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February 11, 2014

Carey Cholski
Permit Administrator
Washington State Dept. of Ecology
PO Box 47775
Olympia, WA 98504-7775

RE: 2013 Infiltration and Inflow Report
WA0023639

Dear Ms. Cholski:

Enclosed you will find the 2013 Infiltration and Inflow Report for the Salmon Creek Treatment Plant prepared by Clark Regional Wastewater District (District). This report is being submitted as required by the NPDES Permit No. WA0023639.

If you have any questions, please contact me at 360.993.8821 or by email at rkrause@crwwd.com.

Sincerely,

A handwritten signature in black ink that reads "Robin Krause".

J.D. Robin Krause, PE
District Engineer

Enclosure

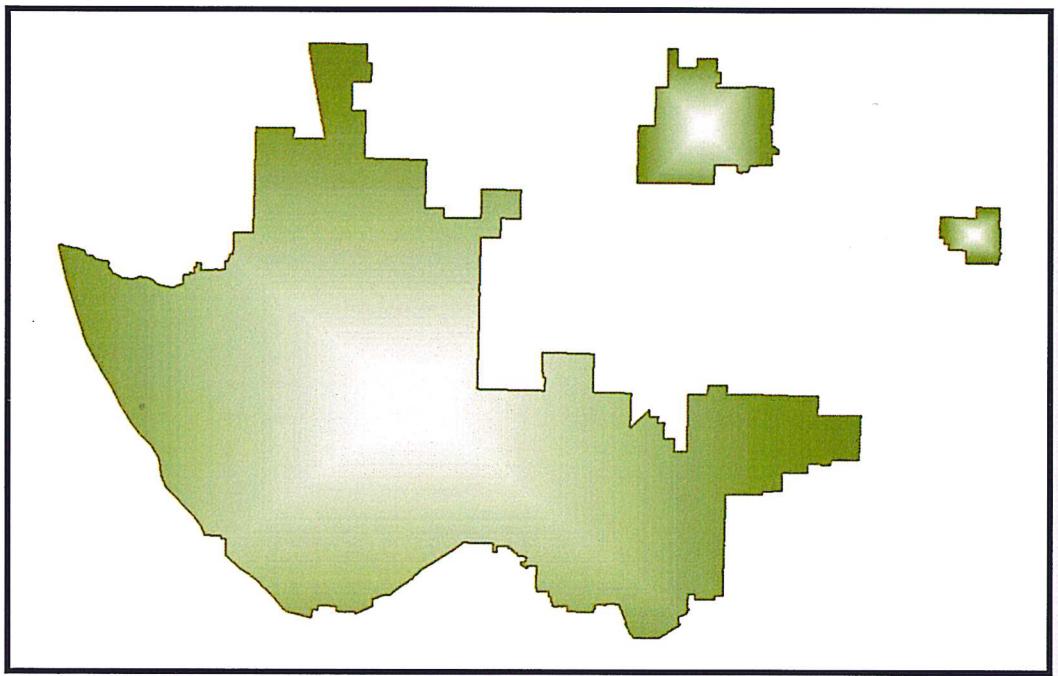
C: David Knight, Pretreatment Coordinator, Washington State Dept. of Ecology
Kay Hust, Wastewater Operations Manager, Salmon Creek Treatment Plant



2013

Clark Regional Wastewater District

Infiltration and Inflow Report



February 10, 2014

In Compliance with the NPDES Waste Discharge Permit
No. WA-002363-9 Special Condition S4.E



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Clark Regional Wastewater District
INFILTRATION AND INFLOW REPORT

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2013 Infiltration and Inflow Report

Clark Regional Wastewater District

OVERVIEW

The Clark Regional Wastewater District was formed in 1958. The District has always maintained a comprehensive construction specification, inspection and maintenance program to minimize infiltration and inflow into the system. As a result, the system flow characteristics perform well below the non-excessive criteria as established in the EPA Infiltration/Inflow Analysis and Project Certification (publication 97-03).

ANALYSIS

The District's average dry weather and wet weather flows are well below what would generally be considered excessive. Average dry weather flows greater than 120 gpcd generally indicate excessive infiltration. Infiltration occurs during periods of high seasonal groundwater and dry weather with little or no rainfall. The District's infiltration remains well below excessive at only 79 gpcd. Average wet weather flows greater than 275 gpcd generally indicate excessive inflow. Inflow occurs during periods of wet weather with significant rainfall resulting in ponding and surface runoff. The District's inflow remains well below excessive at only 87 gpcd.

For the purpose of this report, population calculations have been based on population equivalents. This method calculates a population based on the total number of Equivalent Residential Units (ERU's) multiplied by the planning assumption of people per ERU. This assumption is 2.43 people per ERU for the Salmon Creek Treatment Plant (CH2M Hill, 2004 SCTP Phase 4). The calculation for population equivalent effectively includes commercial and industrial ERU's in addition to residents of the area. At the beginning of 2013 the District had a population equivalent of roughly 74,000 in the Salmon Creek tributary area.

Flow data during 2013 includes several gaps in the data due to construction activities at the Battle Ground Equalization Basin. Flow meters for Battle Ground influent and effluent, Meadow Glade, and Hockinson were all offline at times between June and December. Flow data for those out-of-service periods are estimated based on flows from adjacent days and active rainfall (highlighted on flow reports). This was limited to 50 total days of data during 2013. However, it is important to note that only actual data was used for conducting the excessive inflow and infiltration calculations.

As shown on the attached Annual Infiltration/Inflow Report (I/I), the District's 2013 I/I of 1.07 MGD represents a 3% decrease compared to the 2003 base year. This is the lowest I/I year on record over the last 16 years. This is obviously due in part to the substantially low annual precipitation received, roughly 50% of annual average.

To better understand I/I trends in the system, the District reviews the average monthly flows and rainfall between January 1997 and December 2013. Table 1 shows that prior to 2013 the lowest I/I year on record was 2003. The District's I/I averaged 1.43 over the past 16 years. Looking more closely at rainfall, the District's average I/I for those years prior to 2013 that exceeded 40 inches of total rainfall is 1.63. Based on the historical performance and excessive inflow and infiltration calculations, the 2013 I/I of 1.07 does not lead us to believe that the system is experiencing higher than normal I/I.

TABLE 1
1997-2013 I/I AND RAINFALL

Year	Min of Average Monthly Flow (MGD)	Max of Average Monthly Flow (MGD)	I/I	Annual Rainfall
1997	3.90	5.73	1.84	48.18
1998	4.27	5.48	1.22	45.73
1999	4.20	5.92	1.72	43.87
2000	4.41	5.23	0.82	32.89
2001	4.39	5.74	1.35	36.41
2002	4.34	5.53	1.19	34.01
2003	4.63	5.72	1.10	41.02
2004	4.77	5.94	1.17	35.21
2005	4.79	5.90	1.11	34.82
2006	4.92	7.04	2.12	42.96
2007	5.12	6.64	1.52	34.14
2008	5.13	6.48	1.35	28.79
2009	5.11	6.39	1.28	31.93
2010	5.24	7.00	1.75	42.07
2011	5.05	6.99	1.95	30.77
2012	5.19	7.19	2.00	41.65
2013	5.32	6.39	1.07	21.19
Average	-	-	1.80	36.80

Monitoring Program and Rehabilitation Projects

Intro

The District places an emphasis on good design and inspection to minimize infiltration and inflow into the system. However, as pipes age, we have to turn to a variety of methods for the monitoring and identification of I/I. This includes yearly review of pump station records, treatment plant flow reports, trunk line flow monitoring, smoke testing, visual inspection of manholes and closed circuit television (CCTV) camera inspection. Through these efforts, the District is able to locate areas of concern for follow-up investigation and correction.

Cross-Connections

For issues on private property (i.e., stormwater cross connections, roof drains or broken laterals), the District contacts the homeowner and works with them to correct the situation. The District typically addresses issues that are within public right-of-way. All side sewer connections (between right-of-way and building envelope) are permitted and inspected by the District.

New Construction

The District addresses inflow and infiltration by inspecting all new systems during construction, including all mainlines, manholes and individual laterals. In addition, during plan review and field inspection, the District reviews the need for inflow dishes or watertight locking lids to control inflow. The District addresses infiltration by requiring manhole joints to be externally sealed in areas of high groundwater, vacuum testing of 50 percent of all new manholes and air testing of all new gravity mainlines.

Flow Monitoring

The District owns several FloDar ultrasonic flow meters that are used to measure flows where I/I is suspected. The District also monitors its 50 pump stations as well as our four motor operated valves (MOV's). Daily and annual reviews of the flow data help us identify the potential for I/I. In addition, the two satellite service areas (Meadow Glade and Hockinson) that are served by STEP systems have individual flow meters at their termination, so the District is able to review flow characteristics of these systems.

We deployed and collected flow data from our 15 FloDar ultrasonic flow meters during both wet and dry weather flows. Dry weather data was collected during the summer months and wet weather data is currently being collected. The District will re-deploy the meters into particular sub-basins suspected of experiencing the greatest amount of I/I. This data will inform more robust efforts to eliminate I/I in the District's system in the future.

Rehabilitation

The District inspects all gravity mains and trunk sewers with CCTV camera every eight years to assess condition, I/I and other related issues. The District also actively manages a six-year capital program. The six-year program includes an annual "I/I program" as well as a "Spot Repair" program component. Both programs provide for completion of specific projects that can and do reduce I/I in the system. In 2013 approximately \$100,000 of improvements were constructed for both programs combined. In addition, the District initiated design work to restore portions of two trunk lines with demonstrated I/I: St. Johns and Cougar Canyon.

APPENDIX A

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

The following tables and guidelines have been developed to assist in preparing an Annual Infiltration/Inflow Report:
 Please provide data for the last three years and fill yellow shaded areas.

