Appendix C, Table 1: Reclaimed Water Off-Site Use Summary, 2003
King County Wastewater Treatment Division
South Plant Water Reclamation Permit ST-7445

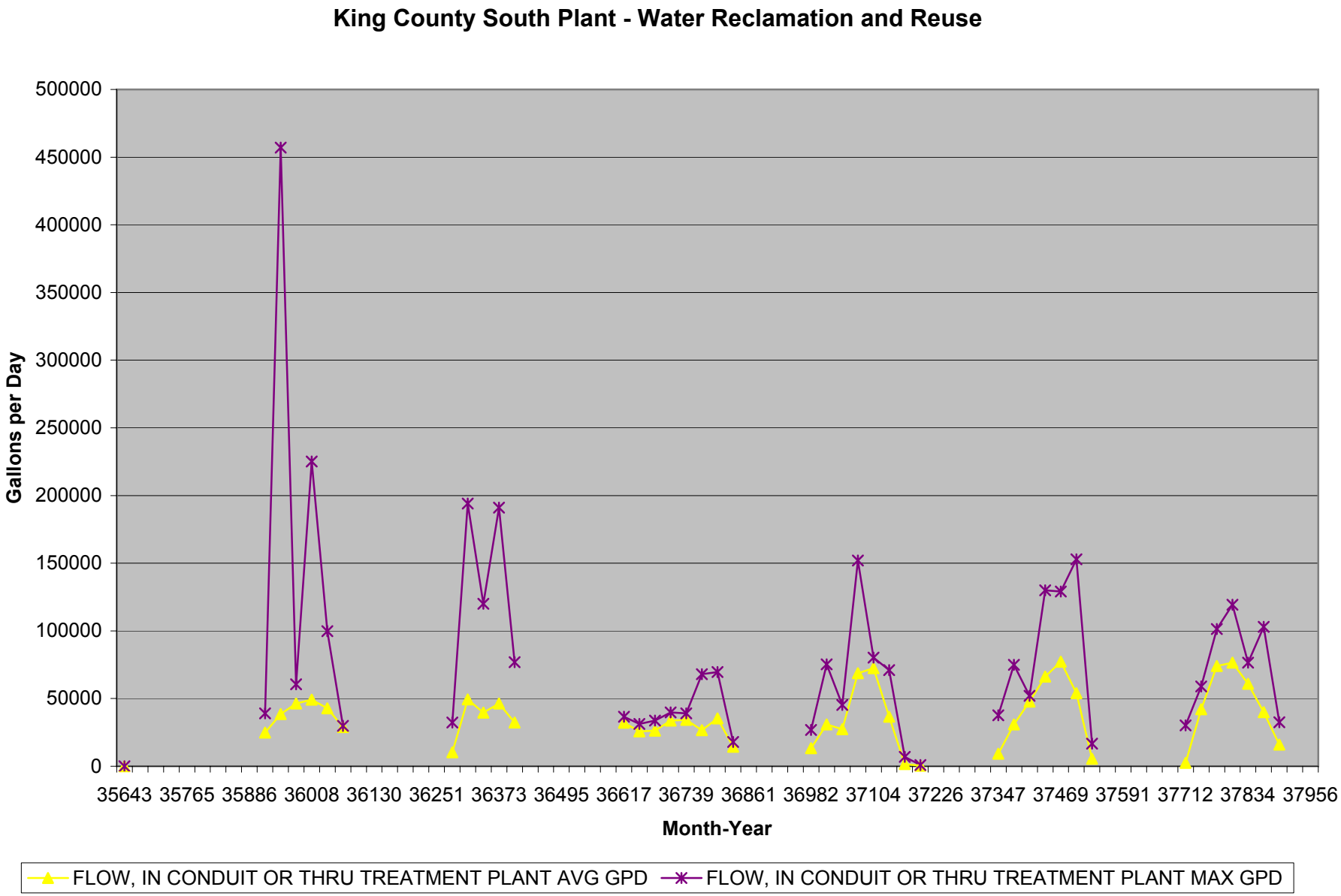
Entity	Use Description	Estimated Volume (MG) 2003	Use Area	Comments
Soccer Field at Fort Dent Park	Irrigation	Use discontinued		Field turf installed. Line removed during installation of new fields.
Softball Fields at Fort Dent Part	Irrigation	3.42		
City of Tukwila	Irrigation	0.34	near Interurban Pump Station	
City of Tukwila - Fire Hydrant	Irrigation and Dust Control	0.78	Various use areas by City	Purple hydrant used to fill tanks mounted on vehicles
Water Works Park	Irrigation	0.2		Flow not metered. Estimated.
King Conservation District - Wetland Plants nursery and Irrigation outside South Plant fence line	Irrigation	3.5		combined flow meter for nursery and outside the fence line irrigation
Irrigation outside South Plant fence line	Irrigation	0.3	outside of fence line near water tower	Flow not metered. Estimated.
Irrigation outside South Plant fence line	Irrigation	0.6	outside of fence line near ETS building	Flow not metered. Estimated.
Truck fill station (Users Listed Below)	Irrigation, Dust Control and Street Cleaning	0.24		Various entities fill tank-mounted trucks or tankers with 300-4800 gallons of reclaimed water per truck at fill station.
Washington Conservation Corps				
Restoration Logistics				
EarthCorps				
King County DOT - Roads				
King County DOT - Fleet				
King County DOT - Transit				
King County Water & Land Resources Division				
King County METRO South Facilities				
DCFM -Airport				
DNR - JFE				
Seattle Public Utilities - Solid Waste				
Estimated Total, 2003		**9.38**		

