

POMONA WATER RECLAMATION PLANT

Reuse Annual Monitoring Report

2018

Order Nos. 81-34 & 97-072

Monitoring & Reporting Program No. 6241



**Pomona Water Reclamation Plant
Reuse Annual Monitoring Report**

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Joint Outfall System

Copies of this report are publically accessible on the State Water Resources Control Board California Integrated Water Quality System (CIWQS) website. For additional information on this report or this treatment plant, the following individuals can be contacted:

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Chapter 1. Permit Compliance and Recycled Water Use Report

1.1 Introduction

The Pomona Water Reclamation Plant (WRP), a wastewater treatment plant located at 295 Humane Way, Pomona, California, is owned and operated by the Joint Outfall System¹ of the Sanitation Districts of Los Angeles County (Sanitation Districts). This report is the 2018 annual report for non-potable use of disinfected tertiary-treated recycled water produced at the Pomona WRP under a permit addressing water reclamation requirements (WRRs). Pomona WRP discharge is also covered by two other permits: a National Pollutant Discharge Elimination System (NPDES) permit (with waste discharge requirements) and a permit addressing WRRs for groundwater recharge activities at the Montebello Forebay. The annual report for the NPDES permit is published separately from this reuse report; however, many of the figures and tables are the same for both reports. The annual report for the groundwater recharge permit is also published separately, following the end of the water year (September 30).

1.2 Reuse Permit

Water Reclamation and Monitoring and Reporting Requirements

WRRs for the Pomona WRP are contained in Board Order No. 81-34, adopted July 27, 1981, by the California Regional Water Quality Board, Los Angeles Region (Regional Board). These requirements were re-adopted on May 12, 1997, in Board Order No. 97-072.

Monitoring and reporting requirements for the Pomona WRP are contained in Monitoring and Reporting Program (MRP) No. 6241, ordered July 27, 1981, by the Executive Officer of the Regional Board.

Compliance

Recycled Water Chloride

In 2018, the daily maximum chloride limit of 150 mg/L was exceeded in recycled water samples collected from the Pomona WRP on the occasions summarized in Table 1.1 below:

Table 1.1
Incidents of Pomona WRP Recycled Water Chloride above 150 mg/L

Sampling Date	Recycled Water Chloride Concentration (mg/L)
August 7	153
October 2	155
November 6	158
December 4	152

Chloride loadings to the Pomona WRP come from residential sources, industrial sources, chemicals added during wastewater treatment, and water supplied to the community. Plant operation was normal at the time of the exceedances and the salt loadings from the wastewater treatment processes were within typical levels. Therefore, chemicals added during wastewater treatment were not the cause of increased chloride

¹ Ownership and operation of the Joint Outfall System is proportionally shared among the signatory parties to the amended Joint Outfall Agreement effective July 1, 1995. These parties include County Sanitation Districts of Los Angeles County Nos. 1, 2, 3, 5, 8, 15, 16, 17, 18, 19, 21, 22, 23, 28, 29, and 34, and South Bay Cities Sanitation District of Los Angeles County.

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loadings in the months of August, October, November, and December. Additionally, in matching the significant figures to the limit, the August and December result concentrations are 150 mg/L, which are therefore not violations.

Reduced sewer flows due to the recent drought conditions and water conservation measures have the potential to concentrate community loadings, resulting in higher plant influent chloride concentrations, and consequently, elevated plant effluent chloride concentrations. The supply water within the drainage area of the Pomona WRP consists of a blend of groundwater and surface water from the Metropolitan Water District's Weymouth Water Filtration Plant (WFP). Overall, since 2011, the chloride concentration from the Weymouth WFP has been steadily rising. The Weymouth WFP effluent chloride average concentrations for 2011, 2012, 2013, 2014, 2015, 2016, 2017, and 2018 were 63, 84, 87, 89, 98, 102, 55, and 90 mg/L, respectively. This increase in chloride from the Weymouth WFP water appears to be the primary factor driving the elevation in effluent chloride concentration at the Pomona WRP (Figure 1.4). The Sanitation Districts will continue to monitor this constituent and, if such exceedances continue, other possible sources will be investigated.