Salmon Creek Wastewater Treatment Plant

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

Reporting Year: From: 2011 To: 2013

Max month design flow: 11.48 MGD (District allocation beginning in 2009)

Peak daily design flow: 15.31 MGD

Design Population Equivalent: 86,989

Month	Average Monthly Flow (MGD)			Total Monthly Rainfall (inches)			Population Served			Additional Sewer Lines Added (feet)			
	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	
	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013	
January	6.76	6.28	6.39	4.19	5.51	2.63	72070	72871	73986	1272	399	873	
February	6.11	5.82	5.99	3.81	3.45	1.36	72232	73033	74089	162	1849	8107	
March	6.99	6.66	5.74	5.02	6.17	1.43	72294	73253	74172	32	1850	747	
April	6.55	6.39	5.78	3.55	2.24	2.19	72351	73309	74319	0	3939	1312	
May	6.10	5.98	5.81	1.96	2.06	2.94	72411	73392	74410	0	739	0	
June	5.80	5.85	5.68	0.50	2.54	1.41	72450	73497	74512	1286	25	1537	
July	5.42	5.47	5.39	0.92	0.21	0.01	72515	73563	74646	1213	510	2223	
August	5.23	5.27	5.32	0.01	0.00	0.39	72564	73647	74799	20	2510	2333	
September	5.11	5.19	5.65	0.33	0.07	4.25	72606	73696	74967	0	2050	0	
October	5.20	5.45	5.43	1.95	5.61	0.93	72693	73789	75135	0	15	879	
November	5.59	6.32	5.62	6.59	6.87	2.04	72720	73837	75278	10	2385	5464	
December	5.05	7.19	5.77	1.94	6.92	1.61	72781	73854	75364	49	0	2833	
TOTAL	69.90	71.87	68.56	30.77	41.65	21.19				Total (feet)	4044	16271	26308
Low	5.05	5.19	5.32							Total (miles)	0.77	3.08	4.98
High	6.99	7.19	6.39										
Average	5.83	5.99	5.71										
I/I	1.95	2.00	1.07										

Base Year: 2003

Base Year I/I: 1.1 MGD

INFILTRATION/INFLOW SUMMARY

Year	I/I	% increase from base I/I	% of max mo. design flow
2011	1.95	77	17
2012	2.00	82	17
2013	1.07	-3	9

Comments: See report.


 J.D. Robin Krause, PE

District Engineer





APPENDIX B

FLOW ANALYSIS DATA

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2013 to 12/31/2013

FLOW AND PRECIPITATION DATA

MONTH	Average Monthly Flow (MGD)			Total Monthly Precipitation (inches)								
	2008	2009	2010	2011	2012	2013	2008	2009	2010	2011	2012	2013
Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
January	6.48	6.39	6.48	6.76	6.28	6.39	6.17	4.96	6.29	4.19	5.51	2.63
February	6.13	5.45	6.08	6.11	5.82	5.99	2.41	1.40	3.72	3.81	3.45	1.36
March	5.90	5.57	5.87	6.99	6.66	5.74	3.79	2.95	2.20	5.02	6.17	1.43
April	5.70	5.64	5.91	6.55	6.39	5.78	2.48	2.42	2.37	3.55	2.24	2.19
May	5.48	5.73	5.79	6.10	5.98	5.81	1.35	3.39	3.66	1.96	2.06	2.94
June	5.48	5.38	6.34	5.80	5.85	5.68	1.27	1.07	4.35	0.50	2.54	1.41
July	5.21	5.14	5.36	5.42	5.47	5.39	0.25	0.43	0.15	0.92	0.21	0.01
August	5.15	5.11	5.24	5.23	5.27	5.32	1.51	0.38	0.21	0.01	0.00	0.39
September	5.13	5.13	5.35	5.11	5.19	5.65	0.08	1.44	1.81	0.33	0.07	4.25
October	5.13	5.19	5.45	5.20	5.45	5.43	1.80	2.89	3.31	1.95	5.61	0.93
November	5.57	5.73	6.32	5.59	6.32	5.62	4.61	5.73	5.97	6.59	6.87	2.04
December	5.66	5.88	7.00	5.05	7.19	5.77	3.07	4.87	8.03	1.94	6.92	1.61
Avg Flow / Total Rain	5.59	5.53	5.93	5.83	5.99	5.71	28.79	31.93	42.07	30.77	41.65	21.19
Low Month	5.13	5.11	5.24	5.05	5.19	5.32	0.08	0.38	0.15	0.01	0.00	0.01
High Month	6.48	6.39	7.00	6.99	7.19	6.39	6.17	5.73	8.03	6.59	6.92	4.25

Comments: Measured data presented in this report reflects the Clark Regional Wastewater District's capacity usage only.
Battle Ground usage is reported separately.

MONTH	2013 POPULATION AND SEWER LINE DATA			
	Year	Year	Year	Year
January	73986	873	873	873
February	74089	8107	8107	8107
March	74172	747	747	747
April	74319	1312	1312	1312
May	74410	0	0	0
June	74512	1537	1537	1537
July	74646	2223	2223	2223
August	74799	2333	2333	2333
September	74967	0	0	0
October	75135	879	879	879
November	75278	5464	5464	5464
December	75364	2833	2833	2833
Avg Present Equivalent	75364	Total (feet)	26308	26308
Total (miles)		Total (miles)	4.98	4.98

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

DETERMINATION OF NON EXCESSIVE INFILTRATION

EPA Infiltration Criteria	120 gpcd
District Infiltration	79 gpcd

Period	Flow	Rain	Population Equivalent
Jan 16	5.79	0.00	73986
Jan 17	5.78	0.00	73986
Jan 18	5.69	0.00	73986
Jan 19	5.90	0.00	73986
Jan 20	5.95	0.00	73986
Jan 21	6.27	0.00	73986
Jan 22	5.68	0.00	73986
Average Flow (MGD)	5.87	0.00	Inches Rain

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DETERMINATION OF NON EXCESSIVE INFLOW

EPA Inflow Criteria	275 gpcd
District Inflow	87 gpcd

Period	Flow	Rain	Population Equivalent
Jan 24	5.81	0.13	73986
Jan 25	6.94	0.10	73986
Jan 26	6.82	0.11	73986
Jan 27	6.13	0.13	73986
Jan 28	5.90	0.63	73986
Jan 29	7.10	0.32	73986
Jan 30	6.22	0.23	73986
Average Flow (MGD)	6.42	1.65	Inches Rain

Comments: The seven day period of January 16 through January 22, 2013 was identified as a dry weather period within a period of seasonal high groundwater.

Comments: The seven day period of January 24 through January 30, 2013 was identified as a period of significant rainfall with surface ponding and runoff.

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2013 to 12/31/2013

INFILTRATION/INFLOW SUMMARY

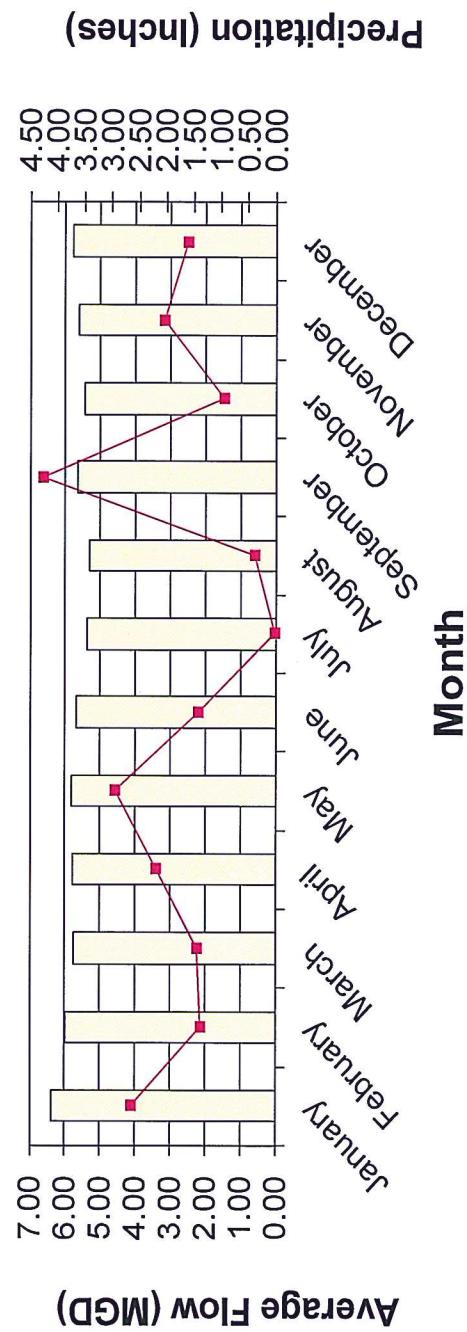
Year	I/I	% Over Max Base I/I	% of Max Design Flow	Base Year:	2003
2008	1.35	22.7%	13.1%		
2009	1.28	16.4%	12.4%		
2010	1.75	59.4%	15.3%		
2011	1.95	76.9%	16.9%		
2012	2.00	81.7%	17.4%		
2013	1.07	-2.6%	9.3%		

Comments: See Overview for I/I discussion.

PLANT DESIGN CAPACITY

Peak Design Flow:	21.74 MGD
Max Month Design Flow:	11.48 MGD
Design Population Equivalent:	86,989 People

2013 Average Flow and Precipitation



Comments: Design capacity represents total plant capacity. Present population and infiltration/inflow data included in this report represent Clark Regional Wastewater's usage only. Battle Ground usage is reported separately.

