

SAN RAMON VALLEY RECYCLED WATER PROGRAM 2019 IRRIGATION SEASON

Recycled Water Use Annual Report



**Irrigated
with
Recycled Water**



Not for drinking
No es para beber



Dublin San Ramon
Services District
Water, wastewater, recycled water

SAN RAMON VALLEY RECYCLED WATER PROGRAM
2019 IRRIGATION SEASON
Recycled Water Use Annual Report

Prepared by Dublin San Ramon Services District
For the San Ramon Valley Recycled Water Program

March 2020

Table of Contents

	<u>Page</u>
I. Introduction.....	1
II. DSRSD/DERWA Recycled Water Treatment Processes	1
III. Recycled Water Monitoring	5
IV. Progress and Results of the Recycled Water Program Expansion.....	7
V. Residential Recycled Water Fill Stations	8
VI. Commercial Recycled Water Fill Stations and Recycled Water Hydrants	9
VII. User Compliance Program Review and Results.....	9
VIII. Attachments	
A. Description of Recycled Water Facilities	12
B. Monthly Dissolved Oxygen, Coliform, and Conductivity Summary	15
C. Flow and Turbidity Data for Microfiltration-Ultraviolet Disinfection Facility ...	28
D. Flow and Turbidity Data for Sand Filtration-Ultraviolet Disinfection Facility...	42
E. DSRSD Recycled Water Customer Information and Compliance Summary	
Table 1: Recycled Water Use by Billing Period by Each User	56
Table 2: Summary of Recycled Water Usage by Application Type	70
Table 3: List of New Authorized Recycled Water Licenses	71
Table 4: Results from Users' Self-Monitoring Reports.....	72
Table 5: Summary of Violations Found During Site Inspections and Corrective Actions Taken	73
F. EBMUD Recycled Water Customer Information and Compliance Summary	
Table 1: Summary of Recycled Water Use by Billing Period by Each User	84
Table 2: Results from Users' Self-Monitoring Reports	86
Table 3: Summary of Violations Found During Site Inspections and Corrective Actions Taken.....	88
G. Contact Information	90

I. Introduction

This report satisfies the 2019 annual reporting requirements of the Regional Water Quality Control Board (RWQCB) Order 96-011 (the Order), General Water Reuse Requirements for Municipal Wastewater and Water Agencies. This report contains all the requirements listed in the Order's Attachment C, Self-Monitoring Program.

To improve the reliability of the Tri-Valley's water supply, particularly in dry years, Dublin San Ramon Services District (DSRSD) and East Bay Municipal Utility District (EBMUD) created the DSRSD-EBMUD Recycled Water Authority (DERWA), which governs the San Ramon Valley Recycled Water Program and built the Jeffrey G. Hansen Water Recycling Plant and a backbone recycled water distribution system. The partnership also supplies recycled water to the City of Pleasanton.

II. DSRSD/DERWA Recycled Water Treatment Processes

The DERWA recycled water system began delivering water to DSRSD and EBMUD customers on February 1, 2006 using a 3.0 million gallon per day (MGD) capacity microfiltration and ultraviolet disinfection facility (MF-UV). Capacity was expanded with the addition of a second process: continuous backwash sand filtration followed by ultraviolet disinfection (SF-UV). Five sand filters began producing recycled water on May 24, 2006. Today, the higher capacity SF-UV plant is used during summer when the demand for recycled water is highest. The MF-UV plant is used in winter when demand is lower, and it also serves as a backup to the SF-UV plant to meet summer peak demand.



DERWA's recycled water plant is named the Jeffrey G. Hansen Water Recycling Plant for a former DSRSD director who was instrumental in bringing recycled water irrigation to the Tri-Valley.

In 2016, DERWA added a sixth continuous backwash sand filter and began supplying recycled water to the City of Pleasanton, California. The city submits a separate report regarding its recycled water customers.

In May 2018, DSRSD completed construction of the Recycled Water Treatment Facilities - Phase 2, which includes a ballasted flocculation process to provide pre-treatment of the wastewater treatment plant's secondary effluent prior to tertiary treatment by continuous backwash sand filters. In addition, the project increased the capacity of the ultraviolet disinfection system, as well as, the tertiary influent and effluent pump stations. As a result of these improvements, the Regional Water Quality Control Board (RWQCB or Water Board) has approved a sand filtration tertiary treatment facility capacity of 12.3 MGD. The UV disinfection system has been approved to be

operated at up to 17.6 MGD. DSRSD has Water Board approval to conduct capacity testing of the sand filtration system with the goal to obtain approval to operate the sand filtration system at a capacity of 16.2 MGD. It is anticipated that sand filtration capacity testing will be completed during the 2020 irrigation season.

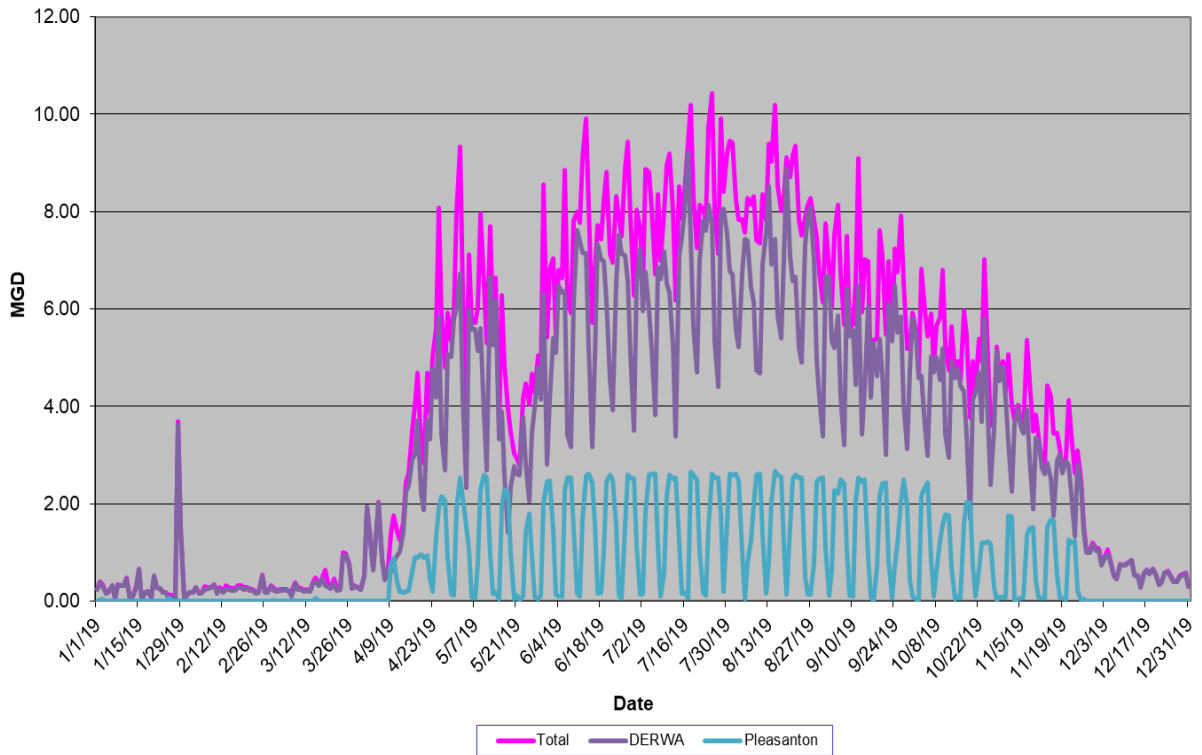
During 2019, the Tri-Valley area received approximately 16.9 inches of rainfall (13.99 in 2018). The following table shows temperature and rainfall comparisons between 2018 and 2019.

Month	2019		2018	
	Rain Total (Inches)	Avg/Temps (Fahrenheit)	Rain Total (inches)	Avg/Temps (Fahrenheit)
January	1.61	60/41	3.43	59/42
February	5.40	55/39	0.35	64/37
March	2.75	62/43	4.58	63/42
April	0.32	71/48	1.68	68/45
May	2.00	69/50	0.24	70/50
June	0.41	83/54	0.39	82/52
July	0.35	85/55	0.09	89/57
August	0.45	89/58	0.27	84/55
September	0.49	82/54	0.71	82/51
October	0.35	77/44	0.60	77/48
November	0.33	69/40	1.65	68/41
December	2.44	58/43	0.00	58/39
	16.9		13.99	

In 2019, DERWA facilities produced 4299.7 acre-feet (AF) or 1,403.17 million gallons (MG) of recycled water (4216.41 AF or 1,373.92 MG in 2018) which was either delivered to DSRSD, EBMUD, or City of Pleasanton customers (based on the production plant’s PSR1 flow meter) or used at the production facility. In addition, when required by construction activities or emergency conditions, the system was supplemented by the addition of 2.02 MG of potable water (11.35 MG in 2018).

The following graph and chart show the demand for recycled water in 2019, as well as the end-use for the recycled water.

2019 DERWA Recycled Water Demand



Recycled Water Uses (MG)	2019 (in MG)	2018 (in MG)
DSRSD and EBMUD customers	1105.7	1083.7
City of Pleasanton customers	266.819	271.15
Contractor Fill Station	0.244	1.572
Residential Fill Station(suspended)	0.0	0.0
Facility Processes	28.827	13.749
Facility Landscaping	1.550	3.76
Total	1403.17	1373.92

2019 Season Highlights

January: Mean temperature was 50.70F with a maximum recorded temperature of 70.00F. The recorded rainfall totaled 2.0 inches. Recycled water production occurred on nine days during the month and totaled 5.7 MG or .18 MGD; all produced using the MF-UV system. In addition, the SF-UV system was online for two days for an optimization test that used 3.34 MG of recycled water for that purpose.

February: Mean temperature was 47.50F with a maximum recorded temperature of 64.40F. The recorded rainfall totaled 5.2 inches. Recycled water production occurred on nine days during the month and totaled 5.47 MG or 0.20 MGD; all produced using the MF-UV system.

March: Mean temperature was 52.70F with a maximum recorded temperature of 76.20F. The recorded rainfall totaled 2.9 inches. The MF-UV system was online for ten days and produced 7.81 MG or 0.25 MGD recycled water. SF-UV system was put online for two days and produced 2.82 MG of recycled water, but this was primarily for a contractor to do programming and testing of the PSR1 pumps on those days.

April: Mean temperature was 59.60F with a maximum recorded temperature of 89.00F. Recycled water production occurred on 28 days during the month and totaled 94.29 MG or 3.15 MGD. On April 11 and 12, 1.63 MG of supplemental potable water from City of Pleasanton was used as the recycled water plant was not able to meet demand due to numerous factors arising out of the power failure emergency that occurred on April 7 (see section 5.1 Emergency Responses for details). During these two days, R100 level was very low, MF-UV was offline for scheduled maintenance, and the temporary generator limited SF-UV to 5 MGD production only, which necessitated the use of potable water. The power failure was also mainly why the MF-UV system was operated in tandem with the SF-UV system for 16 days, which is more than usual during the month of April.

May: Mean temperature was 58.70F with a maximum recorded temperature of 82.10F. The recorded rainfall totaled 2.1 inches. Recycled water production occurred daily during the month and totaled 162.40 MG or 5.24 MDG. SF-UV system was operated daily during the month, and there were five days when it was operated in tandem with the MF-UV system. The MV-UV system was turned offline on May 15, 2019 for the season (however, it was put back online in June and July for a few days – see below).

June: Mean temperature was 68.80F with a maximum recorded temperature of 101.10F. Recycled water production occurred daily during the month and totaled 218.84 MG or 7.3 MDG, mostly produced using the SF-UV system, with 2.34 MG from MF-UV system that was online for four days as a precautionary measure to keep with demand as the R100 level got low.

July: Mean temperature was 69.50F with a maximum recorded temperature of 98.90F. Recycled water production occurred daily during the month and totaled 241.21 MG or 7.78 MDG, mostly produced using the SF-UV system, with 4.98 MG from the MF-UV system that was online for six days. Contractor WEDECO performed testing and required the SF-UV to run at a certain flow that

was unable to keep up with demand, and therefore, MF-UV had to be put back online as a precautionary measure. The peak daily customer demand for the calendar year was recorded at 10.48 MGD on July 25.

August: Mean temperature was 71.40F with a maximum recorded temperature of 101.60F on August 15 as the peak for the year. Recycled water production occurred daily during the month and totaled 232.56 MG or 7.50 MDG, all produced using the SF-UV system.

September: Mean temperature was 67.30F with a maximum recorded temperature of 97.00F. Recycled water production occurred daily during the month and totaled 178.83 MG or 5.96 MGD, all produced using the SF-UV system.

October: Mean temperature was 59.50F with a maximum recorded temperature of 91.90F. Recycled water production occurred daily during the month and totaled 149.45 MG or 4.82 MGD. The SF-UV system continued to run as the recycled water demands remain high at a daily average of 5.18 MGD.

November: Mean temperature was 52.50F with a maximum recorded temperature of 83.70F. Recycled water demands decreased to a daily average of 3.2 MGD. Recycled water production continued almost daily during the month and totaled 84.21 MG or 2.81 MGD, all produced using the SF-UV system.

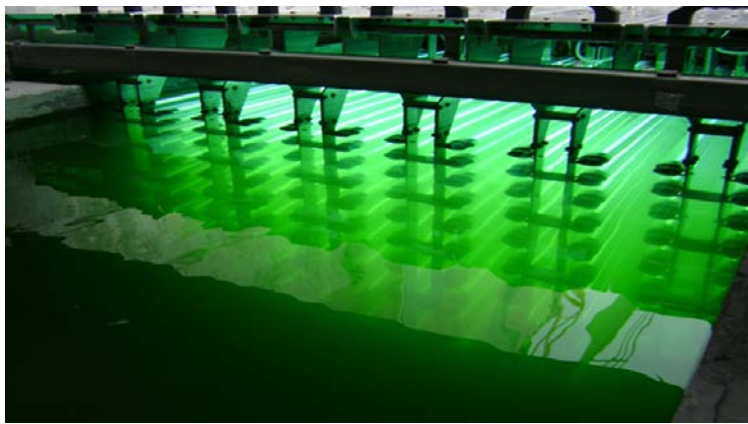
December: Mean temperature was 50.40F with a maximum recorded temperature of 68.40F. The recorded rainfall totaled 2.5 inches. Recycled water demands continued to decrease to a daily average of 0.62 MGD. Recycled water production occurred for 14 days and totaled 15.94 MG or 0.51 MGD. Of the total 15.94 MG produced, 10.14 MG was from the MF-UV system that ran for 14 days, 2.48 MG was from the SF-UV that ran for a day when the MF-UV was having issues, and 3.3 MG was attributed to testing done on the SF-UV. For the record, the SF-UV system was turned offline for the season on December 5.

III. Recycled Water Monitoring

The Order requires DSRSD to perform recycled water monitoring on a monthly basis during periods where recycled water is being used. The sample locations vary, depending on which recycled water treatment facility is in operation. Samples are collected at the SF-UV, MF-UV, or Pump Station R1 (PSR1). Collected samples are analyzed for total coliform, turbidity, dissolved oxygen, dissolved sulfides (if dissolved oxygen < 1 mg/l). During the irrigation year, the minimum dissolved oxygen level in the recycled water produced was 1.53 mg/l, while the high was 9.13 mg/l. The recycled water conductivity ranged from 1236 to 1741 us/cm. Refer to Attachment B for full results. During the irrigation year, 4299.7 AF (1,403.17 MG) of recycled water was produced and either delivered to DSRSD, EBMUD or City of Pleasanton customers (based on the production plant's PSR1 Flow meter) or was used at the production facility. The MF-UV plant operated on a total of 74 days (120 in 2018). The SF-UV plant operated on 233 days (211 in 2018). There were 21 days when both

the MFUV and SFUV plants were in operation (14 in 2018). There were 307 days during 2019 when recycled water was being produced (318 in 2018).

The recycled water facilities are programmed to automatically bypass or cease production when the system detects a low UV dosage ($< 80 \text{ mJ/cm}^2$ MF-UV; $< 100 \text{ mJ/cm}^2$ SF-UV). The sand filtration ultraviolet disinfection system underwent an upgrade in 2018. The permitted UV dose remains at 100 mJ/cm^2 . However, the system now has an operator adjustable target UV dose. The operator's adjustable UV dose was installed with a minimum set point of 105 mJ/cm^2 . SCADA¹ does not allow the operator to input a target dosage of less than 105 mJ/cm^2 (100 mJ/cm^2 is the permit dose). SCADA is also programmed to place the SFUV facility in bypass if the actual system dose drops to 105 mJ/cm^2 . This change gives the system some additional safety factors with the UV disinfection.



Banks of ultraviolet lights disinfect the recycled water produced at DERWA facilities.

A review of the recycled water effluent data reveals that out of the 307 operational days, there was one period when the microfiltration plant was started for maintenance and the effluent valve was inadvertently open. The turbidity of the recycled water at the time was 0.21 ntu and the duration of the event was less than five minutes. On June 10, 2019, both the microfiltration (production rate 0.84 MGD) and sand filtration (production rate 6.9 MGD) plants were online. The grab coliform sample from the microfiltration plant was 1600 MPN ($< 2 \text{ MPN}$ for Sand Filtration), which staff believes occurred because the ultraviolet channel had been acid cleaned and the channel was not adequately flushed before the system was placed in service. The coliform results for June 11, 2019 was 4 MPN . This event was communicated to the Water Board via email on June 13, 2019.

In 2019, ultraviolet disinfection dosing was in compliance on all 74 days of microfiltration facility operation and all 233 days of sand filtration facility operation.

¹ Supervisory Control and Data Acquisition (SCADA) is a system of software and hardware elements to control processes locally or in remote location.

The DSRSD laboratory collects a coliform sample on recycled water effluent on each day the recycled water facilities are operated. The table below shows a summary of the recycled water coliform analysis for 2019.

Summary of Recycled Water Coliform Results for the 2019 Irrigation Year:

Coliform Value (MPN)	<2	2	4	8	13	22	50	80	1600	Total Operational Days
MFUV Facility	72	0	1	0	0	0	0	0	1	74
SFUV Facility	231	1	1	0	0	0	0	0	0	233
Total Samples	303	1	2	0	0	0	0	0	1	307
% of samples in MPN Range	98.7%	0.3%	0.65%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	

There were 21 days during the year where both the SFUV and MFUV facilities were online at the same time and the daily coliform sample was collected at the recycled water effluent pump station which contained the combined effluent from both facilities, rather than collecting individual coliform samples at the end of the ultraviolet disinfection channel for both the SFUV and MFUV systems.

IV. Progress and Results of the Recycled Water Program Expansion

DSRSD currently has a moratorium on adding new connections to the recycled water system. Projects approved prior to the moratorium are allowed to connect to the recycled water system within the City of Dublin and Dougherty Valley area of San Ramon. Developers are installing recycled water mains within their developments and connecting irrigation services for streetscapes, parks, schools, commercial areas, and multi-family residential areas.



Special Studies and Projects

Expansion of Recycled Water Treatment Facility and Pump Station

The DSRSD-EBMUD Recycled Water Authority (DERWA), a partnership between EBMUD and DSRSD, has expanded the sand filtration and ultraviolet (UV) disinfection facilities to meet increasing recycled water demand. Phase 1 came online in May 2016, which increased sand filtration capacity from 9.7 to 11.2 MGD.

Phase 2 was completed in May 2018 and currently has regulatory approval to operate at 12.3 MGD. Phase 2 included expansion of the facility's peak production capacity to 16.2 MGD by adding high-rate ballasted flocculation basins upstream of the existing tertiary filters. This expansion would improve the quality of the filter feed, allowing the sand filters to operate at a higher loading rate. In addition, the project added influent pumps, UV modules, and recycled water distribution (effluent) pumps. DSRSD is conducting optimization of the process and will be submitting the data in late 2020.

Study of Potential for Potable Reuse in the Tri-Valley

Tri-Valley water agencies and cities (DSRSD, Zone 7 Water Agency, Pleasanton, Livermore, and Cal Water Livermore) formed the Tri-Valley Water Liaison Committee. Board and council members and executive managers from each agency met several times a year to strategize policy directions that will improve regional water supply reliability within Tri-Valley. One of the alternatives includes potable reuse.

Zone 7 Water Agency (tri-valley water wholesaler) recently selected a consultant to perform a 2020 Tri-Valley Municipal and Industrial Water Demand Study, and work is planned to start in early December. This study will help support continued evaluation of water supply options such as potable reuse. Other studies, such as the Water Supply Evaluation Update and Conjunctive Use Study, will also be initiated within the next few months. A task order under the Tri-Valley Intergovernmental Reciprocal Services Agreement is being developed to allow for cost-sharing among the participating water agencies for future efforts.

Recycled Water Supply

Recycled water demands have exceeded available supply during peak demand periods. Recycled water production was supplemented with potable water at the water recycling plant and Regional Water Board approved points within the distribution system. In 2019, 2.02 MG of potable water was utilized to supplement recycled water.

DSRSD has also secured a temporary supplemental untreated wastewater supply of approximately 1 million gallons per day. The agreement allows for wastewater diversions for a maximum of five years. A construction contract has been issued, construction is scheduled to begin in April, and will be completed prior to the peak irrigation season.

V. Residential Recycled Water Fill Stations

DSRSD closed the residential fill station on December 28, 2016, and it has remained closed through 2019. The closure is due to a significant construction project occurring at the wastewater treatment facility.

