8125	191.467	117.806	33.8493	38.9707	40.1939	17.1449
10-Aug-00	2:00	30.2656	52.1302	185.707	117.794	33.2298	38.8552	40.2779	16.3669
10-Aug-00	3:00	29.7344	48.1406	179.583	119.900	32.6760	38.9523	40.2018	16.0288
10-Aug-00	4:00	29.2656	44.8594	148.461	122.247	32.4318	38.5874	12.7759	15.3288
10-Aug-00	5:00	28.9193	42.4349	134.224	123.622	32.2638	38.8053	0.0	16.2746
10-Aug-00	6:00	28.5938	40.1562	136.756	123.650	31.9567	38.9182	0.0	16.9345
10-Aug-00	7:00	28.2630	37.8411	143.698	119.200	31.7415	38.8315	0.0	17.2574
10-Aug-00	8:00	27.8125	35.0729	179.627	142.325	31.2611	39.0757	26.2920	18.1131



MMSD STORM EVENT SUMMARY

10-Aug-00	9:00	27.2005	31.9948	173.555	124.647	23.2024	29.0377	29.4236	18.9233
10-Aug-00	10:00	27.0938	31.4661	94.6352	116.378	0.0	0.0	0.0	19.3702
10-Aug-00	11:00	27.1953	31.9766	96.1652	111.819	0.0	0.0	0.0	20.4420
10-Aug-00	12:00	27.3177	32.5885	98.9581	108.231	0.0	0.0	0.0	21.9088
10-Aug-00	13:00	27.4167	33.0833	99.1652	109.700	0.0	0.0	0.0	21.1049
10-Aug-00	14:00	27.5234	33.6172	98.4633	110.822	0.0	0.0	0.0	18.4601
10-Aug-00	15:00	27.6146	34.0729	97.5948	111.191	0.0	0.0	0.0	17.8910
10-Aug-00	16:00	27.6953	34.4765	95.8019	111.975	0.0	0.0	0.0	17.5051
10-Aug-00	17:00	27.7708	34.8541	94.1261	113.253	0.0	0.0	0.0	19.4705
10-Aug-00	18:00	27.8828	35.4140	91.4360	113.215	0.0	0.0	0.0	18.9536
10-Aug-00	19:00	27.9557	35.7786	93.1014	112.669	0.0	0.0	0.0	16.9514
10-Aug-00	20:00	28.0313	36.2187	92.0961	112.253	0.0	0.0	0.0	17.1563
10-Aug-00	21:00	28.1068	36.7474	89.1326	112.669	0.0	0.0	0.0	20.2406
10-Aug-00	22:00	28.0313	36.3229	155.158	113.397	21.2809	25.6068	19.3357	18.5948
10-Aug-00	23:00	27.3984	32.9765	197.794	112.828	32.0381	39.4537	40.4538	17.0454
11-Aug-00	0:00	26.7786	29.6563	194.171	113.272	31.4790	39.6217	40.7189	16.6468
11-Aug-00	1:00	25.9089	24.8333	158.271	113.134	31.2191	29.6493	30.3423	16.1258
11-Aug-00	2:00	25.7891	24.1562	72.5297	111.631	31.7808	0.0	0.0	15.5980
11-Aug-00	3:00	25.5911	23.3646	66.9295	109.925	31.9909	0.0	0.0	15.8215
11-Aug-00	4:00	25.4271	22.7083	63.8176	110.097	31.8228	0.0	0.0	14.8726
11-Aug-00	5:00	25.1484	21.5937	86.4277	112.559	30.8149	25.7014	0.0	14.7101
11-Aug-00	6:00	24.6641	19.6562	101.430	115.028	30.4054	37.7999	0.0	15.5973
11-Aug-00	7:00	24.1224	17.4896	109.992	115.303	29.9302	37.6136	0.0	17.6745
11-Aug-00	8:00	23.5078	15.0313	119.073	115.728	29.6284	37.9443	0.0	17.6141
11-Aug-00	9:00	22.9062	12.7630	123.663	116.256	27.2632	34.8915	0.0	18.2714
11-Aug-00	10:00	22.5781	11.7344	92.6821	117.237	0.0	0.0	0.0	19.3726
11-Aug-00	11:00	22.8385	12.5156	95.2576	122.037	0.0	0.0	0.0	18.8630
11-Aug-00	12:00	23.0182	13.0885	96.7810	121.831	0.0	0.0	0.0	18.4354
11-Aug-00	13:00	23.1875	13.7500	96.5206	120.109	0.0	0.0	0.0	17.2484
11-Aug-00	14:00	23.3411	14.3646	95.5571	117.956	0.0	0.0	0.0	17.5780
11-Aug-00	15:00	23.4818	14.9271	94.6951	116.078	0.0	0.0	0.0	17.0128
11-Aug-00	16:00	23.5937	15.3750	92.1092	113.772	0.0	0.0	0.0	17.6875
11-Aug-00	17:00	23.7448	15.9792	90.8552	112.819	0.0	0.0	0.0	18.1346
11-Aug-00	18:00	23.8854	16.5417	89.0155	112.150	0.0	0.0	0.0	17.0239
11-Aug-00	19:00	23.9870	16.9479	86.9750	111.278	0.0	0.0	0.0	16.3332
11-Aug-00	20:00	24.1250	17.5000	85.7341	110.006	0.0	0.0	0.0	17.4630
11-Aug-00	21:00	24.2630	18.0521	83.8644	110.041	0.0	0.0	0.0	17.3353
11-Aug-00	22:00	24.2682	18.0729	106.228	109.806	17.9812	25.2105	0.0	18.4065
11-Aug-00	23:00	23.7578	16.0312	118.536	109.078	25.5071	37.9207	0.0	15.7897
12-Aug-00	0:00	23.1875	13.7500	115.985	109.181	25.4336	37.8105	0.0	14.9282
12-Aug-00	1:00	22.5182	11.5547	113.231	112.353	24.6697	37.6241	0.0	14.2879
12-Aug-00	2:00	21.7734	9.57812	108.414	114.903	24.0843	38.1281	0.0	14.1310
12-Aug-00	3:00	20.9297	7.85937	103.245	116.012	23.4334	37.9706	0.0	14.3130
12-Aug-00	4:00	19.9297	6.04166	99.5097	116.984	15.1725	37.8525	0.0	13.7814
12-Aug-00	5:00	19.2240	5.20833	97.6481	115.922	0.0	37.5427	0.0	14.6558
12-Aug-00	6:00	18.1458	3.37370	95.0002	113.034	0.0	37.9469	0.0	14.3462
12-Aug-00	7:00	17.2943	2.64714	100.240	107.444	0.0	38.0782	0.0	14.2740
12-Aug-00	8:00	15.0833	1.70616	91.2827	101.162	0.0	25.3995	0.0	14.9955
12-Aug-00	9:00	15.7188	1.90972	72.9764	94.6905	0.0	0.0	0.0	16.4508

MMSD STORM EVENT SUMMARY

Preparation date: 9/20/00

Event number: 23

Weather Data

Start date / time of precipitation: 9/11/00 @ 10:51
Stop date / time of precipitation: 9/14/00 @ 08:28
Predicted precipitation quantity: 2.8 inches over the four day period
Recorded precipitation quantity: 3.625 over the four day period

ISS Information

Volume reserved for SS when CS gates closed: 150 mg on 9/11/00 and 60 mg on 9/14/00
Date / Time of CS gates closing: 9/11/00 @ 20:52 and 9/14/00 @ 07:17
Date / Time of CS gate reopening: 9/12/00 between 19:13 - 23:55 and 9/14/2000 between 11:56 - 01:06 9/15/00
Year to date CS gate closing events: 5

Date / Time of SS gate closing: 9/12/00 @ 06:14 (isolated gate closure only)
Date / Time of SS gate reopening: 9/12/00 @ 07:50
Volume in tunnel when SS gates reopened: 403
Year to date SS gate closing events: 2

Total (MG) pumped out for event: 825 MG

Plant Flow During Event

<u>Date</u>	<u>JI MGD</u>	<u>SS MGD</u>	<u>Total Plant Flow MGD</u>
9/11/00	210	161	370
9/12/00	312	222	534
9/13/00	229	210	438
9/14/00	261	205	465
9/15/00	213	213	426
9/16/00	179	162	340
9/17/00	169	162	330
9/18/00	145	140	285
9/19/00	116	114	230
Total Plant Flow for Event	1,832	1,587	3,419

MMSD STORM EVENT SUMMARY

Plant Diversions

	<u>Jones Island #1</u>	<u>Jones Island #2</u>	<u>Jones Island #3</u>
Date / Time-diversion started:	7:45 PM 9/11/00	4:45 AM 9/14/00	8:15 AM 9/14/00
Date / Time-diversion stopped:	4:05 PM 9/12/00	5:15 AM 9/14/00	9:15 AM 9/14/00
Type of diversion:	ISS	ISS	ISS
Volume (MG) diverted:	35 MG total		

South Shore

Date / Time-diversion started: None

Comments:

Jl diversion initiated to maximize flow through plant with plant at maximum hydraulic capacity. ISS diversion was used per designed operational plan for best water quality.

Daily total flows at plants are from plant totalizers. Hourly plant flow readings are from values recorded at 13th and College. The hourly readings on this report do not include SS flow that went through the coarse screen trash rack and around coarse screens and grit chamber flow meters.

Mechanical and control issues limited tunnel pump operation at end of event. Corrective actions were initiated.

MODCOMP computer problems caused several (5) false TUNNEL STATUS FULL alarms from 6:14 to 7:46 on 9/12/00. The tunnel volume peaked at 404 MG. This caused some short term separate sewer gate closures at the following sites NS12, DC0507, DC0405, DC0402, DC0502, DC0508, NS02 & DC0409. No separate sewage bypass alarms were recorded as a result of these gate movements.

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
9/11/00	10:00	16.6068	2.30339	90.5375	111.100	0.0	0.0	0.0	68.7990
9/11/00	11:00	21.2266	20.5742	208.586	112.581	0.0	0.0	0.0	1939.98
9/11/00	12:00	37.5130	124.662	233.386	115.478	0.0	0.0	0.0	426.428
9/11/00	13:00	38.6302	137.563	259.429	120.525	27.7751	6.78037	29.5102	297.242
9/11/00	14:00	39.3646	146.375	287.765	134.465	32.8571	39.2069	41.1678	208.310
9/11/00	15:00	39.5547	148.656	287.622	157.165	33.6629	39.0731	41.6246	92.3622
9/11/00	16:00	39.4114	146.938	296.232	179.631	34.4767	39.6794	42.6431	120.052
9/11/00	17:00	39.6120	149.344	304.250	201.215	34.3087	39.6978	42.4304	182.687
9/11/00	18:00	39.7656	151.188	282.115	207.912	34.5659	39.5901	42.6194	86.0014
9/11/00	19:00	40.3437	157.740	316.108	208.206	34.4741	39.5771	42.1102	469.063
9/11/00	20:00	43.8281	196.755	337.669	224.747	33.3663	39.4222	42.1680	1516.61
9/11/00	21:00	49.3047	255.229	337.351	228.997	33.0172	39.4222	42.0918	453.119
9/11/00	22:00	52.6094	281.166	337.369	233.550	35.0017	40.7898	42.5906	569.402
9/11/00	23:00	57.3802	307.823	348.997	226.706	34.8573	41.4592	43.1077	564.649
9/12/00	00:00	65.2109	335.021	352.758	229.122	36.5242	43.7036	44.5147	553.907
9/12/00	01:00	74.7240	358.696	352.004	225.837	37.5348	45.2234	46.3574	564.283
9/12/00	02:00	85.0911	379.172	352.311	225.418	39.4747	46.8090	48.6937	493.763
9/12/00	03:00	104.386	393.775	348.890	227.906	41.9684	49.9458	51.4369	301.298
9/12/00	04:00	115.337	398.447	336.371	228.528	43.6983	52.1062	52.9383	287.376
9/12/00	05:00	121.971	400.995	339.780	228.637	45.2812	53.2848	54.9202	151.241
9/12/00	06:00	125.542	402.318	341.945	227.498	43.9700	53.0813	55.3061	241.834
9/12/00	07:00	99.6669	329.605	339.721	185.945	31.2222	37.4420	40.3858	163.619
9/12/00	08:00	125.109	402.148	342.047	159.804	44.4694	52.7968	55.1077	112.636
9/12/00	09:00	119.530	400.133	340.508	132.397	44.3808	52.7440	54.5369	103.161
9/12/00	10:00	113.627	397.705	334.472	171.459	43.6878	51.3817	53.1798	80.0470
9/12/00	11:00	107.121	394.949	327.394	209.397	42.4803	50.8934	51.5654	71.0560
9/12/00	12:00	100.246	392.123	321.386	208.253	41.4225	49.0848	49.8618	57.0644
9/12/00	13:00	92.5033	387.895	315.734	205.100	40.2307	48.2684	49.2870	48.6609
9/12/00	14:00	86.7734	382.612	309.883	216.000	39.3487	47.8432	48.8879	43.1725
9/12/00	15:00	83.5546	377.953	300.098	223.093	37.9916	46.0083	47.0846	34.7105
9/12/00	16:00	80.9453	372.890	293.944	223.515	37.8420	46.0425	47.1423	60.8973
9/12/00	17:00	79.7786	370.557	287.755	220.422	36.4560	46.0451	46.2866	262.836
9/12/00	18:00	79.6093	370.219	283.309	221.275	35.7971	45.5201	46.1527	97.8528
9/12/00	19:00	78.6223	367.799	278.270	222.581	35.2301	43.9398	46.1448	45.3086
9/12/00	20:00	77.6822	365.661	275.101	224.572	34.7969	43.9556	46.1212	106.852
9/12/00	21:00	78.2994	367.101	156.094	226.831	2.88487	3.70125	3.85613	26.9692
9/12/00	22:00	78.2474	366.815	226.915	223.778	26.3077	29.4131	30.6311	25.5089
9/12/00	23:00	77.0572	364.268	261.355	224.059	34.9781	44.0474	46.1475	111.008
9/13/00	00:00	77.7187	365.633	259.555	227.031	37.8236	45.3757	47.3497	76.7218
9/13/00	01:00	76.0807	362.158	250.716	227.275	38.0808	46.0372	47.1738	21.7415
9/13/00	02:00	74.4088	358.403	243.913	227.990	38.0152	46.0503	47.2053	21.3924
9/13/00	03:00	72.5338	353.454	241.405	226.843	37.9601	46.0320	47.2604	21.2860
9/13/00	04:00	70.6484	348.877	238.292	225.578	37.9023	45.7484	47.1213	20.9755

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
9/13/00	05:00	68.7187	344.419	234.369	225.878	37.9785	45.6277	47.0373	20.9489
9/13/00	06:00	66.9973	340.213	234.165	224.953	37.9732	44.7798	47.1213	20.2967
9/13/00	07:00	65.3307	335.971	239.776	220.722	38.0204	44.1236	45.5647	22.9644
9/13/00	08:00	63.7578	331.273	249.876	217.872	37.9496	44.1236	45.1473	27.5451
9/13/00	09:00	62.2448	326.734	224.661	216.291	25.6410	33.1038	35.4637	23.0234
9/13/00	10:00	62.0495	326.148	131.206	213.522	3.03187	4.12649	0.0	23.8206
9/13/00	11:00	61.2422	323.659	246.784	211.606	37.1489	43.2179	41.1941	21.4873
9/13/00	12:00	60.2474	319.992	202.134	208.137	37.0203	42.9292	0.0	20.6364
9/13/00	13:00	59.5052	317.516	228.910	204.915	36.9809	43.1051	26.2369	20.4746
9/13/00	14:00	58.3776	312.872	247.206	202.043	36.4690	42.9974	45.1263	19.3972
9/13/00	15:00	57.2239	307.872	243.218	198.797	35.1618	41.8503	43.8584	20.8299
9/13/00	16:00	56.3047	303.523	240.090	207.709	34.1223	40.7426	43.2809	20.4015
9/13/00	17:00	55.4661	299.331	239.398	208.922	34.1013	41.0182	43.2206	21.4620
9/13/00	18:00	54.6692	295.015	236.914	202.265	34.1119	40.6874	43.1759	22.8745
9/13/00	19:00	53.9219	290.406	234.696	196.256	34.0698	41.0129	43.0814	22.5961
9/13/00	20:00	53.1745	285.221	232.990	190.422	33.9149	40.8764	43.1786	23.1187
9/13/00	21:00	52.9948	283.885	119.509	185.918	0.0	0.0	2.48850	22.4911
9/13/00	22:00	52.9245	283.471	183.885	180.744	23.0921	24.1815	21.5512	20.7110
9/13/00	23:00	52.2708	278.896	230.424	176.865	33.9937	40.9867	43.1549	20.1166
9/14/00	00:00	51.6875	274.812	224.621	172.690	34.2903	41.1074	43.0552	18.7610
9/14/00	01:00	51.0807	270.492	218.925	169.743	34.0593	40.8292	43.1024	17.7952
9/14/00	02:00	50.5781	266.203	233.803	156.537	34.1328	41.0864	42.9843	50.2664
9/14/00	03:00	50.2266	263.039	263.876	156.640	33.9701	41.0366	43.0919	58.2583
9/14/00	04:00	50.4245	264.820	306.685	157.206	33.9149	41.0654	43.0735	292.303
9/14/00	05:00	51.5651	273.935	309.459	157.375	34.3586	41.1363	42.5853	345.944
9/14/00	06:00	55.1328	296.766	304.607	157.734	35.9178	41.0024	43.2547	615.796
9/14/00	07:00	65.8437	336.633	306.615	161.731	36.0188	41.0530	43.1377	434.723
9/14/00	08:00	67.1926	340.630	303.295	179.075	35.9861	40.9263	43.0998	48.9831
9/14/00	09:00	66.3671	338.734	253.784	200.993	20.9396	10.2506	32.3583	41.4839
9/14/00	10:00	66.5599	338.726	219.528	225.644	12.0251	23.9531	3.59625	29.3167
9/14/00	11:00	65.4765	336.419	264.386	229.962	35.9887	41.7637	44.0054	26.5520
9/14/00	12:00	64.2213	332.664	250.607	235.119	35.9834	41.9133	44.1105	92.2968
9/14/00	13:00	63.8281	331.484	243.168	236.990	35.9835	42.1154	44.1944	138.024
9/14/00	14:00	63.3203	330.016	238.496	227.600	35.9913	42.9607	44.0842	101.318
9/14/00	15:00	63.1823	329.547	255.544	240.534	36.0202	42.7034	44.6985	183.968
9/14/00	16:00	62.9245	328.773	269.961	237.156	35.9939	43.1287	45.2392	99.7393
9/14/00	17:00	62.7057	328.117	267.398	232.022	36.0438	43.1523	45.1315	80.8376
9/14/00	18:00	62.1145	326.086	263.535	234.000	35.9808	43.0027	45.1447	79.6929
9/14/00	19:00	61.6276	324.883	259.134	233.047	36.1410	42.9974	45.3075	91.8663
9/14/00	20:00	61.0182	322.971	256.399	230.962	36.1174	42.9686	45.2050	101.220
9/14/00	21:00	62.5312	327.344	153.565	229.119	5.97974	7.15311	11.3347	100.099
9/14/00	22:00	63.5442	330.632	209.564	227.103	27.0611	28.8435	26.3497	194.609
9/14/00	23:00	66.1119	337.901	243.750	227.119	35.9939	42.8898	45.2392	151.221
9/15/00	00:00	65.9557	337.711	242.765	225.490	35.9309	42.7218	45.2287	74.0033
9/15/00	01:00	65.2135	335.640	239.747	227.328	36.0149	42.9161	45.0922	57.5032
9/15/00	02:00	63.9583	332.000	230.044	227.297	35.8706	43.0762	45.0056	49.9312
9/15/00	03:00	62.7969	328.391	222.678	225.191	35.9703	42.9607	45.1211	43.2739
9/15/00	04:00	61.5442	324.617	219.958	224.606	35.9887	42.9869	45.2077	35.7347

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
9/15/00	05:00	60.3073	320.276	217.018	224.416	35.9729	42.8190	44.6801	30.9374
9/15/00	06:00	59.1067	316.281	216.802	223.934	36.0596	42.9607	44.1892	27.3217
9/15/00	07:00	58.0729	311.466	223.126	219.312	36.0858	42.8504	44.0343	28.5221
9/15/00	08:00	57.0599	307.169	230.333	221.441	36.1173	42.9292	44.1603	30.0858
9/15/00	09:00	56.3047	303.523	201.861	214.743	25.2525	32.2166	33.1668	28.9102
9/15/00	10:00	56.1667	302.742	110.387	214.922	0.0	0.0	0.0	30.7438
9/15/00	11:00	56.0755	302.372	207.729	213.650	33.2219	35.8942	32.6681	27.8838
9/15/00	12:00	55.2109	298.023	229.192	212.922	36.0884	43.1287	43.0946	26.1386
9/15/00	13:00	54.4870	293.922	227.675	212.443	36.0832	42.9502	43.0552	26.8196
9/15/00	14:00	53.7265	289.086	225.430	210.906	36.1331	41.2991	42.9948	25.2566
9/15/00	15:00	53.0573	284.401	226.528	212.315	35.9729	40.9998	42.9371	20.1543
9/15/00	16:00	52.4062	279.844	228.436	214.374	35.0938	40.9957	43.0318	20.4357
9/15/00	17:00	51.7528	275.270	225.795	209.686	34.8876	40.9901	43.0805	21.0118
9/15/00	18:00	51.2005	271.372	226.737	205.218	35.0778	41.0943	43.0158	20.8796
9/15/00	19:00	50.6510	266.859	228.426	201.337	35.0673	41.0392	43.1470	23.0279
9/15/00	20:00	50.1172	262.081	228.074	198.462	35.0017	40.8135	42.9974	19.3239
9/15/00	21:00	49.8359	259.687	108.205	194.581	0.0	0.0	0.0	20.0170
9/15/00	22:00	49.7109	258.708	160.609	191.028	25.7880	0.0	28.2975	19.5047
9/15/00	23:00	49.5911	257.729	179.028	186.231	34.0016	0.0	42.1758	18.2252
9/16/00	00:00	49.4635	256.750	175.320	182.462	34.0829	0.0	41.7269	18.6929
9/16/00	01:00	49.0104	252.979	173.840	178.293	34.0514	0.0	42.2467	17.9836
9/16/00	02:00	48.6901	249.901	169.630	173.609	34.1617	0.0	42.2309	15.9699
9/16/00	03:00	48.4323	247.323	165.784	168.759	34.0935	0.0	42.2099	16.0695
9/16/00	04:00	48.1692	244.693	161.973	162.590	34.1039	0.0	42.2493	15.6590
9/16/00	05:00	47.8906	241.906	159.406	156.009	34.0226	0.0	42.2178	15.4851
9/16/00	06:00	47.6458	239.424	159.684	149.331	34.1486	0.018375	42.2152	14.9651
9/16/00	07:00	47.3437	236.438	160.280	137.409	34.0436	0.0	42.2362	15.4208
9/16/00	08:00	47.0156	233.141	164.648	137.225	34.1459	0.0	42.2467	17.2837
9/16/00	09:00	46.7396	230.096	188.968	135.009	34.0462	18.5929	42.1443	19.2181
9/16/00	10:00	46.3464	225.810	183.743	132.894	33.7049	40.1572	10.5840	22.4408
9/16/00	11:00	46.2031	224.234	187.242	136.144	33.9648	40.1441	24.5070	23.0193
9/16/00	12:00	45.7630	219.393	190.107	139.628	33.9911	39.9866	42.1155	21.2376
9/16/00	13:00	45.3541	214.896	188.949	144.109	34.0488	39.9262	42.1784	21.0715
9/16/00	14:00	44.9817	210.799	187.808	152.609	33.9700	40.1310	42.1627	20.7957
9/16/00	15:00	44.5625	206.187	186.119	159.644	33.9622	40.1310	41.9921	21.0842
9/16/00	16:00	44.1640	201.805	183.023	168.703	33.8625	40.1152	42.0971	22.2244
9/16/00	17:00	43.8177	197.995	182.997	173.831	33.9937	40.0365	42.0183	21.8976
9/16/00	18:00	43.4349	193.784	182.291	176.897	34.0593	40.0890	42.1863	21.1141
9/16/00	19:00	43.0599	189.641	181.523	180.062	33.9701	40.0784	42.1732	21.2394
9/16/00	20:00	42.6979	185.375	178.578	183.593	33.8283	40.0076	42.0577	21.0447
9/16/00	21:00	42.3047	180.656	176.992	182.819	33.8152	39.9944	42.0760	21.4160
9/16/00	22:00	41.9792	176.750	177.086	182.400	33.8598	39.9892	41.9474	21.5544
9/16/00	23:00	41.6041	172.250	176.380	181.815	33.9386	40.0942	42.2493	20.9722
9/17/00	00:00	41.2344	167.813	173.515	179.862	33.6315	39.9813	42.1627	19.9227
9/17/00	01:00	40.8802	163.693	167.726	178.759	32.8019	40.0627	41.2781	18.8946
9/17/00	02:00	40.5052	159.557	163.138	175.859	32.9647	40.0916	41.1310	17.9779
9/17/00	03:00	40.1380	155.516	160.323	173.731	33.0723	40.0995	41.0891	18.0354
9/17/00	04:00	39.7682	151.219	156.991	169.659	32.9253	40.0653	41.0628	18.1323

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
9/17/00	05:00	39.4245	147.094	154.901	166.003	32.9699	40.0995	41.0890	18.2223
9/17/00	06:00	39.0521	142.625	153.824	162.362	32.9621	39.9131	41.2623	18.0511
9/17/00	07:00	38.7057	138.469	155.369	159.394	32.9306	40.0181	41.2702	17.6206
9/17/00	08:00	38.3672	134.406	157.454	155.806	32.9411	39.8606	40.9210	18.9329
9/17/00	09:00	38.0651	130.781	133.664	153.675	19.2832	23.3389	26.8432	21.1810
9/17/00	10:00	37.9739	129.763	97.1500	151.937	8.15849	0.0	6.78300	23.5485
9/17/00	11:00	37.7917	127.708	177.321	149.878	32.0355	39.9341	41.2570	24.2821
9/17/00	12:00	37.4844	124.328	182.930	147.528	31.9804	39.8921	40.8974	23.6768
9/17/00	13:00	37.1510	120.659	181.737	147.972	32.2008	39.9629	41.1547	23.1012
9/17/00	14:00	36.7890	116.469	179.065	152.459	32.2297	39.9078	41.1153	22.2018
9/17/00	15:00	36.4375	112.250	176.255	155.754	32.0870	39.9133	41.1704	26.3416
9/17/00	16:00	36.0964	108.164	175.318	158.453	32.0591	40.0128	40.4696	21.9697
9/17/00	17:00	35.7838	104.622	174.180	161.097	32.0144	40.0076	40.0496	21.5101
9/17/00	18:00	35.4323	100.755	174.291	162.603	32.1404	39.9446	40.2307	21.9634
9/17/00	19:00	35.1016	97.1223	173.010	162.681	32.1929	39.9472	40.1441	22.4011
9/17/00	20:00	34.7396	93.3958	171.098	163.453	32.1903	39.8974	40.0758	21.7517
9/17/00	21:00	34.3880	89.8802	173.105	163.344	32.1247	39.8317	40.1913	22.8521
9/17/00	22:00	33.9922	85.9219	173.956	164.609	32.1693	39.5351	40.2097	22.6970
9/17/00	23:00	33.6380	82.3802	172.340	164.669	32.1457	39.9997	40.0890	22.1455
9/18/00	00:00	33.2187	78.1875	167.443	163.484	32.0302	39.4327	39.8921	19.5120
9/18/00	01:00	32.8437	74.4375	159.389	163.078	32.1273	39.9734	40.0391	17.8178
9/18/00	02:00	32.4505	70.5051	154.383	161.497	32.0801	39.9367	40.2491	17.5134
9/18/00	03:00	32.0052	66.1510	151.553	159.822	31.9252	40.0259	40.2675	17.3780
9/18/00	04:00	31.5911	62.7292	149.809	156.722	32.0145	39.9419	40.0076	17.2800
9/18/00	05:00	31.1250	59.0000	147.660	152.931	31.7835	39.9472	40.2491	18.3647
9/18/00	06:00	30.6927	55.5417	151.068	149.984	31.4134	39.8002	40.2386	18.9860
9/18/00	07:00	30.1953	51.5677	158.119	145.775	31.4370	39.9971	40.1966	20.5398
9/18/00	08:00	29.7526	48.2682	170.281	142.722	31.0957	39.9052	40.2281	23.5836
9/18/00	09:00	29.2734	44.9141	161.582	141.694	23.0422	26.6227	31.8491	23.0039
9/18/00	10:00	29.2240	44.5677	104.039	142.237	0.0	0.0	3.35475	35.2463
9/18/00	11:00	29.1927	44.3489	142.669	142.875	0.0	0.0	40.2018	23.7616
9/18/00	12:00	29.0573	43.4010	142.560	142.265	0.0	0.0	40.1021	22.8774
9/18/00	13:00	28.8932	42.2526	142.005	139.247	0.0	0.0	40.1336	22.7582
9/18/00	14:00	28.7552	41.2864	140.128	136.534	0.0	0.0	39.1623	22.4759
9/18/00	15:00	28.6224	40.3567	138.966	133.394	0.0	0.0	39.0311	22.5280
9/18/00	16:00	28.4661	39.2630	138.725	130.031	0.0	0.0	39.0888	22.5134
9/18/00	17:00	28.3229	38.2604	137.737	128.059	0.0	0.0	39.1859	22.9673
9/18/00	18:00	28.1823	37.2760	136.311	126.715	0.0	0.0	39.1728	23.3880
9/18/00	19:00	28.0182	36.1484	134.789	121.840	0.0	0.0	38.9235	22.9392
9/18/00	20:00	27.8750	35.3750	135.984	121.856	0.0	0.0	39.1938	22.9228
9/18/00	21:00	27.7474	34.7370	99.8279	122.881	0.0	0.0	3.27075	23.4564
9/18/00	22:00	27.8516	35.2578	122.217	124.025	2.96100	-2.0947	29.4157	23.4182
9/18/00	23:00	27.6979	34.4896	131.345	124.172	0.0	-2.0947	39.2017	21.9169
9/19/00	00:00	27.5286	33.6432	129.518	123.903	0.0	0.0	39.2279	20.0651
9/19/00	01:00	27.3333	32.6666	122.940	123.394	0.0	0.0	39.0914	19.6136
9/19/00	02:00	27.1432	31.7161	117.175	121.516	0.0	0.0	39.1833	18.9629
9/19/00	03:00	26.9609	30.7578	113.740	119.397	0.0	0.0	39.1046	18.7630
9/19/00	04:00	26.7786	29.6719	109.780	116.197	0.0	0.0	39.1728	18.6625