APPENDIX C

MONTHLY FLOW AND RAINFALL JANUARY – DECEMBER 2013

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
1/1/2013	188000	123000	1.67	1.47	1.78	-0.11	7.98	7.58	0.40	0.05	0.04
1/2/2013	181000	21400	1.79	1.59	1.75	0.04	7.72	7.34	0.38	0.00	0.07
1/3/2013	207000	23200	1.77	1.54	1.70	0.07	7.59	7.24	0.35	0.00	0.00
1/4/2013	171000	24100	1.74	1.54	1.68	0.05	7.45	7.20	0.25	0.15	0.01
1/5/2013	195000	14700	1.71	1.50	1.70	0.00	7.58	7.26	0.32	0.00	0.01
1/6/2013	241000	23700	2.02	1.75	1.73	0.29	7.79	7.49	0.30	0.09	0.11
1/7/2013	243000	34200	2.42	2.14	1.86	0.56	8.60	8.38	0.22	0.85	0.19
1/8/2013	237000	32700	2.26	1.99	2.21	0.05	8.20	8.00	0.20	0.25	0.06
1/9/2013	248000	34600	2.47	2.19	2.30	0.18	8.49	8.21	0.28	0.12	0.16
1/10/2013	226000	26900	2.18	1.93	2.21	-0.03	8.42	8.11	0.31	0.41	0.10
1/11/2013	183000	25400	2.06	1.85	1.98	0.08	7.91	7.59	0.32	0.03	0.01
1/12/2013	203000	18900	1.91	1.69	1.92	0.00	7.94	7.54	0.40	0.00	0.00
1/13/2013	212000	13500	1.78	1.55	1.80	-0.02	7.92	7.51	0.41	0.00	0.00
1/14/2013	225000	24500	1.75	1.50	1.36	0.39	7.52	7.17	0.36	0.00	0.01
1/15/2013	181000	20100	1.72	1.52	1.67	0.05	7.31	7.04	0.27	0.09	0.02
1/16/2013	200000	22000	1.66	1.43	1.58	0.07	7.15	6.86	0.28	0.00	0.00
1/17/2013	180000	23300	1.63	1.43	1.59	0.05	7.17	6.87	0.30	0.02	0.00
1/18/2013	157000	20100	1.62	1.44	1.57	0.05	7.08	6.80	0.28	0.00	0.00
1/19/2013	181000	10900	1.62	1.42	1.58	0.04	7.29	6.93	0.36	0.00	0.00
1/20/2013	197000	13600	1.59	1.38	1.49	0.10	7.22	6.86	0.36	0.00	0.00
1/21/2013	198000	9400	1.54	1.33	1.29	0.25	7.35	6.98	0.38	0.00	0.00
1/22/2013	173000	21200	1.50	1.31	1.49	0.02	6.97	6.65	0.32	0.00	0.00
1/23/2013	179000	20600	1.59	1.39	1.47	0.12	6.96	6.74	0.21	0.00	0.18
1/24/2013	198000	23800	1.74	1.51	1.59	0.14	7.13	6.89	0.23	0.26	0.13
1/25/2013	224000	26800	2.35	2.10	1.90	0.45	7.69	7.47	0.22	0.55	0.10
1/26/2013	161000	12900	1.59	1.42	1.90	-0.30	7.83	7.57	0.26	0.21	0.11
1/27/2013	259000	22100	2.13	1.85	1.96	0.17	8.09	7.80	0.29	0.20	0.13
1/28/2013	324000	70000	3.63	3.23	2.49	1.14	9.62	9.28	0.34	0.67	0.63
1/29/2013	255000	63800	3.72	3.40	3.00	0.72	11.97	11.48	0.50	1.83	0.32
1/30/2013	243000	61000	3.72	3.42	3.00	0.72	11.32	10.95	0.37	0.82	0.23
1/31/2013	162000	36300	2.65	2.45	2.96	-0.31	10.04	9.78	0.26	0.50	0.01
Total	6432000	808000	63.53	56.29	58.49	5.04	249.30	239.57	9.73	7.10	2.63
Min	157000	9400	1.50	1.31	1.29	-0.31	6.96	6.65	0.20	0.00	0.00
Max	324000	70000	3.72	3.42	3.00	1.14	11.97	11.48	0.50	1.83	0.63
Average	207484	26065	2.05	1.82	1.89	0.16	8.04	7.73	0.31	0.23	0.08

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
2/1/2013	146000	32800	2.46	2.28	2.44	0.02	8.97	8.73	0.24	0.03	0.00
2/2/2013	151000	18100	2.16	1.99	2.22	-0.06	8.71	8.41	0.30	0.02	0.00
2/3/2013	153000	15900	1.89	1.73	2.01	-0.12	8.40	8.11	0.30	0.01	0.00
2/4/2013	156000	28200	2.05	1.87	1.50	0.55	6.34	7.77	-1.43	0.00	0.00
2/5/2013	134000	25400	1.72	1.56	1.87	-0.15	7.69	7.58	0.11	0.12	0.06
2/6/2013	146000	25200	1.80	1.63	1.78	0.03	7.59	7.40	0.18	0.07	0.04
2/7/2013	150000	25100	1.97	1.79	1.78	0.19	7.55	7.32	0.23	0.09	0.02
2/8/2013	128000	21300	1.56	1.41	1.65	-0.09	7.27	7.05	0.23	0.00	0.00
2/9/2013	147000	14600	1.64	1.48	1.67	-0.03	7.44	7.18	0.25	0.00	0.00
2/10/2013	164000	10200	1.51	1.34	1.61	-0.10	7.50	7.22	0.28	0.00	0.00
2/11/2013	159000	23600	1.67	1.48	1.29	0.38	7.26	7.01	0.25	0.00	0.03
2/12/2013	159000	21500	1.66	1.48	1.67	0.00	7.19	7.04	0.15	0.24	0.01
2/13/2013	161000	21600	1.64	1.46	1.59	0.05	7.11	6.05	1.06	0.03	0.00
2/14/2013	169000	20500	1.59	1.40	1.60	-0.01	7.11	6.88	0.24	0.04	0.00
2/15/2013	160000	13600	1.64	1.47	1.56	0.08	7.04	6.85	0.19	0.00	0.06
2/16/2013	185000	12800	1.60	1.41	1.61	0.00	7.24	6.99	0.25	0.00	0.00
2/17/2013	197000	11800	1.67	1.46	1.53	0.14	7.15	6.88	0.27	0.12	0.04
2/18/2013	190000	10300	1.53	1.33	1.32	0.21	7.32	7.08	0.24	0.00	0.07
2/19/2013	192000	25300	1.71	1.50	1.68	0.04	7.14	6.95	0.19	0.10	0.01
2/20/2013	177000	24400	1.70	1.50	1.65	0.05	7.06	6.82	0.25	0.41	0.01
2/21/2013	223000	27100	2.17	1.92	1.71	0.45	7.13	6.91	0.21	0.15	0.49
2/22/2013	166000	36400	1.97	1.77	2.15	-0.18	8.06	7.83	0.23	0.28	0.04
2/23/2013	207000	18000	2.12	1.89	2.24	-0.12	8.36	8.09	0.28	0.65	0.00
2/24/2013	237000	20600	2.05	1.80	2.03	0.03	8.06	7.80	0.26	0.12	0.15
2/25/2013	190000	28600	1.96	1.74	1.55	0.41	7.81	7.59	0.22	0.13	0.00
2/26/2013	221000	27500	2.03	1.78	1.87	0.16	7.58	7.35	0.23	0.08	0.03
2/27/2013	203000	23000	1.67	1.44	1.72	-0.05	7.34	7.15	0.19	0.01	0.30
2/28/2013	227000	34400	2.15	1.89	2.12	0.03	8.28	8.19	0.09	0.32	0.00
Total	4898000	617800	51.29	45.77	49.38	1.91	211.71	206.22	5.49	3.02	1.36
Min	128000	10200	1.51	1.33	1.29	-0.18	6.34	6.05	-1.43	0.00	0.00
Max	237000	36400	2.46	2.28	2.44	0.55	8.97	8.73	1.06	0.65	0.49
Average	174929	22064	1.83	1.63	1.76	0.07	7.56	7.36	0.20	0.11	0.05

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall SC Rainfall
3/1/2013	167000	27000	1.91	1.72	1.98	-0.07	7.75	7.66	0.09	0.33 0.00
3/2/2013	218000	22500	1.94	1.69	1.92	0.01	7.80	7.61	0.19	0.00 0.02
3/3/2013	243000	19800	1.82	1.55	1.80	0.02	7.77	7.50	0.28	0.10 0.00
3/4/2013	204000	24900	1.77	1.54	1.39	0.38	7.48	7.26	0.22	0.00 0.01
3/5/2013	205000	28400	2.04	1.80	1.72	0.32	7.32	7.14	0.17	0.00 0.15
3/6/2013	198000	26700	1.63	1.41	1.84	-0.21	7.59	7.44	0.15	0.25 0.15
3/7/2013	201000	26200	1.79	1.57	1.82	-0.02	7.46	7.31	0.14	0.26 0.00
3/8/2013	164000	24500	1.72	1.53	1.71	0.01	7.25	7.08	0.17	0.00 0.00
3/9/2013	173000	12700	1.55	1.36	1.67	-0.12	7.33	7.09	0.23	0.00 0.00
3/10/2013	237000	16300	1.68	1.43	1.60	0.08	7.41	7.18	0.23	0.00 0.01
3/11/2013	199000	20900	1.64	1.42	1.27	0.37	6.90	6.75	0.14	0.02 0.00
3/12/2013	185000	20600	1.57	1.37	1.55	0.02	6.70	6.59	0.11	0.01 0.00
3/13/2013	181000	21300	1.51	1.31	1.49	0.03	6.59	6.47	0.12	0.00 0.00
3/14/2013	184000	20200	1.54	1.33	1.52	0.02	6.61	6.50	0.11	0.00 0.00
3/15/2013	170000	20400	1.58	1.39	1.46	0.12	6.48	6.37	0.11	0.00 0.05
3/16/2013	191000	10700	1.62	1.42	1.56	0.06	6.83	6.64	0.20	0.01 0.04
3/17/2013	183000	13600	1.48	1.29	1.58	-0.09	7.12	6.86	0.26	0.31 0.00
3/18/2013	217000	21900	1.59	1.35	1.18	0.41	6.74	6.52	0.21	0.04 0.46
3/19/2013	197000	27900	1.74	1.51	1.59	0.15	6.73	6.56	0.18	0.00 0.29
3/20/2013	225000	26300	2.05	1.80	2.02	0.04	7.73	7.64	0.08	0.77 0.09
3/21/2013	211000	26300	1.92	1.69	1.91	0.01	7.31	7.09	0.22	0.27 0.11
3/22/2013	185000	31900	1.87	1.66	1.80	0.07	7.15	6.91	0.24	0.15 0.01
3/23/2013	194000	19200	1.69	1.48	1.77	-0.07	7.23	6.98	0.25	0.10 0.00
3/24/2013	234000	20700	1.75	1.49	1.69	0.06	7.33	7.05	0.27	0.00 0.04
3/25/2013	204000	19600	1.67	1.45	1.27	0.40	7.01	6.83	0.18	0.00 0.00
3/26/2013	196000	19100	1.62	1.40	1.61	0.01	6.80	6.64	0.17	0.04 0.00
3/27/2013	198000	20100	1.58	1.37	1.52	0.07	6.94	6.80	0.14	0.02 0.00
3/28/2013	179000	16000	1.52	1.33	1.52	0.00	6.95	6.82	0.13	0.06 0.00
3/29/2013	185000	16000	1.61	1.41	1.48	0.13	6.89	6.76	0.13	0.00 0.00
3/30/2013	205000	9700	1.61	1.40	1.52	0.09	7.09	6.92	0.17	0.00 0.00
3/31/2013	186000	11700	1.23	1.04	1.39	-0.16	6.90	6.73	0.16	0.00 0.00
Total	6119000	643100	52.26	45.50	50.14	2.12	221.18	215.71	5.47	2.74 1.43
Min	164000	9700	1.23	1.04	1.18	-0.21	6.48	6.37	0.08	0.00 0.00
Max	243000	31900	2.05	1.80	2.02	0.41	7.80	7.66	0.28	0.77 0.46
Average	197387	20745	1.69	1.47	1.62	0.07	7.13	6.96	0.18	0.09 0.05