VI. Commercial Recycled Water Fill Stations & Recycled Water Hydrants

DSRSD's commercial recycled water fill station is located at the wastewater treatment facility and has been operational since 2007. Installation of recycled water fire hydrants in Dublin and Dougherty Valley began in 2008. The 2014-2015 severe drought and mandatory water restrictions caused a significant increase in commercial demand for recycled water. Fill station and temporary hydrant users (aka temporary construction meter users) are required to obtain a recycled water-use permit from DSRSD. There are eight permitted commercial fill station users and 16 temporary construction hydrant users. The commercial fill station program distributed 0.244 MG, and commercial construction meters distributed 5.57 MG of recycled water in 2019.



In 2014, the fill station was upgraded to a flow rate of 1,000 gallons per minute. Typical loads are between 2,000 to 4,000 gallons. Commercial users are given a personal identification number so they can access the fill station 24 hours a day, seven days a week.

DSRSD has 21 recycled water hydrants located throughout central and eastern Dublin and Dougherty Valley. Customers are directed to use recycled water instead of potable water for acceptable uses listed in Title 22, such as dust control, soil compaction, street sweeping, surface washing, and landscape irrigation.

VII. User Compliance Program Review and Results

Compliance Program Background

Ordinance 301 and DSRSD's Recycled Water Use Guidelines outline the requirements and recommendations for customers to follow in order to achieve compliance with Title 22 and Order 96-011. After expanding recycled water distribution into established areas of Central and Eastern Dublin, DSRSD revised its Recycled Water Use Guidelines in February 2015 to address retrofit sites. To view the current Recycled Water Use Guidelines, go to

<http://www.dsrds.com/do-business-with-us/recycled-water-use/guidelines-and-requirements>.



At this time, the following uses are permitted for recycled water application:

- Landscape irrigation
- Dust control and construction grading
- Industrial Uses
- Pressure washing for surface cleaning
- Street sweeping
- Toilet and urinal flushing

Recycled Water Supervisor Training

DSRSD conducted a site supervisor training on May 30, 2019 with 24 people in attendance. The training covers recycled water use regulations, cross-connection control, recycled water quality control and recycled water production.

All new recycled water customers receive personalized training to ensure they are aware of all regulations and requirements.

Recycled Water Customers Compliance Summary

DSRSD currently has 333 permanent recycled water irrigation sites. Additionally, it has 24 industrial users using recycled water for soil compaction, dust control, landscape irrigation, or surface washing. In calendar year (CY) 2019, DSRSD's recycled water users consumed over 894.65 million gallons (2745.58 AF) of recycled water. Refer to Table 1 in Attachment E to view a tabular summary of recycled water use by billing period by each user, and Table 2 in Attachment E to view a summary of recycled water usage by application use type.

All recycled water customers are required to obtain a license/permit from DSRSD to use recycled water. In 2019, eleven new sites were authorized to use recycled water for landscape irrigation. To view a list of the new authorized recycled water users, refer to Table 3 in Attachment E.

Irrigation users are required to inspect their systems and correct any deficiencies. Therefore, recycled water customers are required to submit semi-annual self-monitoring reports. The data collected in these reports exceeds the Order's annual self-monitoring requirements. To view the data, refer to Table 4 in Attachment E.

DSRSD staff performs periodic inspections of recycled water use sites to ensure compliance with the Division of Drinking Water reuse criteria and the Order. Table 5 in Attachment E provides a summary of violations found during site inspections, corrective actions taken, and any change to or revocation of a user's Recycled Water Use License. During this reporting period, no Recycled Water Use Licenses or use authorizations were revoked.

VIII. Attachments

The following data summarizes the 2019 recycled water irrigation season:

- Description of Recycled Water Treatment Facilities (Attachment A)
- Dissolved Oxygen, Coliform, and Conductivity analysis (Attachment B)
- Flow and Turbidity Data – MFUV Plant (Attachment C)
- Flow and Turbidity Data – SFUV Plant (Attachment D)
- Irrigation Site and Compliance Records for DSRSD (Attachment E)
- Irrigation Site and Compliance Records for EBMUD (Attachment F)

Attachment A

Description of Recycled Water Facilities

Ballasted Flocculation

In advance of tertiary treatment by continuous backwash sand filters, secondary effluent from the DSRSD wastewater treatment plant receives pre-treatment via a ballasted flocculation and clarification system. Constructed in 2018, this system removes turbidity and suspended solids from the secondary effluent, making it easier to filter via sand filtration. This process has two treatment trains, each with a treatment capacity of 11.1 MGD for a total secondary effluent pre-treatment capacity of 22.2 MGD.



Ballasted flocculation pre-treatment process is a compact clarification system that utilizes micro sand as a ballast for floc sedimentation. The primary role of the micro sand in the ballasted flocculation process is to provide a ballast in the formation of large, stable, high-density floc. The ballasted floc has considerably higher settling velocities than conventional floc, allowing significantly higher clarifier overflow or rise rates. Overall, these factors provide a process that is extremely efficient in the treatment of water. It is stable with changes in secondary effluent water quality and relatively easy to operate and optimize.

SF-UV Facility

Sand filtration-ultraviolet disinfection (SF-UV) treatment processes reduce turbidity, remove suspended solids, and inactivate pathogens. The SF-UV tertiary treatment plant has a reliable, sustainable capacity of 12.3 million gallons per day (MGD). Fully treated and chlorinated secondary effluent from the wastewater treatment plant flows to a diurnal storage basin. A portion of that secondary effluent is pumped to the SF-UV facilities to produce recycled water. The remaining secondary effluent is pumped to the Livermore Amador Valley Water Management (LAVWMA) facility and then to East Bay Dischargers Authority (EBDA) system for discharge into San Francisco Bay through a deep water outfall.



Access plates hide six sand filters where flocculated water flows upward through 80 inches of continuously backwashed sand.

SF-UV treatment processes are as follows:

- Screening – Small material and plastics remaining in the fully treated secondary effluent are removed by a 2mm band screen.
- Coagulation – Coagulant chemical(s) are added to the tertiary influent and mixed into the flow using high-energy mechanical mixers; this causes fine particulates in the water to coagulate and begin to form into small particles.
- Flocculation – Coagulated water is gently mixed in two flocculation tanks using low-energy mechanical mixers to promote agglomeration of small particles into larger particles that can be easily filtered from the water.
- Filtration – To remove the particles, flocculated water flows gently up and through an 80-inch sand bed in one of six, up-flow, continuously backwashed, granular sand filters.
- UV Disinfection – Filtered water flows through two parallel UV channels for disinfection and inactivation of viruses and bacteria. The SF-UV system is a Xylem-Wedeco system, model TAK55 M 10-6(8)/143 x 5i2(3)W. Each channel has five banks of UV bulbs. Each bank has 140 bulbs.

MF-UV Facility

Microfiltration-ultraviolet disinfection (MF-UV) treatment processes reduce turbidity, remove suspended solids, and inactivate pathogens. This MF-UV tertiary treatment plant is designed for a treatment capacity of 2.5 million gallons per day (MGD). MF-UV treatment processes filter all particles larger than 0.2 microns from the secondary effluent. A portion of unchlorinated secondary effluent is conveyed from just upstream of the wastewater plant's chlorine contact tank by MF transfer pumps to the microfiltration influent pump wet well. The remaining final secondary effluent is pumped to the Livermore Amador Valley Water Management (LAVWMA) and East Bay Dischargers Authority (EBDA) systems for discharge into San Francisco Bay through a deep water outfall.



Five microfiltration units remove all particles greater than 0.2 microns.

MF-UV treatment processes are as follows:

- Screening – A 500-micron screen removes small materials and plastics from the final secondary effluent.
- Filtration – The micro filters remove all particles greater than 0.2 microns. The system consists of five filtration units with an instantaneous capacity of 0.75 MGD and a net capacity of 0.50 MGD. Each membrane cartridge contains 18,000 hollow fibers membranes called lumens (0.5 mm diameter with a nominal pore size of 0.2 micrometers). Water passes from outside the membranes through the pores and into the lumens and exits as filtrate. The system feed pressure is typically between 25 and 35 psi.
- UV Disinfection – Filtered water flows through a UV channel for disinfection and inactivation of viruses and bacteria. The MF-UV system consists of ten Ondeo Degrement 40VLS UV modules. Each module has five rows of eight lamps, for a total of 40 lamps per module.

The MF-UV plant is operated when the demand for recycled water is less than 2.2 MGD. If the demand is greater than 2.2 MGD, the high capacity SF-UV plant is turned on. After treatment at either facility, the filtered and disinfected water is conveyed off site to customers through the DERWA recycled water distribution system.

Attachment B
Monthly Dissolved Oxygen, Coliform, and Conductivity Summary

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total Coliform	Conductivity
Jan.19		MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1	6.05	<2	1553						
2	2.89	<2	1471						
3									
4									
5									
6									
7									
8	1.53	< 2	1387						
9									
10	3.49	<2	1559						
11									
12									
13									
14	3.56	<2	1677						
15	2.48	<2	1725						
16									
17									
18									
19									
20	2.85	<2	1694						
21	2.79	<2	1677						
22									
23									
24									
25									
26									
27									
28	7.63	<2	1646						
29				7.97	<2	1652			
30									
31									

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Feb.19	MF/UV			SF/UV			PS1		
	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total Coliform MPN	Conductivity us/cm
1									
2									
3									
4	3.31	<2	1356						
5	4.66	<2	1248						
6									
7									
8									
9									
10	2.56	<2	1320						
11									
12									
13									
14									
15									
16									
17									
18									
19	9.13	>1600*	1347						
20	5.38	<2	1408						
21									
22									
23									
24									
25	4.19	<2	1648						
26	4.06	<2	1644						
27									
28									

* Value invalidated see Lab Corrective Action Form

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total Coliform MPN	Conductivity us/cm
Mar.19									
1									
2									
3	4.08	<2	1391						
4									
5									
6									
7									
8				8.68	<2	1544			
9									
10									
11									
12									
13									
14									
15	8.94	<2	1524						
16	7.24	<2	1539						
17									
18				7.95	<2	1673			
19									
20	3.54	<2	1602						
21				8.38	<2	1578			
22									
23									
24									
25	2.69	<2	1630						
26	2.31	<2	1516						
27									
28									
29									
30									
31	3.56	<2	1489						

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total Coliform MPN	Conductivity us/cm
Apr.19									
1	3.92	<2	1505						
2									
3									
4									
5	3.44	<2	1565						
6	3.46	<2	1553						
7									
8									
9	3.36	<2	1675						
10	6.88	<2	1524						
11							8.10	<2	1642
12	8.32	<2	1610						
13	5.88	<2	1531						
14	7.07	<2	1506						
15	5.29	<2	1706						
16	3.55	<2	1676						
17							8.20	<2	1628
18				8.00	<2	1775			
19				8.27	<2	1634			
20				7.96	<2	1620			
21	5.24	<2	1558						
22							6.73	<2	1709
23	3.60	<2	1637						
24							7.52	<2	1663
25				7.87	<2	1697			
26				8.16	<2	1655			
27				8.10	<2	1680			
28				7.11	<2	1689			
29				8.07	<2	1684			
30				7.58	<2	1741			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total Coliform MPN	Conductivity us/cm
May.19									
1				7.50	<2	1697			
2				7.55	<2	1664			
3				7.26	<2	1659			
4							8.09	<2	1621
5							7.99	<2	1616
6				7.27	<2	1457			
7				7.04	<2	1631			
8				7.23	<2	1460			
9				7.11	<2	1543			
10				7.08	<2	1476			
11				7.03	<2	1523			
12				7.32	<2	1533			
13	3.29	<2	1501	7.38	<2	1443			
14							7.77	<2	1498
15				7.45	<2	1459			
16				7.52	<2	1391			
17				7.52	<2	1367			
18				7.38	<2	1483			
19				8.20	<2	1414			
20				7.29	<2	1369			
21				6.96	<2	1458			
22				7.06	<2	1359			
23				7.48	<2	1373			
24				7.42	<2	1342			
25				7.42	<2	957			
26				7.71	<2	1357			
27				7.71	<2	1348			
28				7.88	<2	1362			
29				7.60	<2	1317			
30				7.34	<2	1314			
31				7.81	2	1295			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Jun.19	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity
	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1				7.0	<2	1306			
2				7.21	<2	1278			
3				6.94	<2	1276			
4				7.72	<2	1300			
5				7.27	<2	1233			
6				7.82	<2	1246			
7				7.08	<2	1263			
8				7.14	<2	1314			
9				7.38	<2	1278			
10	4.09	1600	1412	7.21	<2	1293			
11							7.17	4	1327
12							7.12	2	1325
13				7.20	<2	1303			
14				7.16	<2	1296			
15				7.19	<2	1315			
16				7.31	<2	1330			
17				7.04	<2	1310			
18				6.89	<2	1304			
19				6.97	<2	1291			
20				7.20	<2	1253			
21				7.37	<2	1286			
22				7.46	<2	1356			
23				7.29	<2	1310			
24				6.44	<2	1291			
25				7.30	<2	1334			
26				7.81	<2	1255			
27				7.22	<2	1241			
28				6.83	<2	1303			
29							7.04	<2	1319
30				7.05	<2	1314			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Jul.19	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity
	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1				6.80	<2	1311			
2				6.86	<2	1328			
3				7.14	<2	1284			
4				6.99	<2	1387			
5				6.77	<2	1372			
6				6.76	<2	1421			
7				7.05	<2	1346			
8				7.11	<2	1285			
9				6.83	<2	1319			
10				6.68	<2	1325			
11				7.19	<2	1301			
12				7.25	<2	1265			
13				7.12	<2	1306			
14				7.00	<2	1282			
15				6.12	<2	1280			
16				6.44	<2	1354			
17							7.23	<2	1373
18							7.57	<2	1308
19							6.71	<2	1315
20							7.18	<2	1317
21				7.13	<2	1330			
22				6.75	<2	1295			
23							7.41	<2	1328
24				7.04	<2	1347			
25				7.09	<2	1368			
26				7.10	<2	1300			
27				6.94	<2	1402			
28				6.54	<2	1386			
29							7.50	<2	1324
30				6.77	<2	1363			
31				7.42	<2	1340			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm	Diss. O ₂ mg/L	Total coliform MPN	Conductivity us/cm
Aug.19									
1				7.30	<2	1361			
2				7.63	<2	1319			
3				7.52	<2	1373			
4				7.44	<2	1380			
5									
6				6.69	<2	1354			
7				6.66	<2	1313			
8				6.75	<2	1319			
9				6.50	<2	1386			
10				6.79	<2	1353			
11				7.03	<2	1381			
12				7.76	<2	1293			
13				6.92	<2	1399			
14				6.96	<2	1409			
15				6.91	<2	1414			
16				7.04	<2	1450			
17				7.06	<2	1479			
18				7.26	<2	1441			
19				7.25	<2	1384			
20				7.61	<2	1455			
21				7.20	<2	1470			
22				6.88	<2	1388			
23				6.88	<2	1366			
24				6.98	<2	1379			
25				6.60	<2	1372			
26				6.53	<2	1466			
27				7.45	<2	1393			
28				7.35	<2	1381			
29				7.49	<2	1438			
30				7.53	<2	1364			
31				7.03	<2	1371			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Sept.19	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity
	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1				7.11	<2	1327			
2				5.20	<2	1388			
3				6.86	<2	1278			
4				7.08	<2	1268			
5				6.78	<2	1320			
6				7.62	<2	1333			
7				7.30	<2	1263			
8				7.12	<2	1345			
9				7.64	<2	1261			
10				7.67	<2	1363			
11				7.72	<2	1270			
12				7.61	<2	1312			
13				8.03	<2	1263			
14				7.58	<2	1384			
15				7.48	<2	1384			
16				8.03	<2	1271			
17				7.43	<2	1332			
18					<2	1265			
19				7.50	<2	1255			
20				7.35	<2	1327			
21				7.07	<2	1359			
22				7.07	<2	1355			
23				7.45	<2	1321			
24				7.63	<2	1370			
25				7.60	<2	1445			
26				7.04	<2	1517			
27				6.89	<2	1460			
28				7.18	<2	1380			
29				7.40	<2	1339			
30				7.22	<2	1303			

Note:

On 9/18/19, the dissolved oxygen probe was under maintenance. Dissolved oxygen was not performed.

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Oct.19	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity
	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1				7.74	<2	1325			
2				7.24	<2	1435			
3				7.39	<2	1472			
4				7.15	<2	1508			
5				7.79	<2	1592			
6				7.12	<2	1455			
7				7.11	<2	1418			
8				7.03	<2	1461			
9				7.35	<2	1450			
10				7.39	<2	1507			
11				7.26	<2	1492			
12				7.40	<2	1499			
13				7.38	<2	1430			
14				7.47	<2	1430			
15				7.50	<2	1521			
16				7.41	<2	1397			
17				7.66	<2	1397			
18				8.06	<2	1370			
19				7.65	<2	1447			
20				7.57	<2	1419			
21				7.91	<2	1366			
22				7.55	<2	1433			
23				7.02	<2	1426			
24				7.36	<2	1404			
25				7.30	<2	1414			
26				7.26	<2	1494			
27				6.50	<2	1423			
28				7.25	<2	1382			
29				7.31	<2	1394			
30				7.39	<2	1454			
31				7.45	<2	1406			

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date Nov.19	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total Coliform	Conductivity
	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1				7.35	<2	1461			
2				7.14	<2	1514			
3				7.54	<2	1389			
4				7.16	<2	1352			
5				6.98	<2	1447			
6				6.95	<2	1491			
7				7.28	<2	1485			
8				7.26	<2	1530			
9				7.34	<2	1606			
10				7.22	<2	1568			
11				6.83	<2	1552			
12				7.31	<2	1586			
13				7.11	<2	1528			
14				7.62	<2	1576			
15				7.45	<2	1578			
16				7.34	<2	1575			
17				7.44	<2	1522			
18				7.55	<2	1496			
19				7.08	<2	1568			
20				7.16	<2	1536			
21				7.16	<2	1578			
22				7.21	<2	1574			
23				7.36	<2	1579			
24				7.14	<2	1552			
25				7.49	<2	1511			
26				7.75	<2	1610			
27				7.28	<2	1496			
28									
29									
30									

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Laboratory Results

Sample Date	MF/UV			SF/UV			PS1		
	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total coliform	Conductivity	Diss. O ₂	Total Coliform	Conductivity
Dec. 19	mg/L	MPN	us/cm	mg/L	MPN	us/cm	mg/L	MPN	us/cm
1									
2				7.85	<2	1429			
3									
4									
5	7.60	<2	1528						
6	3.00	<2	1442						
7	2.69	<2	1323						
8	2.32	<2	1236						
9									
10									
11							7.87	<2	1402
12	2.05	<2	1336						
13									
14									
15				8.08	<2	1415			
16				7.53	<2	1348			
17									
18									
19									
20									
21									
22	5.79	<2	1326						
23	8.09	<2	1288						
24									
25									
26	5.93	<2	1421						
27	4.71	<2	1339						
28	4.39	<2	1313						
29									
30									
31	7.35	<2	1356						

Attachment C
Flow and Turbidity Data for Microfiltration-Ultraviolet Disinfection
Facility

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Attachment C

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
January 1, 2019	0.52	0.10	70.0	391
January 2, 2019	1.18	0.09	69.7	387
January 3, 2019	0.34	0.09	69.0	380
January 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 8, 2019	0.81	0.11	69.6	357
January 9, 2019	0.06	0.11	67.7	332
January 10, 2019	0.83	0.10	71.3	372
January 11, 2019	0.32	0.10	77.9	424
January 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 14, 2019	0.82	0.11	78.2	448
January 15, 2019	1.20	0.10	79.1	471
January 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 20, 2019	0.45	0.12	74.4	467
January 21, 2019	1.16	0.11	76.8	425
January 22, 2019	0.54	0.11	74.2	426
January 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
January 31, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	1.20	0.12	79.1	471
MIN	0.06	0.09	67.7	332
AVG	0.68	0.10	73.2	407
Total	8.22			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Attachment C

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
February 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 4, 2019	0.71	0.04	78.5	467
February 5, 2019	0.46	0.03	78.4	424
February 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 10, 2019	0.99	0.05	78.8	393
February 11, 2019	0.47	0.05	79.3	476
February 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 16, 2019	0.46	0.07	74.6	444
February 17, 2019	0.25	0.06	75.5	453
February 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 19, 2019	0.37	0.07	73.9	436
February 20, 2019	0.48	0.07	74.9	442
February 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 25, 2019	0.88	0.08	72.0	420
February 26, 2019	0.38	0.08	75.6	474
February 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
February 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.99	0.08	79.3	476
MIN	0.25	0.03	72.0	393
AVG	0.54	0.06	76.2	443
Total	5.43			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm ²)
March 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 3, 2019	0.96	0.04	78.0	430
March 4, 2019	0.12	0.03	77.1	429
March 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 15, 2019	0.58	0.07	73.2	452
March 16, 2019	1.05	0.06	73.1	472
March 17, 2019	0.32	0.06	73.7	452
March 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 20, 2019	1.07	0.07	77.6	426
March 21, 2019	0.41	0.06	76.9	444
March 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 25, 2019	0.44	0.08	80.9	478
March 26, 2019	0.86	0.07	73.1	442
March 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
March 31, 2019	0.64	0.08	68.7	379

Monthly Totals	MG	NTU	Percent	mW/cm ²
MAX	1.07	0.08	80.9	478
MIN	0.12	0.03	68.7	379
AVG	0.65	0.06	75.2	440
Total	6.46			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
April 1, 2019	0.45	0.08	68.2	369
April 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 5, 2019	0.73	0.08	68.0	364
April 6, 2019	0.89	0.08	68.1	382
April 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 9, 2019	0.97	0.09	68.3	343
April 10, 2019	1.29	0.08	67.8	347
April 11, 2019	1.38	0.09	68.4	367
April 12, 2019	0.76	0.09	69.2	378
April 13, 2019	0.93	0.09	69.2	375
April 14, 2019	1.21	0.09	68.8	345
April 15, 2019	1.57	0.09	68.5	339
April 16, 2019	1.53	0.09	68.6	342
April 17, 2019	1.29	0.09	68.1	345
April 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 21, 2019	1.09	0.08	73.1	373
April 22, 2019	1.62	0.07	74.3	374
April 23, 2019	1.25	0.08	90.8	462
April 24, 2019	0.69	0.08	90.5	444
April 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
April 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
-	-	-	-	-

