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February 10, 2016

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

RE: 2015 Infiltration and Inflow Report
WA0023639

Dear Ms. Cholski:

Enclosed you will find the 2015 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 green ink that reads "J.D. Robin Krause".

J.D. Robin Krause, PE
District Engineer

Enclosure

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





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Transmittal Cover

Project: 2015 I & I Report

Permit No.: WA002363-9

Date: February 11, 2016

To:	Attention:	No. Copies	Action Requested	Transmitted Via
Dept. of Ecology	Carey Cholski	1	Records	Mail
Dept. of Ecology	Dave Knight	1	Records	Mail
Clark County SCTP	Travis Capson	1	Records	Hand Carried
City of Battle Ground	Scott Sawyer	1	Records	Hand Carried
District	Robin Krause	1	Records	Email
District	Tom Burns	1	Records	Email
District	Andria Swann	1	Records	Hand Carried
District	John Peterson	1	Records	Hand Carried

DESCRIPTION:

2015 Infiltration and Inflow Report pursuant to NPDES Permit WA002363-9

MESSAGE:

Please call if you have any questions (360) 993.8821

BY:

J.D. Robin Krause, P.E.
District Engineer

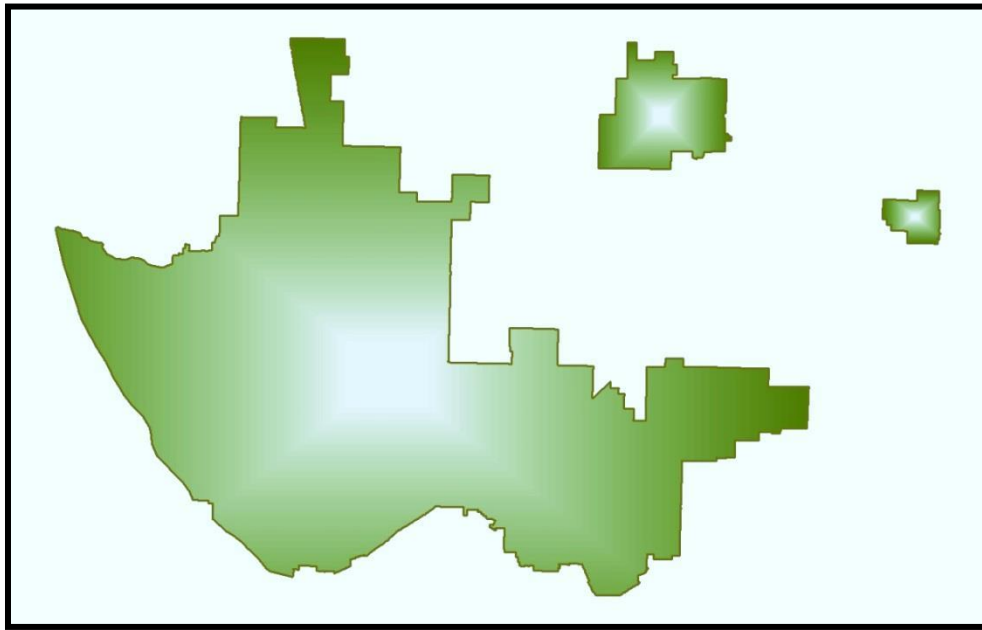
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2015

Clark Regional Wastewater District

Infiltration and Inflow Report For Salmon Creek Treatment Plant



February 11, 2016

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



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2015 Infiltration and Inflow Report

Clark Regional Wastewater District

OVERVIEW

The Clark Regional Wastewater District (District) was formed in 1958. The District has always maintained a comprehensive construction specification, inspection and maintenance program to minimize infiltration and inflow (I/I) 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 (Ecology publication 97-03).

ANALYSIS

The District's average dry weather and wet weather I/I rates are well below what would generally be considered excessive. Average dry weather flows greater than 120 gpcd 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 75 gpcd. Average wet weather flows greater than 275 gpcd 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 147 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 includes commercial and industrial ERU's in addition to residents of the area. At the beginning of 2015, the District had approximately 31,000 ERU's with a population equivalent of roughly 77,300 in the Salmon Creek tributary area.

Flow data during 2015 includes only one anomaly on December 21. The meters were not read on December 21 so the totals read on December 22 were split between the two days. This anomaly has no effect on the I/I calculations.

As shown in Appendix A, the District's 2015 I/I of 2.75 MGD represent a 150% increase compared to the 2003 base year. To better understand I/I trends in the system, the District reviews the average monthly flows and rainfall for the available records between January 1997 and December 2015. That data shows that 2013 and 2003 represent the lowest I/I years on record. The District's I/I averaged 1.53 over the past 18 years.

Clark County experienced record rainfall in December 2015, with almost 18 inches total rainfall recorded at the Salmon Creek Treatment Plant. This resulted in the highest flows to date at the plant, and the highest I/I on record as well. Barring December, the I/I for 2015 would be on par with normal monthly rainfall totals (1.44). Reviewing years with similar total rainfall (2006, 2012), the 2015 I/I does not appear to be out of line with historical performance. Also, the excessive inflow and infiltration calculations do not lead us to believe that the system is experiencing higher than normal I/I.

TABLE 1

1997-2015 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
2014	5.13	6.95	1.82	32.17
2015	5.31	8.06	2.75	39.44
Average	-	-	1.53	36.70

Monitoring Program and Rehabilitation Projects

Introduction

The District places an emphasis on good design and inspection to minimize I/I into the system. However, as pipes age, a variety of methods for the monitoring and identification of I/I are necessary to use. 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.

During the December storm, District staff worked with owners at two locations to remove cross connections that became apparent due to the heavy rainfall.


New Construction

The District addresses I/I 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.

During the December storms, staff inspected each active construction site to ensure plugs were in place to prevent stormwater from entering the system. In one instance, a plug was found to have been removed. It was immediately replaced.

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 51 pump stations as well as our four motor operated valves (MOV's). Daily and annual review 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.



The District continues to deploy and collect flow data from 15 FloDar ultrasonic flow meters during both wet and dry weather flows. That data is currently being reviewed in conjunction with the District's General Sewer Plan update to understand if particular areas are experiencing higher than normal I/I.

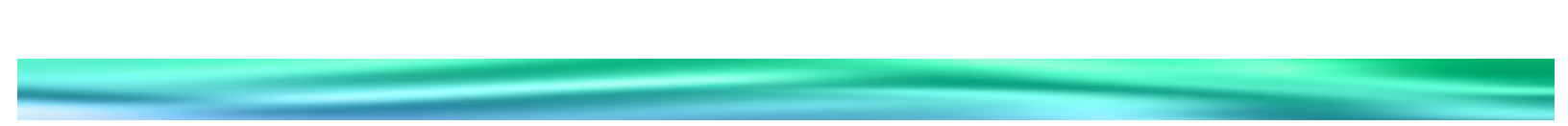
Rehabilitation

The District inspects all gravity mains and trunk sewers with CCTV cameras every eight years to assess condition, I/I and other related issues. Results help inform the District's 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 targeting the reduction of I/I in the system. The District has recently awarded a contract to complete manhole grouting at 15 locations in 2016, which will stop an estimated 25 gallons per minute of I/I, or 36,000 gallons per day. Also in 2016, the District will be repairing a broken cleanout located within the high water level of a stream that is a significant source of inflow.



APPENDIX A

ANNUAL INFILTRATION/INFLOW (I/I) REPORT



Salmon Creek Wastewater Treatment Plant

ANNUAL INFILTRATION/INFLOW (I/I) REPORT

Reporting Year: From: 2013 To: 2015

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		
January	6.39	5.77	6.19	2.63	2.54	2.35	73986	75504	77342	873	9975	15076	
February	5.99	6.95	6.58	1.36	3.70	2.85	74089	75567	77487	8107	0	325	
March	5.74	6.84	6.35	1.43	5.78	3.19	74172	75715	77665	6668	14747	0	
April	5.78	6.01	5.85	2.19	2.49	1.21	74319	76049	77785	1312	9661	1193	
May	5.81	5.91	5.56	2.94	2.28	0.40	74410	76286	78113	0	13276	8929	
June	5.68	5.46	5.50	1.41	2.34	0.39	74512	76510	78287	1537	4499	8079	
July	5.37	5.45	5.31	0.01	0.57	0.25	74646	76626	78611	4020	1082	5575	
August	5.32	5.35	5.32	0.39	0.03	0.53	74799	76689	78810	2333	1926	8061	
September	5.65	5.13	5.32	4.25	1.03	1.11	74967	76793	79030	0	1104	4679	
October	5.47	5.55	5.34	0.93	5.14	4.19	75135	77022	79183	879	5985	0	
November	5.64	5.90	5.87	2.04	2.39	5.03	75278	77111	79383	6890	6199	5157	
December	5.77	6.36	8.06	1.61	3.88	17.94	75364	77219	79714	2833	3103	0	
TOTAL	68.60	70.68	71.24	21.19	32.17	39.44				Total (feet)	35452	71557	57074
Low	5.32	5.13	5.31							Total (miles)	6.71	13.55	10.81
High	6.39	6.95	8.06										
Average	5.72	5.89	5.94										
I/I	1.07	1.82	2.75										

Base Year: 2003 Base Year I/I: 1.1 MGD

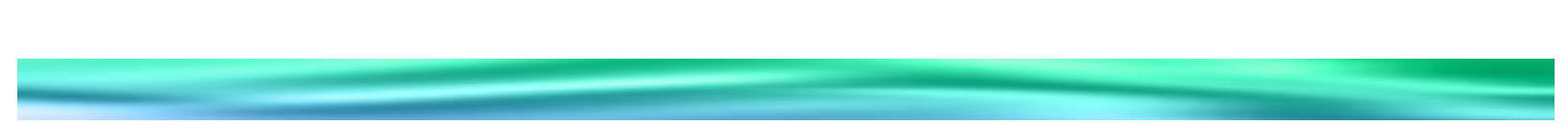
INFILTRATION/INFLOW SUMMARY

Year	I/I	% increase from base I/I	% of max mo. design flow
2013	1.07	-3	9
2014	1.82	66	16
2015	2.75	150	24

Comments: See report.