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall SC Rainfall
4/1/2013	187000	9100	1.59	1.40	1.14	0.45	6.69	6.58	0.12	0.00 0.00
4/2/2013	163000	6900	1.23	1.06	1.37	-0.14	6.50	6.40	0.10	0.00 0.00
4/3/2013	174000	8300	1.34	1.16	1.30	0.04	6.40	6.28	0.11	0.00 0.00
4/4/2013	155000	9100	1.48	1.32	1.43	0.06	6.66	6.61	0.05	0.00 0.23
4/5/2013	200000	110000	1.66	1.45	1.49	0.17	6.73	6.64	0.09	0.39 0.20
4/6/2013	212000	14500	1.83	1.60	1.71	0.12	7.33	7.18	0.15	0.41 0.40
4/7/2013	275000	20400	2.11	1.82	2.15	-0.04	8.52	8.30	0.22	0.67 0.31
4/8/2013	251000	29700	2.16	1.88	1.50	0.66	7.80	7.59	0.21	0.47 0.03
4/9/2013	197000	22100	1.61	1.39	1.82	-0.20	7.42	7.26	0.17	0.05 0.00
4/10/2013	209000	23700	1.74	1.51	1.70	0.04	7.21	7.12	0.10	0.00 0.07
4/11/2013	202000	23200	1.70	1.48	1.68	0.02	7.16	7.00	0.16	0.11 0.02
4/12/2013	191000	25400	1.82	1.61	1.66	0.16	7.08	6.89	0.19	0.00 0.11
4/13/2013	217000	13100	1.77	1.54	1.81	-0.04	7.51	7.29	0.22	0.38 0.08
4/14/2013	237000	14500	1.73	1.47	1.73	0.00	7.54	7.26	0.27	0.11 0.00
4/15/2013	211000	25900	1.67	1.44	1.30	0.37	7.23	7.01	0.22	0.01 0.11
4/16/2013	196000	24300	1.61	1.39	1.61	0.00	7.00	6.79	0.21	0.08 0.12
4/17/2013	196000	20900	1.56	1.34	1.51	0.05	6.86	6.59	0.28	0.02 0.00
4/18/2013	197000	21700	1.63	1.41	1.53	0.10	6.81	6.48	0.33	0.00 0.06
4/19/2013	182000	31600	2.00	1.78	2.03	-0.03	7.76	7.95	-0.19	0.61 0.41
4/20/2013	221000	16800	1.89	1.65	1.89	0.00	7.66	7.70	-0.04	0.32 0.00
4/21/2013	251000	15600	1.79	1.52	1.72	0.07	7.55	7.38	0.17	0.00 0.01
4/22/2013	185000	20400	1.70	1.50	1.33	0.37	7.29	7.09	0.20	0.02 0.00
4/23/2013	205000	23200	1.79	1.56	1.63	0.16	7.06	6.88	0.18	0.00 0.00
4/24/2013	206000	19100	1.41	1.19	1.52	-0.11	6.91	6.72	0.19	0.00 0.00
4/25/2013	188000	22300	1.53	1.32	1.53	0.00	6.89	6.71	0.17	0.00 0.00
4/26/2013	200000	22500	1.76	1.53	1.47	0.29	6.76	6.43	0.33	0.00 0.00
4/27/2013	138000	7800	1.19	1.05	1.46	-0.27	6.88	6.30	0.58	0.00 0.00
4/28/2013	226000	11400	1.53	1.29	1.47	0.06	7.05	6.49	0.56	0.00 0.00
4/29/2013	152000	21800	1.52	1.34	1.17	0.35	6.94	7.04	-0.10	0.13 0.03
4/30/2013	220000	19200	1.45	1.21	1.44	0.01	6.72	6.60	0.12	0.03 0.00
Total	6044000	555500	49,81	43,21	47,08	2,73	213,94	208,59	5,35	3,81 2,19
Min	138000	6900	1.19	1.05	1.14	-0.27	6.40	6.28	-0.19	0.00 0.00
Max	275000	31600	2.16	1.88	2.15	0.66	8.52	8.30	0.58	0.67 0.41
Average	201467	18517	1.66	1.44	1.57	0.09	7.13	6.95	0.18	0.13 0.07

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
5/1/2013	181000	19800	1.44	1.23	1.38	0.06	6.57	6.72	-0.15	0.00	0.00
5/2/2013	157000	19000	1.39	1.22	1.28	0.12	6.52	6.64	-0.12	0.00	0.00
5/3/2013	163000	20300	1.33	1.15	1.52	-0.19	6.76	6.65	0.11	0.00	0.00
5/4/2013	183000	9400	1.40	1.21	1.42	-0.02	6.79	6.61	0.17	0.00	0.00
5/5/2013	210000	11200	1.39	1.17	1.38	0.02	6.90	6.69	0.22	0.00	0.00
5/6/2013	185000	18900	1.40	1.19	1.13	0.27	6.86	6.66	0.20	0.00	0.00
5/7/2013	175000	19000	1.32	1.13	1.33	-0.01	6.59	6.42	0.17	0.00	0.00
5/8/2013	151000	18600	1.35	1.18	1.27	0.08	6.45	6.27	0.18	0.00	0.00
5/9/2013	186000	20900	1.28	1.08	1.25	0.04	6.46	6.32	0.15	0.00	0.00
5/10/2013	142000	18000	1.29	1.13	1.36	-0.06	6.57	6.40	0.17	0.00	0.00
5/11/2013	186000	7500	1.34	1.15	1.30	0.04	6.65	6.47	0.18	0.00	0.00
5/12/2013	189000	7500	1.32	1.12	1.27	0.05	6.81	6.60	0.22	0.00	0.02
5/13/2013	183000	18500	1.37	1.16	1.09	0.28	6.80	6.74	0.06	0.18	0.02
5/14/2013	165000	18000	1.32	1.14	1.32	0.00	6.59	6.63	-0.04	0.06	0.00
5/15/2013	169000	17500	1.31	1.12	1.25	0.06	6.52	6.34	0.18	0.00	0.01
5/16/2013	159000	20900	1.26	1.08	1.27	0.00	6.55	6.70	-0.15	0.04	0.24
5/17/2013	157000	13700	1.39	1.22	1.26	0.14	6.53	6.42	0.11	0.05	0.10
5/18/2013	158000	7500	1.24	1.08	1.28	-0.04	6.70	6.57	0.13	0.00	0.00
5/19/2013	184000	8700	1.21	1.02	1.24	-0.03	6.73	6.56	0.17	0.08	0.00
5/20/2013	172000	16700	1.32	1.14	1.04	0.28	6.64	6.49	0.15	0.00	0.04
5/21/2013	149000	19200	1.39	1.23	1.36	0.03	6.79	6.62	0.17	0.04	0.05
5/22/2013	179000	31600	2.10	1.89	1.78	0.32	7.38	7.22	0.15	0.43	0.78
5/23/2013	192000	40100	2.42	2.19	2.33	0.09	9.03	8.90	0.14	1.89	0.01
5/24/2013	191000	31900	2.19	1.97	2.38	-0.19	8.98	8.87	0.10	1.00	0.14
5/25/2013	196000	17000	1.92	1.71	1.98	-0.05	7.89	7.70	0.19	0.10	0.09
5/26/2013	192000	16500	1.75	1.54	1.71	0.04	7.40	7.28	0.13	0.10	0.21
5/27/2013	266000	24400	2.31	2.02	1.81	0.50	8.61	8.40	0.22	0.22	0.78
5/28/2013	205000	27900	1.96	1.73	1.94	0.02	7.93	7.77	0.16	0.40	0.04
5/29/2013	231000	30000	2.27	2.00	2.12	0.14	8.08	7.94	0.14	0.31	0.30
5/30/2013	238000	27600	2.27	2.00	2.31	-0.04	8.22	8.06	0.16	0.51	0.11
5/31/2013	206000	27000	2.16	1.93	2.06	0.10	7.75	7.59	0.16	0.25	0.00
Total	5700000	604800	49.43	43.12	47.39	2.04	221.05	217.22	3.83	5.66	2.94
Min	142000	7500	1.21	1.02	1.04	-0.19	6.45	6.27	-0.15	0.00	0.00
Max	266000	40100	2.42	2.19	2.38	0.50	9.03	8.90	0.22	1.89	0.78
Average	183871	19510	1.59	1.39	1.53	0.07	7.13	7.01	0.12	0.18	0.09