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	1.62	0.09	90.8	462
MIN	0.45	0.07	67.8	339
AVG	1.10	0.08	71.9	372
Total	17.66			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
May 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 4, 2019	1.32	0.15	75.1	398
May 5, 2019	0.59	0.14	74.6	436
May 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 13, 2019	0.43	0.16	71.2	404
May 14, 2019	0.60	0.12	71.1	397
May 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
May 31, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	1.32	0.16	75.1	436
MIN	0.43	0.12	71.1	397
AVG	0.73	0.14	73.0	409
Total	2.94			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
June 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 10, 2019	0.58	0.06	67.4	324
June 11, 2019	0.65	0.09	70.9	356
June 12, 2019	0.88	0.10	71.0	364
June 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
June 29, 2019	0.59	0.12	69.0	342
June 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
-	-	-	-	-

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.88	0.12	71.0	364
MIN	0.58	0.06	67.4	324
AVG	0.67	0.10	69.6	346
Total	2.69			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
July 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 17, 2019	0.56	0.17	68.7	373
July 18, 2019	1.19	0.17	70.7	360
July 19, 2019	1.70	0.17	70.4	351
July 20, 2019	0.70	0.18	70.8	420
July 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 23, 2019	0.51	0.14	70.9	375
July 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 29, 2019	0.79	0.16	70.2	346
July 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
July 31, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	1.70	0.18	70.9	420
MIN	0.51	0.14	68.7	346
AVG	0.91	0.16	70.3	371
Total	5.45			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
August 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
August 31, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.00	0.00	0.0	0
MIN	0.00	0.00	0.0	0
AVG	0.00	0.00	0.0	0
Total	0.00			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
September 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
September 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
-	-	-	-	-

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.00	0.00	0.0	0
MIN	0.00	0.00	0.0	0
AVG	0.00	0.00	0.0	0
Total	0.00			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
October 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
October 31, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.00	0.00	0.0	0
MIN	0.00	0.00	0.0	0
AVG	0.00	0.00	0.0	0
Total	0.00			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT
Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
November 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 5, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 6, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 7, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 8, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 11, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 12, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 15, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 22, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 23, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 26, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 27, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 28, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
November 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
-	-	-	-	-

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	0.00	0.00	0.0	0
MIN	0.00	0.00	0.0	0
AVG	0.00	0.00	0.0	0
Total	0.00			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

DUBLIN SAN RAMON SERVICES DISTRICT

Recycled Water System

Operating Data - Daily Averages

Date	Recycled Water Produced (MG)	Filtrate Turbidity (Average NTU)	UV Transmittance of Recycled Water Produced (Average %)	UV Dosage (Average mW/cm2)
December 1, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 2, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 3, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 4, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 5, 2019	0.29	0.14	65.7	358
December 6, 2019	1.31	0.10	68.5	331
December 7, 2019	1.77	0.10	69.2	307
December 8, 2019	0.72	0.11	69.3	347
December 9, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 10, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 11, 2019	0.46	0.15	67.1	354
December 12, 2019	0.55	0.14	67.1	362
December 13, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 14, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 15, 2019 *	0.01	0.21	65.0	289
December 16, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 17, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 18, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 19, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 20, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 21, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 22, 2019	1.34	0.16	67.0	342
December 23, 2019	0.52	0.15	68.6	373
December 24, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 25, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 26, 2019	0.59	0.15	67.8	389
December 27, 2019	1.09	0.16	68.4	364
December 28, 2019	0.35	0.18	68.4	372
December 29, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 30, 2019	OFFLINE	OFFLINE	OFFLINE	OFFLINE
December 31, 2019	0.78	0.13	69.5	414

Monthly Totals	MG	NTU	Percent	mW/cm2
MAX	1.77	0.21	69.5	414
MIN	0.01	0.10	65.0	289
AVG	0.75	0.15	67.8	354
Total	9.79			

Permit Values	Max = 0.2	Min = 65	Min = 80
---------------	-----------	----------	----------

*Plant online < 5 minutes

Attachment C

Timestamp	MFUV Valve Open	MF Filtrate Turbidity	UVT Avg	UV Dosage	MF Feed Water	RW Water Produced
12/15/19 6:40 AM	0	0.157599583	62	323.6877747	718.2420044	888.9210815
12/15/19 6:45 AM	0	0.147152066	65	340.1007385	747.1936646	902.0601807
12/15/19 6:50 AM	0	0.129824668	63	325.5477905	1064.562866	766.4580688
12/15/19 6:55 AM	0	0.141114697	65	336.0765076	2132.421631	853.9905396
12/15/19 7:00 AM	0	0.140281513	65	340.5664368	905.9057007	897.527832
12/15/19 7:05 AM	0	0.155429482	65	329.7338562	2076.331543	934.06073
12/15/19 7:10 AM	0	0.163474739	64	291.7563171	1084.065308	1042.286011
12/15/19 7:15 AM	1	0.210961178	65	289.1300049	1112.74231	1068.289307
12/15/19 7:20 AM	0	0.253369927	64	275.3523865	1122.685791	1070.257935
12/15/19 7:25 AM	0	0.147150367	65	333.3447266	734.2835693	911.2620239
12/15/19 7:30 AM	0	0.141478896	65	372.6810303	1266.619873	804.0897827

Attachment D
Flow and Turbidity Data for Sand Filtration-Ultraviolet Disinfection
Facility

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
1/1/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/2/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/3/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/4/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/5/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/6/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/7/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/8/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/9/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/10/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/11/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/12/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/13/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/14/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/15/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/16/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/17/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/18/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/19/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/20/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/21/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/22/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/23/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/24/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/25/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/26/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/27/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/28/19	3.70	1.75	1.91	0.00	63.68	60.04	151.92	OFFLINE
1/29/19	2.30	2.59	1.67	0.00	62.88	57.96	120.28	OFFLINE
1/30/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
1/31/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
Monthly Totals								
MAX.	3.70	2.59	1.91	0.00	63.68	60.04	151.92	0.00
MIN.	2.30	1.75	1.67	0.00	62.88	57.96	120.28	0.00
AVG.	3.00	2.17	1.79	#DIV/0!	63.28		136.10	#DIV/0!
TOT.	6.00	4.33						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
2/1/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/2/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/3/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/4/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/5/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/6/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/7/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/8/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/9/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/10/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/11/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/12/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/13/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/14/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/15/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/16/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/17/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/18/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/19/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/20/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/21/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/22/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/23/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/24/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/25/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/26/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/27/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
2/28/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
Monthly Totals								
MAX.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AVG.	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
TOT.	0.00	0.00						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
3/1/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/2/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/3/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/4/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/5/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/6/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/7/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/8/19	4.00	1.36	1.61	0.00	63.30	63.30	130.30	OFFLINE
3/9/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/10/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/11/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/12/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/13/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/14/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/15/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/16/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/17/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/18/19	4.10	1.10	1.91	0.00	63.30	55.12	130.15	OFFLINE
3/19/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/20/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/21/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/22/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/23/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/24/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/25/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/26/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/27/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/28/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/29/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/30/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
3/31/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
Monthly Totals								
MAX.	4.10	1.36	1.91	0.00	63.30	63.30	130.30	0.00
MIN.	4.00	1.10	1.61	0.00	63.30	55.12	130.15	0.00
AVG.	4.05	1.23	1.76	#DIV/0!	63.30		130.23	#DIV/0!
TOT.	8.10	2.47						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

DATE	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
4/1/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/2/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/3/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/4/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/5/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/6/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/7/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/8/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/9/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/10/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/11/19	4.10	4.02	1.67	0.00	63.35	62.70	112.00	OFFLINE
4/12/19	4.10	4.02	1.67	0.00	63.59	59.69	115.99	OFFLINE
4/13/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/14/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/15/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/16/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/17/19	3.70	3.86	1.57	0.00	63.59	58.90	125.00	OFFLINE
4/18/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/19/19	6.70	5.52	1.74	0.00	64.23	61.20	131.45	OFFLINE
4/20/19	6.70	5.52	1.49	0.00	64.23	54.54	104.74	OFFLINE
4/21/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
4/22/19	8.40	7.71	1.49	0.00	64.86	64.70	121.00	125.00
4/23/19	8.40	7.71	1.41	0.00	64.86	56.29	129.66	119.33
4/24/19	9.60	7.16	1.55	0.00	64.86	59.28	120.00	133.00
4/25/19	10.40	7.73	1.55	0.00	64.83	59.71	130.74	116.86
4/26/19	10.40	7.73	1.43	0.00	64.83	52.97	131.37	107.32
4/27/19	9.80	6.32	1.58	0.00	64.26	56.77	219.97	105.66
4/28/19	6.10	4.32	1.79	0.00	63.85	52.90	155.00	114.44
4/29/19	8.00	6.15	1.79	0.00	62.37	58.08	164.00	112.29
4/30/19	8.00	6.15	1.88	0.00	61.87	60.40	111.78	113.00
Monthly Totals								
MAX.	10.40	7.73	1.88	0.00	64.86	64.70	219.97	133.00
MIN.	3.70	3.86	1.41	0.00	61.87	52.90	104.74	105.66
AVG.	7.46	6.00	1.62					
TOT.	104.40	83.94						
Permit Values	Permit Values			Max = 2	Max = 5	Min = 52	Min = 100	Min = 101
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
5/1/19	8.30	6.32	1.88	0.00	61.79	57.90	139.33	116.00
5/2/19	9.90	7.60	1.64	0.00	61.79	58.70	127.77	120.00
5/3/19	9.90	7.60	1.68	0.00	59.61	55.00	141.66	116.00
5/4/19	8.80	7.94	1.84	0.00	62.85	55.90	104.81	103.44
5/5/19	7.60	7.94	1.84	0.00	62.85	53.02	OFFLINE	120.72
5/6/19	8.10	6.42	1.84	0.00	62.83	60.50	133.76	129.16
5/7/19	8.10	6.42	1.84	0.00	62.66	60.70	117.09	138.30
5/8/19	7.50	6.49	1.81	0.00	63.77	57.08	153.07	130.75
5/9/19	8.00	6.49	1.81	0.00	63.77	58.98	107.39	113.72
5/10/19	9.00	7.54	1.75	0.00	63.68	57.08	144.76	116.78
5/11/19	9.00	7.54	1.75	0.00	60.36	52.00	133.34	109.00
5/12/19	7.60	5.98	1.76	0.00	56.85	57.50	129.07	119.80
5/13/19	8.20	5.98	1.93	0.00	62.69	52.20	127.39	OFFLINE
5/14/19	8.20	5.73	1.93	0.00	62.98	58.69	107.74	143.87
5/15/19	8.20	5.24	1.89	0.00	62.98	61.80	120.91	112.36
5/16/19	8.20	5.49	1.89	0.00	63.34	59.38	158.08	OFFLINE
5/17/19	6.10	5.49	1.70	0.00	63.34	56.82	147.87	OFFLINE
5/18/19	6.10	5.36	1.57	0.00	62.50	62.30	OFFLINE	126.60
5/19/19	5.00	3.71	1.59	0.00	59.33	53.40	OFFLINE	141.68
5/20/19	4.90	3.71	1.59	0.00	63.44	58.68	157.00	173.00
5/21/19	4.00	3.04	1.57	0.00	64.03	61.60	104.19	OFFLINE
5/22/19	4.40	3.04	1.43	0.00	64.28	62.35	OFFLINE	125.30
5/23/19	5.70	2.90	1.31	0.00	65.80	63.70	153.08	120.00
5/24/19	5.70	4.23	1.26	0.00	65.80	62.51	120.71	132.50
5/25/19	5.30	4.26	1.47	0.00	64.99	59.75	114.00	111.50
5/26/19	5.20	4.26	1.47	0.00	63.00	60.45	111.55	118.00
5/27/19	5.20	3.69	1.45	0.00	63.45	60.17	117.88	OFFLINE
5/28/19	5.00	3.56	1.35	0.00	65.07	60.40	127.07	OFFLINE
5/29/19	7.60	6.00	1.32	0.00	65.66	62.60	136.79	175.00
5/30/19	7.60	6.00	1.32	0.00	66.17	65.20	153.39	128.00
5/31/19	10.60	8.09	1.26	0.00	66.17	61.28	127.17	112.64
Monthly Totals								
MAX.	10.60	8.09	1.93	0.00	66.17	65.20	158.08	175.00
MIN.	4.00	2.90	1.26	0.00	56.85	52.00	104.19	103.44
AVG.	7.19	5.62	1.64	0.00	63.16		130.25	126.16
TOT.	223.00	174.09						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
6/1/19								
6/1/19	10.60	8.09	1.51	0.00	65.14	54.30	133.82	146.33
6/2/19	7.40	5.90	1.88	0.00	62.11	53.12	118.22	OFFLINE
6/3/19	8.90	6.77	1.88	0.00	62.65	59.10	128.99	125.33
6/4/19	8.90	6.77	1.51	0.00	63.91	58.69	118.54	127.33
6/5/19	8.30	7.07	1.27	0.00	63.91	59.94	OFFLINE	119.58
6/6/19	9.30	7.89	1.23	0.00	62.69	58.64	174.30	126.39
6/7/19	9.30	7.89	1.66	0.00	62.38	58.64	155.62	133.07
6/8/19	9.30	7.60	1.66	0.00	62.45	56.54	129.81	144.26
6/9/19	7.30	5.74	1.76	0.00	62.80	62.80	128.60	OFFLINE
6/10/19	9.70	8.42	1.76	0.00	62.80	61.60	126.78	120.00
6/11/19	9.70	8.42	1.68	0.00	61.75	59.40	129.11	113.61
6/12/19	10.30	8.76	1.48	0.00	60.83	53.52	130.51	124.80
6/13/19	11.00	9.18	1.43	0.00	57.19	53.72	125.43	112.37
6/14/19	11.10	9.52	1.47	0.00	56.56	52.78	121.44	107.46
6/15/19	11.10	9.52	1.47	0.00	56.39	54.70	126.71	108.35
6/16/19	9.60	6.88	1.45	0.00	55.71	53.28	127.72	132.00
6/17/19	9.60	6.88	1.56	0.00	55.31	53.20	136.95	119.00
6/18/19	9.70	7.59	1.56	0.00	55.99	55.20	179.93	132.03
6/19/19	9.70	7.59	1.64	0.00	55.99	53.80	175.53	123.98
6/20/19	10.80	8.29	1.65	0.00	55.05	52.28	172.64	116.52
6/21/19	10.80	8.69	1.79	0.00	62.82	52.43	169.99	132.14
6/22/19	10.80	8.69	1.89	0.00	63.90	62.70	123.72	138.08
6/23/19	8.90	6.57	1.89	0.00	64.50	56.42	134.05	144.25
6/24/19	9.80	7.59	1.87	0.00	65.65	61.20	169.92	134.62
6/25/19	9.80	7.63	1.79	0.00	65.65	59.68	156.45	122.06
6/26/19	9.30	7.63	1.63	0.00	63.32	59.74	149.29	101.78
6/27/19	10.50	7.40	1.63	0.00	63.50	60.90	155.64	125.53
6/28/19	10.60	8.40	1.48	0.00	63.90	60.79	123.60	122.06
6/29/19	10.60	8.40	1.72	0.00	63.90	57.74	148.40	119.73
6/30/19	9.60	6.97	1.72	0.00	63.59	59.00	142.55	110.02
Monthly Totals								
MAX.	11.10	9.52	1.89	0.00	65.65	62.80	179.93	146.33
MIN.	7.30	5.74	1.23	0.00	55.05	52.28	118.22	101.78
AVG.	9.74	7.76	1.63	#DIV/0!	61.41		141.87	124.38
TOT.	292.30	232.74						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
7/1/19	9.60	6.85	1.77	0.00	63.59	61.50	146.37	126.60
7/2/19	10.40	7.82	1.81	0.00	63.87	58.19	137.89	121.74
7/3/19	10.40	7.82	1.81	0.00	64.74	59.68	133.66	118.85
7/4/19	10.20	8.23	1.66	0.00	64.74	59.64	140.81	121.94
7/5/19	10.20	8.23	1.65	0.00	65.07	63.60	138.36	128.50
7/6/19	9.40	8.01	1.91	0.00	65.07	56.08	133.21	121.50
7/7/19	8.50	6.17	1.91	0.00	63.94	52.17	134.25	120.00
7/8/19	9.30	7.30	1.83	0.00	63.50	52.92	133.06	132.50
7/9/19	9.30	7.30	1.78	0.00	61.48	52.16	120.33	128.18
7/10/19	9.20	7.64	1.76	0.00	61.48	53.52	132.15	131.93
7/11/19	10.10	7.94	1.81	0.00	60.58	52.42	139.04	126.18
7/12/19	10.10	7.94	1.81	0.00	60.22	57.40	131.92	124.41
7/13/19	10.00	7.61	1.70	0.00	60.22	56.10	129.93	126.22
7/14/19	9.50	7.61	1.77	0.00	57.77	53.50	130.63	112.67
7/15/19	10.00	7.53	1.77	0.00	55.90	55.50	152.34	124.56
7/16/19	10.00	7.53	1.77	0.00	62.20	55.30	130.06	122.47
7/17/19	9.10	8.41	1.82	0.00	62.75	53.69	124.62	113.11
7/18/19	10.10	9.06	1.82	0.00	64.33	59.79	134.79	120.76
7/19/19	10.10	9.47	1.83	0.00	64.33	59.71	136.01	129.26
7/20/19	9.40	9.47	1.83	0.00	63.91	56.33	137.45	124.28
7/21/19	8.40	6.75	1.80	0.00	63.91	57.68	123.27	OFFLINE
7/22/19	9.60	7.38	1.80	0.00	64.18	58.23	127.17	109.12
7/23/19	9.60	8.02	1.73	0.00	64.50	57.69	127.08	111.62
7/24/19	9.30	8.02	1.65	0.00	64.50	61.49	127.11	112.37
7/25/19	10.90	8.58	1.58	0.00	64.24	60.23	121.92	117.01
7/26/19	11.10	8.58	1.61	0.00	63.61	59.81	124.60	119.06
7/27/19	11.10	8.21	1.61	0.00	62.41	53.83	126.33	116.87
7/28/19	10.60	7.36	1.52	0.00	62.33	54.47	125.02	122.58
7/29/19	11.30	10.42	1.48	0.00	62.02	52.83	127.26	117.04
7/30/19	11.30	10.42	1.48	0.00	61.40	56.69	126.28	118.69
7/31/19	10.90	8.80	1.52	0.00	61.79	54.02	130.68	127.72
Monthly Totals								
MAX.	11.30	10.42	1.91	0.00	65.07	63.60	152.34	132.50
MIN.	8.40	6.17	1.48	0.00	55.90	52.16	120.33	109.12
AVG.	9.97	8.08	1.73	0.00	62.73		131.73	121.59
TOT.	309.00	250.48						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
8/1/19								
8/1/19	11.10	8.80	1.52	0.00	62.35	59.00	127.76	122.13
8/2/19	11.10	9.52	1.48	0.00	62.35	56.29	131.36	122.77
8/3/19	11.10	9.52	1.57	0.00	62.08	56.84	129.84	131.00
8/4/19	9.50	7.94	1.65	0.00	61.42	58.33	133.34	126.00
8/5/19	9.50	7.94	1.65	0.00	60.88	57.44	137.00	121.92
8/6/19	8.70	6.74	1.60	0.00	60.78	52.94	135.87	159.00
8/7/19	10.40	7.81	1.59	0.00	60.78	57.40	128.70	105.72
8/8/19	10.40	7.81	1.59	0.00	62.62	59.30	126.33	117.69
8/9/19	9.30	7.80	1.49	0.00	62.74	52.81	149.27	132.08
8/10/19	9.30	7.80	1.69	0.00	62.74	56.53	123.60	122.00
8/11/19	8.50	7.50	1.73	0.00	61.61	54.29	113.64	128.03
8/12/19	8.50	7.50	1.74	0.00	60.83	59.70	132.33	123.20
8/13/19	9.30	7.22	1.74	0.00	69.92	57.62	120.17	123.67
8/14/19	9.60	8.14	1.64	0.00	69.92	55.16	127.05	129.85
8/15/19	10.90	8.83	1.63	0.00	59.49	53.02	128.14	113.47
8/16/19	11.50	8.83	1.67	0.00	60.35	56.50	128.54	118.33
8/17/19	11.50	8.82	1.67	0.00	61.39	55.50	143.05	118.26
8/18/19	10.50	7.60	1.57	0.00	61.39	56.02	130.50	127.49
8/19/19	9.40	7.10	1.48	0.00	61.09	57.43	123.96	127.61
8/20/19	10.10	7.83	1.43	0.00	60.26	54.62	112.48	122.59
8/21/19	10.10	8.13	1.43	0.00	61.30	58.10	131.20	124.24
8/22/19	10.20	8.59	1.53	0.00	63.27	57.87	128.22	125.79
8/23/19	10.60	8.49	1.57	0.00	64.65	57.43	127.11	131.76
8/24/19	10.60	8.49	1.57	0.00	64.65	59.49	121.60	116.01
8/25/19	8.40	6.93	1.77	0.00	63.93	59.48	123.23	103.83
8/26/19	10.00	7.64	1.77	0.00	63.02	59.75	124.57	125.70
8/27/19	10.00	7.69	1.64	0.00	64.05	61.06	126.01	120.00
8/28/19	9.30	7.69	1.69	0.00	64.67	60.65	123.36	112.00
8/29/19	10.70	7.00	1.69	0.00	64.67	54.44	128.64	117.31
8/30/19	10.70	7.00	1.63	0.00	63.72	61.75	134.24	115.08
8/31/19	8.90	5.82	1.64	0.00	63.72	59.36	124.53	116.66
Monthly Totals								
MAX.	11.50	9.52	1.77	0.00	69.92	61.75	149.27	159.00
MIN.	8.40	5.82	1.43	0.00	59.49	52.81	112.48	103.83
AVG.	9.99	7.89	1.61	0.00	62.79		128.25	122.62
TOT.	309.70	244.47						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								
*10/26/08	Bypassed low	UVI						