 J.D. Robin Krause, PE
 District Engineer

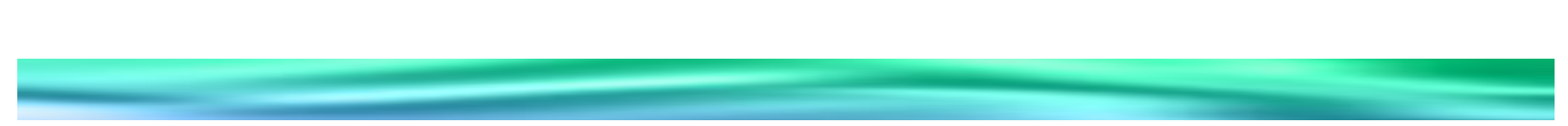






APPENDIX B

FLOW ANALYSIS DATA



Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT 1/1/2015 to 12/31/2015

FLOW AND PRECIPITATION DATA

MONTH	Average Monthly Flow (MGD)						Total Monthly Precipitation (Inches)					
	Year						Year					
	2010	2011	2012	2013	2014	2015	2010	2011	2012	2013	2014	2015
January	6.48	6.76	6.28	6.39	5.77	6.19	6.29	4.19	5.51	2.63	2.54	2.35
February	6.08	6.11	5.82	5.99	6.63	6.58	3.72	3.81	3.45	1.36	3.70	2.85
March	5.87	6.99	6.66	5.74	6.84	6.35	2.20	5.02	6.17	1.43	5.78	3.19
April	5.91	6.55	6.39	5.78	6.27	5.85	2.37	3.55	2.24	2.19	2.49	1.21
May	5.79	6.10	5.98	5.81	5.91	5.56	3.66	1.96	2.06	2.94	2.28	0.40
June	6.34	5.80	5.85	5.68	5.68	5.50	4.35	0.50	2.54	1.41	2.34	0.39
July	5.36	5.42	5.47	5.39	5.45	5.31	0.15	0.92	0.21	0.01	0.57	0.25
August	5.24	5.23	5.27	5.32	5.35	5.32	0.21	0.01	0.00	0.39	0.03	0.53
September	5.35	5.11	5.19	5.65	5.34	5.32	1.81	0.33	0.07	4.25	1.03	1.11
October	5.45	5.20	5.45	5.43	5.55	5.34	3.31	1.95	5.61	0.93	5.14	4.19
November	6.32	5.59	6.32	5.62	5.90	5.87	5.97	6.59	6.87	2.04	2.39	5.03
December	7.00	5.05	7.19	5.77	6.36	8.06	8.03	1.94	6.92	1.61	3.88	17.94
Avg Flow / Total Rain	5.93	5.83	5.99	5.71	5.92	5.94	42.07	30.77	41.65	21.19	32.17	39.44
Low Month	5.24	5.05	5.19	5.32	5.34	5.31	0.15	0.01	0.00	0.01	0.03	0.25
High Month	7.00	6.99	7.19	6.39	6.84	8.06	8.03	6.59	6.92	4.25	5.78	17.94

POPULATION AND SEWER LINE DATA

MONTH	Year	Sewer Lines Added (Feet)
	2015	
January	77342	15076
February	77487	325
March	77665	0
April	77785	1193
May	78113	8929
June	78287	8079
July	78611	5575
August	78810	8061
September	79030	4679
October	79183	0
November	79383	5157
December	79714	0
Present Equivalent	79714	Total (feet) 57074
		Total (miles) 10.81

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

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2015 to 12/31/2015

DETERMINATION OF NON EXCESSIVE INFILTRATION

EPA Infiltration Criteria 120 gpcd
 District Infiltration 75 gpcd

Period	Flow	Rain	Population Equivalent
Nov 24	6.30	0.00	79383
Nov 25	6.09	0.01	79383
Nov 26	6.26	0.01	79383
Nov 27	5.55	0.01	79383
Nov 28	5.73	0.00	79383
Nov 29	5.96	0.00	79383
Nov 30	5.65	0.00	79383
Average Flow (MGD)	5.93	0.03	Inches Rain

Comments: The seven day period of November 24 through November 30, 2015 was identified as a dry weather period within a period of seasonal high groundwater.

DETERMINATION OF NON EXCESSIVE INFLOW

EPA Inflow Criteria 275 gpcd
 District Inflow 147 gpcd

Period	Flow	Rain	Population Equivalent
Dec 06	7.31	0.94	79714
Dec 07	11.75	2.35	79714
Dec 08	9.74	2.51	79714
Dec 09	11.14	0.44	79714
Dec 10	9.29	1.02	79714
Dec 11	8.65	0.59	79714
Dec 12	8.94	0.68	79714
Highest Average Flow (MGD)	11.75	8.53	Inches Rain

Comments: The seven day period of December 6 through December 12, 2015 was identified as a period of significant rainfall with surface ponding and runoff. December 7 was the highest recorded daily flow during a storm event.

Salmon Creek Wastewater Management System - Clark Regional Wastewater District

ANNUAL INFILTRATION/INFLOW REPORT

1/1/2015 to

to

12/31/2015

INFILTRATION/INFLOW SUMMARY

Year	I/I	% Over Base I/I	% of Max Design Flow
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%
2014	1.50	36.3%	13.1%
2015	2.75	150.0%	24.0%

Base Year: 2003

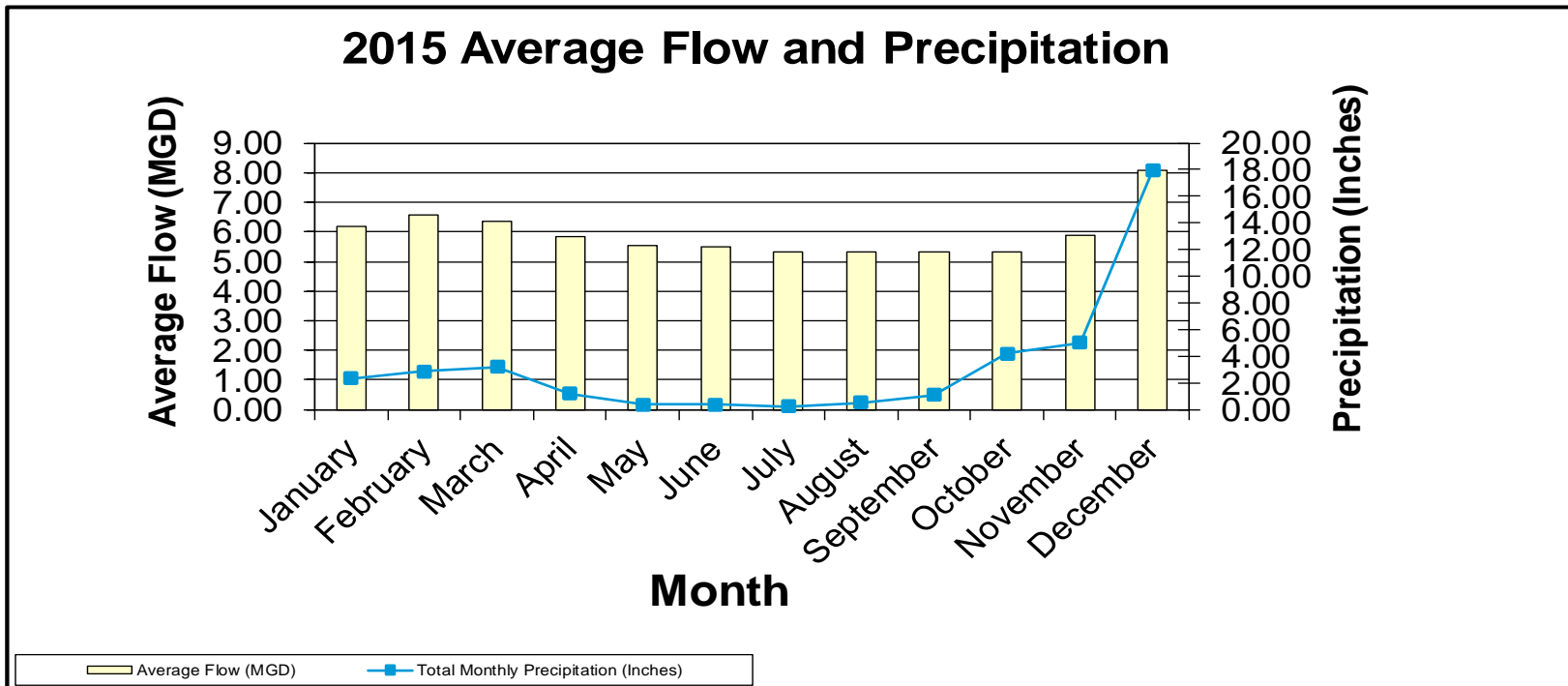
I/I: 1.1

PLANT DESIGN CAPACITY

Peak Design Flow:	15.31 MGD
Max Month Design Flow:	11.48 MGD
Design Population Equivalent:	86,989 People

Comments: See Overview for I/I discussion.

B-3



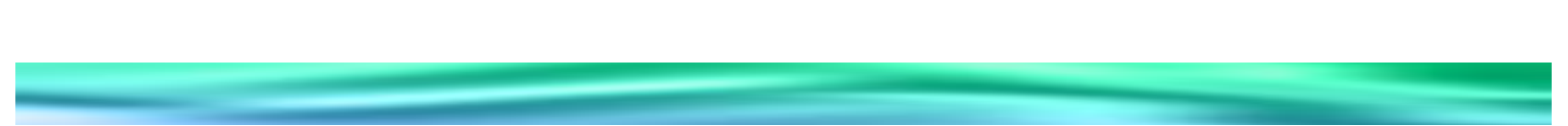
Comments: Design capacity represents total plant capacity. Present population and infiltration/inflow data included in this report represent Clark Regional Wastewater's usage only. Battle Ground usage is reported separately.