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Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BGEff MGD	Diff MGD	SCInf MGD	SC Eff MGD	Dif MGD	BG Rainfall	SC Rainfall
6/1/2013	211000	16600	1.87	1.65	1.87	0.01	7.60	7.42	0.18	0.00	0.00
6/2/2013	304000	13300	1.59	1.27	1.72	-0.13	7.59	7.39	0.20	0.00	0.00
6/3/2013	121000	20600	1.70	1.56	1.32	0.38	7.32	7.15	0.17	0.00	0.00
6/4/2013	169000	20800	1.62	1.43	1.60	0.02	7.10	6.94	0.16	0.00	0.00
6/5/2013	206000	20800	1.54	1.32	1.50	0.05	6.94	6.82	0.11	0.00	0.00
6/6/2013	183000	19300	1.54	1.34	1.51	0.03	6.95	6.83	0.12	0.00	0.00
6/7/2013	192000	20900	1.63	1.41	1.47	0.16	6.86	6.71	0.14	0.00	0.00
6/8/2013	172000	9500	1.35	1.16	1.44	-0.10	6.89	6.69	0.20	0.00	0.00
6/9/2013	182000	11700	1.46	1.27	1.45	0.02	7.03	6.83	0.20	0.00	0.00
6/10/2013	188000	17900	1.44	1.23	1.12	0.32	6.90	6.74	0.16	0.00	0.00
6/11/2013	171000	15300	1.42	1.23	1.40	0.02	6.73	6.59	0.14	0.00	0.07
6/12/2013	174000	13600	1.50	1.31	1.41	0.09	6.73	6.59	0.15	0.08	0.33
6/13/2013	142000	13700	1.70	1.54	1.67	0.03	7.22	7.12	0.10	0.65	0.32
6/14/2013	170000	13100	1.59	1.40	1.52	0.07	6.96	6.84	0.12	0.29	0.00
6/15/2013	147000	13100	1.47	1.31	1.48	-0.01	6.97	6.82	0.15	0.00	0.00
6/16/2013	156000	9600	1.41	1.25	1.41	0.00	6.92	6.76	0.17	0.00	0.00
6/17/2013	189000	12900	1.48	1.28	1.13	0.34	6.97	6.83	0.14	0.00	0.00
6/18/2013	135000	10400	1.36	1.21	1.36	-0.01	6.70	6.57	0.14	0.00	0.11
6/19/2013	139000	11000	1.41	1.26	1.32	0.09	6.64	7.33	-0.69	0.05	0.01
6/20/2013	163000	10900	1.38	1.21	1.37	0.01	6.65	6.58	0.07	0.10	0.10
6/21/2013	128000	10300	1.39	1.25	1.36	0.03	6.65	6.49	0.16	0.18	0.00
6/22/2013	130000	9400	1.31	1.17	1.32	-0.01	6.63	6.48	0.15	0.00	0.00
6/23/2013	132000	14400	1.59	1.45	1.37	0.22	6.76	6.64	0.12	0.04	0.10
6/24/2013	181000	13400	1.64	1.45	1.27	0.37	7.36	7.29	0.07	0.99	0.18
6/25/2013	153000	10800	1.61	1.45	1.57	0.05	6.98	6.91	0.07	0.06	0.08
6/26/2013	153000	8900	1.61	1.45	1.56	0.05	6.97	6.05	0.92	0.67	0.11
6/27/2013	157000	10300	1.53	1.36	1.53	0.01	6.88	6.81	0.07	0.01	0.00
6/28/2013	134000	7900	1.54	1.40	1.45	0.09	6.75	6.66	0.09	0.00	0.00
6/29/2013	157000	6400	1.47	1.31	1.43	0.05	6.79	6.65	0.14	0.00	0.00
6/30/2013	165000	8000	1.33	1.16	1.38	-0.05	6.78	6.63	0.15	0.00	0.00
Total	5004000	394800	45.47	40.07	43.29	2.19	208.22	204.15	4.07	3.12	1.41
Min	121000	6400	1.31	1.16	1.12	-0.13	6.63	6.05	-0.69	0.00	0.00
Max	304000	20900	1.87	1.65	1.87	0.38	7.60	7.42	0.92	0.99	0.33
Average	166800	13160	1.52	1.34	1.44	0.07	6.94	6.80	0.14	0.10	0.05

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Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
7/1/2013	0	7500	1.42	1.41	1.13	0.29	6.82	7.20	-0.38	0.00	0.00
7/2/2013	0	7300	1.39	1.38	1.36	0.03	6.73	6.80	-0.06	0.00	0.00
7/3/2013	0	7300	1.41	1.40	1.34	0.07	6.55	6.45	0.10	0.00	0.00
7/4/2013	0	7100	1.22	1.21	1.25	-0.03	6.48	6.32	0.16	0.00	0.00
7/5/2013	0	5900	1.29	1.28	1.28	0.01	6.30	6.14	0.16	0.00	0.00
7/6/2013	0	9700	1.31	1.30	1.29	0.02	6.44	6.28	0.17	0.00	0.00
7/7/2013	0	8900	1.38	1.37	1.28	0.10	6.63	6.47	0.16	0.00	0.00
7/8/2013	0	9100	1.34	1.33	1.08	0.26	6.62	6.50	0.11	0.00	0.00
7/9/2013	0	8800	1.32	1.31	1.29	0.03	6.50	6.27	0.23	0.00	0.00
7/10/2013	0	8000	1.33	1.33	1.26	0.08	6.43	5.37	1.06	0.00	0.00
7/11/2013	0	7900	1.24	1.23	1.25	-0.01	6.40	5.70	0.70	0.00	0.00
7/12/2013	0	7000	1.31	1.30	1.24	0.07	6.37	6.07	0.30	0.00	0.00
7/13/2013	0	7800	1.27	1.26	1.23	0.04	6.37	6.27	0.11	0.00	0.00
7/14/2013	0	7900	1.21	1.21	1.20	0.02	6.44	6.33	0.11	0.00	0.00
7/15/2013	0	10800	1.32	1.31	1.04	0.28	6.48	6.37	0.11	0.00	0.00
7/16/2013	0	6800	1.22	1.22	1.21	0.02	6.33	6.07	0.26	0.00	0.01
7/17/2013	0	7900	1.24	1.24	1.18	0.06	6.29	5.96	0.34	0.00	0.00
7/18/2013	0	7300	1.22	1.21	1.20	0.02	6.31	5.92	0.39	0.00	0.00
7/19/2013	0	7800	1.18	1.17	1.19	-0.01	6.31	6.02	0.29	0.00	0.00
7/20/2013	0	6200	1.15	1.14	1.16	-0.01	6.30	6.08	0.22	0.00	0.00
7/21/2013	0	10800	1.31	1.30	1.17	0.14	6.43	6.38	0.05	0.00	0.00
7/22/2013	0	9900	1.25	1.24	1.00	0.25	6.44	6.41	0.03	0.00	0.00
7/23/2013	0	9600	1.21	1.20	1.20	0.02	6.32	6.13	0.18	0.00	0.00
7/24/2013	0	7800	1.33	1.33	1.16	0.17	6.26	5.95	0.31	0.00	0.00
7/25/2013	0	6400	1.09	1.08	1.17	-0.08	6.26	6.17	0.09	0.00	0.00
7/26/2013	0	8200	1.20	1.19	1.14	0.06	6.19	6.62	-0.43	0.00	0.00
7/27/2013	0	11100	1.18	1.16	1.15	0.03	6.23	6.20	0.03	0.00	0.00
7/28/2013	0	12500	1.16	1.15	1.13	0.03	6.34	6.26	0.08	0.00	0.00
7/29/2013	0	9000	1.48	1.47	1.00	0.49	6.43	6.40	0.04	0.00	0.00
7/30/2013	0	9200	1.11	1.10	1.18	-0.07	6.26	6.21	0.05	0.00	0.00
7/31/2013	168600	6100	1.05	0.87	1.12	-0.07	6.16	6.14	0.01	0.00	0.00
Total	168600	257600	39.13	38.70	36.87	2.26	198.42	193.45	4.97	0.00	0.01
Min	0	5900	1.05	0.87	1.00	-0.08	6.16	5.37	-0.43	0.00	0.00
Max	168600	12500	1.48	1.47	1.36	0.49	6.82	7.20	1.06	0.00	0.01
Average	5439	8310	1.26	1.25	1.19	0.07	6.40	6.24	0.16	0.00	0.00