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
9/1/19	8.90	5.82	1.68	0.00	63.70	62.10	119.50	116.69
9/2/19	9.00	6.91	1.68	0.00	64.41	62.14	125.75	126.83
9/3/19	10.10	6.91	1.50	0.00	64.41	61.54	125.92	119.58
9/4/19	10.10	6.63	1.35	0.00	64.28	61.64	129.09	120.64
9/5/19	10.30	7.42	1.21	0.00	64.68	62.69	128.19	117.66
9/6/19	10.30	7.42	1.10	0.00	64.68	62.80	122.28	118.00
9/7/19	10.30	7.00	1.34	0.00	64.07	59.79	122.00	122.28
9/8/19	8.00	6.55	1.36	0.00	63.30	61.04	134.00	115.99
9/9/19	9.40	6.55	1.36	0.00	64.67	62.14	130.89	106.98
9/10/19	9.40	5.44	1.21	0.00	65.28	63.04	123.50	133.29
9/11/19	7.90	5.69	1.06	0.00	65.28	60.88	114.65	120.76
9/12/19	18.40	7.84	1.32	0.00	65.28	59.99	127.27	117.00
9/13/19	18.40	7.84	1.32	0.00	62.94	60.73	129.79	119.38
9/14/19	9.90	6.67	1.08	0.00	62.94	61.05	129.48	123.00
9/15/19	8.10	6.74	1.13	0.00	62.57	59.08	130.65	OFFLINE
9/16/19	8.10	6.74	1.21	0.00	63.00	61.58	124.63	128.33
9/17/19	7.60	4.41	1.21	0.00	64.61	60.45	120.90	OFFLINE
9/18/19	7.90	6.25	1.14	0.00	64.65	59.44	120.40	137.50
9/19/19	7.90	6.25	1.07	0.00	64.65	60.30	136.10	121.00
9/20/19	7.50	7.26	1.17	0.00	61.77	60.81	122.63	OFFLINE
9/21/19	8.00	7.26	1.17	0.00	65.30	52.98	122.96	120.90
9/22/19	8.00	6.71	1.15	0.00	67.56	56.70	114.40	OFFLINE
9/23/19	7.00	5.02	1.12	0.00	67.56	64.50	131.19	110.65
9/24/19	8.80	7.14	0.98	0.00	64.56	62.60	110.81	119.60
9/25/19	8.71	7.14	0.98	0.00	66.25	62.16	135.49	116.94
9/26/19	9.20	6.65	1.18	0.00	66.25	63.85	125.02	124.04
9/27/19	9.30	8.09	1.18	0.00	61.22	58.07	118.50	120.14
9/28/19	9.30	8.09	1.13	0.00	59.77	55.01	124.60	125.00
9/29/19	6.40	5.05	1.19	0.00	59.77	60.10	122.11	OFFLINE
9/30/19	5.90	5.23	1.24	0.00	58.99	55.01	120.00	118.90
Monthly Totals								
MAX.	18.40	8.09	1.68	0.00	67.56	64.50	136.10	137.50
MIN.	5.90	4.41	0.98	0.00	58.99	52.98	110.81	106.98
AVG.	9.27	6.62	1.23	#DIV/0!	63.95		124.76	120.84
TOT.	278.11	198.71						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
10/1/19	6.70	5.23	1.24	0.00	60.66	59.90	120.03	OFFLINE
10/2/19	6.70	5.00	1.14	0.00	61.10	53.24	132.34	OFFLINE
10/3/19	6.50	5.67	1.15	0.00	61.75	55.74	126.44	OFFLINE
10/4/19	7.70	6.91	1.23	0.00	61.75	55.66	135.00	106.36
10/5/19	7.70	6.91	1.52	0.00	61.37	52.13	125.87	122.66
10/6/19	5.60	5.02	1.54	0.00	59.31	53.68	130.39	OFFLINE
10/7/19	7.00	6.11	1.54	0.00	60.54	56.23	125.66	OFFLINE
10/8/19	7.00	6.11	1.43	0.00	61.96	55.10	112.33	OFFLINE
10/9/19	7.20	5.99	1.16	0.00	61.96	62.60	123.00	113.69
10/10/19	7.20	5.99	1.16	0.00	61.57	53.31	123.88	OFFLINE
10/11/19	7.60	6.69	1.18	0.00	60.76	53.53	128.98	129.50
10/12/19	7.60	6.69	1.25	0.00	60.76	56.00	104.74	OFFLINE
10/13/19	6.40	4.95	1.48	0.00	59.84	59.28	142.00	126.75
10/14/19	7.00	6.08	1.54	0.00	58.47	53.56	OFFLINE	104.99
10/15/19	7.00	6.08	1.54	0.00	63.82	61.53	109.13	120.50
10/16/19	4.80	3.60	1.47	0.00	63.82	60.46	130.80	OFFLINE
10/17/19	7.10	5.12	1.47	0.00	63.64	60.34	125.01	OFFLINE
10/18/19	7.10	5.72	1.60	0.00	63.62	60.23	129.94	127.50
10/19/19	6.31	5.72	1.75	0.00	63.09	58.68	126.22	OFFLINE
10/20/19	6.30	4.68	1.82	0.00	61.93	57.06	OFFLINE	118.88
10/21/19	5.20	4.51	1.82	0.00	62.51	56.46	119.50	OFFLINE
10/22/19	5.20	4.51	1.63	0.00	63.22	57.86	115.07	OFFLINE
10/23/19	6.80	4.84	1.48	0.00	63.22	58.88	121.34	OFFLINE
10/24/19	6.80	6.66	1.47	0.00	62.93	57.57	121.45	137.00
10/25/19	6.90	6.66	1.52	0.00	62.93	55.58	120.13	OFFLINE
10/26/19	6.90	6.00	1.55	0.00	62.45	57.14	120.20	170.00
10/27/19	5.50	4.23	1.64	0.00	62.93	57.95	124.00	126.65
10/28/19	5.50	4.23	1.64	0.00	63.21	56.50	127.28	OFFLINE
10/29/19	7.40	5.34	1.55	0.00	64.76	55.33	119.00	120.81
10/30/19	7.40	5.34	1.52	0.00	64.76	61.99	OFFLINE	129.93
10/31/19	6.80	5.80	1.66	0.00	63.90	58.75	108.79	130.00
Monthly Totals								
MAX.	7.70	6.91	1.82	0.00	64.76	62.60	142.00	170.00
MIN.	4.80	3.60	1.14	0.00	58.47	52.13	104.74	28.41
AVG.	6.67	5.56	1.47	#DIV/0!	62.21			
TOT.	206.91	172.36						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
11/1/19	6.80	5.80	1.79	0.00	61.20	54.40	124.49	OFFLINE
11/2/19	4.90	4.25	1.89	0.00	58.23	57.10	113.00	131.33
11/3/19	5.00	3.89	1.91	0.00	58.98	55.40	123.75	120.00
11/4/19	4.70	3.34	1.80	0.00	60.25	53.50	OFFLINE	129.06
11/5/19	4.10	3.47	1.71	0.00	60.72	59.60	OFFLINE	125.22
11/6/19	3.30	2.75	1.69	0.00	62.05	60.20	OFFLINE	144.97
11/7/19	4.90	4.24	1.69	0.00	59.53	57.60	126.05	133.88
11/8/19	5.40	4.71	1.71	0.00	58.57	53.08	120.20	OFFLINE
11/9/19	4.70	3.76	1.75	0.00	58.41	52.59	121.40	OFFLINE
11/10/19	4.70	2.97	1.91	0.00	57.52	54.30	124.50	121.50
11/11/19	3.90	2.94	1.92	0.00	57.53	55.60	OFFLINE	130.59
11/12/19	4.90	3.10	1.25	0.00	61.40	55.00	121.00	117.00
11/13/19	3.90	2.72	1.61	0.00	60.13	59.10	126.27	OFFLINE
11/14/19	3.30	2.06	1.76	0.00	59.94	55.73	124.50	OFFLINE
11/15/19	6.60	4.96	1.82	0.00	59.69	57.90	122.00	121.50
11/16/19	4.90	3.21	1.80	0.00	58.70	56.60	121.85	OFFLINE
11/17/19	4.10	2.81	1.79	0.00	58.92	54.64	124.75	OFFLINE
11/18/19	3.20	2.18	1.79	0.00	58.66	57.40	123.40	OFFLINE
11/19/19	2.70	2.08	1.63	0.00	57.93	55.50	149.66	155.00
11/20/19	4.00	3.07	0.99	0.00	63.47	54.66	116.36	OFFLINE
11/21/19	3.10	2.57	0.69	0.00	63.73	59.45	121.20	OFFLINE
11/22/19	3.30	2.53	1.08	0.00	60.54	55.73	126.98	OFFLINE
11/23/19	5.00	4.29	1.38	0.00	58.96	54.60	122.76	OFFLINE
11/24/19	1.30	0.87	1.17	0.00	60.17	59.50	121.59	OFFLINE
11/25/19	3.30	2.70	1.04	0.00	60.63	53.33	133.50	OFFLINE
11/26/19	4.70	3.65	0.79	0.00	58.50	57.70	113.00	OFFLINE
11/27/19	0.40	0.31	0.71	0.00	57.81	57.00	125.00	OFFLINE
11/28/19	0.00	0.01	0.71	0.00	57.81	OFFLINE	OFFLINE	OFFLINE
11/29/19	0.00	0.00	0.71	0.00	57.81	OFFLINE	OFFLINE	OFFLINE
11/30/19	0.00	0.00	0.71	0.00	57.81	OFFLINE	OFFLINE	OFFLINE
Monthly Totals								
MAX.	6.80	5.80	1.92	0.00	63.73	60.20	149.66	155.00
MIN.	0.00	0.00	0.69	0.00	57.52	52.59	113.00	117.00
AVG.	4.11	2.84	1.44	#DIV/0!	59.52		123.79	130.00
TOT.	111.10	85.24						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment D

	TIPS Influent Flow Total (Mgal)	SF/UV Recycled Water Flow Total (Mgal)	SF/UV Average Product Turbidity (NTU)	SF/UV -% of time Product Turbidity>5	SF/UV Last 24hr Average UVT (%)	SF/UV Minimum UVT (%)	SF/UV Average RED Ch1 Dosage (mJ/cm2)	SF/UV Average RED Ch2 Dosage (mJ/cm2)
12/1/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/2/19	4.20	2.30	1.37	0.00	58.82	57.20	132.50	120.00
12/3/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/4/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/5/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/6/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/7/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/8/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/9/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/10/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/11/19	1.30	1.48	1.62	0.00	58.20	52.03	127.00	OFFLINE
12/12/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/13/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/14/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/15/19	4.20	2.67	1.62	0.00	60.16	65.90	119.39	OFFLINE
12/16/19	2.30	1.37	0.00	0.00	58.99	58.84	126.11	OFFLINE
12/17/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/18/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/19/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/20/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/21/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/22/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/23/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/24/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/25/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/26/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/27/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/28/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/29/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/30/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
12/31/19	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE	OFFLINE
Monthly Totals								
MAX.	4.20	2.67	1.62	0.00	60.16	65.90	132.50	120.00
MIN.	1.30	1.37	1.37	0.00	58.20	52.03	119.39	120.00
AVG.	3.00	1.96	1.54	0.00	59.04		126.25	120.00
TOT.	12.00	7.82						
Permit Values			Max = 2	Max = 5	Min = 52	Min = 52	Min = 100	Min = 100
Note: Daily values are taken from 7AM to 7AM of the following day.								

Attachment E

DSRSD Recycled Water Customer Information and Compliance Summary

- Table 1 – Recycled Water Use by Billing Period by Each User
- Table 2 – Summary of Recycled Water Usage by Application Type
- Table 3 – List of New Authorized Recycled Water Licenses
- Table 4 – Results from User’s Recycled Water Self-Monitoring Reports
- Table 5 – Summary of Violations Found During Site Inspections and Corrective Actions Taken



Clean Water Program

Recycled Water Use by Billing Period for Calendar Year 2019

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
02-100	Extended Stay America	193	82	142	240	223	254	1,134	0.85
02-101	Emerald Point Bldg. A- Streetscape (5120 Hacienda Dr.)	269	44	274	552	633	557	2,329	1.74
02-103	Dublin Blvd. from Tassajara Creek to Tassajara Rd.	96	42	230	355	477	341	1,541	1.15
02-104	Emerald Glen Park (including Wave)	417	3	5,174	10,358	7,921	5,996	29,869	22.34
02-106	Central Parkway Median Arnold to Hacienda	91	1	83	252	298	92	817	0.61
02-107	Hacienda I-580 to Dublin Blvd. Medians	14	0	60	158	282	122	636	0.48
02-108	Dublin Blvd. Dougherty Rd to Hacienda Drive	92	0	15	826	1,025	650	2,608	1.95
02-109	Alameda County Tassajara Creek	166	0	516	1,140	1,409	554	3,785	2.83
02-110	Dublin Sports Ground- 6700 Dublin Blvd	241	30	3,596	9,048	7,886	3,550	24,351	18.21
02-111	Dublin Buick, Dublin	98	17	194	272	322	360	1,263	0.94
02-112	Park Place - former SAP/Sybase (Harvest Properties), Dublin	133	54	1,302	744	1,926	413	4,572	3.42
02-113	Tri-Valley SPCA	92	0	341	308	447	422	1,610	1.20
02-114	Emerald Pointe Bldg. B & C (5130 & 5140 Haciend Dr.)	101	1	413	855	941	766	3,077	2.30
02-116	Waterford Place - Safeway Shopping Center @ Tassajara Rd	55	73	358	557	586	485	2,114	1.58
02-117	Tassajara Creek Subdivision (Tassajara Ranch), Dublin	51	1	253	489	1,271	632	2,697	2.02
02-118	Avana Dublin Station (a.k.a Bel Brooks Apartments)	48	0	231	383	591	398	1,651	1.23
03-105	Central Parkway Median Hibernia to Persimmon	35	0	35	51	167	139	427	0.32
03-119	Gleason Drive Medians	20	0	4	64	568	186	842	0.63
03-120	Arlen Ness- 6050 Dublin Blvd.	27	26	63	82	86	83	367	0.27
03-121	Summer Glen of Dublin- Dublin, Ca	355	0	648	999	1,354	1,054	4,410	3.30
03-122	MicroDental- Dublin, Ca	105	3	450	865	1,182	746	3,351	2.51
03-123	San Ramon Valley Fire Station #30	85	4	66	110	109	85	459	0.34

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
03-124	Westport Way Park (a.k.a) Dublin Green- Dublin, Ca	9	12	36	40	46	36	179	0.13
03-125	Waterford Apartments- Dublin, Ca	34	1	253	464	429	337	1,518	1.14
04-102	Bellingham Square Park- San Ramon	45	8	822	2,034	2,037	818	5,764	4.31
04-126	East Branch Park- Harcourt & Pemberton, San Ramon	60	1	632	2,235	1,618	760	5,306	3.97
04-127	RA 1102- Windemere Backbone Phase 1A- San Ramon	306	18	2,681	10,224	9,687	5,158	28,074	21.00
04-128	Dublin Fire Station #18 - Fallon Rd.	0	0	144	313	276	209	942	0.70
04-129	Tassajara Meadows(I & II) Subdivision - HOA- Dublin, Ca	93	2	236	666	726	462	2,185	1.63
04-130	Dublin Ranch Golf Course- Dublin, Ca	1,021	96	12,432	28,627	26,436	15,307	83,919	62.77
04-131	Hidden Hills Elementary School- Harcourt & Albion, San Ra	33	0	473	1,337	1,295	570	3,708	2.77
04-132	Central Parkway Median West of Glynnis Rose	41	1	162	360	439	249	1,252	0.94
04-133	Bray Commons Park- 3300 Finnian Way	3	0	706	2,196	1,979	888	5,772	4.32
05-100	RA 1142- Windemere Backbone Phase 2- San Ramon	146	13	837	2,534	3,391	2,039	8,960	6.70
05-101	Fairway Ranch Medians	8	0	105	146	168	136	563	0.42
05-102	Hidden Valley Park-10820 Albion Rd., San Ramon	28	0	481	1,641	1,638	710	4,498	3.36
05-103	JPI Apartments (a.k.a Emerald Park Apts.)- Dublin, Ca	976	1	848	2,103	1,647	1,282	6,857	5.13
05-104	Tract 8714- Village 22- San Ramon	9	0	93	292	313	196	903	0.68
05-105	Neighborhood 01 Tract 7984	71	3	961	2,789	2,763	1,598	8,185	6.12
05-106	Hidden Crest Park- Asterbell Dr., San Ramon	11	0	199	610	705	379	1,904	1.42
05-107	Neighborhood 08- Tract 8564	66	3	490	1,113	1,489	1,078	4,239	3.17
05-108	Cornerstone Apartments- San Ramon, Ca	1	9	744	1,218	1,619	1,953	5,544	4.15
05-109	Tract 8716- Village 24- San Ramon	36	0	184	684	750	411	2,065	1.54
05-110	RA 1124- Watermill Rd.- San Ramon	78	4	487	1,078	998	860	3,505	2.62
05-112	RA 1103-Dougherty Rd., -San Ramon	71	1	700	1,581	1,851	1,687	5,891	4.41
05-113	Valley View Park - Monarch & Star Jasmine, San Ramon	55	12	639	1,846	2,121	1,042	5,715	4.27
05-114	Bank of America, 4250 Dublin Blvd.- Dublin, Ca	5	0	72	139	120	80	416	0.31
05-115	Limerick Park (a.k.a. Creekview Park)	39	161	608	1,111	1,065	476	3,460	2.59

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
05-116	Tract 8712- Village 20- San Ramon	4	0	66	193	180	104	547	0.41
05-117	Tract 8713- Village 21- San Ramon	20	3	67	381	430	281	1,182	0.88
05-118	RA 1130- Ambridge in Windemere-San Ramon	46	0	441	763	1,107	695	3,052	2.28
05-119	RA 1123- Windemere Backbone Section 1B- San Ramon	77	6	668	1,948	2,217	1,518	6,434	4.81
05-120	Neighborhood 02A- Tract 8563	149	17	45	107	287	194	799	0.60
05-121	RA 1116 - N.Wedgewood Rd.- San Ramon	12	0	138	317	378	176	1,021	0.76
05-122	RA 1117- (Monarch & Wedgewood)- San Ramon	97	0	971	2,489	3,073	1,707	8,337	6.24
05-123	Souyen Park - 1548 Watermill Rd., San Ramon	9	29	213	787	736	341	2,115	1.58
05-128	Tract 8153- Village 14- San Ramon	10	0	164	537	631	359	1,701	1.27
05-129	Tract 8154- Village 15- San Ramon	8	0	125	303	262	124	822	0.61
05-130	Tract 8156- Village 17-San Ramon, Ca	46	2	240	818	925	496	2,527	1.89
05-131	Tract 8715- Village 23- San Ramon	10	0	61	226	245	143	685	0.51
05-132	RA 1104- N.Gale Ridge Rd.- San Ramon	6	0	42	142	180	97	467	0.35
05-133	RA 1105- S.Bollinger Cyn. Rd -San Ramon	16	0	268	831	954	504	2,573	1.92
05-134	RA 1094- South Bollinger Canyon Rd. (Phase 1A Backbone)	112	7	837	4,209	4,663	2,747	12,575	9.41
05-135	Tract 8149- Village 10- San Ramon	23	0	167	522	640	349	1,701	1.27
05-137	Tract 8152- Village 13- San Ramon, Ca	38	0	340	1,386	1,160	544	3,468	2.59
05-139	Tract 8157- Village 18- San Ramon	11	0	32	368	413	230	1,054	0.79
05-140	Neighborhood 11 Fuel Transition/Bollinger Cyn. Rd. Frontag	6	0	54	128	140	88	416	0.31
05-143	RA 1137- Windemere Phase 4 Backbone- San Ramon	95	1	177	926	923	903	3,025	2.26
05-144	RA 1151- Windemere Phase 4 Backbone- San Ramon	97	2	655	2,455	2,866	1,582	7,657	5.73
05-145	Dublin Corners- Dublin, Ca	27	1	116	327	393	160	1,024	0.77
05-146	Neighborhood 09- Tract 8631	41	0	319	832	882	1,075	3,149	2.36
05-148	Feathermint Open Space-Neighborhoods 2A/8 Open space	54	0	367	917	1,256	708	3,302	2.47
05-149	Emerald Glen Park - Phase 3	403	0	2,897	7,721	6,633	4,457	22,111	16.54
06-100	Sherwood Pocket Park- 5389 Sherwood Way., San Ramon	7	1	162	451	430	181	1,232	0.92