APPENDIX C

MONTHLY FLOW AND RAINFALL



Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
1/1/2015	216600	12300	1.38	1.15	1.72	-0.34	7.54	7.19	0.35	0.00	0.00
1/2/2015	195000	14400	1.70	1.49	1.75	-0.06	7.50	7.21	0.29	0.00	0.00
1/3/2015	211700	19200	1.58	1.35	1.72	-0.14	7.44	7.17	0.27	0.00	0.00
1/4/2015	287700	28500	2.24	1.92	2.30	-0.06	8.21	7.94	0.27	0.32	0.31
1/5/2015	251500	31600	2.27	1.99	2.07	0.20	8.81	8.62	0.19	1.07	0.00
1/6/2015	230300	30300	1.95	1.69	2.23	-0.28	8.01	7.73	0.28	0.02	0.00
1/7/2015	221900	25400	2.09	1.85	1.99	0.10	7.71	7.41	0.30	0.02	0.00
1/8/2015	214500	16800	1.41	1.17	1.90	-0.49	7.55	7.28	0.27	0.02	0.00
1/9/2015	182900	33300	1.63	1.41	1.81	-0.18	7.69	7.44	0.25	0.02	0.00
1/10/2015	212800	14400	1.58	1.35	1.77	-0.19	7.44	7.19	0.25	0.01	0.01
1/11/2015	227100	13600	1.44	1.19	1.72	-0.29	7.63	7.39	0.24	0.03	0.07
1/12/2015	203700	22700	1.51	1.29	1.39	0.12	7.27	7.07	0.20	0.07	0.00
1/13/2015	202200	23900	1.59	1.37	1.64	-0.05	7.05	6.78	0.27	0.00	0.00
1/14/2015	202800	18900	1.28	1.06	1.58	-0.29	7.01	6.73	0.28	0.00	0.00
1/15/2015	219300	30400	1.60	1.35	1.71	-0.11	7.15	6.91	0.24	0.00	0.49
1/16/2015	214000	30400	1.81	1.57	1.95	-0.14	7.76	7.58	0.18	0.61	0.02
1/17/2015	346000	44500	2.95	2.56	2.78	0.17	9.37	9.06	0.31	0.07	1.22
1/18/2015	286300	27900	2.44	2.12	2.96	-0.52	11.01	10.71	0.30	1.57	0.09
1/19/2015	255700	19300	2.10	1.82	1.99	0.11	9.37	9.10	0.27	0.13	0.01
1/20/2015	246700	24700	1.71	1.44	2.16	-0.44	8.37	8.10	0.27	0.03	0.00
1/21/2015	208500	26600	1.71	1.48	1.95	-0.24	7.98	7.73	0.25	0.00	0.00
1/22/2015	230000	25000	1.71	1.45	1.87	-0.16	7.73	7.51	0.22	0.02	0.00
1/23/2015	175100	23700	1.40	1.20	1.83	-0.43	7.57	7.37	0.20	0.01	0.06
1/24/2015	221900	15600	1.64	1.40	1.86	-0.22	7.70	7.51	0.19	0.19	0.01
1/25/2015	243400	17400	1.68	1.42	1.77	-0.10	7.77	7.52	0.25	0.05	0.00
1/26/2015	224300	22700	1.50	1.25	1.45	0.05	7.48	7.26	0.22	0.02	0.01
1/27/2015	204800	24100	1.49	1.26	1.71	-0.21	7.18	7.00	0.18	0.00	0.04
1/28/2015	207200	21800	1.49	1.27	1.69	-0.20	7.26	7.12	0.14	0.22	0.01
1/29/2015	205200	19800	1.44	1.21	1.67	-0.23	7.15	6.94	0.21	0.00	0.00
1/30/2015	170200	18200	1.45	1.26	1.64	-0.19	7.03	6.81	0.22	0.00	0.00
1/31/2015	213500	13700	1.47	1.25	1.65	-0.18	7.27	7.02	0.25	0.00	0.00
Total	6932800	711100	53.25	45.60	58.22	-4.98	242.01	234.40	7.61	4.50	2.35
Min	170200	12300	1.28	1.06	1.39	-0.52	7.01	6.73	0.14	0.00	0.00
Max	346000	44500	2.95	2.56	2.96	0.20	11.01	10.71	0.35	1.57	1.22
Average	223639	22939	1.72	1.47	1.88	-0.16	7.81	7.56	0.25	0.15	0.08

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Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
2/1/2015	258400	18400	1.49	1.21	1.67	-0.18	7.58	7.36	0.22	0.09	0.15
2/2/2015	239300	28800	1.89	1.63	1.66	0.23	8.00	7.86	0.14	0.55	0.37
2/3/2015	238500	25300	1.62	1.35	1.97	-0.35	7.83	7.66	0.17	0.10	0.11
2/4/2015	232300	28100	1.66	1.40	1.87	-0.21	7.68	7.56	0.12	0.22	0.07
2/5/2015	284800	34300	2.16	1.84	2.18	-0.02	8.35	8.22	0.13	0.16	0.53
2/6/2015	258600	40100	2.59	2.29	1.56	1.03	10.34	10.19	0.15	0.88	0.66
2/7/2015	359000	34300	3.21	2.81	1.75	1.46	11.5	11.22	0.28	0.85	0.49
2/8/2015	336700	24400	2.51	2.15	2.89	-0.37	10.55	10.32	0.23	0.63	0.07
2/9/2015	326000	48100	2.76	2.39	2.46	0.30	10.00	9.83	0.17	0.20	0.18
2/10/2015	273300	35700	2.37	2.06	2.81	-0.44	9.74	8.80	0.94	0.83	0.00
2/11/2015	244900	25400	2.02	1.75	2.32	-0.31	8.83	8.59	0.24	0.01	0.00
2/12/2015	236600	27800	1.87	1.61	2.16	-0.28	8.41	8.20	0.21	0.00	0.00
2/13/2015	197600	18800	1.82	1.60	1.99	-0.17	8.03	7.85	0.18	0.00	0.00
2/14/2015	223200	15300	1.72	1.48	1.91	-0.19	7.95	7.78	0.17	0.00	0.00
2/15/2015	207500	14700	1.53	1.31	1.76	-0.23	7.76	7.57	0.19	0.00	0.00
2/16/2015	228100	15100	1.65	1.41	1.51	0.14	7.83	7.63	0.20	0.00	0.00
2/17/2015	194900	19400	1.26	1.05	1.68	-0.42	7.42	7.22	0.20	0.00	0.00
2/18/2015	210600	22000	1.41	1.18	1.59	-0.18	7.18	7.24	-0.06	0.00	0.00
2/19/2015	202200	20100	1.37	1.15	1.59	-0.22	7.15	7.04	0.11	0.00	0.02
2/20/2015	154800	19300	1.28	1.11	1.56	-0.27	7.06	6.91	0.15	0.05	0.00
2/21/2015	201500	11400	1.39	1.18	1.56	-0.16	7.22	7.01	0.21	0.00	0.00
2/22/2015	226400	11200	1.40	1.16	1.51	-0.11	7.34	7.07	0.27	0.00	0.00
2/23/2015	213300	20200	1.29	1.06	1.28	0.01	7.11	6.89	0.22	0.00	0.00
2/24/2015	197200	18400	1.25	1.03	1.41	-0.16	6.95	6.76	0.19	0.00	0.00
2/25/2015	198800	17400	1.28	1.06	1.42	-0.14	6.85	6.67	0.18	0.03	0.02
2/26/2015	206900	25400	1.49	1.26	1.61	-0.12	7.07	6.98	0.09	0.28	0.04
2/27/2015	195600	32800	1.72	1.49	1.86	-0.14	7.51	7.36	0.15	0.43	0.14
2/28/2015	212000	15200	1.54	1.31	0.33	1.21	7.53	7.25	0.28	0.24	0.00
Total	6559000	667400	49.54	42.32	49.85	-0.31	226.77	221.04	5.73	5.55	2.85
Min	154800	11200	1.25	1.03	0.33	-0.44	6.85	6.67	-0.06	0.00	0.00
Max	359000	48100	3.21	2.81	2.89	1.46	11.50	11.22	0.94	0.88	0.66
Average	234250	23836	1.77	1.51	1.78	-0.01	8.10	7.89	0.20	0.20	0.10

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
3/1/2015	230900	13900	1.35	1.11	1.67	-0.32	7.53	7.24	0.29	0.00	0.00
3/2/2015	205200	22500	1.42	1.19	1.27	0.15	7.21	6.98	0.23	0.02	0.00
3/3/2015	201700	21800	1.36	1.13	1.59	-0.24	7.01	6.74	0.27	0.00	0.00
3/4/2015	195400	23300	1.33	1.11	1.50	-0.17	6.96	6.70	0.26	0.00	0.00
3/5/2015	188600	23500	1.27	1.06	1.48	-0.21	6.89	6.64	0.25	0.00	0.00
3/6/2015	150000	17100	1.23	1.07	1.45	-0.21	6.80	6.57	0.23	0.00	0.00
3/7/2015	192800	12600	1.30	1.10	1.48	-0.18	6.97	6.76	0.21	0.00	0.00
3/8/2015	227900	12000	1.44	1.20	1.46	-0.02	6.87	6.67	0.20	0.00	0.00
3/9/2015	191400	16400	1.11	0.90	1.08	0.03	6.94	6.80	0.14	0.00	0.00
3/10/2015	179300	20600	1.23	1.03	1.42	-0.19	6.78	6.61	0.17	0.00	0.00
3/11/2015	202400	21200	1.39	1.17	1.39	0.01	6.73	6.64	0.09	0.10	0.04
3/12/2015	175700	19000	1.23	1.03	1.43	-0.20	6.75	6.61	0.14	0.11	0.00
3/13/2015	158700	21300	1.17	0.99	1.38	-0.22	6.66	6.51	0.15	0.00	0.00
3/14/2015	294700	43200	2.52	2.18	2.04	0.48	8.25	8.09	0.16	0.60	0.86
3/15/2015	328200	34300	2.86	2.50	1.34	1.52	11.76	11.29	0.47	1.75	0.79
3/16/2015	248500	30900	1.83	1.55	1.69	0.13	9.13	9.02	0.11	0.23	0.00
3/17/2015	229700	27000	1.82	1.57	2.13	-0.31	8.20	8.04	0.16	0.00	0.05
3/18/2015	220200	25200	1.68	1.44	1.92	-0.23	7.86	7.71	0.15	0.11	0.00
3/19/2015	222300	24200	1.58	1.33	1.84	-0.26	7.64	7.43	0.21	0.00	0.00
3/20/2015	186900	27900	1.66	1.45	1.77	-0.11	7.48	7.31	0.17	0.00	0.10
3/21/2015	244700	17100	1.99	1.72	2.19	-0.20	8.35	8.16	0.19	0.43	0.08
3/22/2015	274000	24800	1.85	1.55	2.14	-0.28	8.52	8.29	0.23	0.28	0.14
3/23/2015	297500	48500	2.37	2.03	2.72	-0.34	8.70	8.53	0.17	0.30	0.56
3/24/2015	289000	43000	2.41	2.08	2.89	-0.48	10.16	9.96	0.20	0.90	0.24
3/25/2015	268700	34200	2.25	1.95	2.63	-0.37	9.38	9.22	0.16	0.38	0.18
3/26/2015	239900	26900	1.98	1.72	2.34	-0.35	8.76	8.55	0.21	0.05	0.00
3/27/2015	216700	30700	1.93	1.68	2.09	-0.16	8.23	8.04	0.19	0.00	0.03
3/28/2015	227000	15400	1.70	1.45	2.02	-0.32	8.11	7.89	0.22	0.17	0.00
3/29/2015	242500	15600	1.54	1.28	1.89	-0.36	8.10	7.88	0.22	0.00	0.00
3/30/2015	213600	22600	1.57	1.33	1.32	0.25	7.69	7.52	0.17	0.00	0.00
3/31/2015	230000	27800	1.68	1.42	1.79	-0.11	7.58	7.43	0.15	0.10	0.12
Total	6974100	764500	52.04	44.30	55.33	-3.28	244.00	237.83	6.17	5.53	3.19
Min	150000	12000	1.11	0.90	1.08	-0.48	6.66	6.51	0.09	0.00	0.00
Max	328200	48500	2.86	2.50	2.89	1.52	11.76	11.29	0.47	1.75	0.86
Average	224971	24661	1.68	1.43	1.78	-0.11	7.87	7.67	0.20	0.18	0.10