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
9/19/00	05:00	26.5911	28.5469	107.692	112.831	0.0	0.0	39.1597	20.0893
9/19/00	06:00	26.3646	27.1875	109.108	110.240	0.0	0.0	39.2306	19.5829
9/19/00	07:00	26.2083	26.2500	116.470	106.953	0.0	0.0	39.2647	21.4909
9/19/00	08:00	25.8385	24.3854	148.010	104.287	0.0	20.5826	39.0573	23.9626
9/19/00	09:00	25.4115	22.6458	148.436	102.666	0.0	22.6091	29.3816	23.6251
9/19/00	10:00	25.3359	22.3438	98.0311	102.447	0.0	0.0	0.0	22.8987
9/19/00	11:00	25.4740	22.8958	100.290	103.878	0.0	0.0	0.0	21.9534
9/19/00	12:00	25.5990	23.3958	99.4660	107.325	0.0	0.0	0.0	22.0095
9/19/00	13:00	25.7135	23.8542	99.0975	110.078	0.0	0.0	0.0	22.2848
9/19/00	14:00	25.8411	24.3646	97.8410	111.966	0.0	0.0	0.0	22.2983
9/19/00	15:00	25.9427	24.7708	96.2498	113.506	0.0	0.0	0.0	21.7516
9/19/00	16:00	26.0338	25.2031	94.3370	113.800	0.0	0.0	0.0	21.9615
9/19/00	17:00	26.1380	25.8281	92.0180	114.731	0.0	0.0	0.0	22.5955
9/19/00	18:00	26.1302	25.7813	121.726	114.869	0.0	0.0	35.8889	22.3478
9/19/00	19:00	25.9427	24.7812	122.644	117.437	0.0	0.0	39.2699	22.2751
9/19/00	20:00	25.7708	24.0833	122.627	119.581	0.0	0.0	39.1781	23.6073
9/19/00	21:00	25.6016	23.4063	95.6716	122.125	0.0	0.0	3.26550	32.9784
9/19/00	22:00	25.7839	24.1354	125.756	124.234	0.0	4.45987	22.9084	26.9752
9/19/00	23:00	25.6250	23.5000	131.065	124.909	0.0	0.0	39.1780	22.9055
9/20/00	00:00	25.2943	22.1771	147.189	125.781	0.0	25.1002	39.2489	20.7577
9/20/00	01:00	24.5182	19.0729	143.962	126.044	0.0	30.1297	39.3329	20.5179
9/20/00	02:00	24.0651	17.2604	137.043	125.722	0.0	30.1534	38.7633	19.3780
9/20/00	03:00	23.4062	14.6250	144.268	123.553	0.0	30.1717	39.2358	31.3389
9/20/00	04:00	22.8281	12.5078	147.552	119.006	0.0	30.1560	39.0416	26.9988
9/20/00	05:00	21.9401	9.94270	142.518	117.075	0.0	30.0930	39.3119	20.8370
9/20/00	06:00	20.7969	7.59375	136.539	113.675	0.0	30.1639	39.2778	19.4537
9/20/00	07:00	19.7578	5.83593	141.131	112.334	0.0	30.0982	39.1282	22.0144
9/20/00	08:00	17.8073	3.18489	174.013	110.372	0.0	29.1742	38.4772	51.1132
9/20/00	09:00	16.6354	2.31771	178.668	110.434	0.0	0.0	30.4893	67.9056

MMSD STORM EVENT SUMMARY

Preparation date: February 26, 2001

Event number:

Weather Data

Start date / time of precipitation: Feb. 07, 2001 @ 22:00
Stop date / time of precipitation: Feb. 11, 2001 @ 20:00
Predicted precipitation quantity: 2.05 + Snow Melt
Recorded precipitation quantity: 2.15 + 4" Snow Melt

ISS Information

Volume reserved for SS when CS gates closed: 95 MG
Date / Time of CS gates closing: Feb. 09, 2001 @ 05:31
Date / Time of CS gate reopening: Feb. 10, 2001 between 08:13 and 14:07
Year to date CS gate closing events: 1

Date / Time of SS gate closing:
Date / Time of SS gate reopening:
Volume in tunnel when SS gates reopened:
Year to date SS gate closing events:

Total (MG) pumped out for event:

Plant Flow During Event

<u>Date</u>	<u>Jones Island WWTP Flow</u>	<u>South Shore WWTP Flow</u>	<u>Total Plant Flow for Day</u>
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Total Plant Flow for Event

MMSD STORM EVENT SUMMARY

Plant Diversions

Jones Island

Date / Time-diversion started:

Date / Time-diversion stopped:

Type of diversion:

Volume (MG) diverted:

South Shore

Date / Time-diversion started:

Date / Time-diversion stopped:

Type of diversion:

Volume (MG) diverted:

Comments:

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
2/7/01	00:00	23.6432	15.5729	157.858	106.933	0.0	37.3327	38.3118	2.17525
2/7/01	01:00	22.7474	12.2656	151.630	106.834	0.0	37.0859	38.1806	1.55105
2/7/01	02:00	21.6432	9.33853	145.849	103.709	0.0	36.2328	37.4194	1.25786
2/7/01	03:00	20.4010	6.94010	142.071	101.840	0.0	36.2224	37.3301	1.22003
2/7/01	04:00	18.8229	4.55729	139.337	98.8634	0.0	36.2145	37.2959	.851185
2/7/01	05:00	16.5313	2.26953	108.577	95.4082	0.0	5.77499	37.3484	.633659
2/7/01	06:00	15.1875	1.72916	73.8420	91.9697	0.0	0.0	6.20024	.677796
2/7/01	07:00	16.1745	2.09158	75.7772	89.2572	0.0	0.0	0.0	1.70323
2/7/01	08:00	16.8568	2.42839	86.6014	86.4415	0.0	0.0	0.0	3.16830
2/7/01	09:00	17.4271	2.71354	92.6118	85.1853	0.0	0.0	0.0	4.31267
2/7/01	10:00	17.8854	2.97396	95.0558	85.7176	0.0	0.0	0.0	5.34355
2/7/01	11:00	18.2943	3.58854	97.3188	89.2801	0.0	0.0	0.0	5.03263
2/7/01	12:00	18.6302	4.26041	95.4790	91.6717	0.0	0.0	0.0	4.88217
2/7/01	13:00	19.0417	5.01041	93.1261	93.6540	0.0	0.0	0.0	5.58088
2/7/01	14:00	19.2917	5.29166	93.3019	95.4530	0.0	0.0	0.0	6.36470
2/7/01	15:00	19.6328	5.63281	90.4737	97.1707	0.0	0.0	0.0	8.51275
2/7/01	16:00	19.9089	5.91927	89.0700	97.8873	0.0	0.0	0.0	7.73668
2/7/01	17:00	20.1458	6.29166	89.6339	98.5300	0.0	0.0	0.0	5.78429
2/7/01	18:00	20.4453	6.89062	89.4060	99.9290	0.0	0.0	0.0	5.44379
2/7/01	19:00	20.7109	7.42187	89.6730	99.9968	0.0	0.0	0.0	6.03831
2/7/01	20:00	20.9375	7.87500	91.8644	100.394	0.0	0.0	0.0	7.84825
2/7/01	21:00	21.1458	8.29167	89.9529	102.009	0.0	0.0	0.0	6.22411
2/7/01	22:00	21.1328	8.26562	117.388	102.268	0.0	0.0	31.0064	5.20177
2/7/01	23:00	20.5990	7.22656	124.152	102.502	0.0	0.0	37.3878	6.92788
2/8/01	00:00	20.0755	6.19010	126.181	102.395	0.0	0.0	37.1542	7.04263
2/8/01	01:00	19.3594	5.35937	124.850	101.762	0.0	0.0	37.2565	5.73312
2/8/01	02:00	18.5625	4.22656	140.403	101.268	0.0	0.0	37.1358	8.69481
2/8/01	03:00	17.8333	2.97917	162.864	98.8030	0.0	0.0	37.3116	16.8578
2/8/01	04:00	16.9922	2.49609	192.757	95.6436	0.0	0.0	37.2854	59.5378
2/8/01	05:00	18.2239	3.94531	228.919	93.0540	0.0	0.0	37.6949	60.6320
2/8/01	06:00	20.9349	7.86979	234.327	91.4571	0.0	0.0	37.0859	47.7962
2/8/01	07:00	22.2474	10.7813	218.883	89.9166	0.0	0.0	38.0047	27.7816
2/8/01	08:00	22.7474	12.2422	204.236	89.7686	0.0	0.0	38.1911	21.0893
2/8/01	09:00	22.7604	12.2813	182.089	92.4364	0.0	0.0	28.7332	13.8765
2/8/01	10:00	23.0312	13.1563	145.243	99.1717	0.0	0.0	0.0	10.0591
2/8/01	11:00	23.3151	14.2604	138.833	107.888	0.0	0.0	0.0	9.44792
2/8/01	12:00	23.4545	14.8182	135.664	113.685	0.0	0.0	0.0	9.70444
2/8/01	13:00	23.5833	15.3333	158.995	117.014	0.0	27.1241	0.0	10.0044

MMSD STORM EVENT SUMMARY

2/8/01	14:00	23.4479	14.7917	170.350	120.281	0.0	36.2197	0.0	10.1913
2/8/01	15:00	23.2344	13.9375	167.124	123.526	0.0	36.2958	0.0	10.1258
2/8/01	16:00	22.9922	12.9974	164.277	125.517	0.0	36.1278	0.0	11.8192
2/8/01	17:00	23.1406	13.6563	233.385	127.201	0.0	36.2512	0.0	250.637
2/8/01	18:00	26.8307	30.3802	290.783	128.478	0.0	36.1830	0.0	342.378
2/8/01	19:00	29.9870	50.1276	287.249	132.678	0.0	36.2617	0.0	206.869
2/8/01	20:00	32.9010	82.0390	270.530	142.831	0.0	6.02175	0.0	873.089
2/8/01	21:00	38.5057	136.230	252.477	163.971	0.0	0.0	0.0	410.153
2/8/01	22:00	40.3125	157.385	262.659	192.600	4.58324	5.94562	16.7842	143.194
2/8/01	23:00	40.7864	162.659	239.409	223.409	0.0	3.26550	3.91125	72.3171
2/9/01	00:00	41.1198	166.479	282.107	206.165	0.0	38.3302	30.7072	113.163
2/9/01	01:00	41.7942	174.531	249.984	188.849	0.0	38.2987	7.74111	204.121
2/9/01	02:00	42.4869	182.844	270.649	187.801	0.0	38.2961	31.2690	218.233
2/9/01	03:00	43.8099	197.909	308.481	187.372	0.0	38.2462	37.3931	469.769
2/9/01	04:00	47.5495	237.529	329.281	189.009	0.0	38.3328	37.3826	863.471
2/9/01	05:00	55.0234	295.528	324.772	227.078	0.0	39.2515	37.2435	667.315
2/9/01	06:00	61.4545	323.940	324.750	189.634	0.0	41.1017	40.2026	426.416
2/9/01	07:00	68.9322	344.751	278.544	214.926	0.0	14.4401	14.7341	404.132
2/9/01	08:00	76.2083	362.436	252.763	224.928	0.0	3.79837	3.88500	311.885
2/9/01	09:00	82.0781	374.901	341.292	229.289	38.5743	46.6068	47.4284	359.642
2/9/01	10:00	100.693	391.797	405.413	225.319	41.0917	49.6964	50.6336	367.963
2/9/01	11:00	119.307	400.059	416.436	243.179	43.0762	53.2428	52.9619	92.2977
2/9/01	12:00	115.216	398.445	404.620	229.415	41.4959	52.3241	52.7073	48.1846
2/9/01	13:00	111.100	396.630	380.928	296.919	40.1545	51.4158	51.3423	63.9315
2/9/01	14:00	110.799	396.404	360.433	256.787	41.0471	51.2006	51.0824	57.4086
2/9/01	15:00	107.654	395.120	347.486	212.195	40.8921	50.0745	50.2372	51.2203
2/9/01	16:00	103.898	393.698	330.710	222.588	41.0444	49.0586	50.3133	44.5193
2/9/01	17:00	99.4468	391.723	314.202	221.211	40.3068	48.6569	49.3289	37.2875
2/9/01	18:00	94.6718	389.336	301.322	218.122	39.4695	47.4599	48.7305	31.8315
2/9/01	19:00	89.2447	385.241	291.754	213.847	38.5428	46.1711	47.3024	27.9350
2/9/01	20:00	85.9635	381.620	286.337	207.453	37.0964	46.2419	46.5176	24.5036
2/9/01	21:00	83.4687	377.854	281.236	206.440	37.1463	46.1002	45.7957	17.0294
2/9/01	22:00	81.3463	373.693	275.718	205.249	37.1384	46.2419	46.2026	14.9951
2/9/01	23:00	79.4036	369.685	269.906	201.756	37.1070	44.1997	46.1579	19.4030
2/10/01	00:00	78.1979	366.615	264.710	198.731	37.1227	44.6565	45.3337	31.8171
2/10/01	01:00	77.2447	364.489	257.881	194.809	35.5005	44.7457	45.1841	25.9854
2/10/01	02:00	75.9947	361.990	252.404	191.912	34.5712	44.5829	45.2313	53.5847
2/10/01	03:00	74.7109	359.187	248.144	189.618	35.0883	44.5068	45.1815	38.1037
2/10/01	04:00	73.3385	355.569	240.955	185.166	35.0673	44.6591	45.1079	30.2784
2/10/01	05:00	72.3463	352.956	235.265	183.090	35.1828	43.3650	45.2864	82.7392
2/10/01	06:00	71.8463	351.784	233.116	186.531	34.5187	43.8217	45.2628	56.5781

MMSD STORM EVENT SUMMARY

2/10/01	07:00	70.7500	349.250	233.382	197.456	34.1223	43.5067	45.2156	69.7733
2/10/01	08:00	70.2656	347.799	233.157	210.897	34.1722	43.6563	44.3047	110.582
2/10/01	09:00	69.9843	347.271	203.255	223.839	25.8641	25.2499	33.0618	44.4115
2/10/01	10:00	69.8385	346.969	225.816	226.291	6.07949	43.2573	45.1762	103.948
2/10/01	11:00	70.4895	348.535	249.915	224.916	26.7093	43.1733	45.1998	136.160
2/10/01	12:00	73.4609	355.737	266.051	225.595	35.9703	43.1182	45.0528	196.731
2/10/01	13:00	74.7135	358.960	265.824	227.975	36.2748	43.0972	45.0922	63.1790
2/10/01	14:00	73.3619	355.647	265.355	226.347	36.0727	43.0368	45.1053	40.0037
2/10/01	15:00	72.7265	353.953	265.471	224.834	36.1042	43.2809	45.1053	61.4413
2/10/01	16:00	71.8099	351.620	259.572	224.568	36.1410	43.2390	45.1972	56.2446
2/10/01	17:00	70.8567	349.510	255.382	223.903	36.1121	43.2836	45.2707	46.3809
2/10/01	18:00	69.8072	346.685	254.873	225.623	36.2223	42.9869	45.1841	29.6794
2/10/01	19:00	68.3072	343.510	256.252	226.525	36.1174	43.0289	45.2549	22.1794
2/10/01	20:00	67.3724	341.117	213.708	223.128	37.0754	43.4647	3.78000	15.1204
2/10/01	21:00	65.9817	337.758	235.123	224.420	35.2248	42.3491	36.0622	7.89921
2/10/01	22:00	64.6536	333.961	238.274	223.459	34.9492	42.3307	43.0972	6.86241
2/10/01	23:00	63.1484	329.445	236.554	221.471	35.1172	42.1365	43.2599	8.37356
2/11/01	00:00	61.7682	325.305	234.305	218.690	35.0358	42.1417	43.2153	6.63925
2/11/01	01:00	60.3776	320.539	229.761	215.853	35.1356	42.1259	43.2258	6.47478
2/11/01	02:00	59.0781	315.989	227.026	211.999	34.9754	42.2336	43.3229	6.16637
2/11/01	03:00	57.9739	311.044	225.486	208.775	35.1198	42.3491	43.0604	6.10882
2/11/01	04:00	56.9687	306.726	223.425	204.759	34.7917	42.2309	43.1313	5.75023
2/11/01	05:00	56.0104	302.052	219.135	201.454	35.0306	42.1732	43.1812	5.68403
2/11/01	06:00	55.1588	297.747	214.213	202.069	34.7786	42.0787	42.8793	5.62728
2/11/01	07:00	54.3307	292.979	210.948	217.697	33.7049	40.8712	41.7742	5.52325
2/11/01	08:00	53.5989	288.193	212.621	213.647	32.6313	39.8632	40.8318	5.60837
2/11/01	09:00	52.9557	283.690	220.289	202.748	34.1144	39.7214	40.6979	5.92047
2/11/01	10:00	52.3229	279.260	230.307	191.700	35.0752	40.1493	41.1835	6.06234
2/11/01	11:00	51.7109	274.976	236.854	184.289	35.1251	40.1519	41.0602	6.20419
2/11/01	12:00	51.1589	271.091	237.332	180.681	35.0699	40.2569	41.1468	6.19474
2/11/01	13:00	50.5469	265.956	231.235	178.966	34.1197	40.2596	37.7474	6.62079
2/11/01	14:00	50.4244	264.820	159.074	178.007	0.0	40.1782	0.0	5.89175
2/11/01	15:00	49.9869	260.930	226.181	176.090	31.3005	40.2359	34.2221	5.79752
2/11/01	16:00	49.5625	257.500	234.540	177.720	34.0462	40.1598	41.0234	5.31518
2/11/01	17:00	49.0911	253.646	230.459	178.874	34.2090	40.2202	41.0314	4.96524
2/11/01	18:00	48.6276	249.276	206.840	179.291	14.0674	39.8264	40.5535	4.55856
2/11/01	19:00	48.3463	246.464	204.537	180.053	11.2140	39.3592	40.3068	4.14243
2/11/01	20:00	48.0573	243.573	207.184	181.197	11.0329	39.9183	40.8738	4.19918
2/11/01	21:00	47.6927	239.927	192.087	179.828	0.0	40.4040	41.1888	3.93437
2/11/01	22:00	47.3906	236.906	187.994	178.266	0.0	40.3042	41.1573	3.49932
2/11/01	23:00	47.0677	233.664	186.788	177.393	0.0	40.3252	41.3069	3.16830

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2/12/01	00:00	46.8567	231.424	184.042	175.156	0.0	40.2963	40.8607	3.05481
2/12/01	01:00	46.5677	228.245	179.670	172.731	0.0	40.2753	41.1966	2.44952
2/12/01	02:00	46.2500	224.750	176.354	169.022	0.0	40.2176	41.1468	2.27929
2/12/01	03:00	45.9739	221.714	172.512	164.006	0.0	40.3698	41.2361	2.33603
2/12/01	04:00	45.7135	218.849	170.138	159.756	0.0	40.2858	41.2728	2.29820
2/12/01	05:00	45.4297	215.727	169.287	155.287	0.0	40.2806	41.3069	2.23200
2/12/01	06:00	45.1875	213.063	172.883	150.137	0.0	40.3121	41.2807	2.33603
2/12/01	07:00	44.9166	210.083	179.526	146.065	0.0	40.3646	41.1966	3.40666
2/12/01	08:00	44.6458	207.104	189.356	143.412	0.0	40.3278	41.2781	4.01003
2/12/01	09:00	44.4531	204.984	176.580	141.806	0.0	30.2347	30.8936	15.2189
2/12/01	10:00	44.4583	205.042	124.983	140.381	0.0	0.0	6.90112	26.8771
2/12/01	11:00	44.4635	205.099	134.177	143.656	0.0	0.0	16.9942	6.82793
2/12/01	12:00	44.4739	205.214	159.472	145.665	0.0	0.0	40.1782	5.45795
2/12/01	13:00	44.3958	204.354	164.778	145.353	0.0	0.0	40.0863	5.56940
2/12/01	14:00	44.2890	203.180	169.164	145.578	0.0	0.0	40.0390	5.51924
2/12/01	15:00	44.1823	202.005	168.590	146.919	0.0	0.0	40.0286	5.85399
2/12/01	16:00	44.1172	201.289	166.206	148.187	0.0	0.0	40.3042	6.02254
2/12/01	17:00	44.0234	200.258	161.326	149.981	0.0	0.0	40.2307	5.18909
2/12/01	18:00	43.9427	199.370	157.667	151.012	0.0	0.0	40.0627	5.36247
2/12/01	19:00	43.8594	198.453	152.517	152.245	0.0	0.0	36.8156	5.09765
2/12/01	20:00	43.9167	199.083	114.318	153.515	-0.03150	0.0	0.0	4.49236
2/12/01	21:00	43.8542	198.396	112.920	154.872	0.0	0.0	0.0	3.84925
2/12/01	22:00	43.7916	197.708	142.585	156.028	10.4002	25.6698	0.0	3.79611
2/12/01	23:00	43.8515	198.367	181.035	154.937	2.92425	38.0572	34.5975	3.78305
2/13/01	00:00	43.6406	196.047	139.115	154.187	0.0	39.7451	0.0	3.40474
2/13/01	01:00	43.5573	195.130	132.192	151.262	0.0	38.3171	0.0	2.76163
2/13/01	02:00	43.4739	194.214	129.069	148.040	0.0	38.3564	0.0	2.62921
2/13/01	03:00	43.3594	192.953	127.126	143.222	0.0	38.3197	0.0	2.43061
2/13/01	04:00	43.2578	191.836	123.176	138.662	0.0	38.2856	0.0	2.33603
2/13/01	05:00	43.1927	191.120	121.946	134.519	0.0	38.3984	0.0	2.36440
2/13/01	06:00	42.9167	187.932	124.954	130.247	0.0	38.3591	0.0	3.48040
2/13/01	07:00	42.7552	186.057	162.180	124.369	0.0	38.2121	28.6755	4.18026
2/13/01	08:00	42.6979	185.375	182.429	123.120	0.0	38.2462	38.0388	4.10461
2/13/01	09:00	42.4088	181.906	162.205	128.697	0.0	28.6361	22.3151	4.63422
2/13/01	10:00	42.4609	182.531	112.542	128.078	0.0	0.0	0.0	4.62699
2/13/01	11:00	42.5312	183.375	128.334	130.799	0.0	0.0	15.8524	4.74486
2/13/01	12:00	42.4453	182.344	151.396	132.814	0.0	0.0	38.1517	5.15899
2/13/01	13:00	42.3594	181.313	149.519	134.222	0.0	0.0	38.3092	5.12116
2/13/01	14:00	42.2005	179.406	148.203	134.903	0.0	0.0	38.2829	5.26789
2/13/01	15:00	41.9583	176.500	147.583	136.184	0.0	0.0	38.1674	5.47596
2/13/01	16:00	42.2109	179.531	128.902	137.181	0.0	19.1467	3.17887	5.21115

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2/13/01	17:00	42.0495	177.594	144.075	137.631	0.0	38.3197	0.0	4.93860
2/13/01	18:00	41.9036	175.846	144.441	136.681	0.0	38.1675	0.0	4.78269
2/13/01	19:00	41.9089	175.906	143.627	78.3936	0.0	38.0624	0.0	5.39170
2/13/01	20:00	41.8229	174.875	143.070	52.4572	0.0	38.2620	0.0	5.34728
2/13/01	21:00	41.7578	174.094	111.594	55.8530	0.0	6.38399	0.0	4.82052
2/13/01	22:00	41.7422	173.906	102.803	50.1374	0.0	17.7319	0.0	4.53478
2/13/01	23:00	41.7109	173.531	133.525	54.6843	0.0	28.7043	32.8203	3.96749
2/14/01	00:00	41.4817	170.781	137.743	65.8301	0.0	28.7936	40.2701	3.80785
2/14/01	01:00	41.2812	168.375	131.922	69.3364	0.0	28.5888	40.1913	4.08655
2/14/01	02:00	41.0755	165.906	128.644	71.7248	0.0	28.5941	40.2071	4.07509
2/14/01	03:00	40.8828	163.711	127.769	74.0550	0.0	28.4261	40.1441	4.18572
2/14/01	04:00	40.6875	161.562	134.632	75.5635	0.0	28.2318	40.1309	6.26538
2/14/01	05:00	40.5026	159.529	148.586	77.2717	0.0	27.9956	40.1624	7.74767
2/14/01	06:00	40.3333	157.667	149.793	96.8300	0.0	27.7121	40.2937	6.28209
2/14/01	07:00	40.1437	155.581	149.971	142.785	0.0	27.6003	40.2412	6.86320
2/14/01	08:00	39.9151	152.982	156.373	154.961	0.0	27.6525	40.2975	7.06309
2/14/01	09:00	39.7448	150.937	145.408	155.381	0.0	16.0256	26.8091	7.10055
2/14/01	10:00	39.7995	151.594	117.710	153.724	0.0	0.0	0.0	7.95959
2/14/01	11:00	39.8125	151.750	115.109	153.100	0.0	0.0	0.0	9.40640
2/14/01	12:00	39.8776	152.531	118.741	153.538	0.0	13.9151	0.0	9.52038
2/14/01	13:00	39.8542	152.250	123.720	148.622	0.0	27.5835	0.0	8.73408
2/14/01	14:00	39.8203	151.844	120.411	174.496	0.0	27.9588	0.0	8.86664
2/14/01	15:00	39.8047	151.656	117.628	199.424	0.0	27.9405	0.0	8.67164
2/14/01	16:00	39.7448	150.938	119.516	217.688	0.0	27.8145	0.0	7.82250
2/14/01	17:00	39.7161	150.594	118.958	221.525	0.0	27.4102	0.0	7.21216
2/14/01	18:00	39.6979	150.375	116.573	219.284	0.0	27.6229	0.0	7.59728
2/14/01	19:00	39.6406	149.687	114.566	216.222	0.0	27.8328	0.0	8.15992
2/14/01	20:00	39.6146	149.375	112.667	223.399	0.0	27.9825	0.0	7.48098
2/14/01	21:00	39.5742	148.891	109.765	162.020	0.0	27.8735	0.0	6.31769
2/14/01	22:00	39.4922	147.906	135.055	217.408	0.0	27.8880	28.8697	4.82338
2/14/01	23:00	39.3073	145.687	141.473	209.441	0.0	27.7672	38.3696	5.05982
2/15/01	00:00	39.1094	143.313	135.303	204.090	0.0	27.5493	38.3092	4.88013
2/15/01	01:00	38.9192	141.031	129.677	198.315	0.0	27.5073	38.2619	3.45203
2/15/01	02:00	38.7604	139.125	124.771	192.956	0.0	27.3945	38.1491	2.63867
2/15/01	03:00	38.5703	136.844	121.930	185.925	0.0	27.5179	38.3276	2.19417
2/15/01	04:00	38.3515	134.219	118.392	178.988	0.0	27.3026	38.2278	1.99556
2/15/01	05:00	38.1797	132.156	116.823	172.351	0.0	26.9403	38.2409	2.12796
2/15/01	06:00	37.9661	129.643	118.815	166.847	0.0	26.7776	38.2462	3.25342
2/15/01	07:00	37.7760	127.537	126.224	164.168	0.0	27.0454	39.0468	4.88013
2/15/01	08:00	37.6067	125.674	137.436	163.709	0.0	26.9692	39.0022	5.62728
2/15/01	09:00	37.4244	123.669	135.181	155.722	0.0	20.3175	29.3894	180.096