Attachment E - Table 1

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
06-101	Canyon Oaks Apartments (Branch Creek Place) San Ramon	312	0	160	908	1,562	937	3,879	2.90
06-102	Dougherty Valley Community Center & Library	40	66	475	719	678	473	2,451	1.83
06-105	DSRSD District Office	11	0	101	279	268	197	856	0.64
06-106	Area G-Central Pkway, Dublin Blvd., Keegan St.	57	0	343	846	818	572	2,636	1.97
06-107	Windemere Ranch Middle School- 11611 E. Branch., San Ra	41	0	1,296	4,305	3,316	1,887	10,845	8.11
06-110	Mill Creek Apartments (Branch Creek Place) - San Ramon, C	416	224	859	1,507	2,176	1,418	6,600	4.94
06-120	RA 1148-Japonica Way- San Ramon	26	2	206	376	561	413	1,584	1.18
06-122	Quail Run Elementary School- 400 Goldenbay Ave., San Ra	51	1	656	2,114	1,967	938	5,727	4.28
06-125	RA 1125-S. Wedgewood Rd.-San Ramon	41	4	287	577	660	681	2,250	1.68
06-126	Neighborhood 04- Tract 8690	26	0	279	477	718	512	2,012	1.50
06-127	Neighborhood 06 Slopes- Tract 8681	17	1	158	303	363	107	949	0.71
06-128	RA 1139-Stoneleaf Rd.- San Ramon	23	0	121	478	545	320	1,487	1.11
06-129	Neighborhood 14 Villapaseo- Tract 8685	8	0	296	855	876	348	2,383	1.78
06-130	Neighborhood 15-Rosegarden- Tract 8686	55	0	269	710	609	457	2,100	1.57
06-131	Creekside Park PA 0010- San Ramon, Ca	36	2	673	1,868	1,888	1,155	5,622	4.21
06-132	Tassajara Creek Phase 3 Roxbury - Dublin	133	7	27	386	4	952	1,509	1.13
06-133	Dougherty Elementary School- Dublin, Ca	329	1	1,171	1,522	1,834	1,175	6,032	4.51
06-134	RA 1153 & 1156 Ivyleaf Springs Rd & Golden Bay Ave. (San	19	0	128	527	498	283	1,455	1.09
06-135	RA 1122- Bollinger Canyon Road- San Ramon	101	10	894	2,190	2,196	1,257	6,648	4.97
06-136	Arnold Road & Martinelli Way- Dublin	29	0	206	569	592	100	1,496	1.12
06-137	Diablo Valley College- San Ramon, Ca	1	42	246	536	455	292	1,572	1.18
06-139	WWTP 7399 Johnson Drive	175	141	125	382	1,251	549	2,623	1.96
06-140	Camellia Place- Dublin Transite Site A2- Dublin	0	0	0	1	124	137	262	0.20
06-141	Muirlands at Windemere Tract 7976 Lot 17 (San Ramon)	41	25	248	502	805	339	1,960	1.47
06-142	RA 1135-North Monarch Road, San Ramon	32	9	283	552	661	330	1,867	1.40
07-001	Tract 8775- Village 34- San Ramon	23	0	131	679	548	442	1,823	1.36

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
07-002	Tract 8776- Village 35 -San Ramon	17	0	147	493	576	305	1,538	1.15
07-006	Dougherty Hills Dog Park	3	0	171	492	547	274	1,487	1.11
07-007	San Ramon Sports Park- 5261 Sherwood Way, San Ramon	68	60	1,718	4,577	4,305	2,116	12,844	9.61
07-008	Oak Grove at Dublin Ranch (a.k.a) Fairway Family Communi	10	0	129	464	454	255	1,312	0.98
07-009	Dublin Ranch Senior Apartments- Dublin, Ca	18	0	117	392	379	251	1,157	0.87
07-103	Monarch Park- 8502 N. Monarch Rd., San Ramon	45	31	551	1,593	1,576	863	4,659	3.48
07-104	Dublin Gateway Medical Center- Dublin	48	38	50	86	99	77	398	0.30
07-106	DSRSD Maymont Lane Siphon Flushing Station	417	452	322	294	221	388	2,094	1.57
07-107	Arlington Park at Windemere-3735 Knightbridge wy. (San R	37	3	618	1,717	1,706	842	4,923	3.68
07-108	Fire Truck Park - 2070 Arlington Way (San Ramon)	9	1	158	545	501	240	1,454	1.09
07-109	Dublin Chevrolet, Cadillac- Dublin	217	51	590	1,035	1,309	1,221	4,423	3.31
07-110	RA 1174- Windemere Ph5A Backbone- San Ramon	91	3	429	1,183	1,604	1,073	4,383	3.28
07-111	Dublin Honda- Dublin, Ca	99	34	444	926	1,025	1,119	3,647	2.73
07-112	Dublin Ranch Eastern On-Site Drainage- Dublin, Ca	24	0	133	273	263	211	904	0.68
07-113	Campbell Green Park (aka Avalon Dublin Station-Demarcus	203	2	207	292	287	187	1,178	0.88
07-114	Area F Medians- Gleason Dr & Grafton for Verona	8	0	122	241	211	91	673	0.50
07-115	Dublin Ranch Area F-2 (Verona)- Dublin, Ca	125	8	1,175	2,201	1,834	1,255	6,598	4.94
07-116	Dublin Blvd. DSRSD Office to East of Clark Ave. (Dublin)	2	0	50	93	101	60	306	0.23
07-117	Dublin Ranch Golf HOA- Dublin, Ca	550	22	1,675	3,225	3,793	2,041	11,306	8.46
07-118	Pinnacle at Dublin Ranch Golf- Dublin, Ca	58	0	310	792	759	461	2,380	1.78
07-119	Ted Fairfield Park- 3400 Antone Way, Dublin	277	1	677	1,979	1,722	1,346	6,002	4.49
07-120	Lowe's of Dublin- Dublin, Ca	198	38	1,791	2,206	1,347	1,238	6,818	5.10
07-121	Live Oak Elementary School- 5151 Sherwood Wy, San Ramo	15	2	203	728	671	336	1,955	1.46
07-122	Dougherty Valley High School- San Ramon, Ca	442	62	1,631	5,502	4,977	2,721	15,335	11.47
07-123	Dublin Ranch Water Quality Basin- Dublin, Ca	420	0	522	1,382	1,745	1,469	5,538	4.14
08-001	Ulfert Shopping Center- Dublin, Ca	161	36	0	98	158	162	615	0.46

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/Jun	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
08-002	Dublin Civic Center and Library	321	18	1,264	2,203	2,545	1,079	7,430	5.56
08-003	Ramona Park - 6330 Murdock Way, San Ramon	0	0	551	1,784	1,408	608	4,351	3.25
08-004	Venture Commerce Center- Dublin, Ca	0	2	193	489	431	266	1,381	1.03
08-005	Area F-Park (Piazza Sorrento Park)	21	0	378	907	822	454	2,582	1.93
08-006	Plaza at Gale Ranch- San Ramon, Ca	314	9	707	887	793	651	3,361	2.51
08-007	RA 1170- Dalton Way (San Ramon)	7	0	29	112	135	69	352	0.26
08-008	Tract 8777- Village 36- San Ramon	50	4	286	932	1,335	655	3,262	2.44
08-009	Fallon Middle School- 3601 Kohonen Way, Dublin, Ca	534	0	1,308	2,965	2,838	1,593	9,238	6.91
08-010	John Green Elementary School- Dublin, Ca	253	0	629	687	1,066	760	3,395	2.54
08-011	Tract 8778- Village 37, San Ramon	12	1	137	403	448	252	1,253	0.94
08-012	Neighborhood 07- Tract 8682	37	0	291	822	689	413	2,252	1.68
08-013	Grafton Station Offsite- Dublin, Ca	72	137	69	127	557	392	1,354	1.01
08-014	BART Parking Structure -Dublin, Ca	221	92	49	220	70	12	664	0.50
08-015	Tract 8773- Village 32 N. East Branch Pkwy, Chancery & Ing	15	3	127	462	504	268	1,379	1.03
08-016	Tract 8774- Village 33 Sherwood and Baker Way	10	0	75	281	295	150	811	0.61
08-017	Tract 8927- Village 43- San Ramon	91	47	104	463	544	225	1,474	1.10
08-018	Dublin Sonata-Gleason Median	10	0	95	158	116	40	419	0.31
08-019	Monument ID Exhibit-PA 0017 11890 Bollinger Cnyn., San R	1	1	18	85	56	29	190	0.14
08-020	Dublin Neighborhood Square Park (Devaney Park)	57	0	597	853	1,141	219	2,867	2.14
08-021	RA 1152-Stoneleaf Road- 7489 Stoneleaf Rd. San Ramon	15	6	320	1,234	961	759	3,295	2.46
08-022	Tract 8926- Village 42 (East Branch-Arlington, Enfield, Halifa	33	4	199	847	725	491	2,299	1.72
08-023	Tract 8928- Village 44 E.Branch-Arlington , Montrose-Edge	8	0	118	440	710	389	1,665	1.25
08-024	RA 1175 -Windemere Ph5B Backbone- San Ramon	140	13	790	3,094	3,689	2,315	10,041	7.51
08-025	Dougherty Rd.- South of Dublin Blvd.	13	0	209	404	452	307	1,385	1.04
08-026	Dublin Blvd. Dougherty Rd. to Scarlett Dr.	5	0	38	65	59	29	196	0.15
08-027	Dougherty Rd.-median between Dublin Blvd. and Sierra Ln.	4	0	11	35	45	28	123	0.09

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
08-028	Tract 7282-SONATA- Dublin, Ca	104	0	693	1,657	1,041	774	4,269	3.19
08-030	Gale Ranch Middle School- Sports field Bollinger & Main Br	170	1	765	2,462	2,283	1,009	6,690	5.00
08-031	Fallon Village Offsite-Positano Parkway- Dublin, Ca	323	1	684	1,868	2,030	1,779	6,685	5.00
08-032	Positano Parkway Median	14	0	97	449	564	297	1,421	1.06
09-001	Tract 8924- Village 40- San Ramon	20	3	265	1,099	1,211	480	3,078	2.30
09-002	Elan @ Dublin Station- Dublin, Ca	174	0	173	245	198	143	933	0.70
09-003	Tract 8717- Village 25- San Ramon	33	6	265	1,138	1,344	713	3,499	2.62
09-004	Tract 8930- Village 46- San Ramon	63	4	276	1,072	1,345	768	3,528	2.64
09-005	Tract 8929- Village 45- San Ramon	19	2	130	384	584	215	1,334	1.00
09-006	Grafton Station Pads B-D, Dublin, Ca	41	5	357	635	547	489	2,074	1.55
09-007	Seville at Gale Ranch -San Ramon, Ca	75	0	292	642	719	258	1,986	1.49
09-008	Neighborhood 06-Streets Tract 8681	31	1	595	802	785	493	2,707	2.02
09-009	Tract 9142- Village 47- San Ramon, Ca	23	1	288	798	1,148	632	2,890	2.16
09-010	Tract 9143- Village 48-San Ramon, Ca	86	4	189	423	841	457	2,000	1.50
09-011	I-580/Fallon Road Interchange	218	0	176	390	357	374	1,515	1.13
09-012	PM 7893- Demarcus Blvd. & PM 8275 Street Improvement	16	0	36	118	79	105	354	0.26
09-013	South Dougherty Road Widening- San Ramon	48	0	416	1,725	2,014	1,069	5,272	3.94
09-014	Tract 9144- Village 49 - San Ramon, Ca	33	4	288	623	854	562	2,364	1.77
09-015	PA 19 open space Gale ranch ph3- San Ramon	0	15	115	155	73	25	383	0.29
10-001	Six Pillars Park- PA 025 12219 Windemere Pkwy., San Ramo	14	14	260	870	985	402	2,545	1.90
10-002	Neighborhood 13- Tract 8700- San Ramon, Ca	38	6	420	902	1,432	536	3,334	2.49
10-003	Tract 8925- Village 41- San Ramon	31	1	150	549	712	346	1,789	1.34
10-004	Dublin Corporate Center (Koll Center)- Dublin, Ca	329	76	762	1,464	1,316	911	4,858	3.63
10-005	RA 1138- South Monarch Rd. -San Ramon	18	0	214	474	559	294	1,559	1.17
10-006	Fallon Sports Park- 4605 Lockhart Street, Dublin	888	3	5,562	10,330	10,857	6,755	34,395	25.73
10-007	Fallon Rd. North Extension	13	0	116	380	326	203	1,038	0.78

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
10-008	PA0040 Bark and Ride- San Ramon	18	0	12	888	850	253	2,021	1.51
10-009	Neighborhood 05-Subdivision 8699- San Ramon, Ca	63	0	598	972	1,481	864	3,978	2.98
11-001	Neighborhood 03- Tract 8970 - San Ramon, Ca	18	6	128	449	341	225	1,167	0.87
11-002	Mosaic Park -PA0021 2651 Cypress., San Ramon	6	0	198	543	555	282	1,584	1.18
11-003	Fallon Gateway Offsite- 2800 Dublin Blvd. Dublin	2	0	106	250	421	280	1,059	0.79
11-004	Fallon Gateway Retail Center- Target -Dublin, Ca	1,893	432	554	2,670	3,773	4,144	13,466	10.07
11-005	Kolb Elementary School- Dublin, Ca	197	1	785	1,216	1,260	777	4,236	3.17
11-006	RA 1154-South Monarch Rd.- San Ramon, Ca	22	1	120	610	507	229	1,489	1.11
11-008	DSRSD Pump Station 300B	0	0	0	0	12	1	13	0.01
11-009	Tract 7651- Sorrento East- Dublin, Ca	383	28	482	1,207	853	1,557	4,510	3.37
11-010	Tract 8306-Gale Ranch Phase 3- San Ramon, Ca	98	20	511	1,687	1,779	998	5,093	3.81
11-012	Silvera Ranch Phase 4- Tract 7540 Bella Monte Dublin, Ca	225	1	167	350	344	376	1,463	1.09
12-001	Tract 8952- Gale Ranch Phase 3- San Ramon, Ca	31	0	260	898	756	455	2,400	1.80
12-002	Valencia Apartments- San Ramon, Ca	133	44	257	574	488	600	2,096	1.57
12-003	Hacienda Crossings -Dublin, CA	670	126	2,730	5,520	5,363	3,032	17,441	13.05
12-004	BJ's Restaurant and Brewhouse, 3620 Fallon Road, Dublin,	48	41	40	40	45	67	281	0.21
12-005	Jordan Ranch Phase 1 Onsite HOA-Dublin, CA	331	272	258	280	218	231	1,590	1.19
12-006	Jordan Ranch Phase 1 Offsite Medians-Dublin, CA	6	6	29	105	114	20	280	0.21
12-007	Alamo Creek Park- Dublin, Ca	9	0	810	2,525	2,612	1,123	7,079	5.30
12-008	Stagecoach Park- Dublin, Ca	10	0	178	366	269	139	962	0.72
12-009	Kolb Park- Dublin, Ca	48	0	756	1,421	1,559	307	4,091	3.06
12-010	Wells Middle School/Cronin Park- Dublin, Ca	159	1	1,378	2,394	2,050	1,813	7,795	5.83
12-011	Murray Elementary School- Dublin, Ca	732	4	1,188	2,283	2,654	1,305	8,166	6.11
12-012	Crossroads@Emerald Vista	141	2	1,664	1,574	1,602	1,057	6,040	4.52
12-013	Wexford Way and Emerald Vista Apartments- Dublin	310	74	190	897	1,054	1,534	4,059	3.04
13-001	Dublin Infiniti (formerly Dublin Kia) - Dublin, Ca	47	21	210	355	441	366	1,440	1.08

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/Jun	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
13-002	Positano Hills Park- Dublin	408	15	1,012	1,925	1,985	823	6,168	4.61
13-003	Goddard School-San Ramon, Ca	11	0	55	180	64	266	576	0.43
13-004	RA 1248-Gatekeeper Rd.- San Ramon, Ca	1	0	4	52	56	55	168	0.13
13-005	Frederiksen Elementary School- Dublin, Ca	138	0	425	964	1,039	1,802	4,368	3.27
13-006	Springfield Montessori School- Dublin	20	0	69	182	179	176	626	0.47
13-007	Tract 8689- Neighborhood 3A- San Ramon, Ca	47	23	136	367	339	131	1,043	0.78
13-008	Fallon Village Phase 2 Backbone (Village D)- HOA	76	0	623	916	828	877	3,320	2.48
13-009	Passatempo Park-3150 Palermo Way, Dublin	111	0	799	1,944	2,208	1,295	6,357	4.76
13-010	RA 1246-Barrenstar Way	27	6	40	365	372	247	1,057	0.79
13-011	Escalada on Brannigan- 10081 Brannigan St. Dublin	13	0	10	17	16	17	73	0.05
13-012	Fallon Village Phase 2 Backbone (Village D)- Median	7	0	36	114	120	97	374	0.28
14-001	Sorrento East - Pedestrian Corridor	131	214	189	566	600	426	2,126	1.59
14-002	Jordan Ranch Phase 4 Central Parkway Medians	2	0	86	170	179	211	648	0.48
14-003	Jordan Ranch Phase 4 Central Parkway HOA	245	37	129	214	260	159	1,044	0.78
14-004	Fallon Village Phase 2 Backbone - GHAD	46	25	90	140	114	230	645	0.48
14-005	Avalon Dublin Station Site C2	199	1	882	1,012	910	916	3,920	2.93
14-007	Archstone Apartments	657	0	2,086	4,815	2,901	3,242	13,701	10.25
14-008	Tassajara Road Medians from N. Dublin Ranch Dr. to Dublin	127	0	455	888	975	770	3,215	2.40
14-009	Dublin High School- 8151 VILLAGE PKWY	125	1	2,014	5,359	6,454	2,998	16,951	12.68
14-010	Hacienda and North Central Parkway Median	25	0	128	417	568	205	1,343	1.00
14-011	Arnold Road & Gleason Dr. Median	7	0	47	102	109	65	330	0.25
14-012	Hacienda & Gleason Dr. Streetscapes and Medians	51	0	255	697	1,253	591	2,847	2.13
14-013	Fallon Crossings Common Area and Vineyard	143	54	421	622	1,132	762	3,134	2.34
14-014	Public Safety Complex- 6363 Clark Ave.	0	0	23	314	242	108	687	0.51
14-015	Dublin Blvd. NW corner to Myrtle Dr.	50	0	168	333	535	262	1,348	1.01
14-016	Central Parkway Median Hacienda-Hibernia Dr.	5	0	57	107	103	30	302	0.23

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/Jun	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
14-017	Rancho Park- San Ramon	227	27	2,449	5,983	5,808	3,493	17,987	13.45
14-018	RA 1168- Dougherty Rd. Gale Ranch Phase 4	167	0	5	370	642	956	2,140	1.60
14-019	Dublin Toyota- Dublin	181	0	1,047	2,136	1,816	1,424	6,604	4.94
14-020	Amador Valley Blvd. and Dougherty	131	0	392	900	929	640	2,992	2.24
14-021	Dublin Ranch Pedestrian Pathway	8	1	130	441	512	406	1,498	1.12
14-022	Antone Way and Grafton St. Streetscapes	36	1	238	674	793	668	2,410	1.80
14-023	South Dublin Ranch Dr. Streetscapes and Medians	64	7	566	1,433	1,744	1,267	5,081	3.80
14-024	Tassajara Rd. East Side Streetscapes from Gleason to N. Du	30	2	357	840	857	546	2,632	1.97
14-025	Amador Lakes Apartments	560	42	2,785	6,134	6,040	4,273	19,834	14.84
14-026	Avalon Dublin Station Site C1	2	0	4	2	3	5	16	0.01
14-027	Silvera Ranch Phase 1- Tract 7441	194	5	473	933	1,035	1,014	3,654	2.73
14-028	Jordan Ranch Phase 4 Trail and Open Space	9	0	44	166	55	69	343	0.26
14-029	Jordan Ranch Phase 4- Tracts 8140, 8141 & 8142 (Preserve	15	0	288	393	352	353	1,401	1.05
15-001	Fallon Gateway Chevron CarWash 2760 Dublin Blvd- Irrigati	33	9	23	52	58	80	255	0.19
15-001A	Fallon Gateway Chevron Car Wash 2760 Dublin Blvd - CarW	737	57	107	131	129	175	1,336	1.00
15-002	Parkwood Apartments- 7366 Dougherty Rd.	414	9	876	1,604	1,674	1,444	6,021	4.50
15-003	Dublin Fire Station #17- 6200 Madigan St.	16	1	38	136	158	164	513	0.38
15-004	California Highway Patrol- 4999 Gleason Dr. Dublin	3	0	23	21	47	56	150	0.11
15-005	Alameda County G.S.A Animal Shelter 1248- 4595 Gleason	0	0	17	108	295	194	614	0.46
15-006	Persimmon Place	95	1	319	709	648	704	2,476	1.85
15-007	JM Amador Elementary- 2100 E Cantara Dr. Dublin	264	0	419	719	667	636	2,705	2.02
15-008	Jordan Ranch Neighborhood 6 Tract 8197 & 8198	240	184	515	499	1,105	1,286	3,829	2.86
15-009	Esprit At Dublin Station- 5584 Dublin Blvd.	69	0	299	711	578	318	1,975	1.48
15-010	Alameda County G.S.A K-9 Training Area	17	0	70	557	522	298	1,464	1.10
15-012	Alameda County G.S.A Sewer Screw Washdown	119	97	87	141	102	101	647	0.48
15-013	Alameda County G.S.A Santa Rita Jail	490	0	3,676	5,206	4,534	2,620	16,526	12.36