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
4/1/2015	214200	26800	1.44	1.20	1.75	-0.32	7.57	7.37	0.20	0.20	0.37
4/2/2015	209900	24500	1.49	1.26	1.78	-0.28	7.54	7.36	0.18	0.21	0.01
4/3/2015	189300	27400	1.60	1.38	1.83	-0.23	7.59	7.35	0.24	0.01	0.11
4/4/2015	231100	17400	1.65	1.40	1.93	-0.27	7.87	7.63	0.24	0.44	0.00
4/5/2015	275700	17700	1.66	1.36	1.82	-0.16	7.65	7.41	0.24	0.01	0.02
4/6/2015	214700	16900	1.61	1.38	1.35	0.26	7.46	7.29	0.17	0.27	0.00
4/7/2015	209500	14600	1.51	1.28	1.73	-0.23	7.17	7.04	0.13	0.01	0.01
4/8/2015	203700	14900	1.43	1.21	1.62	-0.19	6.96	6.81	0.15	0.06	0.04
4/9/2015	205800	14600	1.43	1.21	1.62	-0.19	6.93	6.76	0.17	0.13	0.00
4/10/2015	178900	15200	1.51	1.31	1.60	-0.09	6.94	6.78	0.16	0.00	0.00
4/11/2015	198200	14100	1.50	1.29	1.81	-0.30	7.46	7.26	0.20	0.30	0.09
4/12/2015	260600	14500	1.57	1.30	1.74	-0.17	7.59	7.36	0.23	0.18	0.00
4/13/2015	230700	27800	1.63	1.37	1.49	0.14	7.57	7.36	0.21	0.00	0.24
4/14/2015	232900	32600	2.05	1.78	2.20	-0.15	8.00	7.83	0.17	0.60	0.20
4/15/2015	214500	25800	1.88	1.64	2.14	-0.27	7.85	7.67	0.18	0.33	0.00
4/16/2015	220000	26500	1.70	1.45	1.97	-0.26	7.56	7.39	0.17	0.00	0.00
4/17/2015	185400	28000	1.73	1.51	1.83	-0.11	7.41	7.25	0.16	0.00	0.00
4/18/2015	207900	17600	1.57	1.34	1.74	-0.17	7.32	7.15	0.17	0.00	0.00
4/19/2015	203300	12000	1.56	1.35	1.69	-0.13	7.46	7.26	0.20	0.00	0.00
4/20/2015	209700	20500	1.23	1.00	1.20	0.03	7.20	7.03	0.17	0.00	0.00
4/21/2015	198100	22800	1.35	1.13	1.57	-0.22	7.01	6.94	0.07	0.00	0.00
4/22/2015	190100	17500	1.35	1.14	1.50	-0.15	6.89	6.92	-0.03	0.00	0.00
4/23/2015	196400	20200	1.35	1.13	1.53	-0.18	6.88	7.00	-0.12	0.00	0.01
4/24/2015	155100	25700	1.35	1.17	1.54	-0.19	6.86	6.78	0.08	0.17	0.08
4/25/2015	197700	14300	1.44	1.23	1.65	-0.21	7.14	7.01	0.13	0.37	0.00
4/26/2015	212000	12900	1.44	1.21	1.57	-0.13	7.24	7.07	0.17	0.00	0.01
4/27/2015	214200	22000	1.28	1.04	1.13	0.15	6.93	6.80	0.13	0.03	0.01
4/28/2015	188700	20200	1.28	1.07	1.48	-0.20	6.79	6.70	0.09	0.00	0.00
4/29/2015	175900	20900	1.24	1.05	1.39	-0.15	6.67	6.53	0.14	0.05	0.01
4/30/2015	199100	19700	1.23	1.01	1.43	-0.20	6.73	6.60	0.13	0.00	0.00
Total	6223300	605600	45.05	38.22	49.65	-4.59	218.24	213.71	4.53	3.37	1.21
Min	155100	12000	1.23	1.00	1.13	-0.32	6.67	6.53	-0.12	0.00	0.00
Max	275700	32600	2.05	1.78	2.20	0.26	8.00	7.83	0.24	0.60	0.37
Average	207443	20187	1.50	1.27	1.65	-0.15	7.27	7.12	0.15	0.11	0.04

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Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
5/1/2015	160200	21900	1.30	1.11	1.43	-0.13	6.71	6.59	0.12	0.00	0.00
5/2/2015	183400	9800	1.18	0.99	1.42	-0.23	6.80	6.64	0.16	0.00	0.00
5/3/2015	226900	11400	1.22	0.98	1.40	-0.18	6.98	6.81	0.17	0.00	0.00
5/4/2015	188400	19400	1.25	1.04	1.07	0.19	6.86	6.72	0.14	0.00	0.00
5/5/2015	195400	19900	1.24	1.03	1.37	-0.13	6.63	6.54	0.09	0.01	0.04
5/6/2015	171000	19100	1.25	1.06	1.33	-0.08	6.56	6.47	0.09	0.11	0.04
5/7/2015	196000	21100	1.14	0.92	1.35	-0.21	6.57	6.46	0.11	0.00	0.00
5/8/2015	135100	19400	1.08	0.93	1.32	-0.24	6.52	6.40	0.12	0.00	0.00
5/9/2015	186900	7600	1.17	0.98	1.34	-0.16	6.64	6.49	0.15	0.00	0.00
5/10/2015	215800	9500	1.23	1.01	1.29	-0.06	6.73	6.61	0.12	0.00	0.01
5/11/2015	205000	20600	1.23	1.01	1.08	0.15	6.80	6.68	0.12	0.00	0.07
5/12/2015	208900	24100	1.50	1.27	1.69	-0.18	7.25	7.22	0.03	0.81	0.23
5/13/2015	177200	19400	1.53	1.34	1.62	-0.09	7.05	7.00	0.05	0.40	0.01
5/14/2015	198100	20600	1.19	0.97	1.52	-0.33	6.83	6.73	0.10	0.00	0.00
5/15/2015	179700	23600	1.35	1.15	1.43	-0.08	6.70	6.60	0.10	0.00	0.00
5/16/2015	187400	9900	1.20	1.00	1.42	-0.22	6.72	6.60	0.12	0.00	0.00
5/17/2015	201900	11200	1.29	1.08	1.40	-0.11	6.91	6.77	0.14	0.00	0.00
5/18/2015	190300	19400	1.07	0.86	1.08	-0.01	6.81	6.68	0.13	0.00	0.00
5/19/2015	192400	18500	1.16	0.95	1.37	-0.20	6.62	6.50	0.12	0.00	0.00
5/20/2015	189100	20000	1.17	0.97	1.32	-0.15	6.56	6.48	0.08	0.00	0.00
5/21/2015	185900	20800	1.17	0.96	1.36	-0.19	6.62	6.51	0.11	0.01	0.00
5/22/2015	172300	18400	1.22	1.03	1.31	-0.09	6.49	6.36	0.13	0.00	0.00
5/23/2015	176400	6700	1.09	0.90	1.28	-0.19	6.40	6.29	0.11	0.00	0.00
5/24/2015	173400	8900	1.04	0.85	1.20	-0.16	6.28	6.15	0.13	0.00	0.00
5/25/2015	216400	10100	1.13	0.90	1.14	-0.01	6.92	6.76	0.16	0.00	0.00
5/26/2015	186700	18800	1.14	0.93	1.32	-0.19	6.63	6.54	0.09	0.00	0.00
5/27/2015	179500	17600	1.10	0.91	1.25	-0.15	6.41	6.33	0.08	0.00	0.00
5/28/2015	177800	21600	1.24	1.04	1.30	-0.05	6.52	6.37	0.15	0.00	0.00
5/29/2015	149500	19300	0.96	0.79	1.27	-0.31	6.49	6.21	0.28	0.00	0.00
5/30/2015	185000	13100	1.09	0.90	1.27	-0.18	6.52	6.37	0.15	0.00	0.00
5/31/2015	214000	10800	1.11	0.88	1.28	-0.17	6.74	6.61	0.13	0.00	0.00
Total	5806000	512500	37.06	30.74	41.20	-4.14	207.27	203.49	3.78	1.34	0.40
Min	135100	6700	0.96	0.79	1.07	-0.33	6.28	6.15	0.03	0.00	0.00
Max	226900	24100	1.53	1.34	1.69	0.19	7.25	7.22	0.28	0.81	0.23
Average	187290	16532	1.20	0.99	1.33	-0.13	6.69	6.56	0.12	0.04	0.01