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2/15/01	10:00	37.3437	122.745	107.677	140.356	0.0	0.0	0.0	7.24454
2/15/01	11:00	37.4531	123.984	107.400	140.440	0.0	0.0	0.0	7.70595
2/15/01	12:00	37.4271	123.698	109.506	142.162	0.0	28.2424	0.0	12.1639
2/15/01	13:00	37.4114	123.526	110.838	146.256	0.0	27.1267	0.0	22.1119
2/15/01	14:00	37.4219	123.641	124.391	142.140	0.0	6.79349	13.1565	7.48844
2/15/01	15:00	37.3854	123.240	150.156	142.000	0.0	0.0	39.2857	7.16887
2/15/01	16:00	37.0807	119.747	147.702	130.550	0.0	0.0	39.2673	7.08376
2/15/01	17:00	37.2239	121.464	145.106	145.122	0.0	0.0	39.1807	6.29878
2/15/01	18:00	37.1145	120.260	144.427	137.690	0.0	0.0	39.2883	6.60141
2/15/01	19:00	37.0234	119.258	143.094	134.059	0.0	0.0	39.0626	5.88264
2/15/01	20:00	36.9349	118.219	142.587	131.325	0.0	0.0	39.1675	4.98416
2/15/01	21:00	36.8409	117.091	141.555	129.840	0.0	0.0	39.1401	4.03754
2/15/01	22:00	36.7708	116.250	139.955	129.519	0.0	4.16324	39.3172	3.94382
2/15/01	23:00	36.6094	114.313	137.762	129.197	0.0	8.17949	39.2778	4.39779
2/16/01	00:00	36.4870	112.844	133.629	129.537	0.0	0.0	39.2516	3.41306
2/16/01	01:00	36.3880	111.656	127.585	129.172	0.0	0.0	39.0704	2.71433
2/16/01	02:00	36.1614	109.037	125.809	127.769	0.0	3.09487	39.2778	2.32657
2/16/01	03:00	36.0937	108.125	156.830	125.362	0.0	37.2644	39.2726	2.07122
2/16/01	04:00	35.8307	105.138	152.492	122.103	0.0	37.3694	39.1964	1.91990
2/16/01	05:00	35.5989	102.589	150.005	117.847	0.0	37.2697	39.2043	2.01447
2/16/01	06:00	35.3229	99.5521	151.744	112.412	0.0	37.3196	39.2306	2.19417
2/16/01	07:00	35.0989	97.0885	160.788	109.634	0.0	37.3511	39.1676	3.10210
2/16/01	08:00	34.9479	95.4791	114.359	109.137	0.0	12.3900	6.55462	3.58444
2/16/01	09:00	34.9739	95.7396	116.080	107.859	0.0	0.0	16.2251	3.64118
2/16/01	10:00	34.9204	95.2045	144.259	108.495	0.0	0.0	39.2375	3.30501
2/16/01	11:00	34.8177	94.1771	145.422	110.937	0.0	0.0	39.2332	3.11156
2/16/01	12:00	34.7005	93.0051	147.792	113.494	0.0	0.0	39.1465	3.40474
2/16/01	13:00	34.6067	92.0677	151.891	115.682	0.0	0.0	39.1203	3.81801
2/16/01	14:00	34.5182	91.1822	153.370	117.093	0.0	0.0	39.2726	3.38010
2/16/01	15:00	34.4166	90.1666	152.416	119.232	0.0	0.0	39.1404	3.34169
2/16/01	16:00	34.3151	89.1510	147.042	120.559	0.0	0.0	38.8027	3.12101
2/16/01	17:00	34.2083	88.0833	141.256	121.615	0.0	0.0	38.3144	2.18471
2/16/01	18:00	34.1250	87.2500	140.267	122.584	0.0	0.0	38.1543	1.88207
2/16/01	19:00	34.0312	86.3125	139.844	123.561	0.0	0.0	38.3354	2.52518
2/16/01	20:00	33.9401	85.4010	138.085	123.565	0.0	0.0	38.1779	2.04285
2/16/01	21:00	33.8177	84.1771	136.712	124.433	0.0	0.0	38.2383	.860642
2/16/01	22:00	33.7135	83.1354	131.960	124.600	0.0	0.0	38.0992	.274271
2/16/01	23:00	33.6198	82.1978	128.688	125.243	0.0	0.0	38.2541	.576914
2/17/01	00:00	33.5312	81.3125	125.692	123.990	0.0	0.0	38.3328	.274271
2/17/01	01:00	33.3984	79.9844	121.934	121.894	0.0	0.0	38.2934	0.0
2/17/01	02:00	33.2995	78.9947	119.252	119.469	0.0	0.0	38.1333	0.0

MMSD STORM EVENT SUMMARY

2/17/01	03:00	33.1875	77.8750	115.282	117.222	0.0	0.0	38.2856	.460271
2/17/01	04:00	33.0729	76.7291	112.032	113.684	0.0	0.0	38.2829	0.0
2/17/01	05:00	32.9583	75.5833	107.666	109.797	0.0	0.0	38.1648	0.0
2/17/01	06:00	32.8489	74.4895	106.551	106.975	0.0	0.0	37.9706	0.0
2/17/01	07:00	32.7239	73.2396	108.418	104.150	0.0	0.0	38.1018	.034677
2/17/01	08:00	32.5989	71.9895	112.178	102.256	0.0	0.0	38.3381	0.0
2/17/01	09:00	32.5104	71.1041	119.820	99.4311	0.0	0.0	38.1911	0.0
2/17/01	10:00	32.3750	69.7760	128.843	97.4281	0.0	0.0	38.3197	0.0
2/17/01	11:00	32.2448	68.4479	133.799	97.8280	0.0	0.0	38.0204	0.0
2/17/01	12:00	32.1614	67.6145	138.709	100.694	0.0	0.0	38.3302	0.0
2/17/01	13:00	32.0312	66.3229	139.778	105.141	0.0	0.0	38.2593	0.0
2/17/01	14:00	31.7656	64.1250	138.613	110.087	0.0	0.0	38.3354	0.0
2/17/01	15:00	31.8021	64.4167	137.332	113.584	0.0	0.0	38.2803	0.0
2/17/01	16:00	31.6901	63.5208	134.950	117.267	0.0	0.0	38.3223	0.0
2/17/01	17:00	31.5521	62.4167	131.966	120.054	0.0	0.0	38.2777	0.0
2/17/01	18:00	31.4375	61.5000	131.022	121.609	0.0	0.0	38.2619	0.0
2/17/01	19:00	31.3203	60.6667	130.359	122.470	0.0	0.0	38.2462	0.0
2/17/01	20:00	31.2005	59.6042	129.640	124.072	0.0	0.0	38.3748	0.0
2/17/01	21:00	31.0677	58.5417	128.386	124.675	0.0	0.0	38.3354	0.0
2/17/01	22:00	30.9375	57.5000	125.542	124.869	0.0	0.0	38.3354	0.0
2/17/01	23:00	30.8255	56.6042	122.720	122.978	0.0	0.0	38.3564	0.0
2/18/01	00:00	30.6797	55.4375	120.116	121.378	0.0	0.0	38.1359	0.0
2/18/01	01:00	30.5391	54.3125	117.265	118.422	0.0	0.0	38.1149	0.0
2/18/01	02:00	30.4036	53.2292	113.507	116.600	0.0	0.0	38.1806	0.0
2/18/01	03:00	30.2630	52.1042	110.657	114.059	0.0	0.0	38.2620	0.0
2/18/01	04:00	30.1042	50.8333	106.926	110.156	0.0	0.0	38.3039	0.0
2/18/01	05:00	29.9583	49.7161	102.861	105.422	0.0	0.0	38.2908	0.0
2/18/01	06:00	29.7943	48.5599	103.129	101.359	0.0	0.0	38.2934	6.33333
2/18/01	07:00	29.6615	47.6302	102.609	98.0092	0.0	0.0	38.1779	18.3146
2/18/01	08:00	29.5000	46.5000	105.875	95.1655	0.0	0.0	38.2095	0.0
2/18/01	09:00	29.3542	45.4791	111.125	92.4592	0.0	0.0	38.3748	0.0
2/18/01	10:00	29.2083	44.4583	121.496	91.4436	0.0	0.0	38.3643	6.33333
2/18/01	11:00	29.0625	43.4375	128.830	91.9624	0.0	0.0	38.3144	6.33333
2/18/01	12:00	28.9141	42.3984	133.983	93.3374	0.0	0.0	38.2514	0.0
2/18/01	13:00	28.6953	40.8724	135.898	97.7811	0.0	0.0	38.3564	0.0
2/18/01	14:00	28.6146	40.3021	136.032	102.984	0.0	0.0	38.3144	0.0
2/18/01	15:00	28.4427	39.0989	134.270	107.328	0.0	0.0	38.3039	0.0
2/18/01	16:00	28.2813	37.9687	133.601	110.141	0.0	0.0	38.3171	0.0
2/18/01	17:00	28.1042	36.7292	130.805	112.981	0.0	0.0	37.7947	.036260
2/18/01	18:00	27.9453	35.7656	129.096	115.759	0.0	0.0	37.2172	.036260
2/18/01	19:00	27.8021	35.0104	128.834	118.103	0.0	0.0	37.2015	0.0

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2/18/01	20:00	27.5078	33.5234	128.597	119.006	0.0	0.0	37.3458	0.0
2/18/01	21:00	27.4766	33.3828	127.450	118.828	0.0	0.0	37.2277	0.0
2/18/01	22:00	27.2760	32.3802	125.332	119.097	0.0	0.0	37.2644	0.0
2/18/01	23:00	27.1250	31.6250	122.543	119.744	0.0	0.0	37.1017	0.0
2/19/01	00:00	26.9297	30.5729	117.435	119.647	0.0	0.0	37.2513	0.0
2/19/01	01:00	26.6667	29.0156	113.714	117.850	0.0	0.0	37.3694	0.0
2/19/01	02:00	26.5078	28.0469	108.904	115.522	0.0	0.0	37.3301	0.0
2/19/01	03:00	26.3151	26.8906	105.355	113.269	0.0	0.0	37.3038	.019778
2/19/01	04:00	26.0781	25.4688	102.414	109.384	0.0	0.0	37.2880	.018915
2/19/01	05:00	25.8411	24.3646	100.407	104.478	0.0	0.0	37.3721	.299491
2/19/01	06:00	25.6328	23.5313	101.361	101.991	0.0	0.0	37.2539	1.43756
2/19/01	07:00	25.4167	22.6667	108.099	100.184	0.0	0.0	37.2250	2.59884
2/19/01	08:00	25.1146	21.4583	119.306	98.0311	0.0	0.0	37.1935	2.77108
2/19/01	09:00	24.9583	20.8333	128.156	96.6373	0.0	0.0	37.1883	3.55693
2/19/01	10:00	24.8151	20.2604	105.543	96.2124	0.0	0.0	9.35023	4.10633
2/19/01	11:00	24.8958	20.5833	97.0389	97.3655	0.0	0.0	0.0	4.48263
2/19/01	12:00	25.0026	21.0104	97.9086	100.831	0.0	0.0	0.0	4.48263
2/19/01	13:00	25.1328	21.5312	99.3917	104.043	0.0	0.0	0.0	4.75117
2/19/01	14:00	25.2578	22.0312	98.7706	105.757	0.0	0.0	0.0	5.06159
2/19/01	15:00	25.3802	22.5208	98.9438	107.756	0.0	0.0	0.0	5.54031
2/19/01	16:00	25.5000	23.0000	99.0194	109.016	0.0	0.0	0.0	5.24348
2/19/01	17:00	25.5703	23.2812	97.7446	110.406	0.0	0.0	0.0	4.65840
2/19/01	18:00	25.7135	23.8542	97.2003	111.106	0.0	0.0	0.0	4.32087
2/19/01	19:00	25.7969	24.1875	96.1912	111.928	0.0	0.0	0.0	5.05213
2/19/01	20:00	25.9167	24.6667	94.8540	113.325	0.0	0.0	0.0	4.30027
2/19/01	21:00	25.9922	25.0000	92.7394	114.419	0.0	0.0	0.0	3.84199
2/19/01	22:00	26.0365	25.2344	114.192	114.906	0.0	0.0	24.3311	3.65927
2/19/01	23:00	25.8724	24.4896	124.339	115.125	0.0	0.0	36.3431	3.40564
2/20/01	00:00	25.6432	23.5729	120.332	115.834	0.0	0.0	36.2223	2.90694
2/20/01	01:00	25.4401	22.7604	114.767	114.225	0.0	0.0	36.1409	2.63267
2/20/01	02:00	25.1927	21.7708	109.205	112.144	0.0	0.0	35.8417	2.26669
2/20/01	03:00	24.9245	20.6979	105.877	109.423	0.0	0.0	36.3090	2.59025
2/20/01	04:00	24.6667	19.6667	103.214	106.396	0.0	0.0	36.2722	2.09013
2/20/01	05:00	24.4115	18.6458	92.6032	102.415	0.0	0.0	27.1320	1.77803
2/20/01	06:00	24.3906	18.5625	66.8930	98.6499	0.0	0.0	0.0	1.75711
2/20/01	07:00	24.4896	18.9583	75.5389	96.1467	0.0	0.0	0.0	2.44007
2/20/01	08:00	24.5911	19.3646	89.5935	93.3249	0.0	0.0	0.0	2.67650
2/20/01	09:00	24.6068	19.4271	96.8019	91.3842	0.0	0.0	0.0	3.55692
2/20/01	10:00	24.8125	20.2500	97.0454	87.2436	0.0	0.0	0.0	3.92491
2/20/01	11:00	24.9323	20.7292	88.7147	91.5863	0.0	0.0	0.0	4.22383
2/20/01	12:00	25.0364	21.1458	87.2081	104.761	0.0	0.0	0.0	4.67206

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2/20/01	13:00	25.1484	21.5938	88.2641	108.446	0.0	0.0	0.0	5.26420
2/20/01	14:00	25.2760	22.1042	89.7993	112.766	0.0	0.0	0.0	5.08910
2/20/01	15:00	25.3932	22.5729	88.2901	112.894	0.0	0.0	0.0	5.04064
2/20/01	16:00	25.5208	23.0833	85.7576	110.534	0.0	0.0	0.0	4.67951
2/20/01	17:00	25.6224	23.4896	82.7954	113.281	0.0	0.0	0.0	3.75267
2/20/01	18:00	25.7161	23.8646	79.3318	123.799	0.0	0.0	0.0	3.09264
2/20/01	19:00	25.8255	24.3021	77.7576	124.147	0.0	0.0	0.0	10.5853
2/20/01	20:00	25.9167	24.6667	77.5493	123.687	0.0	0.0	0.0	20.3983
2/20/01	21:00	26.0130	25.0885	77.8591	123.725	0.0	0.0	0.0	8.12081
2/20/01	22:00	26.0469	25.3021	100.104	124.015	0.0	0.0	27.2055	.936303
2/20/01	23:00	25.8568	24.4271	111.150	124.594	0.0	0.0	36.2880	.362541
2/21/01	00:00	25.6615	23.6458	106.480	124.653	0.0	0.0	36.2302	.088271
2/21/01	01:00	25.4375	22.7500	102.853	123.853	0.0	0.0	36.2984	0.0
2/21/01	02:00	25.2083	21.8333	98.8241	120.809	0.0	0.0	36.2590	0.0
2/21/01	03:00	24.9818	20.9271	81.3204	118.442	0.0	0.0	24.1473	.233288
2/21/01	04:00	24.9740	20.8958	60.5563	114.813	0.0	0.0	5.96400	0.0
2/21/01	05:00	24.8411	20.3646	89.2649	110.691	0.0	0.0	36.1777	0.0
2/21/01	06:00	24.6302	19.5208	91.3703	108.567	0.0	0.0	36.1672	0.0
2/21/01	07:00	24.3411	18.3646	98.4335	83.8562	0.0	0.0	36.2591	0.0
2/21/01	08:00	24.1094	17.4375	107.846	89.2124	0.0	0.0	36.2617	0.0
2/21/01	09:00	23.8542	16.4167	103.526	93.4405	0.0	0.0	27.2238	0.0
2/21/01	10:00	23.8490	16.3958	78.2641	97.1186	0.0	0.0	0.0	0.0
2/21/01	11:00	23.9870	16.9479	77.4125	100.494	0.0	0.0	0.0	0.0
2/21/01	12:00	24.1120	17.4479	76.3201	103.699	0.0	0.0	0.0	.501253
2/21/01	13:00	24.2526	18.0104	76.6795	107.355	0.0	0.0	0.0	.860643
2/21/01	14:00	24.3724	18.4896	77.2953	109.725	0.0	0.0	0.0	1.29569
2/21/01	15:00	24.4896	18.9583	75.2407	111.944	0.0	0.0	0.0	2.53084
2/21/01	16:00	24.6380	19.5521	73.7615	114.022	0.0	0.0	0.0	1.41684
2/21/01	17:00	24.7604	20.0417	74.0466	116.137	0.0	0.0	0.0	.813355
2/21/01	18:00	24.8776	20.5104	72.8553	117.776	0.0	0.0	0.0	.766066
2/21/01	19:00	24.9818	20.9271	72.8670	118.103	0.0	0.0	0.0	.050440
2/21/01	20:00	25.0990	21.3958	74.2797	119.475	0.0	0.0	0.0	.012610
2/21/01	21:00	25.2057	21.8229	75.2732	119.679	0.0	0.0	0.0	0.0
2/21/01	22:00	25.2057	21.8229	100.586	120.431	0.0	0.0	26.8878	0.0
2/21/01	23:00	25.0443	21.1771	108.537	121.384	0.0	0.0	36.2223	0.0
2/22/01	00:00	24.7708	20.0833	105.045	119.090	0.0	0.0	36.2197	0.0
2/22/01	01:00	24.5417	19.1667	100.518	119.597	0.0	0.0	36.1304	.044135
2/22/01	02:00	24.3359	18.3438	71.9555	118.797	0.0	0.0	12.1170	0.0
2/22/01	03:00	24.3151	18.2604	76.9710	118.252	0.0	0.0	24.1132	0.0
2/22/01	04:00	24.0651	17.2604	88.6909	115.586	0.0	0.0	36.2092	0.0
2/22/01	05:00	23.7578	16.0312	88.1547	112.691	0.0	0.0	36.2538	0.0

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2/22/01	06:00	23.4297	14.7188	90.7334	109.771	0.0	0.0	36.1987	.252203
2/22/01	07:00	23.1328	13.5365	97.0186	106.765	0.0	0.0	36.1620	.775524
2/22/01	08:00	22.9974	13.0078	69.2524	104.344	0.0	0.0	0.0	1.24841
2/22/01	09:00	23.1302	13.5208	76.2068	127.734	0.0	0.0	0.0	1.99556
2/22/01	10:00	23.2786	14.1146	77.6521	123.422	0.0	0.0	0.0	2.47878
2/22/01	11:00	23.4193	14.6771	77.8852	114.479	0.0	0.0	0.0	26.0505
2/22/01	12:00	23.5521	15.2083	77.3500	113.650	0.0	0.0	0.0	2.37386
2/22/01	13:00	23.6901	15.7604	77.6391	113.378	0.0	0.0	0.0	2.54410
2/22/01	14:00	23.8255	16.3021	76.9699	114.413	0.0	0.0	0.0	2.23200
2/22/01	15:00	23.9219	16.6875	74.1378	116.300	0.0	0.0	0.0	1.94827
2/22/01	16:00	24.0521	17.2083	73.6665	115.978	0.0	0.0	0.0	1.84424
2/22/01	17:00	24.1849	17.7396	73.3982	115.844	0.0	0.0	0.0	1.77803
2/22/01	18:00	24.3125	18.2500	74.0623	116.697	0.0	0.0	0.0	2.13742
2/22/01	19:00	24.3984	18.5938	75.0063	116.681	0.0	0.0	0.0	1.74020
2/22/01	20:00	24.5313	19.1250	74.3644	116.856	0.0	0.0	0.0	1.02142
2/22/01	21:00	24.6406	19.5625	74.9646	118.025	0.0	0.0	0.0	1.12546
2/22/01	22:00	24.7682	20.0729	72.9217	119.462	0.0	0.0	0.0	.955220
2/22/01	23:00	24.8646	20.4583	70.3344	119.484	0.0	0.0	0.0	.728236
2/23/01	00:00	24.9661	20.8646	68.3800	119.328	0.0	0.0	0.0	.245898
2/23/01	01:00	25.0443	21.1771	63.4413	119.091	0.0	0.0	0.0	.108050
2/23/01	02:00	25.1146	21.4583	58.8463	117.922	0.0	0.0	0.0	.182847
2/23/01	03:00	25.2031	21.8125	57.4400	115.891	0.0	0.0	0.0	.015762
2/23/01	04:00	25.2786	22.1146	52.8645	111.252	0.0	0.0	0.0	0.0
2/23/01	05:00	25.3411	22.3646	50.8410	106.993	0.0	0.0	0.0	0.0
2/23/01	06:00	25.4193	22.6771	53.9426	103.206	0.0	0.0	0.0	0.0
2/23/01	07:00	25.5052	23.0208	60.8397	99.8718	0.0	0.0	0.0	.015762
2/23/01	08:00	25.5990	23.3958	69.5831	97.9040	0.0	0.0	0.0	.302644
2/23/01	09:00	25.6719	23.6875	75.1730	96.7405	0.0	0.0	0.0	.605287
2/23/01	10:00	25.7656	24.0625	77.3904	97.6249	0.0	0.0	0.0	1.34228
2/23/01	11:00	25.8646	24.4583	77.5206	101.090	0.0	0.0	0.0	1.74966
2/23/01	12:00	25.9609	24.8542	77.0271	105.220	0.0	0.0	0.0	2.67266
2/23/01	13:00	26.0469	25.2813	77.6235	109.351	0.0	0.0	0.0	4.59314
2/23/01	14:00	26.1250	25.7500	78.5831	111.893	0.0	0.0	0.0	5.12191
2/23/01	15:00	26.2266	26.3594	78.5063	114.180	0.0	0.0	0.0	3.57534
2/23/01	16:00	26.3151	26.8906	78.5467	115.998	0.0	0.0	0.0	3.08495
2/23/01	17:00	26.4115	27.4688	77.3526	116.755	0.0	0.0	0.0	2.51863
2/23/01	18:00	26.4688	27.8125	75.3891	116.499	0.0	0.0	0.0	1.91989
2/23/01	19:00	26.5781	28.4688	73.5792	116.431	0.0	0.0	0.0	2.28533
2/23/01	20:00	26.6406	28.8438	73.5050	117.484	0.0	0.0	0.0	2.95078
2/23/01	21:00	26.7318	29.3906	71.6404	119.491	0.0	0.0	0.0	2.86652
2/23/01	22:00	26.7760	29.6563	68.9008	120.050	0.0	7.09536	0.0	3.30306

MMSD STORM EVENT SUMMARY

2/23/01	23:00	26.8229	29.9375	68.2407	118.225	4.38375	5.05049	0.0	2.25696
2/24/01	00:00	26.8021	29.8125	65.1795	116.981	2.09737	0.0	0.0	2.96969
2/24/01	01:00	26.9089	30.4531	61.3919	115.203	0.0	0.0	0.0	2.78431
2/24/01	02:00	26.9583	30.7500	58.7252	114.187	0.0	0.0	0.0	3.12714
2/24/01	03:00	27.0260	31.1302	56.2069	111.334	0.0	0.0	0.0	3.16713
2/24/01	04:00	27.0703	31.3516	52.9270	107.537	4.33124	0.0	0.0	3.46337
2/24/01	05:00	27.1406	31.7031	52.3007	103.841	0.0	0.0	0.0	3.36794
2/24/01	06:00	27.1615	31.8073	51.9648	100.300	0.0	0.0	0.0	4.01709
2/24/01	07:00	27.2344	32.1719	56.6197	96.3248	0.0	0.0	0.0	4.46847
2/24/01	08:00	27.3281	32.6406	73.9126	93.1874	0.0	0.0	0.0	9.18703
2/24/01	09:00	27.4844	33.4219	101.700	90.9092	0.0	0.0	0.0	10.6148
2/24/01	10:00	27.6563	34.2812	114.479	90.9092	0.0	0.0	0.0	12.3064
2/24/01	11:00	27.9193	35.6224	151.027	92.2592	0.0	0.0	0.0	33.8105
2/24/01	12:00	28.3646	38.5521	178.997	97.0811	0.0	0.0	0.0	33.6730
2/24/01	13:00	28.8125	41.6875	191.310	105.631	0.0	4.43625	0.0	45.5056
2/24/01	14:00	29.2813	44.9687	178.948	115.434	0.0	0.0	0.0	36.3604
2/24/01	15:00	29.6536	47.5755	168.678	124.719	0.0	0.0	0.0	31.1732
2/24/01	16:00	30.0859	50.7292	206.115	138.772	0.0	2.23387	9.04836	60.1723
2/24/01	17:00	30.5391	54.3125	248.132	143.628	0.0	2.20237	37.2644	104.186
2/24/01	18:00	31.8958	65.7656	291.237	148.922	0.0	0.0	38.2540	402.314
2/24/01	19:00	35.2682	99.6406	282.724	156.297	2.35200	17.6216	0.0	762.120
2/24/01	20:00	39.7135	150.417	321.647	165.853	0.0	37.8262	26.5125	505.854
2/24/01	21:00	41.3177	168.836	290.991	179.193	0.0	32.3478	39.1885	150.242
2/24/01	22:00	41.7760	174.312	256.670	198.853	0.0	29.3921	39.1833	63.9905
2/24/01	23:00	41.8854	175.625	228.230	220.369	0.0	29.5417	39.1649	37.9743
2/25/01	00:00	41.8594	175.313	211.447	221.028	0.0	29.5260	39.2830	35.9807
2/25/01	01:00	41.8776	175.531	213.745	227.091	0.0	29.4734	39.0993	47.0696
2/25/01	02:00	41.9062	175.875	248.075	223.275	0.0	37.5191	39.1282	45.6575
2/25/01	03:00	41.8593	175.313	248.022	222.773	0.0	38.2593	39.2463	41.5625
2/25/01	04:00	41.8437	175.125	245.431	227.637	0.0	38.3617	39.2489	40.4696
2/25/01	05:00	41.6771	173.146	245.747	231.412	0.0	38.2567	39.1938	40.3860
2/25/01	06:00	41.8463	175.156	254.913	230.350	0.0	38.2462	39.2568	53.9363
2/25/01	07:00	41.9661	176.594	258.761	219.584	0.0	38.3223	39.2699	89.6327
2/25/01	08:00	42.1146	178.375	247.507	225.012	0.0	38.2488	39.2541	90.6785
2/25/01	09:00	42.2161	179.594	235.851	224.418	0.0	38.4037	39.3067	94.1464
2/25/01	10:00	42.3047	180.656	225.957	224.559	0.0	38.3144	39.3066	97.0687
2/25/01	11:00	42.4166	182.000	219.841	222.196	0.0	38.2830	39.2909	96.7164
2/25/01	12:00	42.5026	183.031	214.538	224.021	0.0	38.2908	39.2699	81.4200
2/25/01	13:00	42.5573	183.687	206.939	223.840	0.0	38.2593	39.3171	78.4200
2/25/01	14:00	42.6901	185.281	203.140	224.387	2.28375	38.2226	39.3566	69.4368
2/25/01	15:00	42.5885	184.063	198.404	224.326	0.0	38.2882	39.1912	66.9796

MMSD STORM EVENT SUMMARY

2/25/01	16:00	42.5651	183.781	191.635	223.593	0.0	38.2200	39.2384	54.4674
2/25/01	17:00	42.5156	183.188	188.745	223.678	0.0	38.1937	39.2621	42.9457
2/25/01	18:00	42.4010	181.812	185.046	222.165	0.0	38.2777	39.1019	38.5441
2/25/01	19:00	42.2786	180.344	181.931	222.306	0.0	38.2777	39.2253	31.3013
2/25/01	20:00	42.1536	178.844	177.539	222.137	0.0	38.2829	39.2647	19.3586
2/25/01	21:00	41.9687	176.625	173.220	221.478	0.0	38.2830	39.1886	13.9668
2/25/01	22:00	41.7994	174.594	172.562	224.006	0.0	38.3118	39.2857	13.5839
2/25/01	23:00	41.5469	171.562	169.064	222.938	0.0	38.2567	39.2331	3.12460
2/26/01	00:00	41.3333	169.000	164.475	222.647	0.0	38.3145	39.2332	2.63538
2/26/01	01:00	41.1119	166.344	158.105	223.038	0.0	38.2751	39.2909	2.35495
2/26/01	02:00	40.8352	163.187	130.085	195.826	0.0	38.0748	17.7087	2.07724
2/26/01	03:00	40.7708	162.479	107.493	216.409	0.0	36.5242	.015750	1.99356
2/26/01	04:00	40.6979	161.677	106.645	218.587	0.0	36.5557	0.0	1.74966
2/26/01	05:00	40.6250	160.875	105.364	222.553	0.0	36.5819	0.0	1.58888
2/26/01	06:00	40.5437	159.981	105.819	219.433	0.0	36.6722	0.0	2.83418
2/26/01	07:00	40.4557	159.013	116.695	219.734	0.0	38.3407	0.0	3.48144
2/26/01	08:00	40.3750	158.125	126.238	217.443	0.0	38.2173	0.0	4.07623
2/26/01	09:00	40.3333	157.667	125.427	215.144	0.0	31.6916	0.0	4.89905
2/26/01	10:00	40.3021	157.323	93.8826	212.400	0.0	0.0	0.0	5.01898
2/26/01	11:00	40.2656	156.922	131.051	217.931	0.0	38.2646	0.0	5.15440
2/26/01	12:00	40.1562	155.719	130.846	218.125	0.0	38.1727	0.0	5.49487
2/26/01	13:00	40.1120	155.232	130.698	211.456	0.0	38.2331	0.0	5.75969
2/26/01	14:00	40.0208	154.221	105.657	205.475	0.0	12.7260	0.0	9.73733
2/26/01	15:00	40.1146	155.260	94.7720	207.316	0.0	0.0	0.0	6.59863
2/26/01	16:00	40.0755	154.831	115.358	199.887	0.0	25.4283	0.0	5.86372
2/26/01	17:00	40.0052	154.039	127.731	195.418	0.0	37.9574	0.0	5.38138
2/26/01	18:00	39.9140	152.969	126.474	190.650	0.0	38.0756	0.0	5.36246
2/26/01	19:00	39.8368	152.042	125.518	187.054	0.0	38.1499	0.0	5.63674

MMSD STORM EVENT SUMMARY

Preparation date: 06-16-01 **Final**

Event number: 18

Weather Data

Start date / time of precipitation: 06-11-01 22:16
Stop date / time of precipitation: 06-12-01 07:00, also rained on 6/17, 6/18
Predicted precipitation quantity: 1.55, 48 hours
Recorded precipitation quantity: 2.6 inches for whole event

ISS Information

Volume reserved for SS when CS gates closed: 150 MG
Date / Time of CS gates closing: 06-12-01 07:55
Date / Time of CS gate reopening: 06-13-01 05:17 Start, 06-13-01 15:39 Last gate opened
Year to date CS gate closing events: 2

Date / Time of SS gate closing: none
Date / Time of SS gate reopening:
Volume in tunnel when SS gates reopened:
Year to date SS gate closing events:

Total (MG) pumped out for event: 716 mg.

Plant Diversions

Jones Island

Date / Time-diversion started: none
Date / Time-diversion stopped:
Type of diversion:
Volume (MG) diverted:

South Shore

Date / Time-diversion started: none
Date / Time-diversion stopped:
Type of diversion:
Volume (MG) diverted:

Comments:

Tunnel gate closing was directed by the computer's controlling algorithm. At the time of gate closing there was a high rate of separate sewage flow into the tunnel.