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
15-014	Dublin Senior Center- 7600 Amador Valley Blvd.	6	1	114	266	306	110	803	0.60
15-015	Amador Valley Blvd. Median- Village Parkway to San Ramo	5	0	29	57	63	45	199	0.15
15-016	Jordan Ranch Phase 2 Neighborhood 3 -Capri Tract 8179	100	0	1	1,676	1,081	1,138	3,996	2.99
15-017	The Church of Jesus Christ of Latter-Day Saints (Mormon Ch	316	21	207	264	444	276	1,528	1.14
15-018	Dublin Fire Station #16- 7494 Donohue Dr.	3	0	62	109	96	41	311	0.23
15-019	Jordan Ranch Phase 4- Trio Tract 8154, 8155	13	0	317	685	571	473	2,059	1.54
15-020	Dublin Historic/Heritage Park- 11759 Dublin Blvd.	48	0	690	1,494	1,158	590	3,980	2.98
15-021	Dublin Tech Center- 11820-11850 Dublin Blvd.	23	17	45	77	71	49	282	0.21
15-022	Silvergate Drive Medians- 11471 Silvergate Dr.	2	0	46	86	75	46	255	0.19
15-023	McNamara's Steak House- 7400 San Ramon Rd. Dublin	79	11	54	90	92	57	383	0.29
15-024	Dublin Pioneer Cemetery	16	1	116	180	212	154	679	0.51
15-025	Shell Gas Station- 11989 Dublin Blvd.	4	0	0	0	42	34	80	0.06
15-026	Dublin Blvd. Associates- 11555 Dublin Blvd.	48	0	151	294	313	343	1,149	0.86
15-027	Dublin Chevron- 7007 San Ramon Rd.	4	0	12	28	30	52	126	0.09
15-028	Mape Park- 11711 Mape Way	33	9	343	851	842	363	2,441	1.83
15-029	Frankie Johnnie & Luigi Too- 11981 Dublin Blvd.	34	30	31	66	117	40	318	0.24
15-030	St. Raymond Church.-11555 Shannon Ave.	88	1	188	507	444	341	1,569	1.17
15-031	Hexcel- 11711 Dublin Blvd.	92	0	305	495	944	303	2,139	1.60
15-032	San Ramon Road Median- 7100 San Ramon Rd.	50	24	160	327	315	94	970	0.73
15-033	Dublin Ranch Sub Area 3 Ph1 Offsite- Tract 8171	102	4	1	136	166	172	581	0.43
15-034	Dublin Ranch Sub Area 3 Ph 1 Onsite- Tract 8171	113	2	579	1,163	1,181	1,267	4,305	3.22
16-001	Challenge Dairy- Heritage Park Office Building	16	1	48	77	67	72	281	0.21
16-002	San Ramon Road Median- 11989 Dublin Blvd.	19	0	63	111	103	87	383	0.29
16-003	Dolan park- 11651 Padre Way	47	2	666	1,443	1,945	687	4,790	3.58
16-004	Nielson Elementary School- 7500 Amarillo Rd.	123	0	565	1,520	1,377	1,855	5,440	4.07
16-005	Dublin Elementary School- 7997 Vomac	529	12	805	2,147	1,962	1,584	7,039	5.27

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
16-006	Tract 7515 Wallis Road Backbone	516	110	1,504	2,379	3,026	2,967	10,502	7.86
16-007	Terrace Ridge- T7950 (6541 Terrace Ridge Ct.)	65	0	207	387	359	108	1,126	0.84
16-008	Church of Christ- 11873 Dublin Blvd.	0	0	0	4	3	5	12	0.01
16-009	Heritage Park- Residentials	12	0	155	500	469	182	1,318	0.99
16-010	Kildara Homeowners Association	123	6	516	1,358	1,766	1,177	4,946	3.70
16-011	Dublin Place Shopping Center- Target	694	299	732	1,300	1,121	918	5,064	3.79
16-012	Town & Country Center- Lamp Plus Plaza	23	20	192	435	534	309	1,513	1.13
16-013	Shannon Park- 11600 Shannon Ave.	82	0	735	1,875	1,466	770	4,928	3.69
16-014	Shannon Community Center- 11600 Shannon Ave.	2	0	40	120	80	39	281	0.21
16-015	Public Storage-7420 San Ramon Rd.	34	0	31	92	80	90	327	0.24
16-016	Dublin Executive Center-11501 Dublin Blvd.	10	0	128	220	268	254	880	0.66
16-017	San Ramon Road Median- W.Vomac to Silvergate Dr.	19	1	200	339	603	381	1,543	1.15
16-018	San Ramon Road Median- Vomac to Alcosta	30	0	396	524	1,042	682	2,674	2.00
16-019	Amador Valley Blvd. Median- Village Pkwy to Stagecoach	91	1	260	673	663	361	2,049	1.53
16-020	Bella Vista Elementary School (Dougherty Valley Elementar	496	397	715	1,605	1,308	810	5,331	3.99
16-021	Dublin Valero - 7840 Amador Valley Blvd.	13	2	18	29	27	33	122	0.09
16-022	Dublin Transit Site A1- Tribeca	36	7	183	489	277	202	1,194	0.89
16-023	Walgreens- 11440 Windemere Pkwy	30	22	0	2	21	28	103	0.08
16-024	RA 1210 Dougherty Rd. Gale Ranch Ph4	192	23	492	876	1,281	986	3,850	2.88
16-025	RA 1208 Dougherty Rd. Gale Ranch Ph4	62	10	18	116	167	164	537	0.40
16-026	Tract 7711 Wallis Ranch N-1 Bridgecroft	384	69	408	507	955	417	2,740	2.05
16-027	Tract 7515 Wallis Ranch Clubhouse- 4203 Wallis Ranch Dr.	84	0	234	500	490	273	1,581	1.18
16-028	Tract 7714 Wallis Ranch N-4 Citron	182	41	256	775	636	538	2,428	1.82
16-029	Tract 8169 Wallis Ranch N-8 Fielding	313	0	0	78	901	984	2,276	1.70
16-030	THE TERRACES AT DUBLIN RANCH	108	63	335	1,260	1,706	1,342	4,814	3.60
17-001	Tract 7515 Fallon Rd. Median- Fallon Rd fr. Tassajara Rd to	33	0	111	287	313	210	954	0.71

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
17-002	Tract 8170 Wallis Ranch N-7 Driftsong	35	151	171	98	412	222	1,089	0.81
17-003	East County Hall of Justice- 5149 Gleason Dr.	421	0	462	973	1,228	970	4,054	3.03
17-004	Jordan Ranch Neighborhood Park- 4299 Jordan Ranch Dr.	487	0	1,302	2,420	2,143	1,222	7,574	5.67
17-005	Dougherty Road Improvements- Sierra Lane to North City Li	203	23	348	1,551	2,127	929	5,181	3.88
17-006	PA 0042 & PA 0044- Mosaic Linear Park 1365 Bayberry Vie	213	0	118	838	925	324	2,418	1.81
17-007	PA 0043 Linear Park- 5051 Rowen Dr. San Ramon	175	0	218	662	515	454	2,024	1.51
18-001	Sean Diamond Park- 4801 La Strada Dr.	0	0	1,120	2,366	1,730	910	6,126	4.58
18-002	ALOFT Hotel Dublin- 4075 Grafton Station	18	0	54	99	91	93	355	0.27
18-003	Tract 8133- Tassajara Highlands	83	27	270	673	872	645	2,570	1.92
18-004	Dublin E5 School (Cottonwood Creek Elementary School)- 2	1	0	4	8	8	6	27	0.02
18-005	Tract 8102- Tassajara Hills Offsite	24	0	64	249	169	156	662	0.50
18-006	Tract 7712 Wallis Ranch N-2 Barnwell	20	3	70	361	870	204	1,528	1.14
18-007	Tract 8150 Boulevard Phase 1	0	1	106	146	221	107	581	0.43
18-008	Lot3 Dublin Ranch- Westport Village	0	0	330	757	1,005	854	2,946	2.20
18-009	Perch@Downtown Dublin- Tract 8295	0	0	753	1,064	514	642	2,973	2.22
19-001	Dougherty Rd. Ventura Way and Amador Valley Blvd. Near	5	10	22	46	111	42	236	0.18
19-002	Kaiser Permanente- 3100 Dublin Blvd.	0	0	297	2,590	1,138	1,800	5,825	4.36
19-003	Tract 7715 Wallis Ranch N-5 Trestle	0	0	259	257	375	255	1,146	0.86
19-004	Deer Creek Senior Apartments	0	0	0	0	0	120	120	0.09
19-005	Amador Valley Blvd. Median (Stagecoach to Dougherty Rd.)	0	0	2	1	0	0	3	0.00
19-006	Dublin Ranch Sub Area 3 medians- Central Pkwy, Fallon Rd	0	0	0	55	228	225	508	0.38
19-007	Dublin Ranch Sub Area 3 Phase II On site- Tract 8250 (Town	0	0	0	552	823	568	1,943	1.45
19-008	Boulevard- Phase 2A Backbone- Tract 8382	0	0	0	0	652	1,136	1,788	1.34
19-010	Tract 8102 Tassajar Hills Backbone- HOA Strip	0	0	0	0	0	230	230	0.17
19-011	Tract 9301 Gale Ranch Ph4- Neighborhood 5	0	0	0	0	150	962	1,112	0.83
constr	Temporary Construction Meters using RW	2,601	30	629	1,041	1,239	1,904	7,444	5.57

Lic#	NAME OF SITE	Jan/Feb	Mar/Apr	May/Jun	Jul/Aug	Sep/Oct	Nov/Dec	Total CCF	Total MG
FSL	FSL recycled water meters - LIC 06-138	138	0	30	218	310	155	851	0.64
		40,488	6,010	155,047	367,522	379,575	247,408	1,196,050	894.65



Clean Water Program

Summary of Recycled Water Usage for Calendar Year 2019

ApplicationType	No. of Sites	Area (Acres)	Amount Distributed (MG)	% of Total Reuse Flow
<u>LANDSCAPE IRRIGATION</u>				
Commercial/Other Greenbelts	92	200.81	194.29	21.71%
Golf Course	1	48.21	62.77	7.01%
Homeowners Association	29	74.07	62.03	6.93%
Park/OpenSpace	47	237.00	209.40	23.40%
School	22	132.56	95.56	10.68%
Streetscape/Median Greenbelt	141	283.81	263.39	29.43%
	332*	976.46	887.44	99.17%
<u>INDUSTRIAL</u>				
Commercial Uses	1		1.64	0.18%
Temporary Construction Meter	16		5.57	0.62%
Commercial Fill Station	8		0.244	0.03%
Total	25		7.454	0.83%

* Includes only sites with consumption in 2019.



Clean Water Program

List of New Authorized Recycled Water Users Licenced in 2019

Lic#	NAME OF SITE	CUSTOMER	APPLICATION TYPE	SOURCE	PROJECTED ANNUAL FLOW (AF/YR)
19-001	Dougherty Rd. Ventura Way and Amador Valley Blvd. Near 7-11	City of Dublin	Streetscape/Median Greenbelts	DSRSD	0.73
19-002	Kaiser Permanente- 3100 Dublin Blvd.	Kaiser Permanente	Commercial/Other Greenbelts	DSRSD	9.40
19-003	Tract 7715 Wallis Ranch N-5 Trestle	Wallis Ranch Owners Association	Homeowners Association	DSRSD	2.17
19-004	Deer Creek Senior Apartments	Shapell Industries	Streetscape/Median Greenbelts	DSRSD	2.32
19-005	Amador Valley Blvd. Median (Stagecoach to Dougherty Rd.)	City of Dublin	Streetscape/Median Greenbelts	DSRSD	1.10
19-006	Dublin Ranch Sub Area 3 medians- Central Pkwy, Fallon Rd & Dublin Blvd.	Lennar Homes	Streetscape/Median Greenbelts	DSRSD	158.20
19-007	Dublin Ranch Sub Area 3 Phase II On site- Tract 8250 (Townhomes-Ashbourne)	Lennar Homes	Homeowners Association	DSRSD	64.56
19-008	Boulevard- Phase 2A Backbone- Tract 8382	Brookfield Homes	Streetscape/Median Greenbelts	DSRSD	1.86
19-009	Tract 8102 Tassajara Hills Backbone - City Strip	Toll Brothers	Streetscape/Median Greenbelts	DSRSD	1.70
19-010	Tract 8102 Tassajar Hills Backbone- HOA Strip	Toll Brothers	Homeowners Association	DSRSD	17.00
19-011	Tract 9301 Gale Ranch Ph4- Neighborhood 5	Toll Brothers	Commercial/Other Greenbelts	DSRSD	8.40
				Total Projected Annual Flow (AF/Yr)	267.44



Results from User's Recycled Water Self-Monitoring Reports

Attachment E - Table 4: Results from Spring 2019 User's Recycled Water Self-Monitoring Reports

Standard observations:	Sites reported violations:	When deficiencies were corrected:	How deficiencies were corrected:
a. Evidence of runoff of recycled water form the site	2	After and During Self Monitoring Inspections	Adjust Nozzles, Replace broken heads
b. Odor of wastewater origin from irrigation site	0	No Correction was done Odor Dissipated	Odor is probably due to system beng off for a long period of time prior to inspection
c. Evidence of ponding of recycled water, and evidence of mosquitos breeding within the irrigation area due to ponded water	0		Adjusted irrigation schedule, Replaced with smaller emitters, installed driange area.
d. Warning signs properly posted to inform public that irrigation or water use is recycled water and is not safe for drinking	7		New signs were purchased and installed according to standard.
e. Evidence of leaks or breaks in the irrigation system pipelines or tubing	13		Repaired main line breaks, leaks and pipelines as see fit.
f. Evidence of broken, or otherwise faulty drip irrigation system emitters or spray irrigation sprinklers	11		Replaced broken heads and emitters
g. Evidence of overflows, leaks, erosions of dikes, etc. of storage pond(s) or impoundment(s)	1	No Correction was done	No correction was done.



Results from User's Recycled Water Self-Monitoring Reports

Attachment E - Table 4: Results from Fall 2019 User's Recycled Water Self-Monitoring Reports

Standard observations:	Sites reported violations:	When deficiencies were corrected:	How deficiencies were corrected:
a. Evidence of runoff of recycled water form the site	5	After and During Self Monitoring Inspections	Adjust Nozzles, Replace broken heads
b. Odor of wastewater origin from irrigation site	2	No Correction was done Odor Dissipated	Odor is probably due to system beng off for a long period of time prior to inspection
c. Evidence of ponding of recycled water, and evidence of mosquitos breeding within the irrigation area due to ponded water	5		Adjusted irrigation schedule, Replaced with smaller emitters, installed driange area.
d. Warning signs properly posted to inform public that irrigation or water use is recycled water and is not safe for drinking	6	After self monitoring inspections	New signs were purchased and installed according to standard.
e. Evidence of leaks or breaks in the irrigation system pipelines or tubing	22		Repaired main line breaks, leaks and pipelines as see fit.
f. Evidence of broken, or otherwise faulty drip irrigation system emitters or spray irrigation sprinklers	7		Replaced broken heads and emitters
g. Evidence of overflows, leaks, erosions of dikes, etc. of storage pond(s) or impoundment(s)	0	No Correction was done	No correction was done.

Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
07-108	Fire Truck Park - 2070 Arlington Way (San Ramon)	Park/OpenSpace	4/9/2019	4, 5	Repair/replace leaks/breaks, Adjust heads to minimize overspray and runoff
10-001	Six Pillars Park- PA 025 12219 Windemere Pkwy., San Ramon	Park/OpenSpace	4/9/2019	4, 5	Adjust heads to minimize overspray, Replace/repair leaks/breaks
06-100	Sherwood Pocket Park- 5389 Sherwood Way., San Ramon	Park/OpenSpace	4/12/2019	4, 5	Adjust heads to minimize over-spray and runoff, Repair/replace leaks/breaks
05-106	Hidden Crest Park- Asterbell Dr., San Ramon	Park/OpenSpace	4/16/2019	4,5	Adjust rotors from overspraying, Repair leaks/breaks
04-126	East Branch Park- Harcourt & Pemberton, San Ramon	Park/OpenSpace	4/18/2019	4, 5	Repair leaks/breaks causing runoff, Lower pressure on a number of stations to minimize runoff
14-001	Sorrento East - Pedestrian Corridor	Homeowners Association	4/24/2019	1,4	Follow up - Pop heads adjusted, signs replaced, indicator was replaced
14-017	Rancho Park- San Ramon	Park/OpenSpace	4/26/2019	2, 4, 5	Adjust overspray, minimize runoff and repair breaks/leaks
06-141	Muirlands at Windemere Tract 7976 Lot 17 (San Ramon)	Commercial/Other Greenbelts	4/29/2019	1, 4	Replace signs, repair breaks/leaks
08-003	Ramona Park - 6330 Murdock Way, San Ramon	Park/OpenSpace	4/30/2019	4, 5	Adjust head to minimize runoff, Repair leaks/breaks
05-123	Souyen Park - 1548 Watermill Rd., San Ramon	Park/OpenSpace	5/2/2019	1, 2, 4, 5	Replaced signs, Adjust to minimize overspray, runoff, Repair leaks/breaks
08-013	Grafton Station Offsite- Dublin, Ca	Commercial/Other Greenbelts	5/2/2019	1,4	signs repaired, repair broken valves
09-006	Grafton Station Pads B-D, Dublin, Ca	Commercial/Other Greenbelts	5/2/2019	2, 4, 5	Repair breaks and adjust overspray, hose bib removed
02-104	Emerald Glen Park (including Wave)	Park/OpenSpace	5/6/2019	1, 2, 4	repair breaks, adjust overspray, replace signs

Violation Codes: 1 - signs/valve tags missing 2 - ponding/overspray 3 - direct spray 4 - leaks/breaks 5 - runoff 6 - cross connection

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
10-006	Fallon Sports Park- 4605 Lockhart Street, Dublin	Park/OpenSpace	5/6/2019	2, 4	Repair breaks, make adjustments
03-120	Arlen Ness- 6050 Dublin Blvd.	Commercial/Other Greenbelts	5/7/2019	1, 2, 4, 5	Replace signs, Adjust overspray and runoff, Repair breaks and leaks
07-113	Campbell Green Park (aka Avalon Dublin Station-Demarcus Blvd.)	Park/OpenSpace	5/7/2019	2, 4	Adjust overspray, repair breaks/leaks
13-006	Springfield Montessori School- Dublin	School	5/8/2019	1, 4, 5	Adjust runoff, replace head, repair breaks, signage fixed
15-002	Parkwood Apartments- 7366 Dougherty Rd.	Commercial/Other Greenbelts	5/8/2019	1, 2, 4	Repair breaks, adjust overspray, get additional signage, trim bushes to prevent runoff, replace nozzle at Unit D
05-102	Hidden Valley Park-10820 Albion Rd., San Ramon	Park/OpenSpace	5/9/2019	4, 5	Adjust to minimize runoff, Repair leaks/breaks
15-006	Persimmon Place	Commercial/Other Greenbelts	5/9/2019	1,4,5	Signs replaced, put in emitters and trench at curb, change cycle and soak system, fix riser
07-107	Arlington Park at Windemere-3735 Knightbridge wy. (San Ramon)	Park/OpenSpace	5/17/2019	4,5	Adjust overspray to minimize runoff, repair/replace leaks/breaks
06-131	Creekside Park PA 0010- San Ramon, Ca	Park/OpenSpace	5/23/2019	1, 2, 4, 5	Adjust overspray, repair leaks/breaks, Install missing signs
14-005	Avalon Dublin Station Site C2	Homeowners Association	5/24/2019	1, 4	Install missing sign, Repair leaks/breaks
14-026	Avalon Dublin Station Site C1	Homeowners Association	5/24/2019	1,4	Replace missing sign, Repair leaks/breaks
10-008	PA0040 Bark and Ride- San Ramon	Park/OpenSpace	5/28/2019	1, 4, 5	Replace faded sing, Adress runoff caused by leaks/breaks
10-004	Dublin Corporate Center (Koll Center)- Dublin, Ca	Commercial/Other Greenbelts	5/31/2019	2, 4, 5	Adjust overspray to minimize runoff, correct ponding, Repair leaks/breaks
05-115	Limerick Park (a.k.a. Creekview Park)	Park/OpenSpace	6/5/2019	2, 4, 5	Eliminate Ponding, Repair breaks, Adjust overspray to minimize runoff

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
07-106	DSRSD Maymont Lane Siphon Flushing Station	Commercial/Other Greenbelts	6/5/2019	None	None
11-002	Mosaic Park -PA0021 2651 Cypress., San Ramon	Park/OpenSpace	6/5/2019	2, 5	Adjust overspray and runoff, Replace broken rotor
03-122	MicroDental- Dublin, Ca	Commercial/Other Greenbelts	6/7/2019	1, 2, 4, 5	Removing hose bib, repairing break at meter, install sign, adjusting overspray, repairing leaks
08-030	Gale Ranch Middle School- Sports field Bollinger & Main Branch, San Ramon	School	6/11/2019	4, 5	Repair leaks/breaks, Adjust heads to minimize runoff
02-100	Extended Stay America	Commercial/Other Greenbelts	6/17/2019	1, 3, 5	sign on controllers, trim at advisory sign at entrance, adjusting heads that hit building adjust slope & trim
06-102	Dougherty Valley Community Center & Library	Commercial/Other Greenbelts	6/19/2019	2, 4, 5	Adjust to minimize overspray, runoff Repair leaks/breaks
15-031	Hexcel- 11711 Dublin Blvd.	Commercial/Other Greenbelts	6/19/2019	1, 2	Replace broken valve lid, adjust heads to decrease overspray, controllers need labels
06-107	Windemere Ranch Middle School- 11611 E. Branch., San Ramon	School	6/20/2019	3, 5	Adjust rotors from hitting drinking fountain and throttle down to minimize runoff fr overspray
07-121	Live Oak Elementary School- 5151 Sherwood Wy, San Ramon	School	6/20/2019	5	Adjust to minimize runoff
08-006	Plaza at Gale Ranch- San Ramon, Ca	Commercial/Other Greenbelts	6/20/2019	1, 2, 3, 4, 5	1-Trim bushes, replace 2-Overspray will be adjusted 3-Spraying on building 4-repairing breaks 5- due to leaks
15-012	Alameda County G.S.A Sewer Screw Washdown	Commercial/Other Greenbelts	6/21/2019	None	
03-125	Waterford Apartments- Dublin, Ca	Commercial/Other Greenbelts	6/24/2019	4	Caps on several drip lines need replacing - Stations 11 & 18. Replace broken sprinkler - Stations 34 & 35.
04-131	Hidden Hills Elementary School- Harcourt & Albion, San Ramon	School	6/27/2019	2, 4	Adjust heads from overshooting, repair leaks/breaks