Effluent Total Coliform

Per the MRP, total coliform shall be monitored daily at the Pomona WRP. However, due to an analyst error, the total coliform result for an analysis conducted on a Pomona WRP final effluent sample collected on December 14 was invalidated. Procedures for analyzing total coliform have since been reviewed with staff to ensure that these types of incidents do not reoccur.

Remarks

All Pomona WRP recycled water used during 2018 was used only for the purposes specified in the requirements, and was delivered to reuse sites that overlie the San Gabriel Valley, Spadra, and Puente hydrologic subunits.

Certified Laboratory

Excluding the exceptions noted below, all analyses were conducted at a laboratory certified for such analyses by the California Department of Public Health (formerly known as the California Department of Health Services), State Water Board Division of Drinking Water Programs (DDW), or approved by the Executive Officer and in accordance with current USEPA guidance procedures or as specified in the MRP. On July 1, 2014, administration of the Drinking Water Program (DWP) and Environmental Laboratory Accreditation Program (ELAP) transferred from the Department of Public Health to DDW.

The 2017 EPA Method Update Rule went into effect on September 27, 2017, and replaced several methods in 40 CFR part 136. The analytical methods used for compliance with the MRP include EPA 608 for pesticides and PCBs, 624 for volatile organics, and 625 for semi-volatile organics; these methods were replaced by EPA 608.3, 624.1, and 625.1, respectively. The Environmental Laboratory Accreditation Program (ELAP) has indicated that it will take time to certify these new methods. Consequently, the Sanitation Districts' laboratory will continue to use EPA 608, 624, and 625 until the new methods are ELAP-certified; Regional Board staff has concurred with this approach.

Use of Significant Figures

For the purpose of determining compliance with the WRR permit limits, analysis results values are

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evaluated based on the significant digits indicated in the WRR permit and in accordance with appropriate use of significant figures (i.e., per *Standard Methods for the Examination of Water and Wastewater*, 22nd edition, 2012, Section 1050B).

Detection and Reporting Levels

The analytical test methods and corresponding Method Detection Limit (MDL), Minimum Level (ML), and Reportable Detection Level (RDL or RL) that are used for water quality water monitoring are reported with their respective results. The MDL and/or RDL for a particular constituent may have varied throughout the year, in which case, the range of MDLs and/or RDLs is provided. Sample results are reported in accordance with the methodology listed below.

1. Sample results greater than or equal to the RL are reported as measured by the laboratory (i.e., the measured chemical concentration of the sample).
2. Sample results less than the RDL, but greater than or equal to the laboratory's MDL, are reported as Detected but Not Quantified (DNQ) followed by "Est. Conc." and the estimated chemical concentration of the sample.
3. Sample results less than the laboratory's MDL are reported as Not Detected (ND).

Calculations of Means

In calculating annual averages, results below the MDL or RDL are assumed to be zero. If an average of zero is calculated, the annual average will be reported as ND. In the event that a particular constituent was monitored more than once during a calendar month, the monthly average is provided. When calculating a monthly average of multiple sample analyses and the data set contains one or more reported determinations of DNQ and/or ND values, the median is calculated in place of the average in accordance with the following procedure:

1. The sample results are ranked from low to high, ranking any reported ND determinations lowest, any DNQ determinations next, and followed by any quantified values (results equal to or above the RDL). The order of the individual ND or DNQ determinations is unimportant.
2. The median value of the samples results is determined. If the data set has an odd number of data points, then the median is the middle value. If the data set has an even number of data points, then the median is the average of the two values around the middle unless one or both of the points are ND or DNQ, in which case the median value shall be the lower of the two data points where DNQ is lower than a quantified value and ND is lower than DNQ.

Drinking Water Standards

Water Reclamation Requirements A.4 and A.5 require that Pomona WRP recycled water quality is in compliance with the drinking water standards contained in Title 22 of the California Code of Regulations. Per Chapter 15 of Title 22, compliance with these limits is determined by a running annual average of analytical results.