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)
06/11/89	22:00	21.2630	8.52602	127.133	130.834	0.0	0.0	28.5285	827.895
06/11/89	23:00	31.0442	60.8956	258.951	134.984	0.0	0.0	38.3354	985.820
06/12/89	00:00	33.9140	85.1404	247.612	135.584	0.0	0.0	38.1176	402.301
06/12/89	01:00	34.7395	93.4111	233.462	139.856	0.0	0.0	38.2357	259.639
06/12/89	02:00	35.5259	101.794	237.200	150.053	0.0	0.0	38.2646	330.637
06/12/89	03:00	36.3072	110.687	234.473	166.687	0.0	3.03450	38.2095	296.070
06/12/89	04:00	36.7603	116.078	266.834	174.087	0.0	37.8524	39.1046	491.866
06/12/89	05:00	40.5259	159.820	299.854	190.147	0.0	38.3617	40.1362	1318.69
06/12/89	06:00	43.9217	199.119	304.610	192.250	0.0	38.4536	40.1519	707.443
06/12/89	07:00	46.1014	223.117	302.523	192.540	0.0	38.2803	40.1703	775.710
06/12/89	08:00	48.2030	244.989	284.620	184.918	0.0	38.2252	40.0837	475.991
06/12/89	09:00	50.3801	264.463	232.538	180.284	0.0	15.9311	23.4727	412.383
06/12/89	10:00	52.6145	280.887	185.332	196.762	0.0	0.0	0.0	367.510
06/12/89	11:00	54.7811	295.451	208.534	199.288	7.22781	14.9052	15.0369	379.961
06/12/89	12:00	57.2083	307.679	277.038	193.997	36.4533	41.1678	41.0890	377.341
06/12/89	13:00	59.1380	316.059	268.171	184.597	36.0989	41.1284	41.2597	240.633
06/12/89	14:00	61.0676	322.945	263.703	189.109	35.9572	41.2308	41.0943	301.621
06/12/89	15:00	62.9739	328.921	260.576	186.766	35.8417	41.8687	42.3176	198.868
06/12/89	16:00	63.4895	330.468	262.821	192.965	35.9808	42.1417	42.6089	152.432
06/12/89	17:00	64.2472	332.741	266.809	188.868	36.0858	42.0341	43.3361	280.772
06/12/89	18:00	65.5597	336.679	264.104	188.759	35.5713	42.4330	44.2653	156.042
06/12/89	19:00	65.7264	337.179	258.870	192.315	34.9413	41.9501	44.2286	127.637
06/12/89	20:00	65.7107	337.132	258.030	191.872	35.0594	42.2703	43.9188	127.162
06/12/89	21:00	65.7290	337.186	251.500	188.259	35.0909	42.1233	44.2443	145.169
06/12/89	22:00	65.6378	336.913	237.365	190.090	34.8783	42.0131	44.2155	141.611
06/12/89	23:00	65.7732	337.278	233.839	188.565	35.1093	42.2231	44.2338	132.655
06/13/89	00:00	65.7107	337.067	229.716	187.090	35.1224	42.0813	44.2364	121.776
06/13/89	01:00	65.3462	336.038	225.186	187.056	35.0988	42.2283	44.0527	116.069
06/13/89	02:00	65.3956	336.186	218.905	185.590	35.0227	42.1732	44.0973	116.230
06/13/89	03:00	64.5727	333.718	214.758	184.065	35.0332	42.0734	44.1393	96.1000
06/13/89	04:00	63.8463	331.538	211.656	183.099	35.0778	42.0734	44.1761	90.6364
06/13/89	05:00	63.2161	329.648	208.475	183.690	34.9991	42.0604	44.0422	70.2971
06/13/89	06:00	62.2630	326.789	210.356	186.902	35.1566	42.0104	44.1944	85.2300
06/13/89	07:00	61.4687	324.406	216.623	193.531	35.2026	42.1498	44.1830	73.1685
06/13/89	08:00	60.9452	322.731	223.647	190.569	34.9833	42.0183	44.1603	97.9472
06/13/89	09:00	60.4322	320.728	228.724	185.684	34.9597	42.1968	44.2364	86.3920
06/13/89	10:00	59.5208	317.588	230.704	189.072	34.9886	42.2493	44.0606	81.4239
06/13/89	11:00	59.2681	316.805	232.684	190.631	34.9518	42.0918	43.5408	88.4450
06/13/89	12:00	58.8880	315.439	232.567	189.578	34.9938	42.0393	43.1575	92.9439
06/13/89	13:00	58.4346	313.172	232.173	193.882	35.1911	42.1641	43.2322	93.8764
06/13/89	14:00	57.8202	310.306	230.707	193.943	35.1592	42.1784	43.2153	79.8347
06/13/89	15:00	57.7499	309.950	227.258	184.853	33.5553	41.3148	42.4698	166.951
06/13/89	16:00	58.8098	314.687	228.922	190.353	33.1432	40.9316	42.1076	125.857
06/13/89	17:00	58.3749	312.879	232.143	190.018	34.1013	41.1468	42.1233	106.485
06/13/89	18:00	57.7291	310.056	234.845	192.500	34.2089	40.9316	42.2414	44.3678

MMSD STORM EVENT SUMMARY

06/13/89	19:00	56.7707	305.786	235.513	193.728	34.2063	41.0969	42.1837	53.1709
06/13/89	20:00	56.1275	302.637	233.238	193.603	34.2326	41.0024	42.2546	34.7368
06/13/89	21:00	55.3228	298.614	232.178	191.487	34.1959	41.0707	42.0026	35.1331
06/13/89	22:00	54.4530	293.718	231.026	186.590	34.0304	41.0995	42.1076	35.5892
06/13/89	23:00	53.7499	289.239	228.598	186.840	34.0672	41.1809	42.1390	33.3314
06/14/89	00:00	52.9817	283.871	224.011	186.547	34.0777	41.0943	42.0183	31.5413
06/14/89	01:00	52.3593	279.515	216.856	185.222	33.2456	40.2097	42.1889	30.0424
06/14/89	02:00	51.7369	275.158	212.093	184.350	33.2115	40.1152	42.0970	30.4393
06/14/89	03:00	51.1197	270.765	209.595	181.606	33.0749	40.0889	41.9789	29.1514
06/14/89	04:00	50.5780	266.202	207.444	180.275	33.1196	40.1835	42.1417	28.9130
06/14/89	05:00	49.9843	260.939	203.029	179.878	32.7993	40.0076	41.9396	29.2098
06/14/89	06:00	49.4739	256.791	203.474	186.778	31.9672	39.1334	41.2046	31.0819
06/14/89	07:00	48.8593	251.385	188.872	184.806	29.3028	29.1768	30.6049	32.2001
06/14/89	08:00	48.7734	250.661	218.473	182.456	31.5078	39.2752	41.0208	33.9295
06/14/89	09:00	48.2056	245.057	226.143	181.197	33.9176	39.1151	41.0051	33.0196
06/14/89	10:00	47.7759	240.760	230.237	181.831	34.0829	39.0967	41.1757	34.8111
06/14/89	11:00	47.3723	236.724	232.001	181.031	34.0409	39.2253	41.2597	33.9785
06/14/89	12:00	47.0129	233.104	229.806	180.353	33.0277	38.2724	41.2151	35.8385
06/14/89	13:00	46.6041	228.646	231.592	179.265	33.0828	38.2357	41.2413	38.4721
06/14/89	14:00	46.2343	224.578	229.041	179.125	32.1982	38.0178	40.4092	40.1514
06/14/89	15:00	45.9556	221.513	224.142	188.272	32.0801	38.2173	40.2412	41.6523
06/14/89	16:00	45.5155	216.672	224.012	187.940	32.0696	38.1569	40.2832	38.1403
06/14/89	17:00	45.1509	212.661	222.458	186.541	32.0381	38.2226	40.2701	39.3127
06/14/89	18:00	44.8984	209.882	219.720	186.181	32.1641	38.2462	40.0811	38.1216
06/14/89	19:00	44.4999	205.500	215.393	188.618	32.1063	38.2409	40.2018	35.4612
06/14/89	20:00	44.0962	201.060	206.562	186.978	32.0801	38.0966	40.1598	34.7108
06/14/89	21:00	43.7812	197.593	202.790	186.840	32.0538	38.1202	40.2412	34.3641
06/14/89	22:00	43.4973	194.471	201.664	187.187	31.8596	38.2515	40.2333	33.4510
06/14/89	23:00	43.0884	189.966	199.162	186.131	31.8281	38.2121	40.2307	33.6835
06/15/89	00:00	42.7395	185.875	194.781	184.650	32.0748	37.1988	40.2123	32.9054
06/15/89	01:00	42.5025	183.031	189.582	182.628	32.0827	37.1699	39.8606	30.4199
06/15/89	02:00	42.1093	178.312	184.357	184.989	32.0486	37.2067	39.1492	30.3278
06/15/89	03:00	41.7108	173.531	181.108	181.793	32.0197	37.2434	39.1991	29.1794
06/15/89	04:00	41.3905	169.687	178.057	187.853	32.2455	37.2513	38.7108	28.7908
06/15/89	05:00	40.9947	164.974	177.342	183.281	32.1431	37.1174	39.2174	27.7584
06/15/89	06:00	40.6822	161.505	178.755	178.484	31.9279	37.0151	39.1833	29.7702
06/15/89	07:00	40.5155	159.671	200.859	175.915	32.1063	37.1043	39.1912	169.097
06/15/89	08:00	40.8515	163.367	278.684	176.759	32.1221	37.3196	39.0547	168.349
06/15/89	09:00	40.9192	164.138	215.026	176.200	21.7612	27.7436	29.3606	54.0569
06/15/89	10:00	40.4921	159.414	228.003	173.187	32.1194	37.2749	40.3409	53.1820
06/15/89	11:00	40.3150	157.466	253.705	173.659	32.0407	37.2382	39.9734	86.3125
06/15/89	12:00	40.1900	156.091	262.599	173.469	32.0879	37.1699	39.0888	262.594
06/15/89	13:00	40.9739	164.760	308.177	177.243	32.1615	37.1647	39.2096	241.219
06/15/89	14:00	41.0077	165.117	254.847	180.365	26.7618	34.0934	39.2620	66.8771
06/15/89	15:00	40.9582	164.552	165.719	180.797	0.0	0.0	39.2253	48.2171
06/15/89	16:00	40.8775	163.653	152.067	180.959	0.0	0.0	39.1885	41.4171
06/15/89	17:00	40.7968	162.765	142.723	182.297	0.0	0.0	39.1702	40.7229
06/15/89	18:00	40.7681	162.450	138.080	182.922	0.0	0.0	39.3802	38.8916
06/15/89	19:00	40.6796	161.476	136.042	185.122	0.0	0.0	40.2911	39.4391
06/15/89	20:00	40.6093	160.703	132.327	186.034	0.0	0.0	40.2097	36.9363
06/15/89	21:00	40.5233	159.757	128.571	186.603	0.0	0.0	40.1729	36.2283

MMSD STORM EVENT SUMMARY

06/15/89	22:00	40.3775	158.125	134.965	186.684	0.0	9.33186	40.1231	35.8790
06/15/89	23:00	39.9322	152.997	160.429	184.700	0.0	37.2014	40.2832	35.6831
06/16/89	00:00	40.0025	153.992	158.218	181.790	0.0	37.2775	40.2491	34.0271
06/16/89	01:00	39.7812	151.375	154.016	178.425	0.0	37.2146	40.2412	32.6870
06/16/89	02:00	39.6041	149.250	149.649	175.222	0.0	37.3616	39.3618	31.9763
06/16/89	03:00	39.3801	146.562	145.126	171.381	0.0	37.2119	39.0809	30.5987
06/16/89	04:00	38.9921	141.906	142.919	166.197	0.0	37.2303	39.0127	30.4476
06/16/89	05:00	38.9114	140.937	139.522	161.615	0.0	37.2434	39.1885	29.2228
06/16/89	06:00	38.6926	138.312	141.643	157.774	0.0	37.1962	39.2174	29.7210
06/16/89	07:00	38.4791	135.750	140.690	159.338	0.0	37.2592	39.1492	30.3229
06/16/89	08:00	38.2577	133.093	144.387	155.045	0.0	37.3143	39.2568	31.8608
06/16/89	09:00	38.0416	130.508	149.688	148.099	0.0	37.2487	39.2227	32.3367
06/16/89	10:00	37.8306	128.138	155.724	148.603	0.0	37.2749	39.3066	34.3524
06/16/89	11:00	37.6301	125.932	160.246	146.728	0.0	37.2329	39.2568	34.2140
06/16/89	12:00	37.4530	123.984	162.553	148.262	0.0	37.2697	38.9681	34.4615
06/16/89	13:00	37.2577	121.836	161.493	151.281	0.0	37.2487	39.0442	35.2791
06/16/89	14:00	36.9556	118.427	161.009	154.755	0.0	37.2329	39.3198	33.8374
06/16/89	15:00	36.8463	117.156	164.261	158.259	0.0	37.2513	39.1308	34.4797
06/16/89	16:00	36.6353	114.625	165.541	157.906	0.0	37.2356	39.0993	33.3804
06/16/89	17:00	36.4139	111.969	165.580	155.472	0.0	37.2146	39.1623	33.1890
06/16/89	18:00	36.2082	109.500	167.066	153.062	0.0	37.1621	39.1728	31.7264
06/16/89	19:00	35.9947	106.974	167.949	150.740	0.0	37.3222	39.0678	31.9623
06/16/89	20:00	35.7681	104.450	168.177	148.853	0.0	37.3274	39.1807	32.2078
06/16/89	21:00	35.5520	102.073	159.969	146.626	0.0	37.1961	39.2804	32.5586
06/16/89	22:00	35.3176	99.4945	155.474	145.278	0.0	37.2408	39.0704	32.8132
06/16/89	23:00	35.0858	96.9450	157.723	145.350	0.0	37.1594	38.9864	32.2703
06/17/89	00:00	34.8671	94.6716	155.865	143.406	0.0	37.2644	38.9497	31.6313
06/17/89	01:00	34.6353	92.3539	155.273	140.475	0.0	37.3064	39.0914	29.8194
06/17/89	02:00	34.3983	89.9841	154.230	136.987	0.0	37.2303	38.9891	30.0342
06/17/89	03:00	34.1536	87.5362	150.047	131.450	0.0	37.2671	39.0731	28.6698
06/17/89	04:00	33.9139	85.1403	146.148	127.165	0.0	37.2959	39.0941	28.9531
06/17/89	05:00	33.5155	81.1560	144.074	122.512	0.0	37.3274	39.0862	28.1923
06/17/89	06:00	33.4166	80.1664	144.613	117.462	0.0	37.2513	39.1413	28.7473
06/17/89	07:00	33.1640	77.6404	145.627	112.975	0.0	37.3431	39.0809	27.7732
06/17/89	08:00	32.9088	75.0883	150.086	109.297	0.0	37.2277	39.2096	28.5105
06/17/89	09:00	32.6666	72.6664	156.671	107.637	0.0	37.1831	39.2095	29.8278
06/17/89	10:00	32.4062	70.0622	162.471	107.147	0.0	37.2093	39.2174	31.9986
06/17/89	11:00	32.1561	67.5622	166.598	107.378	0.0	37.2172	39.1361	33.5199
06/17/89	12:00	31.9036	65.2341	169.082	108.906	0.0	37.1726	39.0206	33.6949
06/17/89	13:00	31.5755	62.6040	169.358	116.341	0.0	36.7709	39.1833	35.5767
06/17/89	14:00	31.3958	61.1665	170.612	121.128	0.0	36.3326	38.9444	34.2617
06/17/89	15:00	31.1198	58.9583	168.152	125.416	0.0	36.1987	39.1649	34.5608
06/17/89	16:00	30.8698	56.9583	159.921	127.109	0.0	30.2321	39.1282	32.8242
06/17/89	17:00	30.7343	55.8749	128.898	127.531	-.03412	0.0	39.2542	33.1757
06/17/89	18:00	30.4531	53.6509	150.631	126.672	0.0	20.6430	39.2279	32.3154
06/17/89	19:00	30.3776	53.0207	133.301	126.425	0.0	5.87999	39.1308	32.1431
06/17/89	20:00	30.2474	51.9791	125.757	127.144	0.0	0.0	39.2305	32.6749
06/17/89	21:00	30.0885	50.7082	142.348	126.834	0.0	18.5745	38.8447	32.6540
06/17/89	22:00	29.8463	48.9244	163.962	126.362	0.0	36.3588	39.2410	56.8011
06/17/89	23:00	29.6875	47.8124	201.002	128.051	0.0	36.2564	39.2279	100.631
06/18/89	00:00	29.6458	47.5207	196.099	130.619	0.0	36.1961	39.1177	85.1624

MMSD STORM EVENT SUMMARY

06/18/89	01:00	29.4817	46.3723	178.237	132.939	0.0	36.1541	39.2804	54.1593
06/18/89	02:00	30.4973	54.7290	208.396	134.987	0.0	36.2460	39.1203	893.443
06/18/89	03:00	34.1770	87.7705	268.421	133.344	0.0	36.1829	39.1177	262.246
06/18/89	04:00	34.4374	90.3747	218.680	132.059	0.0	36.2617	39.1335	70.2669
06/18/89	05:00	34.3827	89.8279	203.267	133.365	0.0	36.2381	39.2778	65.0231
06/18/89	06:00	34.3176	89.1768	214.062	137.300	0.0	37.2697	40.3016	84.4096
06/18/89	07:00	34.2395	88.3956	202.950	143.078	0.0	37.1909	40.0811	81.6507
06/18/89	08:00	34.0806	86.8070	184.190	151.590	0.0	37.2855	33.5632	68.8447
06/18/89	09:00	34.0572	86.5726	178.489	164.509	2.72475	27.9195	38.7082	68.2540
06/18/89	10:00	33.8827	84.8278	221.064	177.800	31.0432	37.2198	39.1308	74.6687
06/18/89	11:00	33.7577	83.5778	216.557	187.512	31.0353	37.2880	39.1754	60.8914
06/18/89	12:00	33.5832	81.8330	212.263	181.678	31.0590	37.2067	39.1886	43.5884
06/18/89	13:00	33.3619	79.6195	208.544	187.975	31.0065	37.3117	39.0179	42.2446
06/18/89	14:00	33.0884	76.8851	207.886	187.653	31.0695	37.1725	39.1781	81.6513
06/18/89	15:00	32.8150	74.1508	205.904	191.503	30.9986	37.2015	39.2961	127.882
06/18/89	16:00	32.6535	72.5362	206.281	190.634	30.9461	37.0439	39.2673	50.1899
06/18/89	17:00	32.3124	69.1247	207.928	190.284	30.9933	36.6476	39.1781	40.9583
06/18/89	18:00	32.0963	66.9841	211.718	188.990	30.9934	36.7920	39.2962	41.9177
06/18/89	19:00	31.7421	63.9373	213.879	190.247	30.7597	36.6764	39.2594	41.0780
06/18/89	20:00	31.4296	61.4373	214.214	190.015	30.9015	36.6633	39.2306	41.2847
06/18/89	21:00	31.0651	58.5208	211.087	189.881	30.6862	36.7631	38.7554	40.5746
06/18/89	22:00	30.7474	55.9791	186.876	189.640	10.1535	36.1199	37.9391	38.2305
06/18/89	23:00	30.3099	52.5650	177.018	189.428	0.0	36.2643	38.2646	36.9116
06/19/89	00:00	30.2760	52.2082	175.014	188.168	0.0	36.3247	38.3538	35.3921
06/19/89	01:00	30.0156	50.1562	169.427	186.166	0.0	36.2433	38.2147	32.2481
06/19/89	02:00	29.7291	48.1041	164.428	184.094	0.0	36.1409	38.1464	31.0755
06/19/89	03:00	29.3567	45.4973	161.222	186.046	0.0	36.2958	38.1937	29.6442
06/19/89	04:00	29.1614	44.1301	158.061	185.737	0.0	36.2617	38.2095	28.9760
06/19/89	05:00	28.8281	41.7968	156.251	185.147	0.0	36.1856	38.2304	29.3450
06/19/89	06:00	28.2812	38.1718	159.892	182.340	0.0	36.2092	38.1517	29.0566
06/19/89	07:00	28.1562	37.0937	166.468	174.190	0.0	36.2197	38.2042	32.5502
06/19/89	08:00	27.8750	35.3749	174.159	165.809	0.0	36.3168	38.2514	32.5012
06/19/89	09:00	27.5963	33.9817	161.673	157.228	0.0	18.0967	37.8892	33.6323
06/19/89	10:00	27.4192	33.0962	145.473	152.156	0.0	0.0	38.2593	33.3588
06/19/89	11:00	27.1823	31.8437	147.489	150.550	0.0	0.0	38.1963	35.1471
06/19/89	12:00	27.2031	32.0155	147.358	150.375	0.0	0.0	38.2777	35.5299
06/19/89	13:00	27.0729	31.3645	146.141	151.278	0.0	0.0	37.8682	36.1653
06/19/89	14:00	26.9505	30.7030	145.348	151.990	0.0	0.0	38.2751	33.9173
06/19/89	15:00	26.8541	30.1249	143.235	152.015	0.0	0.0	38.1281	33.9463
06/19/89	16:00	26.7317	29.3905	140.559	151.497	0.0	0.0	38.2567	31.7360
06/19/89	17:00	26.5989	28.5937	139.537	151.537	0.0	0.0	38.1963	31.0330
06/19/89	18:00	26.4531	27.7187	139.714	150.119	0.0	0.0	38.2462	33.2033
06/19/89	19:00	26.3359	27.0156	139.927	149.909	0.0	0.0	38.2121	33.8477
06/19/89	20:00	26.2031	26.2187	139.514	149.144	0.0	0.0	38.2331	34.7441
06/19/89	21:00	26.0546	25.3281	137.748	147.812	0.0	0.0	38.2016	34.4147
06/19/89	22:00	25.9296	24.7187	135.988	147.090	0.0	0.0	38.2278	34.8097
06/19/89	23:00	25.7838	24.1354	135.164	145.618	0.0	0.0	38.2068	33.6942
06/20/89	00:00	25.6224	23.4895	130.627	144.825	0.0	0.0	38.2016	32.4216
06/20/89	01:00	25.4505	22.8020	124.948	142.762	0.0	0.0	38.2567	30.4433
06/20/89	02:00	25.3020	22.2083	120.743	140.228	0.0	0.0	38.2856	29.8626
06/20/89	03:00	24.9375	20.7499	116.853	137.021	0.0	0.0	38.2514	29.1095

MMSD STORM EVENT SUMMARY

06/20/89	04:00	24.9088	20.6354	112.558	131.659	0.0	0.0	38.1464	28.8266	-0.0
06/20/89	05:00	24.6953	19.7812	126.331	125.947	0.0	14.7446	38.3013	28.4567	-0.0
06/20/89	06:00	24.1328	17.5312	150.032	121.422	0.0	35.2904	38.3013	28.3878	-0.0
06/20/89	07:00	23.5260	15.1041	156.835	118.509	0.0	35.3351	38.3407	31.8372	-0.0
06/20/89	08:00	23.0807	13.3802	165.598	116.300	0.0	35.2668	38.4116	32.7219	-0.0
06/20/89	09:00	22.4036	11.2213	153.120	114.516	0.0	26.4363	28.6020	33.4488	-0.0
06/20/89	10:00	22.3776	11.1380	102.209	114.775	0.0	0.0	0.0	32.5878	-0.0

MMSD STORM EVENT SUMMARY

Preparation date: 09-06-2001

Event number: 27 for 2001

Weather Data

Start date / time of precipitation: 08-25-2001 / 18:12

Stop date / time of precipitation: 08-25-2001 / 20:12

Predicted precipitation quantity: 1.15 in.

Recorded precipitation quantity: 0 .92 in average with large variation:

Description	Inches	MODCOMP Inches
MILWAUKEE HARBOR	2.14	
25TH & CANAL ST.	1.80	1.80
97TH & EDEN PL	1.50	1.50
38TH & LINCOLN AV.	1.46	
88TH & LISBON AVE.	1.24	1.24
2ND & LINCOLN	1.15	1.15
TEUTONIA & CUSTER	1.11	1.11
36TH & FONDULAC	1.10	1.10
84TH & O'CONNOR	1.04	1.04
13TH & COLLEGE AVE.	1.02	1.02
ELM GROVE	0.96	0.96
13TH & BODEN CT.	0.95	0.95
SOUTH SHORE TP	0.74	0.74
41ST & VERA	0.53	0.53
84TH & FLORIST	0.50	0.50
HALES CORNERS	0.48	0.48
PARK & BARTLET AVE.	0.43	0.43
GRANVILLE & DONNA	0.27	
MENOMONEE FALLS	0.20	0.20
PIONEER RD		
BROADWAY & WELLS		
average (inches)	.98	0.92

ISS Information

Volume reserved for SS when CS gates closed: 200 mg.

Date / Time of CS gates closing: 08-25-2001 / 19:02

Date / Time of CS gate reopening: 08-25-2001 / 19:49

Year to date CS gate closing events: 3

Date / Time of SS gate closing: NONE

Total (MG) pumped out for event: 339 mg.

MMSD STORM EVENT SUMMARY

Plant Diversions

Jones Island

Date / Time-diversion started: NONE

South Shore

Date / Time-diversion started: NONE

Comments:

The unusually rapid fill rate of the tunnel requires 5-minute data to see rate of change. In 25 minutes (18:35 – 19:00) the tunnel level went from 2 MG to 192 MG with another 8 MG already beyond the control gates and on the way into the tunnel. This fill rate caused the computer algorithm to automatically shut the combined gates. Immediate indications were the tunnel was moving quickly to a tunnel full status and the algorithm predicted the gates needed to be closed. After the gate closure (7:02 PM) the tunnel volume fluctuation indicates severe turbulence of level in tunnel.

Management review before gate closure concurred with the algorithm's decision. The facts supported the algorithm decision to close combined gates, prevent tunnel over-fill and allow room for separate sewage. Ongoing review of the event promptly recognized conditions allowed controlled gate forty-seven minutes after gate closure. The gate opening began at 7:49 PM following the written standard procedures and was completed at 10:41.