Maintenance being performed on Meadow Glade meter July 1-30, 2013

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
8/1/2013	147300	7000	1.21	1.06	1.17	0.04	6.25	6.22	0.03	0.00	0.04
8/2/2013	139700	7300	1.29	1.14	1.15	0.14	6.24	6.23	0.00	0.10	0.00
8/3/2013	140300	6000	1.16	1.01	1.16	-0.01	6.32	6.32	0.00	0.00	0.00
8/4/2013	165100	8800	1.13	0.96	1.14	-0.01	6.40	6.35	0.06	0.00	0.00
8/5/2013	144100	7000	1.28	1.13	0.99	0.29	6.42	6.38	0.04	0.00	0.00
8/6/2013	155500	8800	1.16	1.00	1.16	0.00	6.27	6.07	0.20	0.00	0.00
8/7/2013	143800	7000	1.17	1.02	1.12	0.05	6.25	5.94	0.31	0.00	0.00
8/8/2013	142400	10100	1.17	1.02	1.15	0.02	6.34	6.11	0.23	0.00	0.00
8/9/2013	156500	8100	1.24	1.07	1.13	0.11	6.26	6.06	0.20	0.00	0.00
8/10/2013	163000	4500	1.15	0.98	1.13	0.02	6.32	6.31	0.01	0.02	0.00
8/11/2013	175900	5700	1.24	1.06	1.14	0.11	6.37	6.32	0.06	0.03	0.02
8/12/2013	179400	9000	1.11	0.92	0.99	0.12	6.37	6.31	0.06	0.00	0.00
8/13/2013	154200	9600	1.16	0.99	1.15	0.01	6.25	6.10	0.14	0.00	0.00
8/14/2013	141200	10600	1.14	0.99	1.08	0.06	6.15	5.85	0.29	0.00	0.00
8/15/2013	139600	12900	1.17	1.02	1.14	0.03	6.18	5.90	0.28	0.00	0.00
8/16/2013	129600	10800	1.23	1.09	1.12	0.11	6.19	6.11	0.08	0.00	0.00
8/17/2013	154600	9400	1.22	1.06	1.13	0.10	6.18	6.09	0.09	0.00	0.00
8/18/2013	135500	9700	1.02	0.87	1.11	-0.09	6.31	6.21	0.10	0.00	0.00
8/19/2013	158500	11600	1.20	1.03	0.95	0.25	6.33	6.27	0.07	0.00	0.00
8/20/2013	143400	9900	1.18	1.03	1.14	0.04	6.18	6.11	0.07	0.00	0.00
8/21/2013	152700	10000	1.14	0.98	1.10	0.05	6.13	6.05	0.08	0.00	0.00
8/22/2013	127200	7100	1.17	1.03	1.13	0.04	6.19	6.14	0.05	0.00	0.00
8/23/2013	140100	7300	1.26	1.11	1.14	0.12	6.13	5.90	0.23	0.00	0.00
8/24/2013	148600	9500	1.23	1.07	1.14	0.09	6.18	5.91	0.27	0.00	0.00
8/25/2013	162800	6400	1.05	0.88	1.13	-0.08	6.38	6.31	0.08	0.00	0.06
8/26/2013	150400	9100	1.27	1.11	1.00	0.27	6.34	6.33	0.02	0.07	0.03
8/27/2013	153400	7400	1.23	1.07	1.20	0.03	6.44	6.48	-0.04	0.38	0.01
8/28/2013	157500	10000	1.27	1.10	1.18	0.09	6.32	6.34	-0.01	0.05	0.02
8/29/2013	143300	11500	1.34	1.19	1.30	0.04	6.58	6.64	-0.07	0.43	0.20
8/30/2013	129400	6800	1.29	1.15	1.24	0.04	6.39	6.41	-0.02	0.19	0.01
8/31/2013	144200	8500	1.19	1.04	1.19	0.01	6.27	6.20	0.06	0.00	0.00
Total	4619200	267400	37.07	32.18	34.98	2.09	194.93	191.95	2.98	1.27	0.39
Min	127200	4500	1.02	0.87	0.95	-0.09	6.13	5.85	-0.07	0.00	0.00
Max	179400	12900	1.34	1.19	1.30	0.29	6.58	6.64	0.31	0.43	0.20
Average	149006	8626	1.20	1.04	1.13	0.07	6.29	6.19	0.10	0.04	0.01

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall MGD	SC Rainfall
9/1/2013	150300	7200	1.16	1.00	1.08	0.08	6.05	5.98	0.07	0.00	0.00
9/2/2013	176500	10400	1.38	1.19	1.10	0.28	6.60	6.50	0.10	0.00	0.00
9/3/2013	159200	10400	1.39	1.22	1.35	0.04	6.71	6.65	0.07	0.43	0.12
9/4/2013	152500	16100	1.28	1.11	1.21	0.07	6.36	6.33	0.03	0.00	0.00
9/5/2013	169200	23000	1.58	1.39	1.29	0.29	6.45	6.43	0.02	0.03	0.12
9/6/2013	138500	23000	1.68	1.52	1.88	-0.20	7.84	7.93	-0.08	1.76	0.97
9/7/2013	154300	8000	1.50	1.33	1.49	0.01	6.94	6.89	0.04	0.15	0.00
9/8/2013	176200	8400	1.55	1.37	1.39	0.16	6.94	6.89	0.05	0.00	0.00
9/9/2013	155000	17900	1.39	1.22	1.08	0.31	6.74	6.71	0.03	0.00	0.00
9/10/2013	160700	21500	1.39	1.21	1.31	0.08	6.52	6.49	0.03	0.00	0.00
9/11/2013	155500	16900	1.32	1.14	1.25	0.06	6.43	6.35	0.08	0.00	0.00
9/12/2013	145600	19300	1.33	1.17	1.29	0.04	6.45	6.35	0.09	0.00	0.00
9/13/2013	142300	18200	1.30	1.14	1.24	0.06	6.32	6.25	0.07	0.00	0.00
9/14/2013	154800	9400	1.34	1.18	1.26	0.09	6.49	6.42	0.07	0.00	0.00
9/15/2013	155900	8300	1.28	1.11	1.25	0.02	6.69	6.58	0.11	0.08	0.00
9/16/2013	182100	21000	1.38	1.17	1.05	0.33	6.52	6.45	0.07	0.06	0.00
9/17/2013	132600	22300	1.39	1.23	1.33	0.05	6.40	6.31	0.09	0.04	0.00
9/18/2013	167100	20000	1.31	1.12	1.27	0.04	6.30	6.19	0.11	0.15	0.00
9/19/2013	151100	19500	1.31	1.14	1.27	0.05	6.35	6.22	0.13	0.00	0.00
9/20/2013	136000	18500	1.29	1.14	1.22	0.07	6.24	6.14	0.10	0.00	0.00
9/21/2013	149000	9800	1.39	1.23	1.31	0.08	6.57	6.49	0.08	0.00	0.19
9/22/2013	182800	10600	1.56	1.37	1.45	0.11	7.06	6.98	0.08	0.84	0.15
9/23/2013	166700	21900	1.57	1.38	1.20	0.37	6.88	6.78	0.11	0.43	0.03
9/24/2013	160000	24600	1.87	1.68	1.57	0.30	6.81	6.68	0.13	0.10	0.20
9/25/2013	156200	19400	1.36	1.18	1.50	-0.14	6.71	6.58	0.14	0.52	0.00
9/26/2013	149300	19400	1.44	1.27	1.41	0.03	6.52	6.34	0.18	0.05	0.00
9/27/2013	147200	29500	2.05	1.87	1.62	0.42	6.63	6.51	0.11	0.00	0.10
9/28/2013	208900	34200	3.06	2.82	2.62	0.44	8.78	8.68	0.10	1.37	1.06
9/29/2013	205100	36200	2.69	2.44	2.23	0.45	9.76	9.54	0.21	1.82	1.07
9/30/2013	205100	32200	2.51	2.28	2.07	0.44	9.62	9.45	0.17	1.02	0.24
Total	4845700	557100	47.03	41.62	42.62	4.41	206.67	204.11	2.56	8.85	4.25
Min	132600	7200	1.16	1.00	1.05	-0.20	6.05	5.98	-0.08	0.00	0.00
Max	208900	36200	3.06	2.82	2.62	0.45	9.76	9.54	0.21	1.82	1.07
Average	161523	18570	1.57	1.39	1.42	0.15	6.89	6.80	0.09	0.30	0.14

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
10/1/2013	205100	32300	2.51	2.28	2.33	0.19	8.24	8.08	0.16	0.45	0.10
10/2/2013	209500	31300	2.21	1.97	2.14	0.07	7.91	7.69	0.21	0.19	0.28
10/3/2013	173600	25700	2.10	1.90	2.05	0.05	7.80	7.59	0.22	0.42	0.00
10/4/2013	0	31200	1.93	1.90	1.84	0.08	7.24	7.01	0.23	0.01	0.00
10/5/2013	0	19500	1.76	1.74	1.76	0.01	7.27	7.04	0.23	0.00	0.00
10/6/2013	0	19400	1.72	1.70	1.66	0.05	7.33	7.11	0.22	0.00	0.00
10/7/2013	0	23500	1.84	1.82	1.36	0.49	7.26	7.09	0.17	0.28	0.07
10/8/2013	0	31200	1.60	1.57	1.84	-0.24	7.27	7.09	0.19	0.16	0.14
10/9/2013	0	23700	2.19	2.17	1.76	0.44	7.13	6.91	0.22	0.35	0.00
10/10/2013	519800	21100	1.74	1.20	1.67	0.07	6.98	6.81	0.17	0.00	0.00
10/11/2013	0	11300	1.59	1.58	1.58	0.02	6.75	6.56	0.19	0.01	0.00
10/12/2013	86300	9400	1.75	1.65	1.58	0.17	6.89	6.67	0.23	0.06	0.04
10/13/2013	104000	8800	1.52	1.40	1.51	0.01	7.02	6.77	0.26	0.05	0.00
10/14/2013	176300	20000	1.59	1.39	1.19	0.39	6.87	6.68	0.19	0.01	0.00
10/15/2013	169300	20200	1.51	1.33	1.46	0.06	6.60	6.41	0.19	0.00	0.00
10/16/2013	170600	21800	1.51	1.32	1.41	0.10	6.53	6.35	0.18	0.00	0.00
10/17/2013	166600	19700	1.47	1.28	1.41	0.06	6.51	6.35	0.15	0.00	0.00
10/18/2013	141200	21700	1.49	1.32	1.39	0.10	6.39	6.22	0.17	0.00	0.00
10/19/2013	155300	9600	1.37	1.20	1.39	-0.02	6.60	6.37	0.22	0.00	0.00
10/20/2013	55700	9700	1.51	1.45	1.37	0.14	6.76	6.54	0.22	0.00	0.00
10/21/2013	0	19100	1.47	1.45	1.10	0.37	6.58	6.41	0.17	0.00	0.00
10/22/2013	0	20400	1.41	1.39	1.36	0.05	6.38	6.19	0.19	0.00	0.00
10/23/2013	0	18700	1.42	1.40	1.28	0.13	6.29	6.13	0.16	0.00	0.00
10/24/2013	0	18700	1.34	1.32	1.32	0.02	6.29	6.13	0.16	0.00	0.00
10/25/2013	0	19600	1.32	1.30	1.30	0.02	6.28	6.13	0.15	0.00	0.00
10/26/2013	0	8500	1.35	1.34	1.33	0.02	6.50	6.29	0.21	0.05	0.30
10/27/2013	367400	10200	1.54	1.16	1.37	0.17	6.81	6.63	0.19	0.03	0.00
10/28/2013	65800	17000	1.43	1.35	1.08	0.35	6.53	6.31	0.22	0.23	0.00
10/29/2013	0	16300	1.38	1.36	1.32	0.05	6.39	6.12	0.26	0.00	0.00
10/30/2013	0	15200	1.37	1.36	1.27	0.10	6.27	6.08	0.18	0.00	0.00
10/31/2013	0	14400	1.33	1.31	1.27	0.06	6.18	6.04	0.14	0.08	0.00
Total	2766500	589200	50.26	46.90	46.70	3.56	211.82	205.77	6.05	2.38	0.93
Min	0	8500	1.32	1.16	1.08	-0.24	6.18	6.04	0.14	0.00	0.00
Max	519800	32300	2.51	2.28	2.33	0.49	8.24	8.08	0.26	0.45	0.30
Average	89242	19006	1.62	1.51	1.51	0.11	6.83	6.64	0.20	0.08	0.03