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
6/1/2015	187400	19800	1.45	1.24	1.07	0.38	6.81	6.75	0.06	0.06	0.26
6/2/2015	190000	27100	1.50	1.28	1.44	0.06	6.92	6.92	0.00	0.50	0.11
6/3/2015	182400	21500	1.42	1.22	1.40	0.02	6.79	6.79	0.00	0.28	0.02
6/4/2015	182900	20800	1.42	1.22	1.38	0.05	6.70	6.63	0.07	0.00	0.00
6/5/2015	142200	19700	1.29	1.13	1.35	-0.05	6.64	6.49	0.15	0.00	0.00
6/6/2015	185200	7800	1.36	1.17	1.32	0.04	6.60	6.51	0.09	0.00	0.00
6/7/2015	233000	12300	1.40	1.15	1.32	0.08	6.82	6.72	0.10	0.00	0.00
6/8/2015	174700	19600	1.35	1.16	1.00	0.35	6.78	6.59	0.19	0.00	0.00
6/9/2015	181800	19800	1.31	1.11	1.30	0.01	6.60	6.65	-0.05	0.00	0.00
6/10/2015	180300	18600	1.30	1.10	1.23	0.07	6.49	6.29	0.20	0.00	0.00
6/11/2015	182500	19700	1.32	1.11	1.27	0.04	6.50	6.41	0.09	0.00	0.00
6/12/2015	172700	22600	1.41	1.21	1.27	0.13	6.46	6.22	0.24	0.00	0.00
6/13/2015	179200	12400	1.32	1.13	1.28	0.04	6.51	6.30	0.21	0.00	0.00
6/14/2015	190700	11900	1.21	1.01	1.28	-0.07	6.72	6.49	0.23	0.00	0.00
6/15/2015	172100	20200	1.32	1.13	0.98	0.34	6.68	6.45	0.23	0.00	0.00
6/16/2015	171700	14700	1.29	1.10	1.27	0.02	6.47	6.17	0.30	0.00	0.00
6/17/2015	165700	12100	1.23	1.05	1.19	0.04	6.40	6.00	0.40	0.00	0.00
6/18/2015	167900	9600	1.26	1.08	1.22	0.03	6.41	5.95	0.46	0.00	0.00
6/19/2015	152800	9100	1.28	1.12	1.20	0.09	6.35	6.08	0.27	0.00	0.00
6/20/2015	179100	8100	1.26	1.08	1.23	0.03	6.38	6.19	0.19	0.00	0.00
6/21/2015	192400	10900	1.32	1.12	1.18	0.14	6.44	6.28	0.16	0.00	0.00
6/22/2015	164000	8500	1.18	1.00	0.98	0.20	6.50	6.26	0.24	0.00	0.00
6/23/2015	173500	8900	1.34	1.15	1.19	0.15	6.33	5.94	0.39	0.00	0.00
6/24/2015	171700	11000	1.20	1.01	1.16	0.03	6.28	5.95	0.33	0.00	0.00
6/25/2015	153000	11200	1.12	0.96	1.18	-0.06	6.29	6.07	0.22	0.00	0.00
6/26/2015	156900	8000	1.15	0.99	1.16	-0.01	6.25	5.96	0.29	0.00	0.00
6/27/2015	165800	7300	1.22	1.05	1.20	0.03	6.29	6.12	0.17	0.00	0.00
6/28/2015	190300	8500	1.30	1.11	1.18	0.12	6.46	6.36	0.10	0.00	0.00
6/29/2015	175000	9000	1.26	1.07	0.94	0.32	6.40	6.20	0.20	0.00	0.00
6/30/2015	163800	11500	1.22	1.04	1.19	0.03	6.36	6.03	0.33	0.00	0.00
Total	5280700	422200	39.01	33.31	36.37	2.64	195.63	189.77	5.86	0.84	0.39
Min	142200	7300	1.12	0.96	0.94	-0.07	6.25	5.94	-0.05	0.00	0.00
Max	233000	27100	1.50	1.28	1.44	0.38	6.92	6.92	0.46	0.50	0.26
Average	176023	14073	1.30	1.11	1.21	0.09	6.52	6.33	0.20	0.03	0.01

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
7/1/2015	189100	8800	1.21	1.01	1.14	0.07	6.34	6.09	0.25	0.00	0.00
7/2/2015	162100	8900	1.33	1.16	1.19	0.14	6.31	6.08	0.23	0.00	0.00
7/3/2015	159300	7900	1.18	1.01	1.18	0.00	6.30	6.14	0.16	0.00	0.00
7/4/2015	176100	6800	1.17	0.98	1.11	0.05	6.11	5.94	0.17	0.00	0.00
7/5/2015	172200	7900	1.11	0.93	1.17	-0.06	6.29	6.08	0.21	0.00	0.00
7/6/2015	172000	12400	1.27	1.08	0.94	0.32	6.51	6.28	0.23	0.00	0.00
7/7/2015	168200	2800	1.20	1.03	1.19	0.01	6.39	6.05	0.34	0.00	0.00
7/8/2015	173200	7900	1.14	0.96	1.08	0.07	6.26	5.97	0.29	0.00	0.00
7/9/2015	169800	7100	1.15	0.97	1.12	0.03	6.19	5.90	0.29	0.00	0.00
7/10/2015	158700	7400	1.18	1.01	1.11	0.07	6.17	5.69	0.48	0.00	0.00
7/11/2015	167400	9200	1.17	1.00	1.12	0.06	6.21	5.96	0.25	0.00	0.00
7/12/2015	191500	7800	1.12	0.92	1.11	0.01	6.37	6.25	0.12	0.00	0.01
7/13/2015	179600	8600	1.21	1.02	0.91	0.30	6.36	6.29	0.07	0.06	0.01
7/14/2015	171600	7400	1.19	1.02	1.16	0.04	6.19	6.10	0.09	0.00	0.00
7/15/2015	172000	8200	1.17	0.99	1.11	0.06	6.18	6.08	0.10	0.00	0.00
7/16/2015	167000	8900	1.16	0.99	1.12	0.04	6.09	5.99	0.10	0.00	0.00
7/17/2015	144000	8600	1.22	1.07	1.16	0.06	6.15	6.05	0.10	0.00	0.00
7/18/2015	188300	7800	1.27	1.07	1.16	0.10	6.12	5.94	0.18	0.00	0.00
7/19/2015	204900	8000	1.15	0.93	1.14	0.00	6.28	6.12	0.16	0.00	0.00
7/20/2015	170400	9900	1.26	1.08	0.93	0.32	6.34	6.19	0.15	0.00	0.00
7/21/2015	180800	8300	1.18	0.99	1.17	0.02	6.19	5.95	0.24	0.00	0.00
7/22/2015	166500	7700	1.15	0.98	1.08	0.08	6.13	5.83	0.30	0.00	0.00
7/23/2015	178100	8800	1.27	1.08	1.13	0.14	6.07	5.88	0.19	0.00	0.00
7/24/2015	130000	7700	1.04	0.90	1.13	-0.09	6.11	5.87	0.24	0.00	0.00
7/25/2015	169000	7700	1.26	1.09	1.19	0.07	6.40	6.27	0.13	0.07	0.16
7/26/2015	210800	8700	1.29	1.07	1.17	0.12	6.50	6.38	0.12	0.24	0.07
7/27/2015	192600	8600	1.29	1.09	0.96	0.33	6.36	6.25	0.11	0.09	0.00
7/28/2015	169500	10400	1.22	1.04	1.19	0.03	6.24	5.96	0.28	0.00	0.00
7/29/2015	164700	7900	0.99	0.81	1.11	-0.12	6.13	5.89	0.24	0.00	0.00
7/30/2015	171800	8300	1.21	1.03	1.12	0.08	6.13	5.93	0.20	0.00	0.00
7/31/2015	137600	8400	1.15	1.01	1.15	0.00	6.15	5.81	0.34	0.00	0.00
Total	5328800	254800	36.90	31.32	34.55	2.35	193.57	187.21	6.36	0.46	0.25
Min	130000	2800	0.99	0.81	0.91	-0.12	6.07	5.69	0.07	0.00	0.00
Max	210800	12400	1.33	1.16	1.19	0.33	6.51	6.38	0.48	0.24	0.16
Average	171897	8219	1.19	1.01	1.11	0.08	6.24	6.04	0.21	0.01	0.01