MMSD STORM EVENT SUMMARY

Five Minute Data

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
25-Aug-01	16:55	19.50	5.500	141.0	106.4	0.0	35.34	35.44	27.07	0.0
25-Aug-01	17:00	19.13	5.125	139.1	107.6	0.0	35.31	35.91	27.55	0.0
25-Aug-01	17:05	19.13	5.125	136.7	105.7	0.0	35.31	35.41	27.55	.0012
25-Aug-01	17:10	19.13	5.125	136.2	106.8	0.0	35.31	35.41	28.40	.0043
25-Aug-01	17:15	18.69	4.375	137.4	105.0	0.0	35.41	35.69	27.71	.0075
25-Aug-01	17:20	18.69	4.375	139.5	102.6	0.0	35.41	35.69	27.71	.0150
25-Aug-01	17:25	18.69	4.375	139.1	106.9	0.0	35.41	35.69	27.52	.0231
25-Aug-01	17:30	18.69	4.375	139.7	107.1	0.0	35.41	35.69	29.52	.0406
25-Aug-01	17:35	18.19	3.375	137.6	105.9	0.0	35.37	35.82	32.41	.0662
25-Aug-01	17:40	17.88	2.937	136.8	106.4	0.0	35.37	35.82	75.38	.0812
25-Aug-01	17:45	17.88	2.937	136.1	102.3	0.0	33.61	35.82	104.5	.1050
25-Aug-01	17:50	17.66	2.828	138.6	105.0	0.0	34.21	35.88	169.4	.1319
25-Aug-01	17:55	17.66	2.828	138.4	103.2	0.0	34.21	35.88	139.8	.1619
25-Aug-01	18:00	17.66	2.828	136.7	105.9	0.0	34.21	35.88	151.2	.2013
25-Aug-01	18:05	16.91	2.453	137.8	108.3	0.0	34.11	35.88	385.3	.2300
25-Aug-01	18:10	16.88	2.437	138.4	103.8	0.0	34.11	35.88	688.3	.2406
25-Aug-01	18:15	16.88	2.437	137.4	101.6	0.0	34.87	35.88	1301.	.2419
25-Aug-01	18:20	16.88	2.437	135.2	102.0	0.0	34.87	35.88	2147.	.2694
25-Aug-01	18:25	15.78	1.927	135.0	102.8	0.0	34.18	35.94	3032.	.2969
25-Aug-01	18:30	15.78	1.927	138.7	104.7	0.0	34.18	35.94	3773.	.3462
25-Aug-01	18:35	14.88	1.625	167.9	102.6	0.0	33.86	35.94	5054.	.4194
25-Aug-01	18:40	22.22	10.66	170.5	103.0	0.0	35.06	0.0	5234.	.4775
25-Aug-01	18:45	29.34	45.41	186.6	102.4	0.0	34.11	0.0	4694.	.5231
25-Aug-01	18:50	35.47	101.2	237.9	102.5	0.0	34.40	0.0	3933.	.5856
25-Aug-01	18:55	39.59	149.1	265.9	101.4	0.0	33.86	0.0	4071.	.6219
25-Aug-01	19:00	43.31	192.4	276.8	106.5	0.0	35.22	0.0	3872.	.6756
25-Aug-01	19:05	43.09	190.0	274.8	102.2	0.0	35.60	0.0	1927.	.7450
25-Aug-01	19:10	42.09	178.1	279.6	103.3	0.0	36.60	0.0	198.3	.7988
25-Aug-01	19:15	41.09	166.1	277.8	102.2	0.0	35.91	0.0	175.8	.8200
25-Aug-01	19:20	40.44	158.8	274.3	103.8	0.0	36.51	0.0	170.6	.8313
25-Aug-01	19:25	43.12	190.4	268.4	103.8	0.0	36.51	0.0	188.3	.8450
25-Aug-01	19:30	43.12	190.4	277.0	104.3	0.0	36.51	0.0	184.5	.8556
25-Aug-01	19:35	42.19	179.3	255.7	104.0	0.0	36.29	0.0	196.5	.8669
25-Aug-01	19:40	42.12	178.5	252.4	108.8	0.0	36.29	0.0	189.8	.8738
25-Aug-01	19:45	42.12	178.5	262.1	104.9	0.0	36.29	0.0	180.2	.8806
25-Aug-01	19:50	41.69	173.3	257.4	104.9	0.0	36.29	0.0	794.3	.8869
25-Aug-01	19:55	42.69	185.3	251.9	104.7	0.0	36.13	0.0	1486.	.8913
25-Aug-01	20:00	43.69	196.6	256.3	112.4	0.0	36.13	0.0	694.8	.8994
25-Aug-01	20:05	43.66	196.2	251.8	108.7	0.0	36.13	0.0	608.5	.9050
25-Aug-01	20:10	43.66	196.2	248.5	104.8	0.0	36.13	0.0	570.8	.9088
25-Aug-01	20:15	43.31	192.4	250.4	103.7	0.0	35.15	0.0	554.8	.9106
25-Aug-01	20:20	44.66	207.2	252.0	105.4	0.0	36.16	0.0	535.2	.9119
25-Aug-01	20:25	44.66	207.2	245.3	105.5	0.0	36.16	0.0	452.0	.9138

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25-Aug-01 20:30	45.41	215.5	250.0	101.6	0.0	36.29	0.0	420.9	.9144
25-Aug-01 20:35	45.41	215.5	287.6	106.3	0.0	36.29	35.94	277.8	.9163
25-Aug-01 20:40	45.41	215.5	283.5	102.8	0.0	36.29	35.94	339.7	.9163
25-Aug-01 20:45	45.41	215.5	286.1	106.3	0.0	36.29	35.34	280.0	.9163
25-Aug-01 20:50	45.91	221.0	213.8	103.8	0.0	0.0	0.0	235.4	.9169
25-Aug-01 20:55	44.59	206.5	215.8	108.4	0.0	0.0	0.0	205.3	.9175
25-Aug-01 21:00	44.59	206.5	214.7	108.3	0.0	0.0	0.0	177.1	.9181
25-Aug-01 21:05	44.75	208.3	214.3	111.8	35.88	0.0	0.0	167.5	.9194
25-Aug-01 21:10	45.28	214.1	212.4	107.9	34.43	0.0	0.0	154.6	.9200
25-Aug-01 21:15	45.28	214.1	210.7	108.6	34.11	0.0	0.0	141.9	.9200
25-Aug-01 21:20	45.28	214.1	207.7	110.3	34.11	0.0	0.0	339.3	.9206
25-Aug-01 21:25	45.25	213.8	204.6	114.0	34.15	0.0	0.0	576.4	.9206
25-Aug-01 21:30	45.75	219.3	204.2	117.3	33.58	0.0	0.0	663.0	.9213
25-Aug-01 21:35	45.75	219.3	204.2	117.7	33.58	0.0	0.0	356.3	.9213
25-Aug-01 21:40	45.75	219.3	201.0	122.1	34.11	0.0	0.0	220.7	.9213
25-Aug-01 21:45	45.81	219.9	198.3	124.5	34.05	0.0	0.0	330.9	.9213
25-Aug-01 21:50	45.81	219.9	198.8	122.2	34.05	0.0	0.0	214.3	.9213
25-Aug-01 21:55	45.75	219.3	199.0	122.6	34.05	0.0	0.0	128.4	.9219
25-Aug-01 22:00	45.91	221.0	232.4	135.5	34.21	36.32	0.0	94.92	.9219
25-Aug-01 22:05	47.34	236.4	230.8	134.4	33.17	36.32	0.0	117.1	.9219
25-Aug-01 22:10	46.22	224.4	230.8	137.6	33.39	36.32	0.0	264.1	.9219
25-Aug-01 22:15	46.22	224.4	227.0	141.8	33.45	35.66	0.0	311.9	.9219
25-Aug-01 22:20	46.09	223.0	225.5	146.5	32.38	36.29	0.0	247.9	.9219
25-Aug-01 22:25	46.09	223.0	225.6	143.2	33.42	36.29	0.0	165.0	.9219
25-Aug-01 22:30	46.09	223.0	225.9	146.2	33.45	36.29	0.0	129.9	.9219
25-Aug-01 22:35	46.44	226.8	221.6	148.9	33.11	36.32	0.0	106.9	.9219
25-Aug-01 22:40	46.44	226.8	218.1	150.5	33.11	36.32	0.0	87.58	.9219
25-Aug-01 22:45	46.44	226.8	217.8	152.0	33.11	36.32	0.0	88.22	.9219
25-Aug-01 22:50	46.44	226.8	215.2	155.4	33.11	36.32	0.0	90.77	.9219
25-Aug-01 22:55	46.25	224.8	211.1	160.3	33.14	36.26	0.0	236.6	.9219
25-Aug-01 23:00	46.25	224.8	211.7	159.8	33.14	36.26	0.0	266.4	.9219
25-Aug-01 23:05	46.25	224.8	211.3	166.4	33.14	36.26	0.0	105.8	.9219
25-Aug-01 23:10	46.25	224.8	211.0	163.7	33.14	36.26	0.0	90.42	.9219
25-Aug-01 23:15	46.56	228.2	207.8	169.0	32.98	36.23	0.0	86.51	.9219
25-Aug-01 23:20	46.56	228.2	206.3	172.1	32.98	36.23	0.0	85.40	.9219
25-Aug-01 23:25	46.03	222.3	238.6	175.2	31.94	36.63	35.28	72.54	.9219
25-Aug-01 23:30	46.31	225.4	237.1	184.6	32.63	36.13	35.78	68.07	.9219
25-Aug-01 23:35	46.31	225.4	233.7	179.3	32.63	36.13	35.50	66.50	.9219
25-Aug-01 23:40	46.31	225.4	232.1	184.5	33.39	36.13	35.50	66.65	.9219
25-Aug-01 23:45	46.31	225.4	232.1	185.1	32.95	36.13	35.50	65.78	.9219
25-Aug-01 23:50	46.56	228.2	230.3	185.7	33.20	36.45	35.88	66.82	.9219
25-Aug-01 23:55	46.56	228.2	227.3	186.7	33.61	35.97	35.88	62.13	.9219
26-Aug-01 00:00	46.56	228.2	225.7	188.7	33.42	35.97	35.88	52.13	-0.0

MMSD STORM EVENT SUMMARY

Hourly Data

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
8/25/01	16:00	19.9401	6.07030	138.956	104.884	0.0	35.3534	35.7183	27.6662	0.0
8/25/01	17:00	18.4479	3.98176	137.927	105.381	0.0	35.0279	35.7235	59.7851	.053177
8/25/01	18:00	21.5208	27.0347	165.659	103.397	0.0	34.3192	23.9347	2872.11	.371145
8/25/01	19:00	42.2577	180.086	267.362	104.456	0.0	36.1777	0.0	797.033	.830885
8/25/01	20:00	44.6457	207.104	253.426	105.809	0.0	30.0851	8.93549	431.261	.912240
8/25/01	21:00	45.4218	215.640	205.810	115.603	31.3425	0.0	0.0	289.201	.920573
8/25/01	22:00	46.3306	225.609	223.472	146.028	33.2535	36.2512	0.0	161.737	.921875
8/25/01	23:00	46.3567	225.924	223.279	175.997	32.9778	36.2328	20.7769	91.9214	.921875
8/26/01	00:00	46.2994	225.294	215.699	186.512	33.3112	36.2145	35.7892	56.6403	-0.0
8/26/01	01:00	45.9817	221.799	194.413	183.928	33.0277	36.2355	35.8181	49.2102	-0.0
8/26/01	02:00	45.6353	217.989	181.152	182.640	33.1721	35.9834	35.7997	45.0378	-0.0
8/26/01	03:00	45.3202	214.523	171.351	183.365	33.2508	36.1541	35.7157	42.8705	-0.0
8/26/01	04:00	44.9999	211.000	168.636	181.287	32.3110	36.3037	35.7551	41.1765	-0.0
8/26/01	05:00	44.6353	206.989	179.165	182.656	32.1483	35.9939	35.8863	39.1689	-0.0
8/26/01	06:00	44.3228	203.552	194.604	177.715	32.2428	36.0123	35.9257	38.0076	-0.0
8/26/01	07:00	43.9999	200.000	192.989	170.359	32.1011	36.1357	35.7419	38.2506	-0.0
8/26/01	08:00	43.6874	196.562	194.437	161.606	32.1011	35.9021	35.6973	39.1935	-0.0
8/26/01	09:00	43.3671	193.039	198.448	160.394	32.1011	36.2092	35.7524	40.4415	-0.0
8/26/01	10:00	43.0572	189.609	204.208	156.690	32.0197	36.0202	35.7131	41.1824	-0.0
8/26/01	11:00	42.7525	186.031	209.843	151.547	32.2428	36.1567	35.7997	42.1122	-0.0
8/26/01	12:00	42.4400	182.281	211.883	149.522	32.1352	36.1409	35.9729	41.8993	-0.0
8/26/01	13:00	42.2499	180.000	185.028	146.756	31.5761	37.1306	8.93812	41.7929	-0.0
8/26/01	14:00	42.0025	177.031	200.828	144.456	31.0878	38.2225	25.5596	41.2838	-0.0
8/26/01	15:00	41.6379	172.656	210.457	140.809	31.1351	38.0782	38.2961	39.7833	-0.0
8/26/01	16:00	41.3202	168.843	206.814	135.337	31.0117	38.1911	38.2252	38.4356	-0.0
8/26/01	17:00	40.9947	164.979	204.621	130.751	30.9697	38.2226	38.0782	37.1952	-0.0
8/26/01	18:00	40.6718	161.390	203.554	122.691	31.1088	38.1806	38.2304	37.2588	-0.0
8/26/01	19:00	40.3306	157.638	203.066	114.381	31.1482	38.2488	38.3354	37.0024	-0.0
8/26/01	20:00	40.0311	154.307	202.485	115.655	31.1640	38.2331	38.0861	37.0362	-0.0
8/26/01	21:00	39.7108	150.531	203.333	124.400	31.0222	38.2515	38.1465	38.0885	-0.0
8/26/01	22:00	39.3827	146.593	202.276	127.384	31.2506	38.1753	38.1858	37.1602	-0.0
8/26/01	23:00	39.0780	142.937	199.376	123.209	31.1928	38.1149	38.1858	35.5318	-0.0
8/27/01	00:00	38.7499	139.000	195.667	122.222	31.0117	38.0309	38.2042	34.3959	-0.0
8/27/01	01:00	38.4035	134.843	189.737	118.125	30.8621	38.2304	37.7579	34.2446	-0.0
8/27/01	02:00	38.1093	131.317	182.343	115.425	30.3292	37.1253	37.3537	33.1568	-0.0
8/27/01	03:00	37.7941	127.737	177.058	111.791	30.3214	37.3327	37.1358	33.5756	-0.0
8/27/01	04:00	37.1587	120.544	147.936	106.081	29.9407	37.3353	12.4425	32.7905	-0.0
8/27/01	05:00	37.3046	122.351	156.583	97.5311	30.3528	37.0676	21.7140	33.0170	-0.0
8/27/01	06:00	36.9686	118.596	172.364	92.8905	30.1665	37.2775	37.2067	42.8325	.037552
8/27/01	07:00	36.8098	116.718	189.472	90.2717	4.92187	37.1935	37.2723	88.9504	.060833

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
8/27/01	08:00	36.7134	115.562	188.799	87.7311	0.0	37.2040	37.2854	52.3319	.061249
8/27/01	09:00	36.5051	113.062	152.572	86.5467	0.0	18.5902	28.0166	42.4091	.061249
8/27/01	10:00	36.5728	113.875	115.791	85.5300	0.0	12.4346	0.0	38.5777	.061249
8/27/01	11:00	36.5364	113.437	139.717	88.9874	0.0	37.2408	0.0	38.7186	.061249
8/27/01	12:00	36.4608	112.531	138.668	89.2030	0.0	37.1227	0.0	37.1719	.061249
8/27/01	13:00	36.4270	112.125	137.884	95.5217	0.0	37.2539	0.0	36.8647	.061249
8/27/01	14:00	36.3306	110.969	135.968	97.3561	0.0	37.0597	0.0	37.8504	.061249
8/27/01	15:00	36.2551	110.062	134.866	101.081	0.0	37.0991	0.0	37.8467	.061249
8/27/01	16:00	36.1978	109.375	131.635	88.4906	0.0	37.1515	0.0	36.3548	.061249
8/27/01	17:00	36.1197	108.437	130.667	92.8030	0.0	37.1673	0.0	35.9536	.061249
8/27/01	18:00	36.0259	107.323	129.910	90.8405	0.0	37.3169	0.0	36.1748	.061249
8/27/01	19:00	35.8098	104.909	128.635	83.2405	0.0	37.0466	0.0	36.5355	.061249
8/27/01	20:00	35.8775	105.653	129.051	87.9436	0.0	37.2565	0.0	35.5692	.061249
8/27/01	21:00	35.8098	104.909	128.214	85.4405	0.0	37.1857	0.0	35.7313	.061249
8/27/01	22:00	35.6926	103.620	156.486	87.6686	0.0	37.2093	28.0822	36.6480	.061249
8/27/01	23:00	35.4712	101.185	164.587	96.4718	0.0	37.1778	37.1988	35.5629	.061249
8/28/01	00:00	35.2551	98.8070	159.636	102.412	0.0	37.2119	37.2565	33.4709	-0.0
8/28/01	01:00	34.9426	95.4710	153.735	98.9061	0.0	37.2723	37.1516	31.9168	-0.0
8/28/01	02:00	34.7864	93.8643	149.473	98.1842	0.0	37.2329	37.3484	31.1012	-0.0
8/28/01	03:00	34.5624	91.6247	143.672	101.622	0.0	37.2539	37.2749	30.6074	-0.0
8/28/01	04:00	34.3072	89.0726	139.390	97.8499	0.0	37.1909	37.3064	29.9999	-0.0
8/28/01	05:00	34.0754	86.7550	138.683	95.4624	0.0	37.1962	37.2251	29.9905	-0.0
8/28/01	06:00	33.8410	84.4112	139.985	92.5843	0.0	37.2539	37.1699	30.6238	-0.0
8/28/01	07:00	33.5989	81.9893	148.540	90.3968	0.0	37.3248	37.1437	34.8044	-0.0
8/28/01	08:00	33.3749	79.7497	158.640	111.156	0.0	37.2697	37.3327	37.2072	-0.0
8/28/01	09:00	33.1822	77.8226	139.961	101.750	0.0	27.9378	21.7429	36.8059	-0.0
8/28/01	10:00	33.1379	77.3800	105.794	88.8749	0.0	0.0	18.7005	37.0516	-0.0
8/28/01	11:00	33.1119	77.1195	127.305	89.7999	0.0	0.0	37.3169	37.0903	-0.0
8/28/01	12:00	33.0285	76.2861	127.716	85.4436	0.0	0.0	37.2487	37.4953	-0.0
8/28/01	13:00	32.9556	75.5570	126.478	84.4655	0.0	0.0	37.1621	38.0055	-0.0
8/28/01	14:00	32.7186	73.1976	126.792	88.2467	0.0	0.0	37.2119	37.7933	-0.0
8/28/01	15:00	32.7838	73.8383	126.090	89.8342	0.0	0.0	37.3090	34.9169	-0.0
8/28/01	16:00	32.6770	72.7706	122.917	89.6717	0.0	0.0	37.1778	33.5881	-0.0
8/28/01	17:00	32.5910	71.9111	121.514	92.3342	0.0	0.0	37.3694	33.6896	-0.0
8/28/01	18:00	32.4973	70.9736	122.065	84.7905	0.0	0.0	37.2985	33.2220	-0.0
8/28/01	19:00	32.3958	69.9581	121.822	91.4103	0.0	0.0	37.2224	33.6256	-0.0
8/28/01	20:00	32.2994	68.9945	122.355	90.3999	0.0	0.0	37.1778	34.3070	-0.0
8/28/01	21:00	32.1926	67.9268	121.583	92.6842	0.0	0.0	37.2697	35.0027	-0.0
8/28/01	22:00	32.0546	66.5830	146.861	94.9717	0.0	24.7432	37.1568	33.7513	-0.0
8/28/01	23:00	31.7109	63.6873	157.840	97.8905	0.0	37.1935	37.1384	32.0049	-0.0
8/29/01	00:00	31.5260	62.2082	153.975	96.2561	0.0	37.2277	37.0623	30.8122	-0.0
8/29/01	01:00	31.2421	59.9374	149.164	95.0842	0.0	37.3143	37.2723	29.8178	-0.0

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
8/29/01	02:00	30.9635	57.7083	144.401	91.6998	0.0	37.2487	37.0859	28.9709	-0.0
8/29/01	03:00	30.6484	55.1874	139.547	90.8499	0.0	37.2513	37.2959	28.7970	-0.0
8/29/01	04:00	30.3437	52.7499	137.490	90.8509	0.0	37.2775	37.1516	28.1488	-0.0
8/29/01	05:00	30.0390	50.3332	134.983	79.3530	0.0	37.3038	37.0676	27.6827	-0.0
8/29/01	06:00	29.7265	48.0859	135.601	81.3186	0.0	36.3982	36.2722	28.9659	-0.0
8/29/01	07:00	29.4453	46.1171	121.157	78.4457	0.0	36.1908	14.9520	33.0148	-0.0
8/29/01	08:00	29.2343	44.6405	153.678	76.1968	0.0	36.2485	36.1278	35.8395	-0.0
8/29/01	09:00	28.9401	42.5806	153.867	75.1874	0.0	36.2591	30.0404	35.2775	-0.0
8/29/01	10:00	28.7656	41.3593	125.357	75.2749	0.0	36.1672	0.0	35.7304	-0.0
8/29/01	11:00	28.6614	40.6301	125.914	75.4498	0.0	36.2564	0.0	35.8952	-0.0
8/29/01	12:00	28.4088	38.9348	125.772	77.8530	0.0	36.2407	0.0	35.8261	-0.0
8/29/01	13:00	28.4323	39.0259	125.244	80.0405	0.0	36.1699	0.0	35.5889	-0.0
8/29/01	14:00	28.3177	38.2239	123.725	83.9530	0.0	36.1777	0.0	36.5389	-0.0
8/29/01	15:00	28.2083	37.4582	122.229	85.9530	0.0	36.1409	0.0	35.4880	-0.0
8/29/01	16:00	28.0807	36.5650	120.440	89.0123	0.0	36.1567	0.0	33.8677	-0.0
8/29/01	17:00	27.9427	35.7186	120.522	89.8936	0.0	36.2565	0.0	33.6725	-0.0
8/29/01	18:00	27.8046	35.0234	120.493	88.6937	0.0	36.1147	0.0	33.2361	-0.0
8/29/01	19:00	27.6692	34.3462	120.865	85.1186	0.0	36.2013	0.0	33.0467	-0.0
8/29/01	20:00	27.5286	33.6431	120.153	84.1530	0.0	36.2355	0.0	32.9987	-0.0
8/29/01	21:00	27.3880	32.9400	120.037	88.5249	0.0	36.2013	0.0	32.2295	-0.0
8/29/01	22:00	27.1614	31.8072	144.426	90.0165	0.0	36.2118	24.1736	32.1456	-0.0
8/29/01	23:00	26.7994	29.7968	153.545	91.6061	0.0	35.7262	36.2932	38.0802	-0.0
8/30/01	00:00	26.3854	27.3124	149.642	93.3124	0.0	35.2432	36.2643	31.0437	-0.0
8/30/01	01:00	25.9713	24.9791	146.300	92.3498	0.0	35.3481	35.9467	28.8125	-0.0
8/30/01	02:00	25.4375	22.7500	140.557	90.2186	0.0	35.2248	34.7576	28.9709	-0.0
8/30/01	03:00	25.1406	21.5625	103.556	88.2311	0.0	35.2091	2.91637	28.2750	-0.0
8/30/01	04:00	24.7005	19.8020	98.4481	84.2530	0.0	35.1513	0.0	27.1973	-0.0
8/30/01	05:00	24.7239	19.8958	96.2597	81.7999	0.0	35.2064	0.0	27.7462	-0.0
8/30/01	06:00	24.5104	19.0416	97.8457	74.9405	0.0	35.2117	0.0	28.3541	-0.0
8/30/01	07:00	24.2031	17.8125	129.775	74.1780	0.0	35.2904	24.0135	32.7288	-0.0
8/30/01	08:00	23.6823	15.7291	152.566	69.5061	0.0	35.3114	36.1961	35.1878	-0.0
8/30/01	09:00	23.0963	13.4166	149.294	71.8436	0.0	26.4757	36.2066	34.8915	-0.0
8/30/01	10:00	22.7760	12.3281	125.325	72.0196	0.0	0.0	36.2381	34.2949	-0.0
8/30/01	11:00	22.5520	11.6562	118.858	72.8717	0.0	8.82261	21.1627	34.6897	-0.0
8/30/01	12:00	22.3593	11.0781	124.986	77.4655	0.0	35.1776	0.0	33.0634	-0.0
8/30/01	13:00	22.1380	10.4140	125.857	78.4936	0.0	35.2826	0.0	33.2362	-0.0
8/30/01	14:00	21.8723	9.74477	124.917	78.5654	0.0	35.2826	0.0	35.0603	-0.0
8/30/01	15:00	21.6119	9.22393	125.726	79.2155	0.0	35.2143	0.0	35.1893	-0.0
8/30/01	16:00	21.2213	8.44269	122.258	81.8873	0.0	35.4296	0.0	34.1707	-0.0
8/30/01	17:00	21.0468	8.09373	120.824	82.1592	0.0	35.2091	0.0	34.0926	-0.0
8/30/01	18:00	20.7317	7.46352	121.390	83.0936	0.0	35.2511	0.0	35.2921	-0.0
8/30/01	19:00	20.4114	6.82290	121.532	83.8811	0.0	35.2012	0.0	32.2258	-0.0

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
8/30/01	20:00	19.9843	6.05207	119.062	84.4467	0.0	35.2379	0.0	31.4052	.006979
8/30/01	21:00	19.7760	5.77603	91.7822	87.1280	0.0	2.94000	0.0	91.7248	.048229
8/30/01	22:00	21.0052	8.01300	134.624	87.5280	0.0	0.0	20.7900	112.270	.073124
8/30/01	23:00	21.7265	9.45310	125.584	87.7842	0.0	0.0	23.1919	40.9489	.073124
8/31/01	00:00	21.8802	9.76039	98.4998	89.9311	0.0	0.0	9.02212	31.1597	-0.0
8/31/01	01:00	21.7526	9.50518	114.675	88.6218	0.0	0.0	36.3221	29.1837	-0.0
8/31/01	02:00	21.4244	8.84893	107.710	86.2998	0.0	0.0	35.7551	27.5411	-0.0
8/31/01	03:00	21.0416	8.08331	102.070	84.5092	0.0	0.0	35.8365	27.8655	-0.0
8/31/01	04:00	20.6041	7.20831	98.1575	82.4405	0.0	0.0	35.7839	26.8437	-0.0
8/31/01	05:00	19.4843	5.72047	96.2881	79.8374	0.0	0.0	35.8154	26.8496	-0.0
8/31/01	06:00	19.8958	5.89582	61.7747	77.3123	0.0	0.0	0.0	27.9888	-0.0
8/31/01	07:00	20.1067	6.21613	67.8878	73.3249	0.0	0.0	0.0	33.1908	-0.0
8/31/01	08:00	20.2916	6.61977	77.9242	71.6311	0.0	0.0	0.0	36.8882	-0.0
8/31/01	09:00	20.6302	7.26040	83.3227	70.1186	0.0	0.0	0.0	34.9355	-0.0
8/31/01	10:00	20.9973	7.99477	87.1977	69.5781	0.0	0.0	0.0	32.6048	-0.0
8/31/01	11:00	21.2291	8.45831	86.9907	70.4623	0.0	0.0	0.0	32.0336	-0.0
8/31/01	12:00	21.4401	8.88018	85.7706	73.7811	0.0	0.0	0.0	31.9036	-0.0
8/31/01	13:00	21.6197	9.23956	87.2446	77.6842	0.0	0.0	0.0	32.7314	-0.0
8/31/01	14:00	21.8333	9.66664	85.0987	80.3623	0.0	0.0	0.0	33.6848	-0.0
8/31/01	15:00	22.0156	10.0625	83.0454	83.2905	0.0	0.0	0.0	32.3530	-0.0
8/31/01	16:00	22.2083	10.6250	82.7967	82.8905	0.0	0.0	0.0	31.4384	-0.0
8/31/01	17:00	22.3828	11.1484	81.1196	83.2624	0.0	0.0	0.0	31.0982	-0.0
8/31/01	18:00	22.5364	11.6093	81.4555	83.1905	0.0	0.0	0.0	30.9930	-0.0
8/31/01	19:00	22.6770	12.0312	80.3878	84.2342	0.0	0.0	0.0	29.5606	-0.0
8/31/01	20:00	22.8073	12.4218	78.4295	86.7811	0.0	0.0	0.0	28.6448	-0.0
8/31/01	21:00	22.9453	12.8385	76.2068	87.6655	0.0	0.0	0.0	28.4595	-0.0
8/31/01	22:00	23.0390	13.1562	88.8567	84.2467	0.0	17.7319	0.0	28.9395	-0.0
8/31/01	23:00	22.8307	12.4922	104.351	82.9478	0.0	35.7262	0.0	27.5772	-0.0
9/1/01	00:00	21.7364	10.7260	102.698	81.3780	0.0	35.6763	0.0	26.1583	-0.0
9/1/01	01:00	12.9000	.900017	99.0925	79.0468	0.0	35.7971	0.0	26.2699	-0.0
9/1/01	02:00	14.3802	2.34376	96.5475	78.3050	0.0	35.6921	0.0	25.2356	-0.0

MMSD STORM EVENT SUMMARY

Preparation date: 04/17/02

Event number: 5 (2002)

Weather Data

Start date / time of event: 4/7/02 8:00
Stop date / time of precipitation: 4/9/02 10:00
Predicted precipitation quantity: initial prediction 0.8" in 48 hours
Recorded precipitation quantity: 1.8"

ISS Information

Volume reserved for SS when CS gates closed: 100 M.G.
Date / Time of CS gates closing: 4/9/02 03:42
See list in comment section.
Year to date CS gate closing events: 1

Date / Time of SS gate closing: Not closed
Date / Time of SS gate reopening: N/A
Volume in tunnel when SS gates reopened: N/A
Year to date SS gate closing events:

Total (MG) pumped out for event: 621 M.G.

Plant Flow During Event

<u>Date</u>	<u>Jones Island WWTP Flow</u>	<u>South Shore WWTP Flow</u>	<u>Total Plant Flow for Day</u>
4/7/02	133	79	212
4/8/02	199	137	336
4/9/02	297	170	467
4/10/02	253	175	428
4/11/02	222	176	398
4/12/02	201	163	364
4/13/02	172	140	312
4/14/02	159	123	282
Total Plant Flow for Event	1,636	1,163	2,799

MMSD STORM EVENT SUMMARY

Plant Diversions

Jones Island

Date / Time-diversion started: 4/8/02 16:55
Date / Time-diversion stopped: 4/10/02 06:00
Type of diversion: PE/ISS
Volume (MG) diverted: 88/7

South Shore

Date / Time-diversion started: None
Date / Time-diversion stopped: N/A
Type of diversion: N/A
Volume (MG) diverted: N/A

Comments:

April 9, 2002 Combined gate openings LMN-14:50-stopped bypassing, CT0304- 17:25-stopped bypassing, NS11-20:13-stopped bypassing, NS07-20:32-stopped bypassing, KK02-21:11, KK04-21:15, NS12-21:20, LMS-21:28, CT08-21:33, LMN-21:38, CT08-21:42, NS10-21:45, NS05-21:46

April 10, 2002 Combined gate openings KK01-06:45, NS08-06:57, CT07-06:58, KK03-06:59, CT0506-07:10

Jl effluent results for days of diversion:

Date	TSS	BOD	P	FC
4/8/02	23	20	.47	70
4/9/02	29	36	.57	220
4/10/02	13	25	.41	280

Jl diversion was at capacity from 4/8/02 19:00 to 4/9/02 3:45. Plant capacity limited tunnel pump operation during this period. Additional tunnel pumps were operated as plant capacity allowed.

Equipment failures affected full treatment capability. Major equipment failures included 5/6 of Jl grit system, 3 of Jl primary clarifiers and 2 SS primary clarifiers. Repairs promptly began and the causes/impacts of the failures were reported to the MMSD Technical Services Capital Project team.

SS capacity set at 141 MGD due to construction improvements.

SS capacity increased beyond rated capability once rain diluted wastewater was being received. Close monitoring allowed the peak capacity to be increased with risk minimized through extra monitoring and close control.

MIS storage capacity increased by overriding automatic diversion at 6th and Oklahoma west and increasing sewer level monitoring.

ISS pump overhaul (#3) was successfully completed in time for event and enhanced performance increased pump out rate.