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
06-122	Quail Run Elementary School- 400 Goldenbay Ave., San Ramon	School	6/27/2019	2, 4, 5	Adjust rotors to minimize runoff and overspray, Replace broken nozzle
12-012	Crossroads@Emerald Vista	Commercial/Other Greenbelts	6/27/2019	1, 2, 4, 5	Replacing signs, Adjusting overspray, Repairing breaks, Runoff due to breaks
07-111	Dublin Honda- Dublin, Ca07-	Commercial/Other Greenbelts	6/28/2019	2, 4, 5	Adjust overspray, Repair leaks/breaks and minimize runoff
15-021	Dublin Tech Center- 11820-11850 Dublin Blvd.	Commercial/Other Greenbelts	7/3/2019	1,2,5	Purchasing missing labels, making adjustments due to overspray, trim ivy to prevent runoff
16-015	Public Storage-7420 San Ramon Rd.	Commercial/Other Greenbelts	7/3/2019	1,2,3,5	Replace controller, adjust overspray & runoff, repair breaks
06-140	Camellia Place- Dublin Transite Site A2- Dublin	Streetscape/Median Greenbelts	7/10/2019	1,2,4,5	replace signs, repair knocked over sign, make adjustments and repairs
07-112	Dublin Ranch Eastern On-Site Drainage- Dublin, Ca	Commercial/Other Greenbelts	7/10/2019	1,4	replace label on sprinklers & controllers, repair sprinkler
02-112	Park Place - former SAP/Sybase (Harvest Properties), Dublin	Commercial/Other Greenbelts	7/12/2019	1,2,4,5	Replace signs, adjust overspray & runoff areas, repair leaks & breaks
13-003	Goddard School-San Ramon, Ca	School	7/17/2019	1, 2, 4	Move sign on Ivy Leaf Springs to driveway, Adjusting & repairing
07-103	Monarch Park- 8502 N. Monarch Rd., San Ramon	Park/OpenSpace	7/23/2019	2, 4, 5	Adjust to minimize runoff and overspray. Repair leaks/breaks
07-122	Dougherty Valley High School- San Ramon, Ca	School	7/25/2019	1, 2, 4	Install missing signs, Adjust to minimize runoff, Repair leaks/breaks
16-020	Bella Vista Elementary School (Dougherty Valley Elementary School)	School	7/25/2019	2	Adjustment done to minimize overspray and ponding
03-124	Westport Way Park (a.k.a) Dublin Green- Dublin, Ca	Park/OpenSpace	7/29/2019	4	Repair/replace leaks, breaks Station 1-broken solenoid - repairing after inspection
15-030	St. Raymond Church.-11555 Shannon Ave.	Commercial/Other Greenbelts	7/29/2019	1, 2, 4	Replacing tags/labels, Adjusting overspray, Investigating flooded area to determine cause

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
05-113	Valley View Park - Monarch & Star Jasmine, San Ramon	Park/OpenSpace	7/30/2019	1, 2, 4, 5	Install missing sign, Adjust overspray causing runoff, Repair leaks/breaks
15-007	JM Amador Elementary- 2100 E Cantara Dr. Dublin	School	7/31/2019	1, 2, 3, 4	Replacing signs, Adjusting heads, Making repairs
18-004	Dublin E5 School-Cottonwood Creek Elemenary School- 2400 Central Parkway	School	7/31/2019	2, 4	Making adjustments, Repairing
08-009	Fallon Middle School- 3601 Kohnen Way, Dublin, Ca	School	8/1/2019	1, 2, 4	Replacing faded and missing signs, Adjustments needed, Repairs
08-010	John Green Elementary School- Dublin, Ca	School	8/1/2019	2, 4	Making adjustments, Repairing
11-005	Kolb Elementary School- Dublin, Ca	School	8/1/2019	1, 2, 3, 4	Replacing signs, Adjustments, Repairs
12-010	Wells Middle School/Cronin Park- Dublin, Ca	School	8/7/2019	1, 2, 4	Replace irrigation controller, adjust overspray, repair breaks/leaks
12-011	Murray Elementary School- Dublin, Ca	School	8/7/2019	1, 2, 3, 4, 5	1-Replacing & trimming 2&3,5-Adjusting 4-Repair
16-004	Nielson Elementary School- 7500 Amarillo Rd.	School	8/7/2019	1, 2, 3, 4	1-Replace 2 & 3-Adjustments 4- Repair or replace
16-005	Dublin Elementary School- 7997 Vomac	School	8/7/2019	1, 2, 4	Install, replace, fix irrigation controller, adjust/repair overspray
06-133	Dougherty Elementary School- Dublin, Ca	School	8/8/2019	1, 2, 3, 4, 5	1-Replacing all signs 2 & 3 & 5- Adjusting 4-Repair or replace
13-005	Frederiksen Elementary School- Dublin, Ca	School	8/8/2019	2, 4	2-adjustments 4-repair
07-105	DSRSD Pump Station 300C (San Ramon)	Commercial/Other Greenbelts	8/9/2019	None	
11-008	DSRSD Pump Station 300B	Commercial/Other Greenbelts	8/9/2019	None	
FSL	FSL recycled water meters - LIC 06-138	Commercial/Other Greenbelts	8/9/2019	4, 5	Repair leaks/breaks to minimize runoff

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
14-009	Dublin High School- 8151 VILLAGE PKWY	School	8/12/2019	1, 2, 3, 4	Replace missing controller, adjustments
15-017	The Church of Jesus Christ of Latter-Day Saints (Mormon Church)	Commercial/Other Greenbelts	8/14/2019	1, 2, 3, 4, 5	1-trimming & install on controller, 2, 3, 5-make adjustments, 4-repair
07-009	Dublin Ranch Senior Apartments- Dublin, Ca	Commercial/Other Greenbelts	8/15/2019	1, 2, 4, 5	Replace faded signs, Adjust to minimize overspray, runoff, Repair leaks/breaks
07-007	San Ramon Sports Park- 5261 Sherwood Way, San Ramon	Park/OpenSpace	8/16/2019	2, 4, 5	Adjust to minimize overspray and runoff, Repair leaks/breaks
15-013	Alameda County G.S.A Santa Rita Jail	Commercial/Other Greenbelts	8/20/2019	2,3,4,5	Repair breaks and leaks to reduce runoff and overspray
14-021	Dublin Ranch Pedestrian Pathway	Park/OpenSpace	8/23/2019	1, 4	Install broken sign, repair leaks/breaks
15-009	Esprit At Dublin Station- 5584 Dublin Blvd.	Commercial/Other Greenbelts	8/27/2019	1, 4	Replace missing sign, Repair weeping valve and replace missing emitters
05-103	JPI Apartments (a.k.a Emerald Park Apts.)- Dublin, Ca	Commercial/Other Greenbelts	8/29/2019	1, 2, 3, 4, 5	1-Installing signs, 2,3,4,5 - Adjusting sprinklers, making repairs
15-027	Dublin Chevron- 7007 San Ramon Rd.	Commercial/Other Greenbelts	8/29/2019	5	Replace overspray popup
07-117	Dublin Ranch Golf HOA- Dublin, Ca	Commercial/Other Greenbelts	9/5/2019	1, 4, 5	Install missing signs, Repair leaks/breaks to minimize runoff
02-118	Avana Dublin Station (a.k.a Bel Brooks Apartments)	Commercial/Other Greenbelts	9/6/2019	3, 4, 5	Adjust overspray and direct spray, Repair breaks/leaks
07-008	Oak Grove at Dublin Ranch (a.k.a) Fairway Family Community, LP	Commercial/Other Greenbelts	9/6/2019	1, 2, 4	1- install signs, 2- make adjustments, 4- make repairs
02-117	Tassajara Creek Subdivision (Tassajara Ranch), Dublin	Homeowners Association	9/9/2019	1, 2, 4, 5	Install on controllers & trim, make adjustments and repairs
15-004	California Highway Patrol- 4999 Gleason Dr. Dublin	Commercial/Other Greenbelts	9/13/2019	5	Adjust to minimize runoff due to overspray
15-005	Alameda County G.S.A Animal Shelter 1248- 4595 Gleason Dr.	Commercial/Other Greenbelts	9/13/2019	4	Repair leaks/breaks

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
15-010	Alameda County G.S.A K-9 Training Area	Park/OpenSpace	9/13/2019	None	
15-011	Alameda County G.S.A Public Works	Commercial/Other Greenbelts	9/13/2019	1	Install RW signs
15-026	Dublin Blvd. Associates- 11555 Dublin Blvd.	Commercial/Other Greenbelts	9/17/2019	2, 4, 5	Adjust to minimize overspray, repair leaks/breaks
08-014	BART Parking Structure -Dublin, Ca	Commercial/Other Greenbelts	9/18/2019	4	Repair leaks/breaks
09-002	Elan @ Dublin Station- Dublin, Ca	Commercial/Other Greenbelts	9/18/2019	1, 2, 3, 4	faded signs, missing on controller,adjust for overspray, hitting building, repair breaks
07-118	Pinnacle at Dublin Ranch Golf- Dublin, Ca	Commercial/Other Greenbelts	9/19/2019	2, 4, 5	Adjust to minize overspray, runoff, Repair leaks/breaks
07-115	Dublin Ranch Area F-2 (Verona)- Dublin, Ca	Commercial/Other Greenbelts	9/26/2019	2, 4, 5	Adjust
07-104	Dublin Gateway Medical Center- Dublin	Commercial/Other Greenbelts	10/3/2019	4, 5	Adjust ro minimize runoff, Repair leaks/breaks
05-145	Dublin Corners- Dublin, Ca	Commercial/Other Greenbelts	10/8/2019	4, 5	Adjust overspray, repair leaks/breaks
04-102	Bellingham Square Park- San Ramon	Park/OpenSpace	10/10/2019	4	Repair leaks/breaks
06-137	Diablo Valley College- San Ramon, Ca	School	10/11/2019	4, 5	repair breaks/leaks, adjust overspray
15-025	Shell Gas Station- 11989 Dublin Blvd.	Commercial/Other Greenbelts	10/17/2019	None	N/A
16-010	Kildara Homeowners Association	Homeowners Association	10/17/2019	1, 2, 3, 4, 5	Install missing sign, make adjustments, repair leaks and breaks
12-009	Kolb Park- Dublin, Ca	Park/OpenSpace	10/22/2019	2, 3, 4	Adjustmens and repairs
15-015	Amador Valley Blvd. Median- Village Parkway to San Ramon Rd.	Streetscape/Median Greenbelts	10/22/2019	1, 2, 4, 5	replace signs, make adjustments, make repairs
07-006	Dougherty Hills Dog Park	Park/OpenSpace	10/23/2019	1, 2, 3, 4	Replace signs, adjust overspray, repair leaks/breaks
15-028	Mape Park- 11711 Mape Way	Park/OpenSpace	10/23/2019	1, 2, 3, 4, 5	Install label, Adjust and repair overspray and leaks

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
16-013	Shannon Park- 11600 Shannon Ave.	Park/OpenSpace	10/23/2019	2, 3, 4, 5	Adjust overspray, repair breaks/leaks
15-014	Dublin Senior Center- 7600 Amador Valley Blvd.	Commercial/Other Greenbelts	10/29/2019	1, 2, 4	Trim bushes, adjust overspray, repair leaks
15-018	Dublin Fire Station #16- 7494 Donohue Dr.	Commercial/Other Greenbelts	10/29/2019	1, 2, 4	Controller needs label, adjust overspray, repair breaks
16-003	Dolan park- 11651 Padre Way	Park/OpenSpace	10/29/2019	1, 2, 3, 4	Install labels, adjust overspray, repair leaks/breaks
16-014	Shannon Community Center- 11600 Shannon Ave.	Commercial/Other Greenbelts	10/29/2019	1, 2, 4	Install label, adjust heads, repair breaks
08-020	Dublin Neighborhood Square Park (Devaney Park)	Park/OpenSpace	10/30/2019	1, 2, 4	Label controller, adjust overspray, repair breaks
15-020	Dublin Historic/Heritage Park- 11759 Dublin Blvd.	Commercial/Other Greenbelts	10/30/2019	2, 3, 4, 5	Adjust/repair leaks
15-024	Dublin Pioneer Cemetery	Park/OpenSpace	10/30/2019	1	Label controller
02-110	Dublin Sports Ground- 6700 Dublin Blvd	Park/OpenSpace	10/31/2019	1, 2, 3, 4	Label controller, Adjust overspray and runoff, repair breaks and leaks
08-005	Area F-Park (Piazza Sorrento Park)	Park/OpenSpace	10/31/2019	1, 2, 3, 4, 5	Controller label needed, adjustments made, repair breaks/leaks
13-009	Passatempo Park-3150 Palermo Way, Dublin	Park/OpenSpace	10/31/2019	1, 2, 4, 5	Label controller, adjust overspray, repair breaks
04-133	Bray Commons Park- 3300 Finnian Way	Park/OpenSpace	11/5/2019	1, 2, 4	label controller, adjust overspray, repair breaks/leaks
13-002	Positano Hills Park- Dublin	Park/OpenSpace	11/5/2019	1, 2, 4	install sign and label, adjust overspray, repair break/leaks
07-119	Ted Fairfield Park- 3400 Antone Way, Dublin	Park/OpenSpace	11/6/2019	1, 2, 4, 5	label controller, adjust overspray and repair leaks

Violation Codes: **1 - signs/valve tags missing** **2 - ponding/overspray** **3 - direct spray** **4 - leaks/breaks** **5 - runoff** **6 - cross connection**

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
11-003	Fallon Gateway Offsite- 2800 Dublin Blvd. Dublin	Streetscape/Median Greenbelts	11/6/2019	1, 4	label controller, repair breaks/leaks
12-008	Stagecoach Park- Dublin, Ca	Park/OpenSpace	11/6/2019	1, 2, 5	label ontroller and replace lid, adjust overspray, repair breaks/leaks
08-031	Fallon Village Offsite-Positano Parkway- Dublin, Ca	Streetscape/Median Greenbelts	11/13/2019	1, 2, 3, 4, 5	Replace faded signs, repair leaks/breaks, adjust overspray
13-008	Fallon Village Phase 2 Backbone (Village D)- HOA	Streetscape/Median Greenbelts	11/13/2019	1, 2, 3, 4, 5	Replace faded signs, repair leaks/breaks, adjsut overspray
14-004	Fallon Village Phase 2 Backbone - GHAD	Park/OpenSpace	11/13/2019	1, 2, 3, 4, 5	Replace faded signs, repair leaks/breaks, adjust overspray
05-108	Cornerstone Apartments- San Ramon, Ca	Commercial/Other Greenbelts	11/19/2019	1, 2, 4, 5	Install missing valve tags, faded signs. Adjust overspray, repair leaks/breaks
15-029	Frankie Johnnie & Luigi Too- 11981 Dublin Blvd.	Commercial/Other Greenbelts	11/21/2019	4, 5	Repair leaks/breaks causing runoff
16-001	Challenge Dairy- Heritage Park Office Building	Commercial/Other Greenbelts	11/21/2019	4	Repair leaks/breaks
16-008	Church of Christ- 11873 Dublin Blvd.	Commercial/Other Greenbelts	11/21/2019	None	None
04-128	Dublin Fire Station #18 - Fallon Rd.	Commercial/Other Greenbelts	11/26/2019	1, 2, 4, 5	Install sign, adjust overspray, repair breaks/leaks
12-007	Alamo Creek Park- Dublin, Ca	Park/OpenSpace	11/26/2019	1, 2, 4, 5	Replace signs, Repair breaks and leaks, adjust overspray and runoff
17-006	PA 0042 & PA 0044- Mosaic Linear Park 1365 Bayberry View Ln.	Park/OpenSpace	11/26/2019	1, 2, 4	Install label, adjust overspray, repair breaks/leaks
17-007	PA 0043 Linear Park- 5051 Rowen Dr. San Ramon	Park/OpenSpace	11/26/2019	1, 2, 4	Install label, adjust overspray, repair leaks/breaks
12-004	BJ's Restaurant and Brewhouse, 3620 Fallon Road, Dublin, CA	Commercial/Other Greenbelts	12/17/2019	4	Repair break

Violation Codes: 1 - signs/valve tags missing 2 - ponding/overspray 3 - direct spray 4 - leaks/breaks 5 - runoff 6 - cross connection

**Attachment E - Table 5
Summary of Violations Found During Site Inspections and Corrective Actions Taken**

License No.	Recycled Water Users	Site Application	Date Inspected	Violations	Corrective Actions Taken
12-003	Hacienda Crossings -Dublin, CA	Commercial/Other Greenbelts	12/23/2019	1,2,4,5	Adjust to minimize runoff from overspray, repair leaks/breaks, replace missing purple caps

Violation Codes: 1 - signs/valve tags missing 2 - ponding/overspray 3 - direct spray 4 - leaks/breaks 5 - runoff 6 - cross connection

Attachment F

EBMUD Recycled Water Customer Information and Compliance Summary

- Table 1 - Tabular Summary of Recycled Water Use by Billing Period by Each User
- Table 2 - Results from Users' Self-Monitoring Reports
- Table 3 - Summary of Violations Found During Site Inspections and Corrective Actions Taken

**San Ramon Valley Recycled Water Program
2019 Monthly Recycled Water Use
EBMUD Irrigation Customers**

33	Toyota Motor Sales USA	2451 Bishop Dr.	6033342	26214302	R200	5/4/18	159	15	354	648	1,371	1,963	2,334	2,503	2,457	2,560	858	377	15,599	11.67
34	Bishop Ranch 11	2301 Camino Ramon	6033984	27423512	R200	8/2/18	56	60	66	269	304	613	630	592	553	443	377	48	4,011	3.00
35	Valacal Company (UPS)	4500 Norris Canyon Rd.	6033341	42721843	R200	9/17/18	137	271	300	623	670	713	728	605	551	336	298	127	5,359	4.01
36	Bishop Ranch City Center	6000 Bollinger Canyon Rd.	6039389	59378862	R200	12/19/18	112	36	220	376	419	434	749	915	583	421	136	55	4,456	3.33
37	Bishop Ranch 1	6101 Bollinger Canyon Rd.	6041360	52220283	R200	2/22/19		1	497	929	1,339	1,639	2,099	2,322	1,664	1,370	475	223	12,558	9.39
38	Bishop Ranch 6	2410 / 2420 / 2440 Camino Ramon	6033980	30592939	R200	3/7/19			282	420	451	781	806	790	739	591	497	11	5,368	4.02
			6033981	99291696					18	172	199	464	481	507	458	255	214	1	2,769	2.07
			6032480	51833047					14	26	20	13	5	0	0	0	0	0	0	78
39	Caltrans - Greenbelt	2100 / 2110 Bishop Dr.	6047328	83109971	R200	4/18/19			33	86	83	92	187	126	98	35	17	757	0.57	
			6047329	66067204					31	81	79	80	68	24	0	0	0	0	363	0.27
40	Granada Sales Inc. - Service Center	2453 Camino Ramon	6033983	58842612	R200	4/25/19			8	48	63	63	44	49	98	82	0	455	0.34	
41	SRV PG&E Conference Center	3301 Crow Canyon Road	6033988	23211303	R200	6/12/19						505	860	731	663	387	330	47	3,523	2.64
42	Town of Danville Streetscape	2151 El Capitan Dr.	6047337	26470250	R200	7/12/19							46	76	63	63	20	19	287	0.21
43	San Ramon Veterinary Center	2000 Bishop Dr.	6047327	52416881	R200	8/9/19								149	197	161	137	17	661	0.49
R200 Subtotal							2,000	1,114	6,823	21,780	30,521	50,995	56,490	57,523	48,038	34,426	20,804	3,932	334,446	250.17
Total (CCF)							2,317	1,243	7,817	26,670	39,256	67,208	74,440	75,415	63,470	43,826	26,567	4,866	433,095	323.96
Total (MG)							1.73	0.93	5.85	19.95	29.36	50.27	55.68	56.41	47.48	32.78	19.87	3.64	323.96	