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Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
8/1/2015	168500	7600	1.18	1.00	1.17	0.01	6.14	5.93	0.21	0.00	0.00
8/2/2015	206300	9100	1.23	1.01	1.14	0.09	6.37	6.28	0.09	0.00	0.00
8/3/2015	161400	8700	1.12	0.95	0.73	0.40	6.07	6.00	0.07	0.00	0.00
8/4/2015	187100	8400	1.22	1.02	1.25	-0.03	6.31	6.06	0.25	0.00	0.00
8/5/2015	186500	6900	0.97	0.78	1.24	-0.28	6.31	6.05	0.26	0.00	0.00
8/6/2015	178600	7500	0.92	0.74	1.15	-0.23	6.19	6.12	0.07	0.00	0.00
8/7/2015	154800	10600	1.04	0.87	1.13	-0.09	6.15	5.93	0.22	0.00	0.00
8/8/2015	167800	6400	1.14	0.97	1.14	0.00	6.21	6.04	0.17	0.00	0.00
8/9/2015	178000	8100	1.21	1.02	1.14	0.07	6.37	6.27	0.10	0.00	0.00
8/10/2015	191200	20600	1.09	0.88	0.94	0.15	6.36	6.27	0.09	0.00	0.00
8/11/2015	150100	11700	1.14	0.98	1.15	-0.01	6.25	6.16	0.09	0.00	0.00
8/12/2015	192400	11100	1.15	0.95	1.11	0.04	6.19	5.96	0.23	0.00	0.00
8/13/2015	152600	13100	1.19	1.03	1.18	0.01	6.25	6.07	0.18	0.00	0.00
8/14/2015	187600	15500	1.27	1.07	1.16	0.11	6.26	6.17	0.09	0.00	0.01
8/15/2015	188100	14700	1.27	1.07	1.19	0.08	6.29	6.18	0.11	0.06	0.00
8/16/2015	155400	9600	1.00	0.83	1.15	-0.15	6.41	6.31	0.10	0.00	0.00
8/17/2015	188200	10200	1.21	1.01	0.94	0.26	6.33	6.14	0.19	0.00	0.00
8/18/2015	175700	12600	1.18	0.99	1.17	0.01	6.17	5.94	0.23	0.00	0.00
8/19/2015	177400	10400	1.14	0.95	1.10	0.04	6.11	5.87	0.24	0.00	0.00
8/20/2015	173700	10500	1.16	0.98	1.16	0.00	6.16	6.15	0.01	0.00	0.00
8/21/2015	146000	8800	1.18	1.02	1.14	0.04	6.11	5.95	0.16	0.00	0.00
8/22/2015	171500	10200	1.16	0.98	1.17	-0.01	6.12	5.99	0.13	0.00	0.00
8/23/2015	198300	8000	1.19	0.98	1.14	0.05	6.29	6.16	0.13	0.00	0.00
8/24/2015	173000	9800	1.22	1.03	0.94	0.28	6.26	6.11	0.15	0.00	0.00
8/25/2015	173300	9800	1.18	0.99	1.17	0.01	6.15	5.81	0.34	0.00	0.00
8/26/2015	154300	12600	1.20	1.03	1.13	0.07	6.06	5.76	0.30	0.00	0.00
8/27/2015	186900	10900	1.17	0.97	1.16	0.01	6.14	5.92	0.22	0.00	0.00
8/28/2015	160400	12500	1.28	1.11	1.16	0.12	6.11	5.97	0.14	0.00	0.01
8/29/2015	169500	8600	1.24	1.06	1.22	0.03	6.43	6.33	0.10	0.36	0.04
8/30/2015	193600	12500	1.25	1.05	1.32	-0.07	6.91	6.82	0.09	0.54	0.47
8/31/2015	197500	12500	1.28	1.07	1.00	0.28	6.49	6.38	0.11	0.40	0.00
Total	5445700	329500	36.16	30.39	34.86	1.31	193.97	189.10	4.87	1.36	0.53
Min	146000	6400	0.92	0.74	0.73	-0.28	6.06	5.76	0.01	0.00	0.00
Max	206300	20600	1.28	1.11	1.32	0.40	6.91	6.82	0.34	0.54	0.47
Average	175668	10629	1.17	0.98	1.12	0.04	6.26	6.10	0.16	0.04	0.02

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
9/1/2015	164800	10900	1.15	0.97	1.28	-0.13	6.49	6.37	0.12	0.00	0.17
9/2/2015	154100	18700	1.08	0.90	1.21	-0.14	6.40	6.30	0.10	0.13	0.02
9/3/2015	181800	17200	1.09	0.89	1.25	-0.17	6.38	6.17	0.21	0.00	0.02
9/4/2015	153000	17800	0.97	0.80	1.20	-0.24	6.21	6.06	0.15	0.00	0.00
9/5/2015	173800	11900	1.03	0.85	1.20	-0.17	6.24	6.04	0.20	0.00	0.04
9/6/2015	174200	11200	0.99	0.81	1.16	-0.16	6.24	6.05	0.19	0.07	0.26
9/7/2015	231000	11400	1.19	0.95	1.10	0.09	6.72	6.55	0.17	0.16	0.00
9/8/2015	176900	18800	1.09	0.89	1.27	-0.18	6.47	6.37	0.10	0.00	0.00
9/9/2015	175600	18500	1.05	0.86	1.19	-0.14	6.26	6.17	0.09	0.00	0.00
9/10/2015	162800	19200	1.07	0.89	1.23	-0.16	6.28	6.18	0.10	0.00	0.00
9/11/2015	156400	18100	1.03	0.85	1.18	-0.15	6.19	6.07	0.12	0.00	0.00
9/12/2015	163700	10500	1.01	0.84	1.20	-0.18	6.26	6.14	0.12	0.00	0.00
9/13/2015	193100	8400	1.07	0.87	1.20	-0.13	6.50	6.33	0.17	0.00	0.00
9/14/2015	171500	18500	1.08	0.89	0.96	0.11	6.44	6.23	0.21	0.00	0.03
9/15/2015	202200	17600	1.04	0.82	1.22	-0.18	6.29	6.14	0.15	0.08	0.00
9/16/2015	177300	18000	1.02	0.82	1.16	-0.14	6.17	6.05	0.12	0.01	0.01
9/17/2015	186600	21500	1.08	0.87	1.24	-0.16	6.34	6.27	0.07	0.08	0.35
9/18/2015	167300	18300	1.15	0.96	1.22	-0.07	6.28	6.16	0.12	0.26	0.00
9/19/2015	150000	7300	1.14	0.99	1.24	-0.09	6.37	6.23	0.14	0.00	0.00
9/20/2015	205500	8600	0.95	0.73	1.23	-0.29	6.59	6.46	0.13	0.00	0.00
9/21/2015	204500	18400	1.04	0.82	1.24	-0.20	6.42	6.29	0.13	0.02	0.00
9/22/2015	188200	18700	1.03	0.83	1.21	-0.18	6.23	6.08	0.15	0.00	0.00
9/23/2015	184000	23400	1.00	0.79	1.15	-0.15	6.16	6.01	0.15	0.00	0.00
9/24/2015	168100	18800	1.03	0.84	1.19	-0.16	6.18	6.07	0.11	0.00	0.00
9/25/2015	134100	17900	1.00	0.85	1.18	-0.18	6.18	6.10	0.08	0.00	0.21
9/26/2015	183100	7700	1.06	0.87	1.23	-0.16	6.35	6.20	0.15	0.24	0.00
9/27/2015	218400	9400	1.06	0.84	1.19	-0.13	6.52	6.34	0.18	0.00	0.00
9/28/2015	180800	21600	1.05	0.85	1.23	-0.17	6.33	6.20	0.13	0.00	0.00
9/29/2015	161200	17700	1.04	0.86	1.20	-0.16	6.15	6.02	0.13	0.00	0.00
9/30/2015	193600	18500	1.03	0.81	1.15	-0.12	6.12	5.98	0.14	0.00	0.00
Total	5337600	474500	31.62	25.81	35.90	-4.27	189.76	185.63	4.13	1.05	1.11
Min	134100	7300	0.95	0.73	0.96	-0.29	6.12	5.98	0.07	0.00	0.00
Max	231000	23400	1.19	0.99	1.28	0.11	6.72	6.55	0.21	0.26	0.35
Average	177920	15817	1.05	0.86	1.20	-0.14	6.33	6.19	0.14	0.04	0.04

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Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
10/1/2015	181800	19300	1.06	0.86	1.20	-0.14	6.11	5.99	0.12	0.00	0.00
10/2/2015	175600	19200	1.10	0.90	1.20	-0.10	6.07	5.92	0.15	0.00	0.00
10/3/2015	171300	7900	1.02	0.84	1.23	-0.21	6.31	6.15	0.16	0.15	0.00
10/4/2015	198000	8300	0.97	0.76	1.22	-0.24	6.53	6.35	0.18	0.00	0.00
10/5/2015	179400	20900	1.07	0.87	1.24	-0.16	6.39	6.24	0.15	0.00	0.00
10/6/2015	175500	17300	1.02	0.83	1.20	-0.18	6.17	6.04	0.13	0.00	0.00
10/7/2015	185900	18400	1.03	0.83	1.17	-0.14	6.16	6.06	0.10	0.11	0.17
10/8/2015	178700	17700	1.01	0.81	1.18	-0.17	6.16	6.06	0.10	0.17	0.01
10/9/2015	158200	11500	1.06	0.89	1.18	-0.12	6.12	5.99	0.13	0.00	0.01
10/10/2015	178100	7500	1.12	0.94	1.29	-0.17	6.46	6.38	0.08	0.04	0.38
10/11/2015	208400	9100	1.09	0.87	1.26	-0.18	6.62	6.46	0.16	0.41	0.01
10/12/2015	182100	19200	1.10	0.90	1.27	-0.17	6.41	6.28	0.13	0.01	0.00
10/13/2015	178300	19300	1.04	0.85	1.21	-0.17	6.21	6.09	0.12	0.00	0.00
10/14/2015	177300	19100	1.01	0.81	1.17	-0.16	6.19	6.08	0.11	0.00	0.00
10/15/2015	185300	16900	1.03	0.83	1.20	-0.17	6.33	6.21	0.12	0.00	0.00
10/16/2015	169700	18400	1.14	0.95	1.17	-0.03	6.09	6.00	0.09	0.00	0.00
10/17/2015	178500	8400	1.05	0.86	1.22	-0.17	6.26	6.15	0.11	0.02	0.01
10/18/2015	188900	10800	0.97	0.77	1.25	-0.27	6.57	6.48	0.09	0.14	0.16
10/19/2015	182100	19300	1.03	0.83	1.25	-0.22	6.40	6.29	0.11	0.27	0.02
10/20/2015	177800	20600	1.08	0.88	1.23	-0.15	6.21	6.10	0.11	0.08	0.03
10/21/2015	176800	21100	1.02	0.83	1.17	-0.15	6.15	6.02	0.13	0.00	0.00
10/22/2015	178700	18000	1.06	0.86	1.21	-0.15	6.15	5.99	0.16	0.00	0.00
10/23/2015	140400	17600	1.06	0.90	1.18	-0.13	6.13	5.90	0.23	0.00	0.00
10/24/2015	202000	10300	1.19	0.98	1.22	-0.03	6.27	6.08	0.19	0.00	0.00
10/25/2015	199100	12000	1.29	1.08	1.30	-0.01	6.82	6.67	0.15	0.00	0.67
10/26/2015	184000	20400	1.04	0.83	1.03	0.00	6.51	6.39	0.12	0.58	0.03
10/27/2015	175300	17200	1.09	0.90	1.28	-0.19	6.57	6.42	0.15	0.02	0.00
10/28/2015	178600	16600	1.15	0.96	1.24	-0.09	6.40	6.29	0.11	0.08	0.28
10/29/2015	187700	16700	1.15	0.95	1.31	-0.16	6.43	6.35	0.08	0.29	0.03
10/30/2015	148000	22900	1.50	1.33	1.55	-0.05	6.73	6.69	0.04	0.33	0.56
10/31/2015	200200	37100	2.06	1.82	2.21	-0.15	8.63	8.50	0.13	1.04	1.82
Total	5581700	519000	34.61	28.51	39.02	-4.41	198.56	194.62	3.94	3.74	4.19
Min	140400	7500	0.97	0.76	1.03	-0.27	6.07	5.90	0.04	0.00	0.00
Max	208400	37100	2.06	1.82	2.21	0.00	8.63	8.50	0.23	1.04	1.82
Average	180055	16742	1.12	0.92	1.26	-0.14	6.41	6.28	0.13	0.12	0.14

Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
11/1/2015	238200	24200	1.73	1.47	1.91	-0.18	8.03	7.91	0.12	1.68	0.38
11/2/2015	186400	26200	1.48	1.27	1.30	0.18	7.44	7.31	0.13	0.42	0.03
11/3/2015	181400	22600	1.30	1.10	1.55	-0.24	6.88	6.71	0.17	0.02	0.01
11/4/2015	179600	23700	1.41	1.20	1.41	-0.01	6.72	6.49	0.23	0.00	0.00
11/5/2015	180100	20800	1.04	0.84	1.40	-0.36	6.88	6.67	0.21	0.03	0.02
11/6/2015	133300	17600	1.09	0.94	1.35	-0.26	6.41	6.22	0.19	0.06	0.00
11/7/2015	178800	14200	1.47	1.28	1.51	-0.04	6.92	6.73	0.19	0.00	0.55
11/8/2015	237200	19700	1.78	1.52	1.87	-0.10	7.84	7.61	0.23	0.71	0.38
11/9/2015	189400	27000	1.50	1.28	1.31	0.18	7.30	7.09	0.21	0.57	0.01
11/10/2015	138200	22600	1.31	1.15	1.55	-0.24	6.70	6.49	0.21	0.00	0.00
11/11/2015	227700	15200	1.45	1.21	1.57	-0.12	6.94	6.75	0.19	0.21	0.22
11/12/2015	194100	28600	1.52	1.30	1.64	-0.12	6.83	6.61	0.22	0.10	0.09
11/13/2015	171800	32100	1.76	1.55	1.79	-0.03	6.85	6.74	0.11	0.49	0.05
11/14/2015	190400	16700	1.67	1.46	1.90	-0.23	7.25	7.12	0.13	0.35	0.00
11/15/2015	220400	23000	1.85	1.60	1.94	-0.10	7.69	7.43	0.26	0.32	0.29
11/16/2015	203800	44100	2.04	1.79	2.01	0.03	7.54	7.31	0.23	0.15	0.73
11/17/2015	208800	58200	2.68	2.41	3.14	-0.46	9.55	9.39	0.16	1.47	1.05
11/18/2015	217300	40200	2.19	1.94	2.47	-0.27	8.39	8.22	0.17	0.82	0.24
11/19/2015	205500	39700	2.13	1.89	2.52	-0.38	8.83	8.55	0.28	0.45	0.54
11/20/2015	168600	29300	1.78	1.58	2.12	-0.33	7.79	7.54	0.25	0.13	0.00
11/21/2015	196000	20200	1.84	1.62	1.98	-0.14	7.63	7.31	0.32	0.00	0.01
11/22/2015	217200	18800	1.60	1.37	1.87	-0.27	7.64	7.32	0.32	0.00	0.00
11/23/2015	222300	34400	1.80	1.54	1.80	0.00	7.31	7.06	0.25	0.00	0.40
11/24/2015	202500	32800	1.92	1.69	2.29	-0.36	8.35	8.12	0.23	0.83	0.00
11/25/2015	191900	18300	1.80	1.59	2.03	-0.23	7.91	7.62	0.29	0.02	0.01
11/26/2015	232600	16200	1.55	1.30	1.81	-0.26	7.82	7.47	0.35	0.00	0.01
11/27/2015	188100	16800	1.41	1.21	1.65	-0.24	7.00	6.71	0.29	0.00	0.01
11/28/2015	199400	13100	1.48	1.27	1.68	-0.20	7.19	6.86	0.33	0.00	0.00
11/29/2015	231000	15500	1.42	1.17	1.67	-0.25	7.38	7.03	0.35	0.00	0.00
11/30/2015	197000	21600	1.34	1.12	1.56	-0.23	6.99	6.69	0.30	0.00	0.00
Total	5929000	753400	49.33	42.65	54.58	-5.24	224.00	217.08	6.92	8.83	5.03
Min	133300	13100	1.04	0.84	1.30	-0.46	6.41	6.22	0.11	0.00	0.00
Max	238200	58200	2.68	2.41	3.14	0.18	9.55	9.39	0.35	1.68	1.05
Average	197633	25113	1.64	1.42	1.82	-0.17	7.47	7.24	0.23	0.29	0.17

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Salmon Creek Wastewater Treatment Plant Flow and Rainfall Report

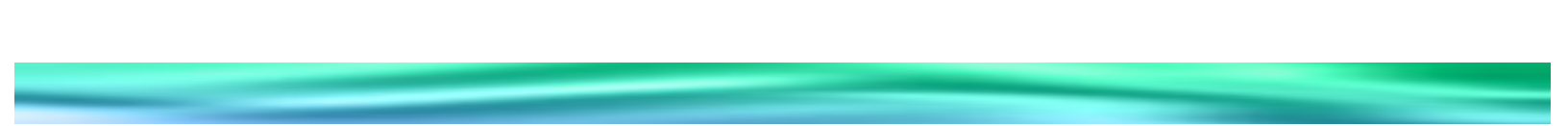
Date	Meadow Glade GPD	Hockinson GPD	Total BG Inf MGD	BG Only MGD	Total BG Eff MGD	Diff MGD	SC Inf MGD	SC Eff MGD	Diff MGD	BG Rainfall	SC Rainfall
12/1/2015	197900	27300	1.73	1.50	1.55	0.17	6.91	6.68	0.23	0.05	0.61
12/2/2015	203800	32200	1.78	1.54	1.91	-0.13	7.75	7.34	0.41	0.68	0.38
12/3/2015	241700	43600	2.28	2.00	2.24	0.05	8.41	8.19	0.22	0.45	0.58
12/4/2015	165900	28000	1.72	1.53	2.45	-0.73	8.70	8.49	0.21	0.63	0.32
12/5/2015	232900	28300	2.17	1.90	2.30	-0.13	8.45	8.21	0.24	0.09	0.54
12/6/2015	359600	52800	2.84	2.43	2.67	0.18	9.56	9.36	0.20	0.67	0.94
12/7/2015	389400	87100	4.21	3.73	2.83	1.38	14.10	12.15	1.95	1.65	2.35
12/8/2015	450000	122800	4.85	4.27	4.42	0.43	13.59	13.17	0.42	1.27	2.51
12/9/2015	316900	60400	3.85	3.47	4.05	-0.20	14.81	14.09	0.72	3.06	0.44
12/10/2015	182000	54700	3.67	3.44	4.52	-0.85	13.57	12.96	0.61	0.67	1.02
12/11/2015	227300	39200	2.68	2.42	4.50	-1.82	12.88	12.30	0.58	0.38	0.59
12/12/2015	303200	41600	3.42	3.08	3.58	-0.16	12.18	11.65	0.53	0.41	0.68
12/13/2015	324100	37600	3.34	2.98	3.73	-0.39	12.57	11.98	0.59	0.93	0.81
12/14/2015	223100	34800	2.59	2.33	3.11	-0.52	11.23	10.76	0.47	0.48	0.05
12/15/2015	219400	34000	2.42	2.17	2.64	-0.22	9.72	9.37	0.35	0.04	0.20
12/16/2015	229100	35800	2.45	2.19	2.69	-0.24	9.66	9.38	0.28	0.43	0.11
12/17/2015	362200	78600	3.83	3.39	3.43	0.40	12.05	11.49	0.56	0.50	2.41
12/18/2015	265400	50100	3.63	3.32	4.27	-0.64	13.44	12.84	0.60	1.60	0.53
12/19/2015	235300	26600	2.62	2.36	3.15	-0.53	11.06	10.66	0.40	0.34	0.04
12/20/2015	287700	50000	2.95	2.61	2.90	0.04	10.60	10.22	0.38	0.28	0.61
12/21/2015*	264600	37700	3.01	2.71	3.39	3.01	12.42	11.87	0.55	1.01	0.93
12/22/2015*	264600	37700	3.01	2.71	3.39	-3.78	11.15	10.76	0.39	0.35	0.41
12/23/2015	236300	34400	2.69	2.42	3.35	-0.66	11.66	11.18	0.48	0.62	0.16
12/24/2015	264500	31500	2.98	2.68	2.63	0.35	11.70	11.21	0.49	0.77	0.02
12/25/2015	189000	20300	2.12	1.91	2.63	-0.50	9.93	9.57	0.36	0.10	0.02
12/26/2015	189100	17800	2.09	1.88	2.44	-0.35	9.43	9.08	0.35	0.00	0.00
12/27/2015	221200	23100	2.07	1.83	2.29	-0.22	9.34	8.98	0.36	0.02	0.26
12/28/2015	193900	20200	2.03	1.82	2.33	-0.30	9.28	9.00	0.28	0.29	0.09
12/29/2015	199700	22100	2.08	1.86	2.27	-0.19	9.08	8.78	0.30	0.07	0.33
12/30/2015	189200	18900	1.96	1.75	2.20	-0.24	8.82	8.51	0.31	0.26	0.00
12/31/2015	178700	19700	2.03	1.83	2.09	-0.06	8.69	8.37	0.32	0.00	0.00
Total	7807700	1248900	85.11	76.05	91.93	-6.83	332.74	318.60	14.14	18.10	17.94
Min	165900	17800	1.72	1.50	1.55	-3.78	6.91	6.68	0.20	0.00	0.00
Max	450000	122800	4.85	4.27	4.52	3.01	14.81	14.09	1.95	3.06	2.51
Average	251861	40287	2.75	2.45	2.97	-0.22	10.73	10.28	0.46	0.58	0.58

*Meter reads were not able to be collected on 12/21/15. These reads were reflected in 12/22/15 reads and then split between the two c