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
04/07/90	17:00	23.9421	16.7687	89.2836	130.713	0.0	0.0	0.0	5.31536	.310416
04/07/90	18:00	23.8823	16.5291	131.752	132.647	0.0	0.0	38.8342	7.10544	.343593
04/07/90	19:00	23.6375	15.5499	197.053	133.150	0.0	0.0	42.2834	64.6803	.401614
04/07/90	20:00	23.7312	15.9249	240.360	133.472	0.0	0.0	42.2677	36.2035	.439478
04/07/90	21:00	23.8562	16.4249	239.128	134.550	0.0	0.0	42.2047	38.6521	.480468
04/07/90	22:00	23.9083	16.6333	240.745	135.006	0.0	0.0	42.3438	30.8808	.515519
04/07/90	23:00	23.9395	16.7583	222.901	137.278	0.0	0.0	28.1925	31.6244	.557707
04/08/90	00:00	24.2234	17.8937	197.759	139.637	0.0	0.0	0.0	30.3534	.015468
04/08/90	01:00	24.6323	19.5291	188.139	134.634	0.0	0.0	0.0	20.2771	.037812
04/08/90	02:00	24.9135	20.6541	160.565	136.300	0.0	0.0	0.0	12.8598	.042499
04/08/90	03:00	25.0880	21.3520	131.479	139.085	0.0	0.0	0.0	6.28560	.042499
04/08/90	04:00	25.2052	21.8208	108.096	140.819	0.0	0.0	0.0	4.35971	.042499
04/08/90	05:00	25.1896	21.7583	127.705	139.037	0.0	0.0	32.5316	4.25391	.042499
04/08/90	06:00	24.9291	20.7166	135.357	138.025	0.0	0.0	44.1918	3.85383	.042499
04/08/90	07:00	24.5932	19.3729	140.227	139.206	0.0	0.0	44.3021	3.90860	.042499
04/08/90	08:00	24.2468	17.9874	149.132	140.653	0.0	0.0	44.1944	4.46280	.042499
04/08/90	09:00	23.7286	15.9145	142.052	140.734	0.0	0.0	31.9173	4.25352	.042499
04/08/90	10:00	23.8588	16.4354	109.345	141.535	0.0	0.0	0.0	4.33192	.042499
04/08/90	11:00	23.9161	16.6645	107.233	138.704	0.0	0.0	0.0	4.22176	.052447
04/08/90	12:00	24.0281	17.1124	148.104	139.350	0.0	0.0	0.0	93.1228	.137187
04/08/90	13:00	25.1166	21.5437	238.886	140.918	0.0	0.0	0.0	327.867	.275572
04/08/90	14:00	28.1375	37.5311	252.903	143.515	0.0	0.0	0.0	328.139	.387864
04/08/90	15:00	30.2468	52.0613	249.044	137.853	0.0	0.0	0.0	240.151	.469686
04/08/90	16:00	31.5776	62.6978	246.574	140.978	0.0	0.0	0.0	239.397	.566040
04/08/90	17:00	32.9890	75.8904	242.307	138.372	0.0	0.0	0.0	295.802	.661925
04/08/90	18:00	34.3718	89.7185	236.940	138.587	0.0	0.0	0.0	330.902	.732030
04/08/90	19:00	35.8041	104.997	274.083	136.843	0.0	0.0	41.4198	432.437	.786613
04/08/90	20:00	37.1765	120.834	277.529	136.445	0.0	0.0	44.9347	366.119	.812967
04/08/90	21:00	38.2702	133.318	274.733	137.250	0.0	0.0	45.3442	380.926	.869425
04/08/90	22:00	40.0359	154.169	290.201	137.340	0.0	0.0	45.2287	604.355	.985623
04/08/90	23:00	42.5879	183.874	290.299	140.322	0.0	0.0	45.3311	722.742	1.09682
04/09/90	00:00	45.4083	215.491	285.896	136.480	0.0	0.0	45.3416	653.794	.031249
04/09/90	01:00	48.3666	246.405	289.421	129.975	0.0	6.21074	45.3127	556.500	.076562
04/09/90	02:00	51.0385	269.565	321.044	137.194	0.0	37.3747	45.2313	497.231	.123906
04/09/90	03:00	54.2572	292.124	320.941	139.244	0.0	37.3196	44.8087	470.485	.142135
04/09/90	04:00	57.5072	308.996	324.577	139.850	20.8661	37.1174	43.4542	376.504	.142500
04/09/90	05:00	60.5072	321.006	314.958	138.727	34.1932	39.2227	46.2577	353.685	.142500
04/09/90	06:00	64.1869	332.559	299.873	138.009	34.1801	39.4826	46.1553	328.483	.142500
04/09/90	07:00	67.5905	341.681	297.927	140.509	36.0937	40.2465	46.7801	326.959	.142500
04/09/90	08:00	71.0567	349.799	303.594	165.878	37.0754	41.8529	47.8799	334.519	.142500

MMSD STORM EVENT SUMMARY

04/09/90	09:00	72.8327	354.233	310.588	179.772	37.0807	42.1469	48.3472	178.224	.142968
04/09/90	10:00	74.4187	358.447	310.946	173.956	37.1279	42.3018	48.4181	257.732	.145625
04/09/90	11:00	76.0046	362.009	309.143	172.412	37.2723	42.5460	48.3131	246.090	.145625
04/09/90	12:00	77.1843	364.371	302.496	174.150	36.9232	43.0053	48.2763	217.268	.145625
04/09/90	13:00	78.6790	368.019	292.846	177.381	37.4561	43.2731	48.2317	198.308	.145625
04/09/90	14:00	79.3249	369.606	284.975	176.187	37.3248	43.2704	48.3393	186.363	.145625
04/09/90	15:00	80.0983	371.196	279.971	174.762	35.6054	43.2573	48.2816	176.608	.145625
04/09/90	16:00	80.9968	372.993	274.870	178.182	36.3063	43.2180	48.5021	195.466	.145625
04/09/90	17:00	81.3640	373.728	287.501	177.903	36.0596	43.9870	49.2686	155.394	.145625
04/09/90	18:00	81.9082	374.816	285.696	178.147	36.0071	43.8978	49.2869	122.108	.145625
04/09/90	19:00	81.1869	373.374	284.591	177.812	36.0989	44.1971	49.3342	125.219	.145625
04/09/90	20:00	81.6713	374.342	282.528	178.422	36.0176	44.0947	49.1609	342.008	.145625
04/09/90	21:00	81.7832	374.566	280.834	178.719	35.9624	44.1918	49.1924	132.796	.145625
04/09/90	22:00	81.7858	374.572	278.545	178.247	36.0648	44.2417	49.2449	117.470	.145625
04/09/90	23:00	81.1660	373.332	273.388	178.244	35.3062	44.0711	49.0848	107.461	.145625
04/10/90	00:00	80.5489	372.097	265.112	176.672	35.0857	44.1918	49.1190	104.934	-0.0
04/10/90	01:00	79.9082	370.816	256.709	176.059	35.0804	44.0894	49.3079	87.8003	-0.0
04/10/90	02:00	78.8822	368.539	252.051	176.064	34.8285	44.1944	49.3210	87.8575	-0.0
04/10/90	03:00	77.7989	365.726	247.002	175.412	32.9909	44.2443	49.2082	63.5709	-0.0
04/10/90	04:00	76.6296	363.259	242.855	174.647	33.0828	44.2259	49.1898	66.2388	-0.0
04/10/90	05:00	75.4967	360.977	241.007	173.644	33.1064	44.2417	48.6832	58.4431	-0.0
04/10/90	06:00	74.2624	358.027	243.123	174.169	33.0959	44.2443	48.1319	55.7391	-0.0
04/10/90	07:00	73.7624	356.699	253.345	175.113	33.1458	44.3493	48.2369	120.074	-0.0
04/10/90	08:00	73.4238	355.796	264.738	175.792	32.9935	44.2522	48.2028	51.8103	-0.0
04/10/90	09:00	72.2207	352.673	268.007	176.058	33.1432	44.1629	48.2264	55.5263	-0.0
04/10/90	10:00	71.0489	349.963	265.428	176.538	33.1589	43.3230	48.1188	56.8334	-0.0
04/10/90	11:00	69.9083	346.913	263.284	175.560	33.1038	43.0342	48.2264	58.9439	-0.0
04/10/90	12:00	68.7936	344.587	259.273	176.118	33.1589	43.3151	48.2658	50.4487	-0.0
04/10/90	13:00	67.7728	342.299	255.539	176.346	32.2297	42.2572	48.1267	64.8231	-0.0
04/10/90	14:00	66.7937	339.637	257.364	175.012	32.2743	42.3438	48.0821	49.0159	-0.0
04/10/90	15:00	65.5515	336.638	257.841	175.368	32.1326	42.1968	46.7250	43.9875	-0.0
04/10/90	16:00	64.4603	333.381	256.422	174.981	31.8464	42.2099	46.9454	50.3940	-0.0
04/10/90	17:00	63.1765	329.529	248.764	174.793	30.3004	40.2963	46.3443	29.6363	-0.0
04/10/90	18:00	62.0098	326.029	246.685	175.572	30.2400	40.1257	46.1973	42.4427	-0.0
04/10/90	19:00	60.9942	322.831	244.229	174.968	30.1927	40.2517	46.1055	48.4481	-0.0
04/10/90	20:00	60.0749	319.381	242.593	174.095	30.0851	40.3751	45.7747	40.0103	-0.0
04/10/90	21:00	59.0723	316.057	241.696	174.847	30.3004	40.2254	46.0634	42.7473	-0.0
04/10/90	22:00	58.2182	312.126	241.377	174.643	30.0877	40.1756	45.9689	34.5561	-0.0
04/10/90	23:00	57.3666	308.450	239.007	174.508	30.0615	39.6007	45.9479	37.3937	-0.0
04/11/90	00:00	56.5775	304.887	232.532	173.865	29.9460	39.2778	45.1815	29.2453	-0.0
04/11/90	01:00	55.7833	300.916	225.466	173.103	29.4078	39.1702	45.2366	29.5949	-0.0
04/11/90	02:00	55.0619	297.218	220.307	171.475	29.0246	39.0284	45.2550	23.2125	-0.0
04/11/90	03:00	54.3067	292.828	213.863	171.353	28.8330	39.3749	45.1631	13.5777	-0.0
04/11/90	04:00	53.5385	287.769	207.378	170.050	28.3920	38.8027	45.2549	12.0782	-0.0
04/11/90	05:00	52.8301	282.811	206.458	168.577	27.9720	37.8551	45.4230	11.6648	-0.0

MMSD STORM EVENT SUMMARY

04/11/90 06:00	52.1713	278.199	209.935	167.993	27.7804	38.3302	45.3285	12.3085	-0.0
04/11/90 07:00	51.5307	273.715	217.715	167.600	27.5074	38.2777	45.2969	15.6522	-0.0
04/11/90 08:00	51.0307	270.091	212.377	171.683	20.3910	38.2068	45.3704	21.0291	-0.0
04/11/90 09:00	50.5567	265.970	211.875	177.070	29.0902	28.7542	37.7370	20.2385	-0.0
04/11/90 10:00	50.1244	262.126	202.556	176.684	30.3765	25.3443	30.7203	20.6240	-0.0
04/11/90 11:00	49.7729	259.206	230.478	177.256	30.2951	38.4273	46.4545	21.3355	-0.0
04/11/90 12:00	49.3041	255.433	226.903	176.303	30.2137	37.7291	46.7643	28.4982	-0.0
04/11/90 13:00	49.0593	253.475	227.070	170.469	30.2269	37.2775	46.8011	80.8492	-0.0
04/11/90 14:00	48.8692	251.685	223.728	169.759	30.2137	37.2775	46.8562	58.8995	-0.0
04/11/90 15:00	48.5359	248.359	226.982	169.700	30.1218	37.2881	46.7958	15.6917	-0.0
04/11/90 16:00	48.0359	243.359	232.901	170.601	30.1665	37.3484	46.7171	13.7197	-0.0
04/11/90 17:00	47.6426	239.427	234.039	170.559	30.3003	37.2355	46.8037	14.0018	-0.0
04/11/90 18:00	47.1634	234.635	228.772	171.990	30.1560	37.1778	46.8195	13.5979	-0.0
04/11/90 19:00	46.7755	230.530	227.960	176.828	30.2715	37.2907	46.8877	14.1252	-0.0
04/11/90 20:00	46.2833	225.116	228.570	176.603	30.1166	37.2198	46.8168	14.0312	-0.0
04/11/90 21:00	45.9134	221.049	228.293	176.028	30.1560	37.2959	46.8116	14.0684	-0.0
04/11/90 22:00	45.4604	216.064	227.057	175.300	30.2059	37.2802	46.7040	14.0091	-0.0
04/11/90 23:00	45.0853	211.939	224.634	174.778	30.0300	37.1358	46.6514	13.2763	-0.0
04/12/90 00:00	44.6817	207.499	221.574	173.110	30.2767	36.2590	46.2551	11.9599	-0.0
04/12/90 01:00	44.3093	203.403	216.628	171.694	30.1533	36.2407	46.2577	11.3618	-0.0
04/12/90 02:00	43.9213	199.134	210.369	169.734	30.3056	36.4139	46.2341	11.5556	-0.0
04/12/90 03:00	43.5463	195.009	206.576	167.459	30.3345	36.3956	46.2262	11.0654	-0.0
04/12/90 04:00	43.1426	190.565	202.931	164.703	30.2111	36.3247	46.3810	10.8150	-0.0
04/12/90 05:00	42.7442	185.931	196.091	163.983	30.2137	36.2249	46.2236	11.2577	.000312
04/12/90 06:00	42.3744	181.493	191.594	162.315	30.2137	36.2958	46.4152	11.3351	.000624
04/12/90 07:00	41.9994	176.993	197.353	161.981	30.0956	36.2538	46.3495	12.8634	.003177
04/12/90 08:00	41.7338	173.806	161.973	161.403	30.0956	15.0937	19.3436	15.3270	.004374
04/12/90 09:00	41.4083	169.943	170.128	161.788	30.0378	18.1676	22.3965	13.4558	.004374
04/12/90 10:00	41.2390	167.868	210.710	163.575	30.2085	36.3536	44.2994	13.8194	.004374
04/12/90 11:00	40.8718	163.601	208.459	163.619	30.2557	36.2958	44.1498	17.3888	.004374
04/12/90 12:00	40.4838	159.322	207.389	164.278	30.2531	36.2643	44.2994	15.9490	.004374
04/12/90 13:00	40.1426	155.561	212.682	164.384	30.1822	36.2774	44.2837	15.4290	.004374
04/12/90 14:00	39.7729	151.274	210.349	164.591	30.3502	36.2617	44.3756	13.0790	.004374
04/12/90 15:00	39.4525	147.431	206.711	165.350	30.1271	36.3825	44.3651	12.6237	.004374
04/12/90 16:00	39.0723	142.868	204.276	168.062	29.7937	36.2275	44.3782	12.9107	.004374
04/12/90 17:00	38.7051	138.462	203.307	168.243	29.7570	36.1908	44.3677	12.3619	.004374
04/12/90 18:00	38.3718	134.462	202.539	167.966	29.7596	36.2145	44.1866	12.6610	.004374
04/12/90 19:00	38.0281	130.376	202.902	167.268	29.3238	35.9834	44.3677	12.2714	.004374
04/12/90 20:00	37.6739	126.413	202.019	167.706	29.0273	36.2197	44.3467	11.7528	.004374
04/12/90 21:00	37.3223	122.546	200.244	167.212	28.9222	36.3562	44.2916	12.0320	.004374
04/12/90 22:00	37.0489	119.530	170.408	166.343	0.0	36.4166	44.2732	11.1967	.004374
04/12/90 23:00	36.7572	116.087	189.082	165.381	22.1812	35.6028	43.4332	10.8379	.004374
04/13/90 00:00	36.5202	113.244	163.608	166.693	0.0	35.3245	43.2521	10.6503	-0.0
04/13/90 01:00	36.2520	110.025	158.956	165.584	0.0	35.3167	43.2258	10.5313	-0.0
04/13/90 02:00	35.9916	106.939	155.861	164.000	0.0	35.3902	43.3072	10.2934	-0.0

MMSD STORM EVENT SUMMARY

04/13/90 03:00	35.7312	104.043	153.005	161.506	0.0	35.3954	43.3334	9.19817	-0.0
04/13/90 04:00	35.4708	101.179	149.758	159.062	0.0	35.3902	43.3492	9.84192	-0.0
04/13/90 05:00	35.2025	98.2283	147.465	156.647	0.0	35.3981	43.2678	9.78856	0.0
04/13/90 06:00	34.9343	95.3559	151.466	151.630	0.0	35.3272	43.2914	9.91819	0.0
04/13/90 07:00	34.6843	92.8435	156.255	148.634	0.0	35.4296	43.3098	11.2152	0.0
04/13/90 08:00	34.2129	88.1300	159.912	146.803	0.0	35.3035	43.2573	11.4607	0.0
04/13/90 09:00	34.1400	87.4008	167.201	144.959	0.0	35.3114	43.2652	11.8867	0.0
04/13/90 10:00	33.8926	84.9268	176.340	141.619	0.0	35.3876	43.3466	12.7995	0.0
04/13/90 11:00	33.6140	82.1403	182.982	140.356	0.0	35.3849	43.2678	13.7086	0.0
04/13/90 12:00	33.3249	79.2497	187.968	140.456	0.0	35.4033	43.4726	13.5570	0.0
04/13/90 13:00	33.0515	76.5153	189.048	139.956	0.0	35.4007	43.3203	14.2845	0.0
04/13/90 14:00	32.7676	73.6768	187.191	136.694	0.0	35.4059	43.0210	13.5742	0.0
04/13/90 15:00	32.4968	70.9685	185.326	136.940	0.0	35.3718	43.3466	14.8665	0.0
04/13/90 16:00	32.1921	67.9216	182.479	141.934	0.0	35.3849	43.4174	13.4178	0.0
04/13/90 17:00	31.8823	65.0581	179.762	146.406	0.0	35.3534	43.4017	13.7033	0.0
04/13/90 18:00	31.5698	62.5582	180.547	146.112	0.0	35.4007	43.2389	13.1968	0.0
04/13/90 19:00	31.2494	59.9957	179.123	146.177	0.0	35.3062	43.3151	12.5820	0.0
04/13/90 20:00	30.9187	57.3499	177.854	145.931	0.0	35.3876	43.2626	12.8164	0.0
04/13/90 21:00	30.5828	54.6624	176.608	145.259	0.0	35.4244	43.3413	11.9037	0.0
04/13/90 22:00	30.2520	52.0165	174.304	146.828	0.0	35.3876	43.2626	11.6875	0.0
04/13/90 23:00	29.9109	49.3874	170.023	148.231	0.0	34.3953	42.3832	23.2375	0.0
04/14/90 00:00	29.5724	47.0066	167.249	148.190	0.0	34.3848	42.3438	11.1089	-0.0
04/14/90 01:00	29.1948	44.3634	162.496	146.615	0.0	34.3402	42.3176	10.6505	-0.0
04/14/90 02:00	28.7546	41.2827	159.076	144.972	0.0	34.2929	42.2441	10.8570	-0.0
04/14/90 03:00	28.4187	38.9311	155.162	142.687	0.0	34.3743	42.2756	10.6715	-0.0
04/14/90 04:00	27.8510	35.3530	151.055	140.025	0.0	34.3796	42.1364	12.2903	-0.0
04/14/90 05:00	27.5593	33.7968	148.003	137.831	0.0	34.3770	42.2414	21.6243	-0.0
04/14/90 06:00	27.1036	31.4979	146.522	135.150	0.0	34.3717	42.1286	19.6138	-0.0
04/14/90 07:00	26.6244	28.7468	147.781	132.278	0.0	34.4189	42.3018	10.5119	-0.0
04/14/90 08:00	26.1166	25.7124	151.532	129.731	0.0	34.4084	42.2782	19.9151	-0.0
04/14/90 09:00	25.6036	23.4145	158.018	127.253	0.0	34.3979	42.3254	13.5133	-0.0
04/14/90 10:00	24.9786	20.9145	166.972	124.578	0.0	34.3796	42.3491	14.9993	-0.0
04/14/90 11:00	24.3458	18.3833	175.547	122.272	0.0	34.4006	42.2861	15.7573	-0.0
04/14/90 12:00	23.6817	15.7270	179.824	123.481	0.0	34.3271	42.2729	15.6208	-0.0
04/14/90 13:00	22.9291	12.8562	181.456	124.047	0.0	34.3717	42.2624	15.6381	-0.0
04/14/90 14:00	22.0307	10.1859	179.179	124.669	0.0	34.3323	42.1338	15.7434	-0.0
04/14/90 15:00	21.0020	8.00413	176.498	126.078	0.0	33.3112	41.2072	15.5810	-0.0
04/14/90 16:00	19.7651	5.84998	175.324	127.553	0.0	33.4109	41.3306	25.0855	-0.0
04/14/90 17:00	17.9057	3.33566	172.265	128.709	0.0	33.2640	41.1389	15.7632	-0.0
04/14/90 18:00	15.0724	1.64420	128.122	129.669	0.0	13.9046	17.0782	22.8229	.017864
04/14/90 19:00	15.8510	1.95564	105.176	130.581	0.0	0.0	0.0	20.1460	.023802
04/14/90 20:00	16.5307	2.26536	108.075	131.422	0.0	0.0	0.0	15.9289	.028749
04/14/90 21:00	17.0646	2.53228	116.002	133.778	0.0	0.0	0.0	97.1737	.096249
04/14/90 22:00	18.3927	3.96847	195.128	138.594	0.0	0.0	30.9619	59.6868	.111875
04/14/90 23:00	19.2859	5.28592	175.948	139.225	0.0	0.0	41.2781	16.1692	.111875

MMSD STORM EVENT SUMMARY

Preparation date: 8/23/02

Event number: 22

Weather Data

Start date / time of precipitation: 08/12/2002 17:41

Stop date / time of precipitation: 08/13/2002 20:42

Predicted precipitation quantity: 3.2" (after multiple adjustments, initial 24 hr prediction was .0.48" and the 48 hr prediction was 0.63"

Recorded precipitation quantity: 3.43" (large variation throughout the area)

ISS Information

Volume reserved for SS when CS gates closed: 125

Date / Time of CS gates closing: 08/12/2002 22:42

Date / Time of CS gate reopening: See Comments

Year to date CS gate closing events: 2

Date / Time of SS gate closing: none

Date / Time of SS gate reopening:

Volume in tunnel when SS gates reopened:

Year to date SS gate closing events: 0

Total (MG) pumped out for event: 481 mg as of 08/17/2002 14:48

Plant Flow During Event

<u>Date</u>	<u>Jones Island WWTP Flow</u>	<u>South Shore WWTP Flow</u>	<u>Total Plant Flow for Day</u>
8/12/02	110	60	170
8/13/02	256	202	458
8/14/02	235	211	446
8/15/02	203	215	418
8/16/02	174	91	265
8/17	135	76	211
Total Plant Flow for Event	1,113	885	1,968

Note, flow signal from SS is not being sent to CCS records correctly due to construction. SS flows are reported from SS records.

MMSD STORM EVENT SUMMARY

Plant Diversions

Jones Island

Date / Time-diversion started: 8/12/02 23:20
Date / Time-diversion stopped: 8/13/02 06:35
Type of diversion: ISS
Volume (MG) diverted: 10.9

Date / Time-diversion started: 8/13/02 16:20
Date / Time-diversion stopped: 8/14/02 04:45
Type of diversion: ISS
Volume (MG) diverted: 31.4

South Shore

Date / Time-diversion started: 8/13/02 02:30
Date / Time-diversion stopped: 8/13/02 12:00
Type of diversion: PE
Volume (MG) diverted: 34

Comments:

On 8/13 the following gates were reopened: KK02-7:18, KK04-7:18, LMS-7:47, CT02-7:47, NS05-8:56, CT0304-8:56, NS07-9:29, NS04-9:29, KK01-9:52, NS06-9:52, CT07-11:14, KK03-11:14, CT0506-11:50. The tunnel went back in SS only mode at 14:26 and the gates closed.

On 8/14 the gates were reopened as follows: 2:28-KK02, 02:42-NS12, 02:49-LMS, 03:23-CT02, 03:31-LMN, 03:35-CT08, 03:48-NS10, 04:12-NS11, 04:16-CT0304, 04:29-NS07, 05:07-NS06, 05:21-KK01, 06:21-NS08, 07:00-NS09, 07:19-CT07, 10:25-KK03, 11:20-CT0506

ISS Diversions were used at Jones Island to maximize pumpage out of the tunnel. High plant flows along with ISS pumpage caused hydraulic capacity problems, which necessitated need for diversion

SS ran new bar screens in manual, with all in service, and this was first rain event where units stayed in with out failure

SS was hit hard early in event. Heavy, black loadings necessitated PE diversion from washing out secondary plant.

Equipment failures at JI prelim facility continued to give problems at high flows. 3 of 6 grit units plugged up. Grit carry over to primaries caused 3 of 8 clarifiers to plug. Primary sludge screening also continues to cause a problem with lack of available equipment.

Jl effluent results for days of diversion:

Date	TSS	BOD	P	FC
8/13/02	18	9.9	.64	300
8/14/02	9.5	6.5	.26	170

SS effluent results for days of diversion:

Date	TSS	BOD	P	FC
8/13/02	95	65	2.2	24,000

MMSD STORM EVENT SUMMARY

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	J.I. Influent Flow (MGD)	S.S. Influent Flow (MGD)	S.S Influent Flow (pi data)(MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
8/12/02	17:00	19.7453	5.74530	92.2641	95.2030	72	0.0	0.0	0.0	6.95172	.003125
8/12/02	18:00	19.9250	5.92968	91.1209	95.2124	74	0.0	0.0	0.0	23.1763	.095208
8/12/02	19:00	20.1099	6.21978	84.5050	95.2562	76	0.0	0.0	0.0	387.121	.465053
8/12/02	20:00	29.2401	54.3770	207.592	95.2217	78	0.0	0.0	0.0	1871.34	.956304
8/12/02	21:00	40.5395	159.922	221.694	95.2625	81	0.0	15.8366	0.0	1295.82	1.38121
8/12/02	22:00	46.9276	229.519	249.539	95.2999	96	0.0	39.8291	33.1222	1447.96	1.82872
8/12/02	23:00	52.3989	279.792	290.690	95.2374	128	32.2796	43.1287	44.1183	194.825	2.07195
8/13/02	00:00	52.3416	279.391	290.486	95.1124	187	26.0925	43.1339	43.1471	145.709	.001406
8/13/02	01:00	52.3182	279.227	279.804	95.2405	222	2.74575	43.1654	44.2443	112.806	.003177
8/13/02	02:00	51.6958	274.870	258.705	95.2936	226	32.8203	43.0710	18.4432	28.7141	.005260
8/13/02	03:00	51.5578	273.904	224.887	95.1998	222	33.0723	43.0552	18.6952	10.4816	.005624
8/13/02	04:00	50.8963	268.936	234.714	95.2498	220	33.9307	43.1523	45.0082	10.1631	.005729
8/13/02	05:00	50.2583	263.338	224.958	94.9249	221	34.2090	43.2206	45.1342	9.69039	.007291
8/13/02	06:00	49.7166	258.733	216.680	94.8092	217	34.2483	43.1891	45.2418	19.1337	.007499
8/13/02	07:00	49.1984	254.570	213.908	94.8936	214	33.4057	42.6404	45.1421	36.3611	.007499
8/13/02	08:00	49.2192	254.718	176.732	94.8561	212	32.1746	42.1469	7.51275	74.8890	.007499
8/13/02	09:00	49.2844	255.275	196.625	94.6998	192	31.8045	41.5590	25.6016	30.8443	.019531
8/13/02	10:00	49.5812	257.700	213.216	94.6123	230	30.9960	42.1470	43.7902	80.8246	.027968
8/13/02	11:00	49.8234	259.612	215.655	93.3061	202	31.0826	41.8214	43.1024	104.080	.028124
8/13/02	12:00	49.7218	258.774	214.459	87.9530	197	31.1797	42.1076	43.1864	9.91455	.028124
8/13/02	13:00	49.2922	255.337	211.733	95.0842	194	31.3267	42.1706	43.3177	9.60156	.028177
8/13/02	14:00	48.8104	250.961	201.567	95.1092	203	12.9491	42.0262	17.9839	60.9207	.205937
8/13/02	15:00	49.3056	255.455	274.979	94.9601	217	0.0	42.0038	7.80913	51.3991	.691363
8/13/02	16:00	49.1802	254.441	329.378	86.6749	218	23.5226	42.0472	43.1864	45.2477	.733124
8/13/02	17:00	48.8390	251.350	304.696	87.8280	207	31.5289	41.9842	43.2494	21.8749	.733124
8/13/02	18:00	49.5890	257.262	279.504	85.6561	206	31.5315	41.7269	43.2311	217.301	.736822
8/13/02	19:00	49.9172	260.472	262.667	78.5999	210	31.3950	41.6981	43.2390	28.7660	.950210
8/13/02	20:00	49.5083	257.066	338.198	84.9905	198	31.7073	41.5274	43.2626	164.165	1.31813
8/13/02	21:00	49.8547	259.854	335.656	85.9967	200	31.6102	41.7532	42.9974	313.818	1.35860
8/13/02	22:00	50.4094	264.690	313.363	81.9499	195	31.4842	41.6561	43.2048	342.708	1.35876
8/13/02	23:00	51.1203	270.705	306.895	82.9467	188	31.4554	41.6508	43.1340	291.426	1.35902
8/14/02	00:00	51.4770	273.339	287.650	85.2936	198	32.0040	41.8346	43.3124	229.726	-0.0
8/14/02	01:00	51.9145	276.401	263.432	85.8561	200	32.2717	42.1364	44.0973	201.289	-0.0
8/14/02	02:00	52.3364	279.355	252.566	77.9249	194	32.1641	42.0393	44.1052	143.386	-0.0
8/14/02	03:00	52.6984	281.888	246.285	65.9843	190	32.2376	42.2152	44.3178	142.165	-0.0
8/14/02	04:00	52.9979	283.985	237.986	64.5905	188	32.2638	43.0841	45.1499	93.5225	-0.0
8/14/02	05:00	52.9312	283.518	231.944	68.4900	190	31.9914	43.0479	45.1080	40.4927	-0.0
8/14/02	06:00	52.7791	282.454	231.902	63.7624	192	31.6496	43.0945	45.2024	16.8294	-0.0
8/14/02	07:00	52.3182	279.227	235.239	63.7780	191	31.8517	43.0920	45.0292	57.6866	-0.0
8/14/02	08:00	51.8286	275.800	238.339	63.7718	190	31.7310	43.0867	45.2759	73.7605	-0.0
8/14/02	09:00	51.5447	273.813	242.850	63.6593	190	31.6339	42.6588	45.1184	71.1715	-0.0
8/14/02	10:00	51.1567	270.983	244.509	63.7530	190	31.5472	43.1261	45.1394	40.3633	-0.0
8/14/02	11:00	50.6854	267.168	231.617	63.7187	190	31.6863	43.2731	33.9045	21.3671	-0.0
8/14/02	12:00	50.3885	264.496	198.097	63.4093	189	31.5630	43.2310	0.0	8.77611	-0.0
8/14/02	13:00	50.1906	262.723	227.936	63.6531	205	31.6260	43.1681	26.3786	9.23852	-0.0