**2019 San Ramon Valley Recycled Water Customers Self Monitoring Reports
Summary**

Customer	Sites	Address	01/01/2019 - 06/30/2019	07/01/2019 - 12/31/2019	SMR Notes & Repairs
Town of Danville	Greenbelt - El Capitan	2151 El Capitan Drive	New	x	
Bridges Golf Course	Clubhouse	9002S. Gale Ridge Road	X	X	
Bridges Golf Course	Driving Range	9021 S. Gale Ridge Road	X	X	
Bridges Golf Course	Golf Course	10503 Bollinger Canyon Road	X	X	
Bridges Golf Course	Golf Course	10505 Bollinger Canyon Road	X	X	
Cedar Bridge HOA	Cedar Bridge HOA	8850 N. Gale Ridge Road	X	X	
Chevron USA	Chevron Park	6001 Bollinger Canyon Road	X	X	
San Ramon City - Greenbelt	Alisma/ 113 S. Chanterella	90 Alisma Court	X	X	
San Ramon City - Greenbelt	Aspenwood	200 Aspenwood Court	X	X	
San Ramon City - Greenbelt	Belle Meade	9098 Alcosta Boulevard	X	X	
San Ramon City - Greenbelt	Bent Creek 1 & 2	465 Old Ranch Road	X	X	
San Ramon City - Greenbelt	Bollinger Canyon Road	7301 Bollinger Canyon Road	X	X	
San Ramon City - Greenbelt	Bollinger Canyon Road	10003 Bollinger Canyon Road	X	X	
San Ramon City - Greenbelt	Bollinger Canyon Road	10501 Bollinger Canyon Road	X	X	
San Ramon City - Greenbelt	Fallen Leaf Circle	581 Fallen Leaf Circle	X	X	
San Ramon City - Greenbelt	Lilac Ridge	5101 Lilac Ridge Road	X	X	
San Ramon City - Greenbelt	N. Chantarella	3073 N. Chanterella Drive	X	X	
San Ramon City - Greenbelt	N. Chantarella	3100 N. Chanterella Drive	X	X	
San Ramon City - Greenbelt	N. Gale Ridge Road	8709 N. Gale Ridge Road	X	X	
San Ramon City - Greenbelt	N. Gale Ridge Road	8901 N. Gale Ridge Road	X	X	
San Ramon City - Greenbelt	N. Gale Ridge Road	8988 N. Gale Ridge Road	X	X	
San Ramon City - Greenbelt	N. Gale Ridge Road	8998 N. Gale Ridge Road	X	X	
San Ramon City - Greenbelt	S. Gale Ridge Road	9052 S. Gale Ridge Road	X	X	
San Ramon City - Greenbelt	Shavano 1 & 2	296 Shavano Way	X	X	
San Ramon City - Greenbelt	Stage Coach at Alcosta	9275 Alcosta Boulevard	X	X	
San Ramon City - Greenbelt	Stoney Creek 1, 2 & 3 @ Springbrook & Old Ranch	700 Stoney Creek Drive	X	X	
San Ramon City - Greenbelt	Stoney Creek 1, 2 & 3 @ Springbrook & Old Ranch	1042 Stoney Creek Drive	X	X	
San Ramon City - Greenbelt	Summit View @ Old Ranch	3022 Summit View Drive	X	X	
San Ramon City - Greenbelt	Summit View @ Sunridge	4000 Summit View Drive	X	X	
San Ramon City - Greenbelt	Village Parkway	9101 Alcosta Boulevard	X	X	
San Ramon City - Park	Athan Downs	2964 Ascot Drive	X	X	
San Ramon City - Park	Boone Acres	9714 Davona Drive	X	X	
San Ramon City - Park	Central	12501 Alcosta Boulevard	X	X	
San Ramon City - Park	Central	6640 Bollinger Canyon Road	X	X	
San Ramon City - Park	Coyote Crossing	4348 Sweetgale Drive	X	X	
San Ramon City - Park	Inverness	2961 Ascot Drive	X	X	
San Ramon City - Park	Inverness	555 Burns Circle	X	X	
San Ramon City - Park	Inverness	625 Lomond Circle	X	X	
San Ramon City - Park	Senior Center Park and Gardens	9300 Alcosta Boulevard	X	X	
San Ramon City - Park	Village Green	232 Triana Way	X	X	
San Ramon City - Park	Windy Hills	1236 Ustilago Drive	X	X	
San Ramon City - School	California High (City-managed property)	9870 Broadmoor Drive	X	X	
San Ramon City - School	California High (SRVUSD-managed property)	9870 Broadmoor Drive	X	X	
San Ramon City - School	Country Club (City-managed property)	7534 Blue Fox Way	X	X	
San Ramon City - School	Country Club (SRVUSD-managed property)	7534 Blue Fox Way	X	X	
San Ramon City - School	Coyote Creek (City-managed property)	8700 N. Gale Ridge Road	X	X	
San Ramon City - School	Coyote Creek (SRVUSD-managed property)	8700 N. Gale Ridge Road	X	X	
San Ramon City - School	Iron Horse Middle School	12617 Alcosta Boulevard	X	X	
San Ramon City - School	Montevideo (City-managed property)	13000 Broadmoor Drive	X	X	
San Ramon City - School	Montevideo (SRVUSD-managed property)	13000 Broadmoor Drive	X	X	
San Ramon City - School	Neil Armstrong (City-managed property)	2849 Calais Drive	X	X	
San Ramon City - School	Neil Armstrong (SRVUSD-managed property)	2849 Calais Drive	X	X	
San Ramon City - School	Pine Valley (City-managed property)	3000 Pine Valley Road	X	X	
San Ramon City - School	Pine Valley (SRVUSD-managed property)	3000 Pine Valley Road	X	X	
San Ramon City - School	Walt Disney Elementary (City-managed property)	3250 Pine Valley Road	X	X	
San Ramon City - School	Walt Disney (SRVUSD-managed property)	3250 Pine Valley Road	X	X	
San Ramon City - Trailhead	Cross Valley Trail	9730 Davona Drive	X	X	
San Ramon City - Trailhead	Montevideo/Pine Valley	3351 Bollinger Canyon Road	X	X	
San Ramon City - Trailhead	Montevideo/Pine Valley	3200 Montevideo Drive	X	X	
San Ramon City - Trailhead	Montevideo/Pine Valley	3201 Montevideo Drive	X	X	
Easthampton HOA	Easthampton HOA	2 Elmwood Drive	X	X	Basic repairs - broken pop ups, nozzles, and rebuilt valve
PG&E	San Ramon Valley Conference Center	3301 Crow Canyon Road	New	X	
ROIC California, LLC	Country Club Village Shopping Center	9142 Alcosta Boulevard	X	X	Several sprinklers replaced
Sunrise Villa San Ramon - Vintage Senior	Villa San Ramon Senior Living Center	9199 Fircrest Lane	X	X	Fixed water valve by garden place grass area
The Seasons Apartments	The Seasons Apartments	9003 Kimball Avenue	X	X	
Toyota Motor Dist Inc.	Toyota Regional Office - San Ramon	2451 Bishop Drive	X	X	
UPS	UPS Customer Center	4500 Norris Canyon Road	X	X	
Vintner HOA	Vintner HOA	9005 Alcosta Boulevard	X	X	
Sunset Land Development Co.	Bishop Ranch 2600 (Executive Parkway)	2600Camino Ramon	X	X	3 broken qvcs approx. 1500 gal total. All repaired in timely fashion and operating correctly. 3 separate cracks/breaks and fittings
Sunset Land Development Co.	Bishop Ranch 2600 (Camino Ramon)	2600 Camino Ramon	X	X	
Sunset Land Development Co.	Bishop Ranch 2600 (Bishop Drive)	2600 Camino Ramon	X	X	

**2019 San Ramon Valley Recycled Water Customers Self Monitoring Reports
Summary**

Sunset Land Development Co.	Bishop Ranch 8	2503 Bishop Drive	X	X	several minor lateral line breaks. Repaired a couple sprinkler heads.
Sunset Land Development Co.	Bishop Ranch 8	3000 Executive Parkway	X	X	
Sunset Land Development Co.	Bishop Ranch 8	3080 Executive Parkway	X	X	
Sunset Land Development Co.	Bishop Ranch 8	4000 Executive Parkway	X	X	
Sunset Land Development Co.	Bishop Ranch 15	12677 Alcosta Boulevard	X	X	Fixed a couple sprinkler heads
Sunset Land Development Co.	Greenbelt - Camino Ramon	2665 Camino Ramon	X	X	Leaking valve replaced
Sunset Land Development Co.	Bishop Ranch 11	2301 Camino Ramon	X	X	replaced a few sprinklers and valves
Sunset Land Development Co.	Bishop Ranch City Center	6000 Bollinger Canyon Road	X	X	broken nipple at valve 100 gal broken 90 at valve 1000 gal broken qvc 2000 gal broken fitting at meter 300 gal
Sunset Land Development Co.	Bishop Ranch 1	6101 Bollinger Canyon Road	X	X	6 QCVs repaired from Brightview lightening
Sunset Land Development Co.	Bishop Ranch 6	2410 Camino Ramon	New	X	replaced a few broken sprinklers
Sunset Land Development Co.	Bishop Ranch 6	2420 Camino Ramon	New	X	
Sunset Land Development Co.	Bishop Ranch 6 (Executive Parkway)	2440 Camino Ramon	New	X	
Sunset Land Development Co.	Sunset Development Service Center	2453 Camino Ramon	New	X	
Sunset Land Development Co.	Greenbelt - Bollinger Canyon Road	6391 Bollinger Canyon Road	New	X	Fixed a number of subsurface irrigation breaks
Bishop Ranch Veterinary Center	Bishop Ranch Veterinary Center	2000 Bishop Drive	New	X	

**San Ramon Valley Recycled Water Program
EBMUD Recycled Water Use Customers
Irrigation Site Location**

Attachment F - Table 3

Service	Site Name	Service Address	In-Service Date	Date of Annual Inspection	Observations From Annual Inspection
5057565	San Ramon, City of - greenbelt	1042 Stoney Creek	3/16/06	10/10/2019	ok
5057566	San Ramon, City of - greenbelt	4000 Summit View Dr.	3/16/06	11/12/2019*	sign, tag, label exposed pipe, QC type
5057567	San Ramon, City of - greenbelt	3022 Summit View	3/16/06	11/12/2019*	ponding
5057568	San Ramon, City of - greenbelt	465 Old Ranch Rd.	3/16/06	10/10/2019*	sign
5057569	Cedar Bridge HOA	8850 N Gale Ridge Rd.	2/15/06	10/23/2019*	tag
5057570	ROIC California, LLC	9142 Alcosta Blvd.	4/10/06	11/4/2019*	trim/uncover, tag
5057677	East Hampton HOA	2 Elmwood	4/10/06	11/4/2019*	reinstall sign
5058597	SRVUSD/City of SR - Coyote Creek Sch	8700 N Gale Ridge Rd.	1/16/06	11/21/2019*	signs, tags/labels, trim/uncover, sticker on control box,
5058598	San Ramon, City of - Shapell Greenbelt	8709 N Gale Ridge Rd.	2/9/06	10/9/2019*	tags/labels
5058599	San Ramon, City of - greenbelt	8901 N Gale Ridge Rd.	2/9/06	10/11/2019*	signs, trim/uncover
5058600	San Ramon, City of - greenbelt	8988 N Gale Ridge Rd.	2/15/06	10/11/2019*	ponding, flooded box
5058601	San Ramon, City of - greenbelt	8998 N Gale Ridge Rd.	2/15/06	10/11/2019*	sign, tag, trim, runoff
5058850	Shapell Industries - Golf Course Clubhouse	9002 S Gale Ridge Rd.	2/15/06	10/11/2019*	signs, ponding/runoff, tag, label, trim
5058851	San Ramon, City of - Inverness Park	555 Burns Cir.	3/9/06	10/14/2019*	BF device needs purple, and/or sticker on cover
5058852	San Ramon, City of - Inverness Park	625 Lemond Cir.	3/9/06	10/14/2019*	BF device needs purple, and/or sticker on cover
5058853	San Ramon, City of - Inverness Park	2961 Ascot Dr.	3/9/06	10/14/2019*	BF device needs purple, and/or sticker on cover
5058920	Vintage Senior Mgmt	9199 Fircrest Lane	11/3/06	11/4/2019*	ponding/overwatering/, trim uncover, tag, cover, potable tag
5058921	Shapell Industries - Driving Range	9021 S Gale Ridge Rd.	7/6/06	9/19/2019*	ponding, hose bib on wye filter, flooded valve boxes
5058922	San Ramon, City of - Village Green Park	232 Triana Way	3/16/06	11/5/2019*	signs, tags/labels, overwatering
5058923	San Ramon, City of - Boone Acres Park	9714 Davona Dr.	9/12/07	11/5/2019*	signs, tag
5059188	San Ramon, City of - greenbelt	700 Stoney Creek	3/16/06	11/12/2019*	sign, tag, label exposed pipe
5059276	San Ramon, City of - greenbelt	296 Shavano	4/10/06	11/5/2019*	label, trim/uncover
5059277	San Ramon, City of - greenbelt	9098 Alcosta	3/15/06	10/22/2019*	runoff, trim/uncover
5059278	San Ramon, City of - greenbelt	9275 Alcosta	3/21/06	10/22/2019*	tags, trim/uncover, broken sprinkler head
5059279	San Ramon, City of - Sr Center Park & Grdns	9300 Alcosta Blvd.	6/15/09	11/15/2019*	signs, overwatering, trim, HB vacuum brkr/pot tags, exposed piping
5059280	The Seasons Apartments	9003 Kimball Ave.	8/4/06	10/22/2019*	sign, ponding, tags/labels, pw tags, hose bib vbs, broken box
5059285	SRVUSD/City of SR - Country Club Sch/Park	7534 Blue Fox Way	6/9/06	10/5/2019*	signs, tag, trim/uncover
5059286	SRVUSD/City of SR - Montevideo Sch/Park	13000 Broadmoor Dr.	4/12/06	10/15/2019*	ponding, tags/labels, trim
5059597	San Ramon, City of - greenbelt	10501 Bollinger Canyon Rd.	5/24/06	10/23/2019*	signs
5059621	Shapell Industries - Golf Course	10503 Bollinger Canyon Rd.	12/12/06	12/30/2019*	signs, ponding, trim/uncover, covers, tag/label
5059629	Shapell Industries - Golf Course	10505 Bollinger Canyon Rd.	12/12/06	12/30/2019*	signs, ponding, trim/uncover, covers, tag/label
5060004	Chevron	6001 Bollinger Canyon Rd.	8/1/10	12/17/2019*	trim/uncover, label, change qc, leaking sprinkler head
5060005	SRVUSD - California High School	9870 Broadmoor Dr.	8/31/06	10/7/2019*	sign, label, tags, hose-bib vacuume breakers, tape piping
5060006	San Ramon, City of-greenbelt	9101 Alcosta Blvd.	8/24/06	11/14/2019*	covers, tag
5060550	SRVUSD/City of SR-Walt Disney Sch/Park	3250 Pine Valley Rd.	5/16/11	11/26/2019*	sign, tags
5060905	San Ramon, City of - greenbelt	3201 Montevideo Drive	11/8/06	12/3/2019	ok
5060906	San Ramon, City of - greenbelt	3200 Montevideo Drive	11/8/06	12/3/2019	ok
5060907	San Ramon, City of - Athan Downs Park	2964 Ascot Dr.	3/7/07	11/26/2019*	signs, labels/tags, h-b vb, label-paint backflow
5060982	Vintner HOA	9005 Alcosta Blvd.	5/2/07	11/26/2019*	ponding/leak, tags/install hose-bibb vacuum breaker, pot tags
5061113	San Ramon, City of - greenbelt	3351 Bollinger Canyon Rd.	2/20/07	11/18/2019	ok
5065372	SRVUSD/City of SR-Pine Valley Mid Sch/Park	3000 Pine Valley Rd.	4/22/11	11/25/2019*	signs, tags/labels, run off, PW tag on HB-VB
5065419	SRVUSD/City of SR-Neil Armstrong Sch/Park	2849 Calais Dr.	5/14/11	12/3/2019*	ponding, tag/labels, hb-vb
6025440	San Ramon, City of - Iron Horse Park	12601 Alcosta Blvd	10/21/16	10/15/2019*	sign, tag
6025442	Bishop Ranch 15	12677 Alcosta Blvd #REC	10/27/17	10/17/2019*	trim/uncover
6025460	SRVUSD/City of SR - Iron Horse Mid Sch/Park	12617 Alcosta Blvd.	9/7/16	10/15/2019*	sign, tags, trim/uncover, pot tags
6026600	CR 2600 LLC(AT&T) - Bishop Dr	2600 Camino Ramon	10/20/17	10/29/2019*	signs, trim/uncover
6032481	Bishop Dr/Executive Pkwy greenbelt	3080 Executive Pkwy	2/16/18	10/8/2019*	labels
6032482	Bishop Ranch 8	3000 Executive Pkwy	1/10/18	10/10/2019*	tags/labels, uncover
6032483	Bishop Ranch 8	4000 Executive Pkwy	1/10/18	10/10/2019*	tags/labels, uncover
6032980	Bishop Ranch 8	2503 Bishop Dr	1/10/18	10/10/2019*	tags/labels, uncover
6032480-60	Bishop Ranch 6	2410/20/30/40 Camino Ramon	4/4/19**		Initial test ok
6032484	CR 2600 LLC(AT&T) - Executive Pkwy	2600 Camino Ramon	10/20/17	10/29/2019*	signs, trim/uncover
6032485	BR 8 - Granada Sales Greenbelt	2665 Camino Ramon @REC	5/3/18	10/8/2019*	sign, flooded box
6032520	CR 2600 LLC(AT&T) - Camino Ramon	2600 Camino Ramon	10/20/17	10/29/2019*	signs, trim/uncover
6033341	Valacal Co. (UPS)	4500 Norris Canyon Rd.	8/29/18	10/7/2019*	tag & label
6033342	Toyota Motor Dist Inc	2451 Bishop Dr	5/4/18	10/23/2019*	sign, ponding, tag/label, pw tag
6033983	BR Sunset Service Yard	2453 Camino Ramon	4/25/19**		Initial test ok
6033984	Bishop Ranch 11	2301 Camino Ramon	8/2/18	10/17/2019*	overwatering, poss-leak, label,
6033988	PG&E Conference Campus	3301 Crow Canyon Rd	5/28/19**		Initial test ok
6034260	San Ramon, City of - Central Park	6640 Bollinger Canyon Rd	11/28/16	10/8/2019*	missing - sign, tags/labels; ponding
6037780	San Ramon, City of - greenbelt	7301 Bollinger Canyon Rd	11/28/17	12/3/2019*	signs, labels
6037781	San Ramon, City of - greenbelt	9052 S Gale Ridge Rd	7/28/17	10/7/2019*	tag
6037782	San Ramon, City of - greenbelt	5101 Lilac Ridge RD #REC	11/9/17	11/15/2019*	signs, label, trim/uncover

**San Ramon Valley Recycled Water Program
EBMUD Recycled Water Use Customers
Irrigation Site Location**

6037783	San Ramon, City of - greenbelt	90 Alisma Ct	4/13/17	11/18/2019*	QC cover, trim uncover, label/sticker pump box and pipes
6037800	San Ramon, City of - greenbelt	200 Aspenwood Ct	9/28/17	11/18/2019*	pw - lock out, can site for - overwatering, label/tag
6037801	San Ramon, City of - greenbelt	10003 Bollinger Canyon Rd	11/29/17	12/2/2019*	sign, label
6037802	San Ramon, City of - greenbelt	3100 N Chanterella Dr	4/13/17	11/15/2019*	cover, labels, tag, exposed piping
6037803	San Ramon, City of - Coyote Crossing Park	4348 Sweetgale Dr	6/30/17	11/21/2019*	sign, trim/uncover, sticker on pump box
6039389	City Center - Bishop Ranch	6000 Bollinger Canyon Rd	12/19/18	12/24/2019	ok
6041360	Bishop Ranch 1	6101/11/21 Bollinger Canyon R	2/22/19**		initial test ok
6047327	Bishop Ranch Veterinary Center	2000 Bishop Dr.	8/3/19**		initial test failed-follow up inspection good
6047331	San Ramon, City of - greenbelt	3585 Crow Canyon Rd.	11/1/19**		Initial test ok
6047337	Town of Danville - greenbelt	2151 El Capitan Dr.	7/12/19**		initial test ok
6047328/29	CalTrans I-680 - greenbelt	2100 Bishop Dr.	4/9/19**		Initial test ok
61026145	San Ramon, City of - greenbelt	9730 Davona Dr	8/6/12	11/14/2019	ok
6011581	San Ramon, City of - Windy Hills Park & Streets	1236 Ustilago Dr	12/3/13	11/25/2019*	run off, RW label on pump box
00591369	San Ramon, City of - greenbelt	3073 N Chanterella Dr	12/3/13	10/9/2019*	tag, labels, flooded box
06450873	San Ramon, City of - greenbelt	581 Fallen Leaf Cir.	11/22/11	12/2/2019*	signs, tag, new drawing needed, shutdown test to be scheduled

**This site has been in-service for less than 1 year. The annual inspection will be scheduled to occur within 1 year of the in-service day.

*Customer has been notified to correct the problem.

Adequate posting of warning signs or notices to inform the public of the use of recycled water for irrigation.

- Evidence of direct spraying of recycled water on people, dwellings, food-handling facilities, or drinking fountains.
- Evidence of leaks or breaks in the irrigation system pipelines, tubing, drip irrigation, sprinkler emitters, or in the recycled water storage impoundment.
- Evidence of prolonged ponding of recycled water in the irrigation site as a result of excessive spray.
- Evidence of recycled water escaping any irrigation site and/or surface impoundment through surface runoff or airborne spray.
- Inspections included the following:
 - Maintenance of the required buffer distance from areas to be protected.
 - Odors of recycled water origin. Note source, characterization, and travel distance of odors.

Attachment G Contact Information

Jeff Carson	Operations Manager Office: 925-875-2345
Dan McIntyre	Dan McIntyre, General Manager Office: 925-875-2200
Judy Zavadil	District Engineer Office: 875-2272
Stefanie Olson	Customer Permitting and Inspection Office: 925-875-2245
Dan Martin	Recycled Water Distribution Supervisor Office: 925-875-2367
On-Call Distribution Operator	Distribution Emergency Operator Primary: 925-872-5890 Backup: 925-872-5889
Levi Fuller	Recycled Water Treatment Supervisor Office: 925-875-2300
Virgil Sevilla and Aaron Castro	Treatment Plant Process Leads Virgil: 925-875-2317 Aaron: 925-875-2305
On-Duty Treatment Plant Operator	Treatment Emergency Operator Primary: 925-519-0557 Backup: 925-872-5887
John Rossi	DERWA Authority Manager Office: 951-201-1524