APPENDIX D

ERU AND SEWER LINE DATA



**CLARK REGIONAL WASTEWATER DISTRICT
SALMON CREEK TREATMENT PLANT
SEWER CONNECTION REPORT**

Year: Jan 2015 - Dec 2015

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction		Total Line Construction	Total Miles	Year to Date	
								Developer	District			ERU'S	SCTP - All
Balance Forward	ERU's	21525.0		5251.5		4015.4	30791.9			1865575	353.3	Res	760.0
												Multi-Family	233.9
												Comm	33.2
												Total	1027.1
Jan	46.0	21571.0	0.0	5251.5	4.6 ♦	4020.0	30842.5	15076	0	1880651	356.2	VTP	
Feb	58.0	21629.0	0.0	5251.5	2.0 ♦	4022.0	30902.5	325	0	1880976	356.2	Res	63.0
Mar	64.0	21693.0	0.0	5251.5	5.2 ♦	4027.2	30971.7	0	0	1880976	356.2	Multi-Family	0.0
Apr	44.0	21737.0	0.0	5251.5	0.3 ♦	4027.5	31016.0	1193	0	1882169	356.5	Comm	7.0
May	73.0	21810.0	59.5 ♦	5311.0	2.6 ♦	4030.1	31151.1	8929	0.0	1891098	358.2	Total	70.0
Jun	67.0	21877.0	1.6 ♦	5312.6	2.9 ♦	4033.0	31222.6	8079	0.0	1899177	359.7	RTP	
Jul	89.0	21966.0	35.2 ♦	5347.8	5.3 ♦	4038.3	31352.1	5575	0.0	1904752	360.7	Res	198.0
Aug	59.0	22025.0	12.8 ♦	5360.6	6.8 ♦	4045.1	31430.7	8061	832.0	1913645	362.4	Multi-Family	0.0
Sep	60.0	22085.0	28.8 ♦	5389.4	0.0	4045.1	31519.5	4679	0.0	1918324	363.3	Comm	3.6
Oct	53.0	22138.0	9.6 ♦	5399.0	0.0	4045.1	31582.1	0	0.0	1918324	363.3	Total	201.6
Nov	66.0	22204.0	12.8 ♦	5411.8	3.5 ♦	4048.6	31664.4	5157	0.0	1923481	364.3	Permits	
Dec	62.0	22266.0	73.6 ♦	5485.4	0.0	4048.6	31800.0	0	0.0	1923481	364.3	SCTP	797
Subtotals	741.0		233.9		33.2			57074	832			VTP	200
Total ERU's		22266.0		5485.4		4048.6	31800.0			1923481	364.3	RTP	65
												Total	1062

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January		
SCTP	Felida Oddfellows 12514 NW 36th Ave	
	◆ Farrars Bistro remodel	2.6
SCTP	Salmon Creek Retail 2014 14007 NE 3rd Ct	
	◆ Fred Meyer Fuel Station	1.0
	504 NE 139th St	
	◆ Sherwin Williams	1.0
		<u>4.6</u>

February		
SCTP	Mt View Veterinary ◆ 13914 NE 16th Ave	1.0
SCTP	Salmon Creek BP Westland North 14411 NE 13th Ave	
	◆ Building F	1.0
		<u>2.0</u>

March		
SCTP	Community Home Health Hospice ◆ 3102 NE 136th St	5.2
		<u>5.2</u>

April		
SCTP	Crossroads Professional Center 14508 NE 20th Ave Ste 307	
	◆ AP Mental Health	0.3
		<u>0.3</u>

May		
SCTP	The Fountains 11900 NE 103rd St	
	◆ Office/Recreation room	1.0
	◆ Building J	9.6
	◆ Building K	9.6
	◆ Building L	9.6
	◆ Building M	9.6
	◆ Building N	9.6
	◆ Building P	6.4

SCTP	Felida Village 3600 NW 119th St	
	◆ Building 1 Shell	1
	◆ Building 2 Apartments	3.2
	◆ Building 3 Apartments	1.9

SCTP	Northgate Shopping Center 9915 NE Hazel Dell Ave	
	◆ Joy Teriyaki	0.6
		<u>62.1</u>

June		
SCTP	Accessory Dwelling Units - existing ◆ 8504 NE 63rd St	1.6
		<u>1.6</u>
SCTP	99th Street Development 10002 NE 13th Ave	
	◆ Head Start Family Support	1.8
SCTP	Salmon Creek Black Rock Coffee Bar ◆ 13309 NE 20th Ave	1.0
SCTP	Kirkwood Office Bdg 2 2105 NE 129th St	
	◆ Coldwell Banker	0.1
		<u>2.9</u>

July		
SCTP	Rock Creek Commons 11800 NE 124th Ave	
	◆ Building D	9.6
	◆ Building E	12.8
	◆ Building Q	12.8
SCTP	Salmon Creek BP Westland North 14419 NE 13th Ave	
	◆ Building G	1.0
SCTP	Centerpointe Retail 8708 NE Centerpointe Dr	
	◆ Black Rock Coffee Bar	1.0
SCTP	Goodwill Industries 14300 NE 20th Ave Ste 202	
	◆ I Am Thai	2.6
		<u>39.8</u>

August		
SCTP	Bowyers Marketplace Retail A&D 11500 NE 119th St Ste 100	
	◆ Nice Nails Spa	0.7
SCTP	Rock Creek Commons 11800 NE 124th Ave	
	◆ Building F	12.8
SCTP	Union Prairie Business Park ◆ 11825 NE 113th St	1.0
	◆ 11915 NE 113th St	4.1
SCTP	Salmon Creek Retail 2014 500 NE 139th St	
	◆ Banner Bank	1.0
		<u>19.6</u>

September		
SCTP	Rock Creek Commons 11800 NE 124th Ave	
	◆ Building G	9.6
	◆ Building H	9.6
	◆ Building P	9.6
		<u>28.8</u>

October		
SCTP	Rock Creek Commons 11800 NE 124th Ave	
	◆ Building O	9.6
		<u>9.6</u>

November		
SCTP	Felida Village 2014 3604 NW 119th St Ste 100	
	◆ Edward Jones	0.2
SCTP	North Park Bldg D2 5408 NE 88th St Ste 505	
	◆ Jager Cylinger Service	0.4
SCTP	Rock Creek Commons 11800 NE 124th Ave	
	◆ Building I	12.8
SCTP	Union Prairie Business Park Bldg 2 11825 NE 113th St Ste 112	
	◆ Blackstone Fire Protection	0.2
	11825 NE 113th St Ste 120	
	◆ Creative Interiors and Design	0.2
SCTP	Walgreens Salmon Creek ◆ 2100 NE 139th St	2.5
		<u>16.3</u>

December		
SCTP	The Fountains 11900 NE 103rd St	
	◆ Building A	6.4
	◆ Building B	9.6
	◆ Building C	9.6
	◆ Building D	9.6
	◆ Building E	9.6
	◆ Building F	9.6
	◆ Building G	9.6
	◆ Building H	9.6
		<u>73.6</u>

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

Year: Jan 2015 - Dec 2015

Month	New Residential	Total Residential	Multi Family/ Guesthomes (* .8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction		Total Line Construction	Total Miles
	ERU's							Developer	District		
Balance Forward		690.0		1.6		108.1	799.7			25382	4.8
Jan	0.0	690.0	0.0	1.6	0.0	108.1	799.7	0	0	25382	4.8
Feb	0.0	690.0	0.0	1.6	0.0	108.1	799.7	1132	0	26514	5.0
Mar	3.0	693.0	0.0	1.6	0.0	108.1	802.7	0	0	26514	5.0
Apr	5.0	698.0	0.0	1.6	0.0	108.1	807.7	0	0	26514	5.0
May	0.0	698.0	0.0	1.6	0.0	108.1	807.7	0	0	26514	5.0
Jun	0.0	698.0	0.0	1.6	0.0	108.1	807.7	0	0	26514	5.0
Jul	2.0	700.0	0.0	1.6	0.0	108.1	809.7	0	0	26514	5.0
Aug	3.0	703.0	0.0	1.6	0.0	108.1	812.7	0	0	26514	5.0
Sep	2.0	705.0	0.0	1.6	0.0	108.1	814.7	466	0	26980	5.1
Oct	0.0	705.0	0.0	1.6	0.0	108.1	814.7	0	0	26980	5.1
Nov	0.0	705.0	0.0	1.6	0.0	108.1	814.7	0	0	26980	5.1
Dec	0.0	705.0	0.0	1.6	0.0	108.1	814.7	0	0	26980	5.1
Subtotals	15.0		0.0		0.0			1598	0		
Total ERU's		705.0		1.6		108.1	814.7			26980	5.1



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

Year: Jan 2015 - Dec 2015

Month	New Residential	Total Residential	Multi Family/ Guesthomes (*.8)	Total Res/ Multi-Family	New Commercial	Total Commercial	Grand Total ERU's	Line Construction		Total Line Construction	Total Miles
	ERU's							Developer	District		
Balance Forward		52.0		0.0		133.6	185.6			5746	1.1
Jan	0.0	52.0	0.0	0.0	0.0	133.6	185.6	0	0	5746	1.1
Feb	0.0	52.0	0.0	0.0	0.0	133.6	185.6	0	0	5746	1.1
Mar	1.0	53.0	0.0	0.0	0.0	133.6	186.6	0	0	5746	1.1
Apr	0.0	53.0	0.0	0.0	0.0	133.6	186.6	0	0	5746	1.1
May	0.0	53.0	0.0	0.0	0.0	133.6	186.6	0	0	5746	1.1
Jun	0.0	53.0	0.0	0.0	0.0	133.6	186.6	0	0	5746	1.1
Jul	2.0	55.0	0.0	0.0	0.0	133.6	188.6	0	0	5746	1.1
Aug	0.0	55.0	0.0	0.0	0.0	133.6	188.6	0	0	5746	1.1
Sep	0.0	55.0	0.0	0.0	0.0	133.6	188.6	0	0	5746	1.1
Oct	0.0	55.0	0.0	0.0	0.0	133.6	188.6	0	0	5746	1.1
Nov	0.0	55.0	0.0	0.0	0.0	133.6	188.6	0	0	5746	1.1
Dec	1.0	56.0	0.0	0.0	0.0	133.6	189.6	0	0	5746	1.1
Subtotals	4.0		0.0		0.0			0	0		
Total ERU's		56.0		0.0		133.6	189.6			5746	1.1

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