MMSD STORM EVENT SUMMARY

8/16/02	15:00	31.8468	64.7749	176.375	63.7405	99	0.0	43.2546	41.2623	7.00849	0.0
8/16/02	16:00	31.5239	62.1916	178.277	63.7624	100	0.0	43.2337	41.0969	6.84198	0.0
8/16/02	17:00	31.0916	58.7332	176.941	63.7624	101	0.0	43.1681	41.1337	7.00332	0.0
8/16/02	18:00	30.8130	56.5041	173.318	63.6999	102	0.0	43.2179	41.2676	7.04001	0.0
8/16/02	19:00	30.4484	53.5874	173.065	63.6718	103	0.0	43.2836	41.2019	7.00545	0.0
8/16/02	20:00	30.0760	50.6259	171.597	63.7874	103	0.0	43.2809	41.2596	6.87873	0.0
8/16/02	21:00	29.6958	47.8707	169.143	63.7874	102	0.0	43.1943	41.1941	7.03275	0.0
8/16/02	22:00	29.2896	45.0270	167.231	63.7499	101	0.0	43.1838	41.8293	7.00770	0.0
8/16/02	23:00	28.8729	42.1103	167.602	63.7874	101	0.0	43.2231	42.2939	6.64378	0.0
8/17/02	00:00	28.3703	38.6775	164.851	63.7687	100	0.0	43.2441	42.2178	6.53270	-0.0
8/17/02	01:00	27.9692	35.9400	162.410	63.4718	99	0.0	43.2678	42.2598	6.69883	-0.0
8/17/02	02:00	27.3469	32.6489	158.734	63.7812	96	0.0	43.2442	42.2099	5.80687	-0.0
8/17/02	03:00	26.9666	30.7489	154.055	63.7062	94	0.0	43.1654	42.1994	6.66973	-0.0
8/17/02	04:00	26.4224	27.5343	150.652	63.7437	91	0.0	43.1759	42.2309	6.73533	-0.0
8/17/02	05:00	25.6489	23.6364	146.338	63.7874	88	0.0	42.1679	41.3463	6.98493	-0.0
8/17/02	06:00	25.2375	21.9500	145.220	63.7499	83	0.0	42.2021	41.2754	7.41270	-0.0
8/17/02	07:00	24.3781	18.5125	146.929	63.7687	79	0.0	42.1732	41.2177	6.72847	-0.0
8/17/02	08:00	23.7766	16.1151	149.854	63.6218	76	0.0	42.1286	41.2386	11.2454	.014791
8/17/02	09:00	23.0500	13.2802	176.176	63.6655	76	0.0	42.3359	41.1311	29.5591	.046874
8/17/02	10:00	22.2297	10.7312	194.188	63.7874	76	0.0	42.2467	41.2466	8.62403	.046874
8/17/02	11:00	21.0943	8.18852	181.526	63.8593	81	0.0	42.1889	41.1941	6.58496	.046874
8/17/02	12:00	19.7766	5.91301	173.921	63.6437	86	0.0	42.1968	41.2334	5.38714	.046874
8/17/02	13:00	17.8729	3.28489	167.732	63.7593	91	0.0	41.0864	37.5086	6.12976	.046874
8/17/02	14:00	15.4458	1.84843	124.497	63.6437	93	0.0	32.4345	0.0	6.09578	.046874
8/17/02	15:00	15.4146	1.80486	89.9530	63.7374	97	0.0	0.0	0.0	5.99952	.046874
8/17/02	16:00	16.1542	2.07829	88.9125	63.6812	100	0.0	0.0	0.0	7.07275	.046874

MMSD STORM EVENT SUMMARY

8/14/02	14:00	49.4172	256.337	241.289	63.7124	203	31.7021	43.1234	45.2103	8.37755	-0.0
8/14/02	15:00	48.8885	251.810	239.526	63.6780	200	31.8228	43.0657	45.2523	20.1120	-0.0
8/14/02	16:00	48.4458	247.458	234.546	63.6625	197	31.5918	43.2022	45.1683	8.74340	-0.0
8/14/02	17:00	47.9953	242.953	229.444	63.7624	194	31.6260	42.2913	45.2156	8.72020	-0.0
8/14/02	18:00	47.4588	237.588	226.371	63.7499	190	31.5945	42.0524	45.2969	8.56447	-0.0
8/14/02	19:00	47.0187	233.127	224.836	63.7187	187	31.7703	42.0708	44.9294	8.89317	-0.0
8/14/02	20:00	46.5578	228.136	222.998	63.6405	186	31.7782	42.1601	45.2156	8.19682	-0.0
8/14/02	21:00	46.0369	222.407	203.822	63.7405	183	10.5656	42.2808	45.1788	8.24552	-0.0
8/14/02	22:00	45.7869	219.657	206.412	63.7530	182	19.4355	42.2441	44.4884	10.3316	-0.0
8/14/02	23:00	45.2297	213.526	216.752	63.7437	193	33.0198	42.0498	44.7483	7.71155	-0.0
8/15/02	00:00	44.9015	209.917	212.583	63.7468	187	33.0566	41.8897	44.7221	7.16897	-0.0
8/15/02	01:00	44.4770	205.248	209.702	63.5968	193	33.1222	42.2309	44.7510	7.58105	-0.0
8/15/02	02:00	44.0414	200.456	204.991	63.6545	186	33.0692	42.1927	44.5581	6.27864	-0.0
8/15/02	03:00	43.6281	195.909	199.864	63.7749	180	33.1222	42.1496	44.7431	8.58608	-0.0
8/15/02	04:00	43.1984	191.183	195.448	63.5937	180	33.2141	41.9921	44.3336	9.61324	-0.0
8/15/02	05:00	42.9562	188.462	193.279	63.8249	166	33.1931	41.8398	44.7795	6.27469	-0.0
8/15/02	06:00	42.3051	180.662	196.522	63.7905	154	33.1196	41.4618	44.7929	9.00011	-0.0
8/15/02	07:00	41.9874	176.850	200.652	63.7874	142	32.9962	42.2414	44.8848	12.5582	-0.0
8/15/02	08:00	41.6411	172.693	189.011	63.7874	129	33.1826	24.6303	43.7666	14.4630	-0.0
8/15/02	09:00	41.3702	169.443	180.949	63.7031	120	33.1379	13.1827	43.1077	13.8003	-0.0
8/15/02	10:00	41.0838	166.017	204.002	63.7374	116	32.9726	37.5505	38.5874	16.1703	-0.0
8/15/02	11:00	40.5343	159.812	205.900	63.6468	115	33.1222	37.1332	38.1884	15.4282	-0.0
8/15/02	12:00	40.4406	158.847	208.161	63.7781	116	32.9489	37.2277	38.7239	15.8096	-0.0
8/15/02	13:00	40.0994	155.090	211.001	63.7530	117	33.1117	37.2460	42.2493	16.4774	-0.0
8/15/02	14:00	39.7765	151.319	209.936	63.7000	116	33.1799	37.2881	42.2519	15.8306	-0.0
8/15/02	15:00	39.4484	147.381	206.223	63.7812	105	33.0487	37.0912	42.2624	10.7967	-0.0
8/15/02	16:00	39.0812	142.975	208.268	63.4875	112	33.0644	37.1069	42.3333	8.34209	-0.0
8/15/02	17:00	38.7114	138.537	211.200	63.7249	121	33.1694	37.2487	42.1942	8.50500	-0.0
8/15/02	18:00	38.2817	133.421	208.349	63.7093	120	33.0592	37.1306	42.0761	8.35328	-0.0
8/15/02	19:00	38.0135	130.190	206.546	63.5780	117	33.2219	37.2251	42.1312	8.15885	-0.0
8/15/02	20:00	37.6229	125.852	206.575	63.6687	117	33.1143	37.1279	42.2441	11.8981	-0.0
8/15/02	21:00	37.2843	122.128	205.180	63.6093	116	33.1301	37.0964	41.9684	7.60863	-0.0
8/15/02	22:00	36.9640	118.554	182.948	63.7405	116	8.15324	39.5324	42.2729	7.02024	-0.0
8/15/02	23:00	36.4770	112.763	190.635	63.4812	116	13.6710	44.3414	42.1574	7.36338	-0.0
8/16/02	00:00	36.2374	109.850	206.704	63.7437	115	32.1982	44.3204	42.1627	7.13961	-0.0
8/16/02	01:00	35.7869	104.684	204.004	63.7374	113	31.8307	43.9949	41.9868	10.4388	-0.0
8/16/02	02:00	35.4640	101.105	202.216	63.7374	110	31.5682	43.7954	41.7164	6.57041	0.0
8/16/02	03:00	35.0578	96.6654	194.913	63.6062	107	31.6286	43.7193	42.0918	6.73816	0.0
8/16/02	04:00	34.6437	92.4372	189.359	63.6937	104	26.1660	44.2574	42.4462	7.30069	0.0
8/16/02	05:00	34.4562	90.5624	157.823	63.7312	100	0.0	44.2102	42.2729	6.52158	0.0
8/16/02	06:00	33.9953	85.9529	165.130	63.7718	94	8.00098	44.1813	42.2073	8.32700	0.0
8/16/02	07:00	33.7010	83.0102	159.185	63.6530	92	0.0	43.7954	42.2231	11.8734	0.0
8/16/02	08:00	33.3104	79.1040	162.782	63.7187	89	0.0	43.2652	42.1102	12.7230	0.0
8/16/02	09:00	33.1671	77.6716	170.096	63.6780	88	0.0	43.2626	42.2861	13.9977	0.0
8/16/02	10:00	32.8781	74.7810	174.855	63.7155	88	0.0	43.2415	42.2310	14.2405	0.0
8/16/02	11:00	32.5838	71.8383	176.425	63.7468	90	0.0	43.2678	42.3202	13.8095	0.0
8/16/02	12:00	32.3546	69.6217	133.947	63.7843	93	0.0	21.6247	21.1391	13.9285	0.0
8/16/02	13:00	32.2895	68.9862	123.058	63.6750	95	0.0	18.0127	13.4137	14.1148	0.0
8/16/02	14:00	32.0968	67.0592	177.329	63.7593	97	0.0	43.3440	41.1862	13.8417	0.0

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	Jl Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Total ISS Pumpout (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
5/10/2004	13:00	18.3646	3.76042	93.3331	114.94333	0	0	0	0	9.62285	.026458
5/10/2004	14:00	18.6250	4.25000	87.7355	114.4075	0	0	0	0	11.4682	.157291
5/10/2004	15:00	20.6172	9.50520	175.823	114.69083	0	0	0	0	1025.84	.525885
5/10/2004	16:00	33.5755	82.1953	263.461	114.7	0	0	0	0	835.262	.723855
5/10/2004	17:00	37.2838	121.990	242.603	114.6	0	22.9425	0	22.9425	650.435	.896878
5/10/2004	18:00	39.9583	153.237	242.64	115.29167	0	37.8262	5.72249	43.54869	506.903	.970785
5/10/2004	19:00	41.2552	168.078	246.103	119.95333	0	37.0019	24.3075	61.3094	209.804	.976254
5/10/2004	20:00	41.8828	175.594	205.546	126.755	0	36.4796	8.16374	44.64334	148.437	.976775
5/10/2004	21:00	42.2812	180.375	179.186	154.01417	0	37.0256	8.22149	45.24709	113.943	.976879
5/10/2004	22:00	42.5312	183.375	157.81	196.60417	0	37.1647	5.69625	42.86095	89.0206	.976879
5/10/2004	23:00	42.6953	185.344	141.416	217.3725	0	36.9258	-0.0315	36.8943	58.7899	.976879
5/11/2004	00:00	42.7344	185.813	126.674	240.7825	0	37.5584	-0.0315	37.5269	45.5482	-0.0
5/11/2004	01:00	42.6719	185.062	118.082	256.37	0	37.1043	-0.0315	37.0728	39.9107	-0.0
5/11/2004	02:00	42.5677	183.813	110.885	264.16917	0	36.8497	-0.0315	36.8182	31.0759	.000364
5/11/2004	03:00	42.4219	182.063	106.483	264.30167	0	36.7289	-0.0315	36.6974	26.1025	.001875
5/11/2004	04:00	42.2786	180.344	103.397	264.14	0	36.5793	-0.0315	36.5478	23.0124	.001875
5/11/2004	05:00	42.0989	178.187	99.8381	264.14	0	35.6684	-0.0315	35.6369	20.2731	.002031
5/11/2004	06:00	41.9036	175.844	100.092	264.14	0	35.3771	-0.0315	35.3456	18.5311	.002500
5/11/2004	07:00	41.7031	173.437	106.453	260.91167	0	35.1828	-0.0315	35.1513	20.5709	.002500
5/11/2004	08:00	41.5052	171.062	113.703	258.69	0	35.6475	-0.0315	35.616	20.2297	.002500
5/11/2004	09:00	41.3281	168.938	115.994	261.5125	0	35.881	-0.0315	35.8495	17.3206	.002500
5/11/2004	10:00	41.1119	166.346	114.312	263.64	0	35.8049	-0.0315	35.7734	16.0019	.002500
5/11/2004	11:00	40.8828	163.711	113.625	263.73167	0	35.6448	-0.0315	35.6133	16.2102	.002500
5/11/2004	12:00	40.6667	161.333	115.363	263.74	0	35.5766	-0.0315	35.5451	16.1486	.002500
5/11/2004	13:00	40.4557	159.013	116.031	264.52333	0	35.4926	-0.0315	35.4611	15.8575	.002500
5/11/2004	14:00	40.2187	156.406	117.14	264.68	0	35.5424	-0.0315	35.5109	15.3587	.002500
5/11/2004	15:00	39.9765	153.698	116.868	264.08583	0	35.4926	-0.0315	35.4611	14.8954	.002500
5/11/2004	16:00	39.7682	151.219	116.675	261.7625	0	35.3324	-0.0315	35.3009	11.3066	.002500
5/11/2004	17:00	39.5208	148.250	117.186	259.5	0	35.2852	-0.0315	35.2537	7.53581	.002500
5/11/2004	18:00	39.2995	145.594	116.713	258.42	0	35.1566	-0.0315	35.1251	9.27255	.002500
5/11/2004	19:00	39.0364	142.437	116.571	256.67333	0	34.9177	-0.0315	34.8862	9.10471	.002500
5/11/2004	20:00	38.8203	139.844	115.074	254.06	0	34.7392	-0.0315	34.7077	9.20130	.002500
5/11/2004	21:00	38.6015	137.219	113.319	252.41	0	34.7549	-0.0315	34.7234	7.67102	.002500
5/11/2004	22:00	38.3541	134.250	111.192	251.3475	0	34.1223	-0.0315	34.0908	8.29517	.002500
5/11/2004	23:00	38.1276	131.531	107.714	250.46	0	33.6446	-0.0315	33.6131	7.43205	.002500
5/12/2004	00:00	37.8620	128.482	101.675	249.90333	0	33.9176	-0.0315	33.8861	5.77337	-0.0
5/12/2004	01:00	37.6458	126.104	96.368	246.85333	0	34.1407	-0.0315	34.1092	5.59193	-0.0
5/12/2004	02:00	37.4114	123.526	88.4865	244.0575	0	34.041	-0.0315	34.0095	5.64863	-0.0
5/12/2004	03:00	37.1563	120.719	85.2456	241.19	0	34.0147	-0.0315	33.9832	5.55071	-0.0
5/12/2004	04:00	36.9141	117.969	83.855	238.15083	0	33.6393	-0.0315	33.6078	5.40672	-0.0
5/12/2004	05:00	36.6979	115.375	82.1987	232.91	0	33.5737	-0.0315	33.5422	5.20495	-0.0
5/12/2004	06:00	36.4505	112.406	83.075	228.94833	0.00525	27.825	-0.0315	27.79875	6.50193	-0.0
5/12/2004	07:00	36.3021	110.625	94.9084	225.10833	0	0	-0.0315	-0.0315	7.39667	-0.0
5/12/2004	08:00	36.1432	108.719	108.026	217.95	0	27.2107	-0.0315	27.1792	8.62713	-0.0
5/12/2004	09:00	35.8802	105.682	113.653	213.0625	0	36.0228	-0.0315	35.9913	9.60830	-0.0
5/12/2004	10:00	35.6979	103.677	113.864	206.00083	0	0	-0.0315	-0.0315	9.32585	-0.0
5/12/2004	11:00	35.6079	102.688	113.309	201.41	0	0	-0.0315	-0.0315	21.2617	-0.0
5/12/2004	12:00	35.4817	101.300	113.201	200.47833	0	32.2638	-0.0315	32.2323	10.6767	-0.0
5/12/2004	13:00	35.2370	98.6067	111.834	196.56083	0	34.9859	-0.0315	34.9544	10.0629	-0.0
5/12/2004	14:00	34.9401	95.4088	112.38	182.55833	0	35.0831	-0.0315	35.0516	10.6804	-0.0
5/12/2004	15:00	34.7005	93.0051	108.846	183.33667	0	35.1933	-0.0315	35.1618	10.5677	-0.0
5/12/2004	16:00	34.4479	90.4791	106.14	183.37	0	35.0831	-0.0315	35.0516	10.2288	-0.0
5/12/2004	17:00	34.2135	88.1354	106.096	183.995	0	34.9255	-0.0315	34.894	9.97822	-0.0
5/12/2004	18:00	33.9583	85.5833	109.799	185.93667	0	35.1854	-0.0315	35.1539	12.6762	.015156
5/12/2004	19:00	33.7396	83.3958	133.076	188.58833	0	35.1224	-0.0315	35.0909	27.7711	.030781
5/12/2004	20:00	33.4844	80.8436	128.986	188.62	0	34.8547	-0.0315	34.8232	12.7025	.031458
5/12/2004	21:00	33.2187	78.1875	114.936	186.71083	0	35.1828	-0.0315	35.1513	10.1163	.034479
5/12/2004	22:00	32.9531	75.5312	105.651	193.09333	0	34.789	-0.0315	34.7575	10.4317	.052291
5/12/2004	23:00	32.7135	73.1354	131.811	193.88	0	33.7601	23.4895	57.2496	45.1640	.117344
5/13/2004	00:00	33.1120	77.1197	241.871	193.64	0	33.7391	35	68.7391	343.649	.084374

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Total ISS Pumpout (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
5/13/2004	01:00	33.7109	83.1094	238.816	193.83333	0	34.8416	35	69.8416	115.490	.156771
5/13/2004	02:00	34.6146	92.3150	254.664	194.8825	0	35.3429	35	70.3429	533.570	.288541
5/13/2004	03:00	36.5521	113.643	270.408	198.9	0	36.3326	35.1667	71.4993	427.864	.459322
5/13/2004	04:00	37.7005	126.706	255.851	202.05333	0	36.7762	37	73.7762	165.694	.495311
5/13/2004	05:00	37.8594	128.453	236.588	205.43167	0	9.17436	37	46.17436	72.2090	.500624
5/13/2004	06:00	37.8177	127.995	217.543	210.615	0	24.234	37	61.234	27.4390	.500624
5/13/2004	07:00	37.6745	126.419	194.333	218.565	0	36.1856	37	73.1856	26.3656	.500624
5/13/2004	08:00	37.5234	124.758	187.862	229.81	0.00525	9.07199	37	46.07724	31.9220	.500624
5/13/2004	09:00	37.4479	123.927	184.091	243.02083	0	27.0112	37	64.0112	74.5491	.500624
5/13/2004	10:00	37.5599	125.159	178.468	254.52417	0	35.6553	37	72.6553	109.426	.500624
5/13/2004	11:00	37.6849	126.534	175.359	262.205	0	35.7026	37	72.7026	79.0172	.500624
5/13/2004	12:00	37.6042	125.646	173.694	266.57	0	35.7288	37	72.7288	37.3489	.500624
5/13/2004	13:00	37.4141	123.544	171.05	271.22333	0	35.5372	37	72.5372	32.1087	.500624
5/13/2004	14:00	35.0000	99.6666	168.746	277.42	0	35.2511	37	72.2511	33.4983	.500624
5/13/2004	15:00	36.7604	116.125	166.54	282.07333	0	35.6081	37	72.6081	33.4364	.500624
5/13/2004	16:00	36.5989	114.253	161.763	282.49417	0	35.6868	37	72.6868	100.692	.577916
5/13/2004	17:00	43.0312	185.367	240.152	282.96417	0	37.3248	37	74.3248	2442.56	.836926
5/13/2004	18:00	51.8594	275.807	297.265	283.54	0	39.661	37	76.661	183.987	.901875
5/13/2004	19:00	52.5599	280.893	273.965	290.27	0	41.3515	37	78.3515	168.248	.906198
5/13/2004	20:00	53.7916	289.450	257.587	296.90583	0	42.2913	37	79.2913	142.435	.913750
5/13/2004	21:00	54.6562	294.937	242.211	291.82917	0	42.1653	37	79.1653	129.625	.913750
5/13/2004	22:00	55.0677	297.245	228.801	293.645	0	42.1653	37	79.1653	120.826	.913750
5/13/2004	23:00	55.3411	298.706	221.445	294.4275	0	42.1575	38.25	80.4075	103.476	.913750
5/14/2004	00:00	55.6770	300.385	220.067	297.09333	0	42.1417	42	84.1417	87.1462	-0.0
5/14/2004	01:00	55.7031	300.516	211.131	298.84	0	42.2388	42	84.2388	65.9335	.008489
5/14/2004	02:00	55.4765	299.328	210.129	295.34167	0	42.1942	42	84.1942	59.1550	.014375
5/14/2004	03:00	55.4219	299.109	206.424	292.7175	0	40.7111	42	82.7111	57.1870	.029062
5/14/2004	04:00	55.2526	298.263	209.226	286.30667	0	41.173	42	83.173	45.0662	.056718
5/14/2004	05:00	55.0937	297.469	205.212	285.39667	0	41.1652	42	83.1652	43.6763	.086197
5/14/2004	06:00	54.7344	295.406	214.989	289.82333	0	41.2413	42	83.2413	45.7336	.161198
5/14/2004	07:00	54.5286	294.172	305.106	287.56333	0	41.2281	42	83.2281	70.3386	.358801
5/14/2004	08:00	54.6380	294.771	317.632	287.34	0	41.223	38.4999	79.7229	164.955	.640988
5/14/2004	09:00	56.3594	303.635	309.391	293.63583	0	0	37.7999	37.7999	259.449	.811612
5/14/2004	10:00	59.1094	315.573	312.796	295.57667	0	0	37.7999	37.7999	355.872	.959686
5/14/2004	11:00	65.9036	336.971	285.408	295.87667	0	0	9.44999	9.44999	436.113	1.08281
5/14/2004	12:00	75.1588	359.748	299.633	291.785	0	0	28.35	28.35	444.824	1.13266
5/14/2004	13:00	87.6093	382.237	305.905	296.08	0	0	37.7999	37.7999	339.309	1.14286
5/14/2004	14:00	100.805	392.401	300.959	300.705	0	0	37.7999	37.7999	42.3007	1.14375
5/14/2004	15:00	99.3179	391.659	287.797	308.46667	0	0	37.7999	37.7999	29.8696	1.14380
5/14/2004	16:00	97.6335	390.816	276.302	309.18167	0	0	37.7999	37.7999	29.5038	1.14438
5/14/2004	17:00	95.8889	389.944	268.856	294.2025	0	0	37.7999	37.7999	30.5061	1.14438
5/14/2004	18:00	92.7578	388.374	261.828	290.43917	0	0	37.7999	37.7999	27.2450	1.14438
5/14/2004	19:00	90.7500	386.750	259.728	286.82	0	0	37.7999	37.7999	25.3597	1.14438
5/14/2004	20:00	88.6119	384.612	257.22	280.65417	0	0	37.7999	37.7999	23.8256	1.14438
5/14/2004	21:00	87.0364	383.036	254.048	277.63	0	0	37.7999	37.7999	23.0828	1.14438
5/14/2004	22:00	85.9818	381.817	247.335	273.455	0	0	37.7999	37.7999	23.4528	1.14438
5/14/2004	23:00	84.8125	379.828	237.259	270.08	0	0	37.7999	37.7999	21.8042	1.14438
5/15/2004	00:00	83.7916	378.526	223.597	266.55333	0	0	37.7999	37.7999	19.4320	-0.0
5/15/2004	01:00	82.8724	376.745	207.125	271.10667	0	0	37.7999	37.7999	16.6932	-0.0
5/15/2004	02:00	81.9244	374.849	198.524	270.71	0	0	37.7999	37.7999	14.9940	-0.0
5/15/2004	03:00	81.2265	373.453	194.206	266.49667	0	0	37.8999	37.8999	13.5311	-0.0
5/15/2004	04:00	80.3229	371.646	189.862	274.48333	0	0	38.3999	38.3999	12.1610	-0.0
5/15/2004	05:00	79.6406	370.281	188.633	278.95083	0	0	38.3999	38.3999	10.5080	-0.0
5/15/2004	06:00	79.0051	368.914	187.93	275.4175	0	0	38.3999	38.3999	10.0340	-0.0
5/15/2004	07:00	78.3984	367.195	188.136	274.2275	0	0	38.3999	38.3999	18.3438	-0.0
5/15/2004	08:00	78.4453	367.336	189.026	273.48417	0	0	38.3999	38.3999	31.2313	-0.0
5/15/2004	09:00	78.2109	366.635	197.846	270.83	0	0	38.3999	38.3999	15.4855	-0.0
5/15/2004	10:00	76.8541	363.471	200.257	276.78333	0	0	38.3999	38.3999	25.9035	-0.0
5/15/2004	11:00	76.6744	363.182	199.087	277.445	0	0	38.3999	38.3999	28.0979	-0.0
5/15/2004	12:00	76.8515	363.703	197.917	277.69	0	0	38.3999	38.3999	30.5232	-0.0

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5/15/2004	13:00	76.7291	363.458	194.796	277.67167	0	0	38.3999	38.3999	24.4262	-0.0
5/15/2004	14:00	76.1562	362.312	189.737	288.71833	0	0	38.3999	38.3999	18.4982	-0.0
5/15/2004	15:00	74.8463	359.208	189.525	292.705	0	0	38.3999	38.3999	80.2848	-0.0
5/15/2004	16:00	76.4166	362.815	190.376	295.23	0	0	38.3999	38.3999	90.3489	-0.0
5/15/2004	17:00	77.7838	365.701	187.416	294.49667	0	0	38.3999	38.3999	45.2326	-0.0
5/15/2004	18:00	78.0703	366.424	187.237	293.47	0	0	38.3999	38.3999	34.6450	-0.0
5/15/2004	19:00	78.2005	366.695	186.913	293.44333	0	0	38.3999	38.3999	39.8923	-0.0
5/15/2004	20:00	77.7942	365.781	184.305	289.92333	0	0	38.3999	38.3999	19.4051	-0.0
5/15/2004	21:00	77.1927	364.385	182.852	288.95083	0	0	38.3999	38.3999	9.93852	-0.0
5/15/2004	22:00	77.1849	364.370	180.706	288	0	0	38.3999	38.3999	102.086	-0.0
5/15/2004	23:00	77.2031	364.456	178.139	283.96333	0	0	38.3999	38.3999	63.6915	-0.0
5/16/2004	00:00	77.7687	365.937	174.606	282.59	0	0	38.3999	38.3999	88.9936	-0.0
5/16/2004	01:00	76.6	370.6	143.3805	280.73583	0.0	0.0	40.0	40.0129	29.9	Missing
5/16/2004	02:00	76.3	370.4	136.8913	283.21833	0.0	0.0	40.0	40.03974	28.7	Missing
5/16/2004	03:00	75.9	369.8	132.7432	288.37583	0.0	7.8	40.0	47.83766	44.7	Missing
5/16/2004	04:00	75.5	368.7	125.5305	283.59	0.0	34.0	40.0	73.96511	9.3	Missing
5/16/2004	05:00	75.1	365.5	151.6916	278.1975	0.0	43.1	40.0	83.13706	7.4	Missing
5/16/2004	06:00	74.8	362.4	141.5271	275.11667	0.0	42.7	42.0	84.681	7.9	Missing
5/16/2004	07:00	74.4	359.3	117.8464	270.25667	0.0	40.5	42.0	82.49671	8.3	Missing
5/16/2004	08:00	73.4	356.2	118.1601	264.59917	0.0	39.6	42.0	81.56889	8.4	Missing
5/16/2004	09:00	72.2	353.1	122.6024	259.5275	0.0	39.8	42.0	81.82531	8.8	Missing
5/16/2004	10:00	71.0	350.1	129.1654	259.88667	0.0	40.1	42.0	82.08172	9.3	Missing
5/16/2004	11:00	69.8	347.0	133.5627	278.105	0.0	40.3	42.0	82.33814	9.7	Missing
5/16/2004	12:00	68.6	343.9	133.6196	281.12167	0.0	40.6	42.0	82.59455	9.9	Missing
5/16/2004	13:00	67.4	340.8	133.8596	273.45667	0.0	40.9	42.0	82.85097	9.9	Missing
5/16/2004	14:00	66.2	337.7	134.9244	271.53	0.0	41.1	42.0	83.10738	9.9	Missing
5/16/2004	15:00	65.0	334.5	129.9497	269.60333	0.0	40.7	42.0	82.6662	10.0	Missing
5/16/2004	16:00	64.0	331.4	126.7013	268.64	0.0	40.2	42.0	82.19656	8.9	Missing
5/16/2004	17:00	63.1	328.3	125.5173	266.49333	0.0	40.0	42.0	81.95319	8.8	Missing
5/16/2004	18:00	62.2	325.1	123.2478	264.16667	0.0	39.7	42.0	81.70982	8.7	Missing
5/16/2004	19:00	61.3	322.0	122.5008	261.9775	0.0	39.5	42.0	81.53418	8.6	Missing
5/16/2004	20:00	60.3	318.9	123.7312	259.79	0.0	39.5	42.0	81.49942	8.5	Missing
5/16/2004	21:00	59.4	315.7	122.262	259.115	0.0	39.5	42.0	81.46904	8.4	Missing
5/16/2004	22:00	58.5	312.5	126.3046	257.02417	0.0	39.4	42.0	81.43865	8.4	Missing
5/16/2004	23:00	57.5	309.2	123.0604	255.42	0.0	39.4	42.0	81.40826	8.2	Missing
5/17/2004	00:00	56.9	306.0	116.5439	255.42	0.0	39.4	42.0	81.37842	8.0	Missing
5/17/2004	01:00	56.3	302.8	112.9799	252.0925	0.0	39.3	42.0	81.35304	7.8	Missing
5/17/2004	02:00	55.7	299.6	109.7777	247.07417	0.0	39.3	42.0	81.32862	7.5	Missing
5/17/2004	03:00	55.2	296.4	97.35738	220.9775	0.0	39.3	42.0	81.30745	7.3	Missing
5/17/2004	04:00	54.6	293.1	93.58998	220.295	0.0	39.3	42.0	81.29301	7.1	Missing
5/17/2004	05:00	54.0	289.9	97.33854	220.76333	0.0	39.2	42.0	81.27877	6.8	Missing
5/17/2004	06:00	53.4	286.6	100.6803	220.23083	0.0	39.2	42.0	81.26454	6.6	Missing
5/17/2004	07:00	52.9	283.3	106.0487	235.84917	0.0	39.2	42.0	81.25031	6.7	Missing
5/17/2004	08:00	52.5	280.5	118.4706	229.20667	3.9	0.4	0.0	4.283969	7.2	Missing
5/17/2004	09:00	52.1	279.8	126.0146	204.39167	39.0	0.0	32.7	71.71036	7.7	Missing
5/17/2004	10:00	51.7	277.2	127.8741	192.05417	37.8	0.0	42.0	79.77919	8.2	Missing
5/17/2004	11:00	51.4	273.9	126.5621	196.47583	37.8	0.0	42.0	79.83213	8.1	Missing
5/17/2004	12:00	51.0	270.5	126.1256	198.48833	38.0	0.0	42.0	79.95172	13.2	Missing
5/17/2004	13:00	50.6	267.1	123.9229	202.1125	38.1	0.0	42.0	80.07131	12.3	Missing
5/17/2004	14:00	50.3	263.8	120.2622	207.15667	38.2	0.0	42.0	80.1909	7.2	Missing
5/17/2004	15:00	49.9	260.5	121.1692	207.63333	38.3	0.0	42.0	80.31049	7.0	Missing
5/17/2004	16:00	49.6	251.3	119.9482	209.60917	38.4	0.0	42.0	80.43008	7.1	Missing
5/17/2004	17:00	49.2	250.6	119.4445	212.13833	38.5	0.0	42.0	80.54967	7.3	Missing
5/17/2004	18:00	48.9	251.2	117.7484	213.495	38.6	0.0	42.0	80.63179	7.4	Missing
5/17/2004	19:00	48.5	249.3	121.8205	213.61	38.6	0.0	42.0	80.61635	7.5	Missing
5/17/2004	20:00	48.4	245.6	118.9301	213.645	38.6	0.0	42.0	80.59585	7.7	Missing
5/17/2004	21:00	48.3	242.6	120.641	213.63	38.6	0.0	42.0	80.57536	7.8	Missing