Appendix C: Table 2: DMR Data

Facility Metro Renton
NPDES Permit No. WA0029581D
Outfall Reuse

Analysis	COLIFORM, TOTAL	COLIFORM, TOTAL	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	NITROGEN, NITRATE TOTAL (AS N)	PH	PH	TURBIDITY	TURBIDITY
Units	AVW	MAX	AVG	AVG	MAX	MAX	MAX	MAX	MIN	AVM	MAX
	#/100 ML	#/100 ML	GPD	GPD	GPD	GPD	MG/L	S.U.	S.U.	NTU	NTU
Design Criteria											
Limit	2.2	23	na	na	na	na	na	9	6	2	5
1-Aug-97	2.6	20		0		0	0.24	7.29	6.7	1.9	2
1-Sep-97											
1-Oct-97											
1-Nov-97											
1-Dec-97											
1-Jan-98											
1-Feb-98											
1-Mar-98											
1-Apr-98											
1-May-98	5.17	22		24869		39000	0.45	7.3	6.4	0.3	0.54
1-Jun-98	0.28	7		38581		457059	0.32	7.22	6.47	0.5	1.8
1-Jul-98	1.26	21		46416		60575	0.26	6.7	6.1	0.66	1.45
1-Aug-98	1.39	10.2		49156		225201	1.6	7.2	6.1	0.53	1.8
1-Sep-98	0.31	6		42803		99741	1.1	7.04	6.18	0.57	1.44
1-Oct-98	0.07	1		28993		29757	0.14	6.58	6.27	0.67	1.25
1-Nov-98											
1-Dec-98											
1-Jan-99											
1-Feb-99											
1-Mar-99											
1-Apr-99											
1-May-99	0.4	1		10354		32400	0.13	6.72	6.38	1.21	1.6
1-Jun-99	0.7	36		49328		194002	1.01	6.71	5.83	0.99	1.8
1-Jul-99	0.47	3.5		39523		120000	2.6	7.1	6.03	0.85	1.8
1-Aug-99	1.21	6		46327		191035	0.52	7.22	6.25	0.62	1.8
1-Sep-99	1.21	24		32322		76901	0.1	6.96	6.23	0.78	1.8
1-Oct-99											
1-Nov-99											
1-Dec-99											
1-Jan-00											
1-Feb-00											
1-Mar-00											
1-Apr-00	1	8.5		32172		36492	0.13	7.52	6.25	1.01	2.51
1-May-00	0.39	2		25739		31318	0.7	7.89	6.7	1.1	1.64
1-Jun-00	0.15	2		26192		33758	1.28	7.28	6.6	1.54	3
1-Jul-00	0.12	7		33678		39765	0.09	7.15	6.54	1.26	3
1-Aug-00	0.04	1		34198		39151	0.14	7.4	6.6	0.83	3
1-Sep-00	0.24	15		26556		68019	0.64	7.4	6.8	0.72	3
1-Oct-00	0.69	6		35303		69663	0.17	7.28	6.69	1.06	3
1-Nov-00	0.05	1.5		14329		18000	0.14	7.86	6.86	1.45	3