Meadow Glade meter not functioning properly this month.

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
11/1/2013	0	19300	1.59	1.58	1.30	0.30	6.21	6.05	0.17	0.01	0.00
11/2/2013	0	13900	1.68	1.67	1.61	0.07	7.21	7.06	0.15	0.73	0.30
11/3/2013	0	14000	1.46	1.45	1.52	-0.05	7.34	7.08	0.26	0.16	0.05
11/4/2013	0	24000	1.67	1.65	1.23	0.45	6.85	6.67	0.17	0.07	0.10
11/5/2013	2666600	24400	1.73	1.44	1.71	0.03	7.12	6.99	0.13	0.41	0.05
11/6/2013	201000	30300	1.92	1.69	1.64	0.29	6.96	6.80	0.15	0.02	0.15
11/7/2013	215400	33300	2.31	2.06	2.20	0.11	8.03	7.91	0.12	0.49	0.31
11/8/2013	177900	26900	2.22	2.02	2.05	0.18	7.50	7.31	0.18	0.53	0.01
11/9/2013	167900	13000	1.80	1.62	1.91	-0.11	7.43	7.18	0.25	0.15	0.00
11/10/2013	214100	14700	1.94	1.71	1.74	0.20	7.25	7.00	0.25	0.01	0.00
11/11/2013	182400	12400	1.72	1.52	1.41	0.31	7.21	6.99	0.22	0.01	0.00
11/12/2013	205500	26500	1.75	1.52	1.70	0.06	7.02	6.88	0.14	0.16	0.21
11/13/2013	179400	23500	1.66	1.46	1.57	0.08	6.82	6.61	0.20	0.03	0.00
11/14/2013	190900	26100	1.64	1.42	1.60	0.05	6.78	6.57	0.22	0.01	0.03
11/15/2013	153000	22500	1.72	1.54	1.64	0.08	6.78	6.57	0.21	0.05	0.04
11/16/2013	184700	13000	1.71	1.51	1.80	-0.09	7.25	7.02	0.23	0.33	0.12
11/17/2013	236900	16600	1.84	1.59	1.70	0.14	7.28	7.07	0.21	0.06	0.00
11/18/2013	204700	28900	2.08	1.85	1.58	0.50	7.27	7.10	0.17	0.01	0.32
11/19/2013	195200	34800	2.20	1.97	2.20	0.00	7.77	7.57	0.20	0.82	0.20
11/20/2013	196500	26000	1.90	1.68	1.90	0.00	7.28	6.98	0.30	0.06	0.00
11/21/2013	188300	25600	1.79	1.58	1.77	0.02	7.10	6.81	0.29	0.00	0.00
11/22/2013	154200	22200	1.61	1.43	1.68	-0.07	6.87	6.55	0.32	0.00	0.00
11/23/2013	198800	11600	1.71	1.50	1.70	0.01	7.13	6.81	0.32	0.00	0.00
11/24/2013	235500	12600	1.75	1.50	1.63	0.12	7.22	6.88	0.34	0.00	0.00
11/25/2013	164200	21800	1.61	1.42	1.28	0.33	6.92	6.62	0.30	0.00	0.00
11/26/2013	201300	21800	1.53	1.31	1.54	0.00	6.67	6.48	0.19	0.00	0.00
11/27/2013	200000	11700	1.76	1.54	1.57	0.19	6.96	6.65	0.31	0.00	0.00
11/28/2013	204100	9900	1.50	1.29	1.49	0.01	7.09	6.73	0.35	0.00	0.00
11/29/2013	160300	10700	1.37	1.19	1.40	-0.04	6.44	6.14	0.30	0.00	0.02
11/30/2013	212300	17800	1.94	1.71	1.48	0.46	6.68	6.43	0.24	0.04	0.13
Total	5091100	609800	53.12	47.42	49.52	3.61	212.43	205.53	6.90	4.16	2.04
Min	0	9900	1.37	1.19	1.23	-0.11	6.21	6.05	0.12	0.00	0.00
Max	2666600	34800	2.31	2.06	2.20	0.50	8.03	7.91	0.35	0.82	0.32
Average	169703	20327	1.77	1.58	1.65	0.12	7.08	6.85	0.23	0.14	0.07

Meadow Glade Meter Malfunctioning Nov. 1-4, 2013

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	BG MGD	BG Inf MGD	BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
12/1/2013	291200	38800	2.82	2.49	2.71	0.12	8.56	8.32	0.24	1.19	0.76
12/2/2013	249100	37700	2.56	2.28	2.06	0.50	8.91	8.89	0.02	1.13	0.05
12/3/2013	209000	31300	2.31	2.07	2.35	-0.03	7.96	7.63	0.33	0.18	0.02
12/4/2013	216200	28700	2.05	1.81	1.99	0.07	7.46	7.08	0.38	0.00	0.00
12/5/2013	200100	28700	1.86	1.63	1.89	-0.03	7.31	6.94	0.37	0.00	0.00
12/6/2013	167400	15300	1.74	1.56	1.79	-0.05	7.17	6.80	0.37	0.02	0.00
12/7/2013	193200	15400	1.70	1.50	1.72	-0.01	7.25	6.79	0.46	0.00	0.00
12/8/2013	252800	13500	1.75	1.49	1.65	0.10	7.37	6.92	0.45	0.00	0.00
12/9/2013	175800	24500	1.62	1.42	1.30	0.32	7.08	6.73	0.35	0.00	0.10
12/10/2013	191300	10700	1.57	1.37	1.57	0.00	6.98	6.66	0.31	0.03	0.00
12/11/2013	203700	15300	1.55	1.33	1.49	0.06	6.84	6.54	0.30	0.03	0.00
12/12/2013	186800	26500	1.87	1.66	1.54	0.33	6.79	6.51	0.28	0.00	0.14
12/13/2013	173800	20500	1.45	1.25	1.68	-0.23	6.93	6.72	0.21	0.45	0.03
12/14/2013	194700	12500	1.66	1.46	1.64	0.03	7.03	6.72	0.30	0.00	0.00
12/15/2013	218700	13100	1.64	1.41	1.61	0.03	7.14	6.85	0.29	0.02	0.02
12/16/2013	193600	19500	1.63	1.42	1.29	0.34	6.92	6.65	0.27	0.08	0.00
12/17/2013	184700	25500	1.60	1.39	1.58	0.02	6.81	6.54	0.27	0.02	0.00
12/18/2013	191700	24200	1.60	1.39	1.54	0.07	6.74	6.22	0.52	0.05	0.05
12/19/2013	197300	22500	1.58	1.36	1.56	0.02	6.75	6.46	0.30	0.07	0.00
12/20/2013	185100	31700	2.04	1.82	1.73	0.31	6.93	6.67	0.25	0.03	0.08
12/21/2013	225400	21300	2.09	1.84	2.09	0.00	7.73	7.49	0.24	0.72	0.06
12/22/2013	242600	20900	2.18	1.91	2.07	0.11	7.75	7.54	0.22	0.26	0.05
12/23/2013	243300	22600	2.39	2.12	1.83	0.56	7.93	7.70	0.23	0.23	0.25
12/24/2013	218000	16700	2.01	1.77	2.14	-0.13	8.08	7.76	0.32	0.40	0.00
12/25/2013	229700	17300	1.94	1.69	1.84	0.10	7.26	6.93	0.33	0.00	0.00
12/26/2013	207400	14400	1.79	1.56	1.80	-0.01	7.30	6.95	0.35	0.00	0.00
12/27/2013	191200	12000	1.66	1.46	1.73	-0.06	7.17	6.82	0.35	0.03	0.00
12/28/2013	196200	12300	1.66	1.45	1.67	-0.01	7.08	6.76	0.31	0.00	0.00
12/29/2013	221500	13100	1.59	1.36	1.59	0.00	7.02	6.69	0.32	0.00	0.00
12/30/2013	197700	12900	1.65	1.44	1.33	0.31	6.94	6.65	0.30	0.00	0.00
12/31/2013	170800	11000	1.61	1.43	1.55	0.07	6.87	6.63	0.25	0.02	0.00
Total	6420000	630400	57.19	50.14	54.30	2.89	226.06	216.57	9.49	4.96	1.61
Min	167400	10700	1.45	1.25	1.29	-0.23	6.74	6.22	0.02	0.00	0.00
Max	291200	38800	2.82	2.49	2.71	0.56	8.91	8.89	0.52	1.19	0.76
Average	207097	20335	1.84	1.62	1.75	0.09	7.29	6.99	0.31	0.16	0.05