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5/17/2004	22:00	48.1	243.2	157.9586	213.46667	38.6	0.0	42.0	80.55486	318.2	Missing
5/17/2004	23:00	48.0	249.3	229.0619	212.69583	38.5	0.0	42.0	80.53437	24.5	Missing
5/18/2004	00:00	47.8	245.8	233.2916	213.95667	38.5	0.0	42.0	80.51387	15.1	Missing
5/18/2004	01:00	47.7	244.0	219.2084	222.345	38.5	0.0	42.0	80.49338	14.5	Missing
5/18/2004	02:00	47.6	240.8	263.692	229.23417	38.5	0.0	42.0	80.4613	13.9	Missing
5/18/2004	03:00	47.4	237.7	245.8389	225.98333	38.4	0.0	42.0	80.39908	13.3	Missing
5/18/2004	04:00	47.3	234.8	194.8943	229.76083	38.3	0.0	42.0	80.3353	26.7	Missing
5/18/2004	05:00	47.1	231.9	158.9274	235.85083	38.3	0.0	42.0	80.27152	23.2	Missing
5/18/2004	06:00	47.0	231.3	133.5269	242.99667	38.2	0.0	42.0	80.20775	25.8	Missing
5/18/2004	07:00	46.9	229.0	131.4771	250.25833	38.1	0.0	42.0	80.14397	12.4	Missing
5/18/2004	08:00	46.7	226.5	133.6351	257.7225	38.1	0.0	42.0	80.08019	19.2	Missing
5/18/2004	09:00	46.6	226.2	134.5412	264.49417	38.0	0.0	42.0	80.01641	47.0	Missing
5/18/2004	10:00	46.4	226.2	132.2186	268.55167	38.0	0.0	42.0	79.97584	45.0	Missing
5/18/2004	11:00	46.3	225.2	129.4096	272.9275	38.0	0.0	42.0	79.99555	100.4	Missing
5/18/2004	12:00	46.2	226.2	126.1768	277.02	38.0	0.0	42.0	80.01838	80.6	Missing
5/18/2004	13:00	46.1	225.9	122.5863	275.45	38.0	0.0	42.0	80.04121	16.4	Missing
5/18/2004	14:00	46.0	222.9	119.1617	272.15417	38.1	0.0	42.0	80.06403	16.5	Missing
5/18/2004	15:00	45.9	225.8	117.2897	270.2	38.1	0.0	42.0	80.08686	179.5	Missing
5/18/2004	16:00	45.8	226.9	116.6543	270.2	38.1	0.0	42.0	80.10969	18.1	Missing
5/18/2004	17:00	45.7	223.8	115.4395	270.2	38.1	0.0	42.0	80.13252	14.7	Missing
5/18/2004	18:00	45.6	220.6	114.9945	270.51083	38.1	0.0	42.0	80.12098	15.0	Missing
5/18/2004	19:00	45.5	217.5	113.4596	271.49583	38.0	0.0	42.0	80.0201	15.2	Missing
5/18/2004	20:00	45.2	214.3	113.8761	272.265	37.9	0.0	42.0	79.91462	14.2	Missing
5/18/2004	21:00	44.9	211.1	111.1978	272	37.8	0.0	42.0	79.80914	8.9	Missing
5/18/2004	22:00	44.7	208.0	108.3255	272.13167	37.7	0.0	42.0	79.70365	7.9	Missing
5/18/2004	23:00	44.4	204.8	105.9962	271.78833	37.6	0.0	42.0	79.59817	7.3	Missing
5/19/2004	00:00	44.1	201.6	101.0989	272.08	37.5	0.0	42.0	79.49268	7.3	Missing
5/19/2004	01:00	43.8	198.5	95.09605	271.18	37.4	0.0	42.0	79.3872	7.3	Missing
5/19/2004	02:00	43.6	195.5	89.58951	269.93	37.3	0.0	42.0	79.27289	7.3	Missing
5/19/2004	03:00	43.3	192.5	85.98084	266.81083	37.1	0.0	42.0	79.13564	7.3	Missing
5/19/2004	04:00	43.1	189.5	84.25616	264.4	37.0	0.0	42.0	78.99721	7.3	Missing
5/19/2004	05:00	42.8	186.5	83.08671	261.23667	36.9	0.0	42.0	78.85878	7.3	Missing
5/19/2004	06:00	42.6	183.5	84.59314	258.275	36.7	0.0	42.0	78.72035	7.3	Missing
5/19/2004	07:00	42.4	180.5	99.09409	254.99167	36.6	0.0	42.0	78.58192	7.3	Missing
5/19/2004	08:00	42.1	176.8	110.8863	250.93833	7.0	24.2	23.1	54.2604	7.5	Missing
5/19/2004	09:00	41.9	175.4	113.7281	249.73	0.0	38.3	22.4	60.74013	11.8	Missing
5/19/2004	10:00	41.7	172.8	115.0363	249.16333	0.0	38.8	42.0	80.77867	12.1	Missing
5/19/2004	11:00	41.4	170.0	109.7983	246.23	0.0	38.7	42.0	80.70856	8.4	Missing
5/19/2004	12:00	41.2	167.1	110.5622	260.01333	0.0	38.6	42.0	80.63845	8.4	Missing
5/19/2004	13:00	40.9	164.3	111.7116	286.70333	0.0	38.6	42.0	80.56834	8.4	Missing
5/19/2004	14:00	40.7	161.4	109.8874	277.14083	0.0	38.5	42.0	80.49823	8.4	Missing
5/19/2004	15:00	40.4	158.6	107.0839	271.94167	0.0	38.4	42.0	80.42812	8.4	Missing
5/19/2004	16:00	40.2	155.8	104.2373	263.42833	0.0	38.4	42.0	80.35801	8.4	Missing
5/19/2004	17:00	39.9	152.9	106.3887	258.33917	0.0	38.3	42.0	80.28481	8.5	Missing
5/19/2004	18:00	39.7	150.0	106.2391	251.235	0.0	38.2	42.0	80.17132	8.5	Missing
5/19/2004	19:00	39.4	147.1	111.2339	247.79	0.0	38.0	42.0	80.04539	8.5	Missing
5/19/2004	20:00	39.2	144.1	110.0528	247.62	0.0	37.9	42.0	79.91946	8.4	Missing
5/19/2004	21:00	38.9	141.2	106.4662	243.565	0.0	37.8	42.0	79.79353	8.3	Missing
5/19/2004	22:00	38.7	138.3	102.6291	237.0675	0.0	37.7	42.0	79.66761	8.2	Missing
5/19/2004	23:00	38.4	135.3	100.4292	230.4	0.0	37.5	42.0	79.54168	8.1	Missing
5/20/2004	00:00	38.2	132.4	93.449	233.07583	0.0	37.4	42.0	79.41575	8.0	Missing
5/20/2004	01:00	37.9	129.6	88.91326	234.8	0.0	37.3	42.0	79.28813	8.2	Missing
5/20/2004	02:00	37.7	127.2	82.61282	233.40417	0.0	37.1	42.0	79.13852	8.0	Missing
5/20/2004	03:00	37.5	124.9	80.49517	231.59	0.0	37.0	42.0	78.98214	8.7	Missing
5/20/2004	04:00	37.3	122.6	82.74277	226.85083	0.0	36.8	42.0	78.82574	9.5	Missing
5/20/2004	05:00	37.1	120.3	92.24741	217.05333	0.0	36.7	42.0	78.66936	20.5	Missing

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Total ISS Pumpout (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
5/20/2004	06:00	36.9	118.0	109.9368	212.37	0.0	36.5	42.0	78.51297	75.8	Missing
5/20/2004	07:00	36.7	115.4	147.3138	208.23917	0.0	36.4	42.0	78.35658	24.4	Missing
5/20/2004	08:00	36.5	112.8	141.0247	206.74	0.0	36.2	42.0	78.20019	18.7	Missing
5/20/2004	09:00	36.3	110.2	125.3547	206.53	0.0	36.0	42.0	78.04792	13.7	Missing
5/20/2004	10:00	36.1	107.6	115.7357	206.43667	0.0	35.9	42.0	77.9493	11.6	Missing
5/20/2004	11:00	35.9	105.0	116.0479	206.51667	0.0	35.9	42.0	77.8672	9.8	Missing
5/20/2004	12:00	35.8	102.4	112.7011	211.60083	0.0	35.8	42.0	77.78511	11.0	Missing
5/20/2004	13:00	35.7	99.8	110.5425	216.59167	0.0	35.7	42.0	77.70301	13.3	Missing
5/20/2004	14:00	35.7	97.3	111.7844	221.9125	0.0	35.6	42.0	77.62091	13.4	Missing
5/20/2004	15:00	35.6	95.5	101.6357	225.75	0.0	35.5	42.0	77.53881	12.2	Missing
5/20/2004	16:00	35.5	93.9	108.8593	231.405	0.0	35.5	42.0	77.45672	74.9	Missing
5/20/2004	17:00	35.4	95.1	182.0121	236.4875	0.0	35.4	42.0	77.37833	264.9	Missing
5/20/2004	18:00	35.3	100.3	203.0774	240.33833	0.0	35.3	42.0	77.34815	124.1	Missing
5/20/2004	19:00	35.2	98.6	161.1938	246.23583	0.0	35.3	42.0	77.3328	26.8	Missing
5/20/2004	20:00	35.0	96.1	130.4292	248.81	0.0	35.3	42.0	77.31745	18.5	Missing
5/20/2004	21:00	34.7	93.6	110.2181	250.48833	0.0	35.3	42.0	77.3021	17.4	Missing
5/20/2004	22:00	34.5	91.1	102.1835	253.69667	0.0	35.3	42.0	77.28676	17.2	Missing
5/20/2004	23:00	34.2	88.6	98.53101	255.39	0.0	35.3	42.0	77.27141	16.9	Missing
5/21/2004	00:00	34.0	86.1	91.72681	258.98	0.0	35.3	42.0	77.25606	16.7	Missing
5/21/2004	01:00	33.7	83.6	84.53022	258.98	0.0	35.2	42.0	77.23761	16.5	Missing
5/21/2004	02:00	33.5	81.1	77.70466	259.4	0.0	35.2	42.0	77.17884	16.3	Missing
5/21/2004	03:00	33.4	78.5	74.0552	259.4	0.0	35.1	42.0	77.10767	16.1	Missing
5/21/2004	04:00	34.1	76.0	71.68165	258.67333	0.0	35.0	42.0	77.03649	13.8	Missing
5/21/2004	05:00	34.8	73.4	71.16012	252.415	0.0	35.0	42.0	76.96532	9.6	Missing
5/21/2004	06:00	35.6	70.8	72.98467	245.6075	0.0	34.9	42.0	76.89414	9.4	Missing
5/21/2004	07:00	36.4	68.2	82.4613	239.88833	0.0	34.8	42.0	76.82297	9.2	Missing
5/21/2004	08:00	37.1	65.6	92.57824	234.525	0.0	34.8	16.1	50.85179	27.4	Missing
5/21/2004	09:00	37.9	84.8	200.7605	231.59	0.0	34.8	18.2	52.95607	1199.7	Missing
5/21/2004	10:00	38.7	138.1	270.5532	231.58167	0.0	35.2	42.0	77.15723	505.3	Missing
5/21/2004	11:00	39.4	145.6	220.1773	230.59667	0.0	35.6	42.0	77.61604	183.6	Missing
5/21/2004	12:00	40.2	147.5	196.5609	227.07167	0.0	36.1	42.0	78.07484	151.2	Missing
5/21/2004	13:00	40.9	148.8	166.5741	232.91667	0.0	36.5	42.0	78.53365	155.5	Missing
5/21/2004	14:00	41.6	150.0	144.3184	243.33333	0.0	37.0	42.0	78.99245	136.5	Missing
5/21/2004	15:00	42.3	151.3	134.1949	257.10917	0.0	37.4	42.0	79.42491	78.8	Missing
5/21/2004	16:00	43.0	152.6	128.0917	276.66167	0.0	37.7	42.0	79.68861	69.2	Missing
5/21/2004	17:00	43.8	155.0	136.6049	283.90333	0.0	37.9	42.0	79.92232	328.7	Missing
5/21/2004	18:00	44.5	194.0	258.637	293.96667	0.0	38.2	42.0	80.15604	841.1	Missing
5/21/2004	19:00	45.2	212.0	253.9387	294.57167	0.0	38.4	42.0	80.38976	320.1	Missing
5/21/2004	20:00	45.9	224.6	262.5371	294.92	0.0	38.6	42.0	80.62348	204.6	Missing
5/21/2004	21:00	46.5	229.2	248.7125	299.41833	0.0	38.9	42.0	80.8572	114.6	Missing
5/21/2004	22:00	47.2	232.7	222.3286	292.32833	0.0	39.1	42.0	81.09092	148.1	Missing
5/21/2004	23:00	47.8	236.8	203.9922	310.505	0.0	39.3	42.0	81.28865	124.2	Missing
5/22/2004	00:00	48.5	240.9	197.3611	306.01667	0.0	39.3	42.0	81.25599	110.7	Missing
5/22/2004	01:00	49.2	247.4	268.1887	308.205	0.0	39.2	42.0	81.1824	207.4	Missing
5/22/2004	02:00	49.8	255.3	277.2989	302.83167	0.0	19.2	42.0	61.20527	243.1	Missing
5/22/2004	03:00	51.1	267.5	265.4997	296.06	0.0	0.0	42.0	42	305.3	Missing
5/22/2004	04:00	54.8	282.6	270.5413	301.97333	0.0	0.0	42.0	42	335.2	Missing
5/22/2004	05:00	58.8	296.9	252.2656	292.6575	0.0	0.0	42.0	42	245.8	Missing
5/22/2004	06:00	62.9	307.9	292.3678	296.8825	0.0	0.0	42.0	42	277.9	Missing
5/22/2004	07:00	66.9	327.2	292.7	304.375	0.0	0.0	42.0	42	430.3	Missing
5/22/2004	08:00	71.6	350.3	285.4503	302.79333	0.0	0.0	42.0	42	390.9	Missing
5/22/2004	09:00	78.7	365.6	271.6665	300.5925	0.0	0.0	42.0	42	114.1	Missing
5/22/2004	10:00	86.1	374.2	260.4204	295.19	0.0	0.0	42.0	42	61.8	Missing
5/22/2004	11:00	93.6	385.8	241.0579	300.12667	0.0	0.0	42.0	42	42.5	Missing
5/22/2004	12:00	102.1	392.3	230.6031	301.83	0.0	0.0	42.0	42	18.2	Missing
5/22/2004	13:00	112.2	397.6	225.2798	301.85667	20.1	0.0	42.0	62.09627	10.2	Missing

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Total ISS Pumpout (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
5/22/2004	14:00	118.6	399.0	230.1567	300.30167	48.4	0.0	42.0	90.3738	9.9	Missing
5/22/2004	15:00	114.3	395.8	225.9481	302.97167	47.0	0.0	42.0	89.03859	9.7	Missing
5/22/2004	16:00	117.171	399.245	267.104	304.32417	39.9276	0	39.1999	79.1275	30.2538	0.0
5/22/2004	17:00	98.4198	391.210	247.708	291.71667	42.1312	0	39.1999	81.3311	30.2103	.001964
5/22/2004	18:00	92.5705	388.066	237.874	291.44333	41.0489	0	39.1999	80.2488	29.5031	.001964
5/22/2004	19:00	87.2244	383.224	213.989	297.95167	39.9276	0	39.1999	79.1275	29.4465	.013181
5/22/2004	20:00	84.7005	379.875	220.085	300.645	39.1098	0	39.1999	78.3097	29.9203	.029166
5/22/2004	21:00	82.9426	376.885	229.537	302.665	38.4877	0	39.1999	77.6876	30.0263	.067343
5/22/2004	22:00	81.5468	374.094	244.374	308.97	6.30524	0	39.1999	45.50514	30.2538	.149427
5/22/2004	23:00	80.9375	372.875	234.155	305.88917	0	0	39.1999	39.1999	30.1610	.164999
5/23/2004	00:00	80.3593	371.719	216.714	308.26667	0	0	39.1999	39.1999	29.9359	.000572
5/23/2004	01:00	79.7500	370.500	208.472	306.98667	0	0	39.1999	39.1999	29.5915	.062343
5/23/2004	02:00	79.3437	369.687	289.194	305.68	0	0	39.1999	39.1999	29.4144	.172708
5/23/2004	03:00	78.7013	368.080	304.873	311.3925	0	0	39.1999	39.1999	28.3023	.373402
5/23/2004	04:00	78.1250	366.385	288.906	313.16667	0	0	39.1999	39.1999	28.2766	.417291
5/23/2004	05:00	77.6666	365.333	267.104	316.51917	0	0	39.1999	39.1999	28.7198	.429114
5/23/2004	06:00	77.1840	364.368	246.51	311.93917	0	0	39.1999	39.1999	29.1905	.430832
5/23/2004	07:00	-25.000	.000161	239.934	308.6	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	08:00	-25.000	.000161	239.934	311.94917	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	09:00	-25.000	.000161	239.934	316.07	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	10:00	-25.000	.000161	239.934	310.1725	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	11:00	-25.000	.000161	239.934	308.01	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	12:00	-25.000	.000161	239.934	307.80417	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	13:00	-25.000	.000161	239.934	308.05	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	14:00	-25.000	.000161	239.934	307.35	0	0	39.1999	39.1999	16.9735	.443124
5/23/2004	15:00	46.3636	258.182	233.647	303.41	0	0	39.1999	39.1999	26.2404	.443124
5/23/2004	16:00	72.7760	354.069	233.254	303.67167	0	0	39.1999	39.1999	35.3802	1.01229
5/23/2004	17:00	72.5312	353.416	231.927	304.28	0	0	39.1999	39.1999	34.6184	1.02250
5/23/2004	18:00	72.1718	352.458	225.441	299.6575	0	0	39.1999	39.1999	35.9922	1.03125
5/23/2004	19:00	71.7656	351.531	225.601	301.16667	0	0	39.1999	39.1999	30.6766	1.03125
5/23/2004	20:00	71.3125	350.625	215.444	307.5125	0	0	39.1999	39.1999	15.4080	1.03937
5/23/2004	21:00	70.7395	349.208	209.912	306.79583	0	0	39.1999	39.1999	13.2355	1.07203
5/23/2004	22:00	70.1692	347.528	228.295	304.32583	0	0	39.1999	39.1999	12.0338	1.07937
5/23/2004	23:00	69.4427	345.885	215.344	299.84167	0	0	39.1999	39.1999	11.7697	1.07937
5/24/2004	00:00	69.0260	345.052	199.051	303.625	0	0	39.1999	39.1999	11.8028	-0.0
5/24/2004	01:00	68.5284	344.057	186.796	300.21667	0	0	39.1999	39.1999	11.4441	-0.0
5/24/2004	02:00	68.0208	342.976	178.997	298.47	0	0	39.1999	39.1999	10.9517	.002395
5/24/2004	03:00	67.2291	340.703	173.115	301.61833	0	0	39.1999	39.1999	10.5602	.003125
5/24/2004	04:00	66.9192	339.872	170.645	298.33583	0	0	39.1999	39.1999	10.4291	.003125
5/24/2004	05:00	66.3646	338.716	167.386	294.93667	0	0	39.1999	39.1999	10.5041	.003125
5/24/2004	06:00	65.8000	337.381	167.822	292.655	0	0	39.1999	39.1999	10.5247	.003125
5/24/2004	07:00	65.2057	335.617	176.354	296.0175	0	29.3737	39.1999	68.5736	38.2286	.003125
5/24/2004	08:00	64.9426	334.828	183.394	303.73667	0	39.1571	39.1999	78.357	88.9592	.003125
5/24/2004	09:00	64.8411	334.523	189.425	298.91583	0	39.8553	39.1999	79.0552	81.6844	.003125
5/24/2004	10:00	65.0885	335.265	199.568	301.67917	0	40.0811	39.1999	79.281	101.161	.003125
5/24/2004	11:00	65.4869	336.461	196.322	309.93667	15.6161	23.3992	35.9333	74.9486	94.8363	.003125
5/24/2004	12:00	65.7578	337.211	161.593	313.44833	38.3354	0	0	38.3354	87.5824	.006249
5/24/2004	13:00	66.1900	338.349	201.476	313.58	38.1779	0	39	77.1779	73.1017	.006249
5/24/2004	14:00	65.8551	337.554	201.288	313.3875	24.3896	0	39	63.3896	77.5521	.006249
5/24/2004	15:00	66.2213	338.442	201.548	312.49	0	0	39	39	58.7968	.006249
5/24/2004	16:00	66.7421	339.534	198.601	304.615	0	0	39	39	77.6073	.006249
5/24/2004	17:00	67.7708	342.247	195.656	303.75667	0	0	39	39	85.0284	.006249
5/24/2004	18:00	68.8567	344.698	192.422	300.64833	0	0	39	39	90.9078	.006249
5/24/2004	19:00	69.1641	345.328	189.48	296.3675	0	38.3958	39	77.3958	93.4260	.006249
5/24/2004	20:00	69.0650	345.130	188.629	293.6825	0	41.0864	39	80.0864	33.7274	.006249
5/24/2004	21:00	68.6588	344.318	187.514	293.54	0	41.6797	39	80.6797	34.4545	.006249
5/24/2004	22:00	68.1328	343.240	183.575	294.23167	0	42.1758	39	81.1758	29.5542	.006249
5/24/2004	23:00	67.5598	341.679	178.75	298.77667	0	42.2047	39	81.2047	29.0806	.006249
5/25/2004	00:00	66.9557	339.971	174.763	299.32	0	42.0918	39	81.0918	28.1240	-0.0
5/25/2004	01:00	66.3438	338.687	168.673	299.20667	0	42.1784	39	81.1784	25.8933	-0.0

Date	Time	ISS Tunnel Elevation (FT)	ISS Tunnel Volume (MG)	JI Influent Flow (MGD)	SS Influent Flow (MGD)	ISS Pump 1 Flow (MGD)	ISS Pump 2 Flow (MGD)	ISS Pump 3 Flow (MGD)	Total ISS Pumpout (MGD)	Flow into Tunnel (MGD)	Accumulated Precipitation
5/25/2004	02:00	65.7551	337.252	163.433	297.93167	0	42.1601	39	81.1601	17.7935	-0.0
5/25/2004	03:00	64.8567	334.570	161.011	294.105	0	42.2073	39	81.2073	19.2926	.000364
5/25/2004	04:00	63.8958	331.687	159.557	291.54667	0	42.2519	39	81.2519	27.1907	.020156
5/25/2004	05:00	63.2890	329.867	177.898	289.00583	0	42.1759	39	81.1759	21.6720	.041927
5/25/2004	06:00	62.6224	327.867	205.199	286.2125	0	42.1653	39	81.1653	18.0778	.046249
5/25/2004	07:00	61.8359	325.508	198.488	283.73333	0	42.0446	39	81.0446	26.9415	.046249
5/25/2004	08:00	61.2109	322.541	189.608	283.52	0	42.1758	39	81.1758	40.4568	.046249
5/25/2004	09:00	60.8281	322.312	185.747	283.15	0	42.0052	39	81.0052	40.5526	.046249
5/25/2004	10:00	60.5807	321.328	183.101	283.48167	0	40.984	39	79.984	20.5568	.046249
5/25/2004	11:00	60.2005	319.802	180.976	294.33417	0	40.9526	39	79.9526	56.9288	.046249
5/25/2004	12:00	59.6042	317.812	180.376	304.49333	0	41.1179	39	80.1179	48.5602	.046249
5/25/2004	13:00	59.7083	318.156	177.727	313.5925	0	40.9447	39	79.9447	59.9783	.046249
5/25/2004	14:00	60.6927	321.393	175.601	313.03083	0	41.2833	39	80.2833	104.257	.046249
5/25/2004	15:00	60.6770	321.726	174.015	308.88	0	40.2412	39	79.2412	89.5597	.046249
5/25/2004	16:00	61.2578	323.680	171.907	304.03167	0	40.2412	39	79.2412	90.6429	.046249
5/25/2004	17:00	62.2265	326.680	168.268	300.60167	0	40.1677	39	79.1677	72.2346	.046249
5/25/2004	18:00	62.3880	327.164	167.338	295.78667	0	40.1414	39	79.1414	29.4525	.046249
5/25/2004	19:00	62.0547	326.127	167.422	293.43	0	40.1966	39	79.1966	26.8403	.046249
5/25/2004	20:00	61.0573	323.034	166.455	289.57667	0	41.1048	39	80.1048	22.4551	.046249
5/25/2004	21:00	60.2578	320.060	166.705	286.66	0	41.2413	39	80.2413	16.5336	.046249
5/25/2004	22:00	59.3203	316.961	168.631	284.18333	0	41.1232	39	80.1232	17.5008	.046249
5/25/2004	23:00	58.5469	313.734	168.221	281.64	0	41.3043	39	80.3043	16.9586	.046249
5/26/2004	00:00	57.8776	310.539	164.562	277.58667	0	41.2466	39	80.2466	12.3244	-0.0
5/26/2004	01:00	57.0390	307.086	158.333		0	41.257	39	80.257	9.95425	-0.0
5/26/2004	02:00	56.4297	304.148	152.725		0	41.2465	39	80.2465	9.97821	-0.0
5/26/2004	03:00	55.7969	300.984	151.069		0	41.1206	39	80.1206	9.00024	-0.0
5/26/2004	04:00	55.2682	298.258	147.803		0	41.0576	39	80.0576	8.62168	-0.0
5/26/2004	05:00	54.5703	294.422	145.088		0	40.9289	39	79.9289	9.05936	-0.0
5/26/2004	06:00	54.0026	290.919	147.076		0	41.2203	39	80.2203	9.25050	-0.0
5/26/2004	07:00	53.5599	287.919	156.606		9.65211	28.7464	39	77.39851	11.2946	-0.0
5/26/2004	08:00	52.9792	283.833	167.52		38.2724	0	39	77.2724	12.1744	-0.0
5/26/2004	09:00	52.5234	280.664	171.781		38.4116	0	39	77.4116	12.3040	-0.0
5/26/2004	10:00	52.1172	277.820	172.321		38.0808	0	39	77.0808	12.5321	-0.0
5/26/2004	11:00	51.7239	275.067	165.201		38.2698	0	32.5	70.7698	11.1901	-0.0
5/26/2004	12:00	51.4479	273.135	130.66		38.2593	0	0	38.2593	11.1206	-0.0
5/26/2004	13:00	51.1016	270.502	159.494		38.0965	0	29.25	67.3465	11.0143	-0.0
5/26/2004	14:00	50.9271	269.281	168.349		38.2934	0	39	77.2934	11.0598	-0.0
5/26/2004	15:00	50.4401	264.976	166.105		38.2934	0	39	77.2934	11.4350	-0.0
5/26/2004	16:00	50.1015	261.945	164.464		38.4089	0	39	77.4089	10.2551	-0.0

Note: Not all hourly SS Influent Flow data was available so alternate 15 minute SS data was also provided, which was averaged into hourly data and included in this data

FLOW HISTORY: MAY 10-25, 2004