1-Dec-00											
1-Jan-01											
1-Feb-01											
1-Mar-01											
1-Apr-01	0.03	11		13283		26725	0.07	6.9	6.5	1.86	3
1-May-01	0.2	2		30923		75253	0.14	7.3	6.4	2	3
1-Jun-01	0.3	10		27330		45250	0.15	7	6.4	2	3
1-Jul-01	0.7	30		68780		152000	0.2	7.3	6.4	2	3
1-Aug-01	1.7	200		72380		80289	0.03	7.5	6.6	2	3
1-Sep-01	0.4	5		36506		71000	0.06	7.1	6.4	2	3
1-Oct-01	0.5	10.5		1546		7000	0.23	7.37	6.57	1	3
1-Nov-01	0.02	2		388		925	0.08	7	6.8	1	2
1-Dec-01											
1-Jan-02											
1-Feb-02											
1-Mar-02											
1-Apr-02	1	5		9235		37571	0.01	7.4	6.6	2	3
1-May-02	0	1		30923		75000	0.02	7.6	6.7	2	3
1-Jun-02	1	7		47734		52000	0.07	7.7	6.8	2	3
1-Jul-02	3	43		66259		130000	0.07	7.2	6.7	2	2
1-Aug-02	1	87		77180		129001	1.04	7	6.6	2	3
1-Sep-02	1	30		54029		152878		6.8	6.5	2	2
1-Oct-02	1	3		5485		16608	0.07	6.9	6.3	1	2
1-Nov-02											
1-Dec-02											
1-Jan-03											
1-Feb-03											
1-Mar-03											
1-Apr-03	1	3		2530		30213	0.03	7	6.4	2	3
1-May-03	1	3		42113		59033	0.09	6.9	6.5	2	3
1-Jun-03	1	3	73990		101456		0.11	7	6.6	2	3
1-Jul-03	1	43	76555		119390		0.11	6.9	6.5	2	3
1-Aug-03	3	108	60973		76441		0.08	7	6.5	2	3
1-Sep-03	37	404	39910		102958		0.12	7.2	6.3	2	3
1-Oct-03	4	40	15917		32571		0.01	7.2	7	0.6	1
1-Nov-03											
1-Dec-03											

Maximum	37.0	404.0	76555.0	77180.0	119390.0	457059.0	2.6	7.9	7.0	2.0	3.0
Minimum	0.0	1.0	15917.0	0.0	32571.0	0.0	0.0	6.6	5.8	0.3	0.5
Average	1.8	29.8	53469.0	33066.6	86563.2	81150.9	0.4	7.2	6.5	1.4	2.4


King County South Plant - Water Reclamation and Reuse
Gallons per Day
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
35643 35765 35886 36008 36130 36251 36373 36495 36617 36739 36861 36982 37104 37226 37347 37469 37591 37712 37834 37956
Month-Year
FLOW, IN CONDUIT OR THRU TREATMENT PLANT AVG GPD
FLOW, IN CONDUIT OR THRU TREATMENT PLANT MAX GPD