APPENDIX D

2013 ERU AND SEWER LINE DATA

CLARK REGIONAL WASTEWATER DISTRICT
 SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2013 - Dec 2013

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* 8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's			Line Construction			Total Miles	Year to Date ERU'S
							Total ERU's	ERU's	Developer	District	Constructor			
Balance Forward	ERU's	20563.0	4975.3	3910.4	29448.7							1775540	336.3	SCTP - All
Jan	24.0	20587.0	30.4 ♦	4999.6	1.0 ♦	3911.4	29498.0	873				1776413	336.4	Res 480.0
Feb	37.0	20624.0	0.0	4999.6	2.4 ♦	3913.8	29537.4	8107				1784520	338.0	Multi-Family 82.6
Mar	32.0	20656.0	0.0	4999.6	0.0	3913.8	29569.4	747				1785267	338.1	Comm 59.6
Apr	54.0	20710.0	0.0	4999.6	3.4 ♦	3917.2	29626.8	1312				1786579	338.4	Total 622.2
May	36.0	20746.0	0.0	4999.6	1.7 ♦	3918.9	29664.5	0				1786579	338.4	VTP
Jun	40.0	20786.0	0.0	4999.6	0.0	3918.9	29704.5	1537				1788116	338.7	Res 52.0
Jul	42.0	20828.0	0.0	4999.6	3.2 ♦	3927.1	29754.7	2223	1797	1792136	339.4	Multi-Family 0.0		
Aug	57.0	20885.0	0.0	4999.6	2.9 ♦	3930.0	29814.6	2333				1794469	339.9	Comm 0.2
Sep	34.0	20919.0	33.0 ♦	5026.0	1.2 ♦	3931.2	29876.2	0				1794469	339.9	Total 52.2
Oct	35.0	20954.0	0.0	5026.0	30.9 ♦	3932.1	29942.1	879				1795348	340.0	
Nov	32.0	20986.0	19.2 ♦	5041.4	6.9 ♦	3939.0	29996.4	5464				1800812	341.1	Permits
Dec	32.0	21018.0	0.0	5041.4	1.0 ♦	3970.0	30029.4	2833				1803645	341.6	SCTP 2
Subtotals	455.0		82.6		59.6							1803645	341.6	VTP 0
Total ERU's		21018.0			5041.4		3970.0	30029.4					Total 2	

♦ See reverse for explanation

Revised: 10-Feb-14

		October
		July
North Glen Villas Ph 2 7101 NE 109th St ♦ Building U (8 units) ♦ Building V (8 units) ♦ Building W (6 units) ♦ Building X (8 units) ♦ Building Y (8 units)	Barberton Industrial 10018 NE 72nd Ave Ste 115 ♦ Multifab Chucks Produce ♦ 2302 NE 117th St Centerpointe Retail 8720 NE Centerpointe Dr Ste 213 ♦ Mattress Superstore	0.5 7.4 0.3 <hr/> 30.4 <hr/> 8.2
Birkenstock ♦ 17566 NE Delfel Rd	August	November
		139th Street Medical Plaza
February		
88th St Development 1218 NE 88th St Ste 116 ♦ Glow Nails Salmon Creek Retail 800 NE Tenney Rd Bldg B ♦ Gentle Dental	Faith Baptist Church 11208 NE Hazel Dell Ave ♦ Sunshine Christian School Salmon Creek Business Park Westland North 1201 NE 144th St Bldg B Ste 111 ♦ Hydac Padden Crossing Ph 2 6607 NE 84th St ♦ Columbia River Veterinary	0.2 0.2 0.2 <hr/> 0.7 <hr/> 2.4 <hr/> 8.2
April		
		September
7th Ave Retail 805 NE 98th Cir ♦ Shell Building North Park Building E 5408 NE 88th St ♦ nLight Photonics Wubben Industrial Park 11806 NE 66th Ste #B ♦ The Great Indoor Playgrot	Timbers at Towncenter Ph 1 602 NE 86th St Building (26 units) Existing ERU credits Timbers at Towncenter Ph 2 614 NE 86th St ♦ Building A (8 units) ♦ Office 608 NE 86th St ♦ Building B (11 units)	2.5 0.8 1.7 1.9 <hr/> 6.9 <hr/> 9.6 <hr/> 9.6 <hr/> 19.2
May		
Bowers Marketplace Retail D 11504 NE 118th St Ste 104 ♦ Fairway Coffee Whipple Creek Business Park 12 14511 NE 13th Ave ♦ Pacific Industrial Common Hazel Dell Town Center 8901 NE Hazel Dell Ave ♦ IQ Credit Union	1.4 0.2 0.2 <hr/> 0.1 <hr/> 1.7	
		December
		Rock Creek Commons
		900 NE 139th St ♦ Adventure Dental Ste 106 ♦ Balanced Physical Therapy Ste 102 ♦ Creekside Medical Ste 202 ♦ Cascadia Women's Clinic Ste 206
		<hr/> 2.5 0.8 1.7 1.9 <hr/> 6.9
		Community Center
		11800 NE 124th Ave ♦ Building A ♦ Building B
		<hr/> 0.2 <hr/> 9.6 <hr/> 9.6 <hr/> 19.2

CLARK REGIONAL WASTEWATER DISTRICT
MEADOWGLADE AREA
SALEM CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2013 - Dec 2013

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's			Line Developer	Construction District	Total Line Construction	Total Miles
							Total ERU's	ERU's	ERU's				
Balance Forward		655.0		1.6		106.7	763.3					25182	4.8
Jan	0.0	655.0		1.6		106.7	763.3					25182	4.8
Feb	2.0	657.0		1.6		106.7	765.3					25182	4.8
Mar	1.0	658.0		1.6		106.7	766.3					25182	4.8
Apr	3.0	661.0		1.6		106.7	769.3					25182	4.8
May	0.0	661.0		1.6		106.7	769.3					25182	4.8
Jun	2.0	663.0		1.6		106.7	771.3					25182	4.8
Jul	4.0	667.0		1.6		106.7	775.3					25182	4.8
Aug	3.0	670.0		1.6		106.7	778.3					25182	4.8
Sep	1.0	671.0		1.6		106.7	779.3					25182	4.8
Oct	2.0	673.0		1.6		106.7	781.3					25182	4.8
Nov	1.0	674.0		1.6		106.7	782.3					25182	4.8
Dec	1.0	675.0		1.6		106.7	783.3					25182	4.8
Subtotals	20.0		0.0		0.0					0	0		
Total ERU's		675.0		1.6		106.7	783.3					25182	4.8

♦ See reverse for explanation

CLARK REGIONAL WASTEWATER DISTRICT
HOCKINSON AREA
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT

Year: Jan 2013 - Dec 2013

Month	New Residential	Total Residential	Multi Family/Guesthomes (*.8)	Total		Total Commercial	ERU's	Grand Total	<u>Line Construction</u>	<u>Developer</u>	<u>District</u>	<u>Construction</u>	<u>Total Line Miles</u>	
				New	Residential									
Balance Forward		ERU's	46.0		0.0			133.6	179.6				5746	1.1
Jan	0.0	46.0		0.0				133.6	179.6				5746	1.1
Feb	1.0	47.0		0.0				133.6	180.6				5746	1.1
Mar	1.0	48.0		0.0				133.6	181.6				5746	1.1
Apr	0.0	48.0		0.0				133.6	181.6				5746	1.1
May	0.0	48.0		0.0				133.6	181.6				5746	1.1
Jun	0.0	48.0		0.0				133.6	181.6				5746	1.1
Jul	1.0	49.0		0.0				133.6	182.6				5746	1.1
Aug	0.0	49.0		0.0				133.6	182.6				5746	1.1
Sep	0.0	49.0		0.0				133.6	182.6				5746	1.1
Oct	1.0	50.0		0.0				133.6	183.6				5746	1.1
Nov	0.0	50.0		0.0				133.6	183.6				5746	1.1
Dec	1.0	51.0		0.0				133.6	184.6				5746	1.1
Subtotals	5.0		0.0				0.0		0		0		5746	1.1
Total ERU's		51.0		0.0			0.0		133.6	184.6			5746	1.1

◆ See reverse for explanation

**CLARK REGIONAL WASTEWATER DISTRICT
VANCOUVER TREATMENT PLANT
SEWER CONNECTION REPORT**

Year: Jan 2013 - Dec 2013

Month	Residential	New	Total	Multi Family/ Guesthomes			New	Total	Grand Total	Line Developer	Construction District	Total Line Miles
				Residential	Residential (*.8)	Total	Commercial	Commercial				
Balance	ERU's											
Forward		3043.0				732.0			831.8	4606.8		334878
Jan	2.0	3045.0				732.0			831.8	4608.8		334878
Feb	4.0	3049.0				732.0			831.8	4612.8		334878
Mar	2.0	3051.0				732.0			831.8	4614.8	5921	340799
Apr	7.0	3058.0				732.0			831.8	4621.8		340799
May	8.0	3066.0				732.0			831.8	4629.8		340799
Jun	4.0	3070.0				732.0			831.8	4633.8		340799
Jul	9.0	3079.0				732.0			831.8	4642.8		340799
Aug	5.0	3084.0				732.0			831.8	4647.8		340799
Sep	2.0	3086.0				732.0			831.8	4649.8		340799
Oct	3.0	3089.0				732.0			831.8	4652.8		340799
Nov	3.0	3092.0				732.0	0.2 ♦		832.0	4656.0		340799
Dec	3.0	3095.0				732.0			832.0	4659.0		340799
Subtotals	52.0	0.0								5921	0	
Total ERU's		3095.0				732.0			832.0	4659.0		340799
												64.5

♦ See reverse for explanation

CRWWWD VTP

November

Hazel Dell Square

7715 NE 5th Ave Ste 105

♦ GNC

0.2
0.2