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Recycled Water Use During Rainfall and/or Runoff

Per Section C.2 of the WRRs, Pomona WRP recycled water shall not be used for irrigation during periods of rainfall and/or runoff. However, if the recycled water meets the requirements of the Pomona WRP's NPDES permit, this shall not be considered a violation. Rainfall occurred in January, February, March, and December; however, because the recycled water met all NPDES requirements (per Order No. R4-2014-0212-A01) any recycled water use during these times is not considered a violation.

Recycled Water Monitoring Data

Attached to this report are Pomona WRP recycled water monitoring data for January 2018 to December 2018 per Board Order No. 97-072 (81-34) and MRP No. 6241, as well as additional data per monitoring requirements of the Pomona WRP NPDES Permit (Order No. R4-2014-0212-A01) and Montebello Forebay Groundwater Recharge Permit (Order No. 91-100).

Plant Shutdowns

In 2018, the Pomona WRP was temporarily shut down for maintenance on the occasions listed in Table 1.2 below:

Table 1.2
Pomona WRP Plant Shutdowns for Maintenance

Date	Approximate Duration	Comments
January 25	12:00 a.m. to 8:00 a.m.	Plant shutdown to connect new equipment.
February 14	1:00 a.m. to 8:00 a.m.	Plant shutdown for routine maintenance.
June 27	12:00 a.m. to 7:00 a.m. June 28	Plant shutdown for routine maintenance.
July 19	11:00 p.m. to 8:00 a.m. July 20	Plant shutdown for routine maintenance.
July 26	10:00 p.m. to 8:00 a.m. July 27	Plant shutdown for routine maintenance.
September 28	3:00 a.m. to 8:00 a.m.	Plant shutdown for routine maintenance.
October 29	10:00 p.m. to 8:00 a.m. October 30	Plant shutdown for routine maintenance.

There were no violations of permit requirements during any of the plant shutdowns, as no recycled water was delivered to customers for the duration of each shutdown period.

Reuse Site Operators

Several new tenants in 2018 have taken up occupancy in buildings and/or developments that had been

Chapter 1. Permit Compliance and Recycled Water Use Report

previously supplied recycled water. The following is a list of the properties, along with the names of the previous occupant and the new occupant, as provided by the Walnut Valley Water District.

Table 1.3
Previous vs. Current Recycled Water Occupants

SERVICE ADDRESS/LOCATION	OLD CUSTOMER NAME	NEW CUSTOMER NAME
20888 Amar Road	Family Property Holdings, LLC	Calif. Association for Bilingual Education
19865 Harrison	Soo Hoo Customes Broker, Inc	Cianni Inc.
108-118 Brea Canyon	Majestic Management	Comphome Corp.
268 Benton Court	Comtop Connectivity Sol.	CSR Industries Corp.
20801 Currier Road	Adnoff Family Trust	FTH Group Inc.
21858 Garcia Lane	Jasper Technology LLC	Geniqua Corp.
1337 Otterbein Ave.	Wendy Zheng	Haibin Yang
2889 Valley Blvd.	Crystal Cal No. 1 LLC	JM Creative Investments LLC
20125 Valley Blvd.	Jenny Hsieh	KM Property Mgmt. Group
Cheryl Ln./Spanish Ln. (multiple meters)	Catellus Development	Palmtree Acquisition Corp. Prologis
368 Cheryl Lane	Play Hut	Palmtree Acquisition Corp. Prologis
21908-21958 Valley Blvd.	Harold M. Pitman Co.	Poundex Associates Corp.
Staters-Amar & Regal Canyon	Walnut Village Shopping Center	Wesco Properties
Grand Crossing-1307'E of Baker	C.A. Rasmussen	Shawnan
Grand between Baker & Old Brea Cyn.	Sukut	Shawnan
Baker Pkwy @ B Street	Sukut	Successor Agency to Industry Urban Redevelopment Agency

1.3 Recycled Water Use Report

In addition to using recycled water at its own Spadra Landfill and Gas-to-Energy Facility, the Sanitation Districts deliver recycled water from the Pomona WRP to the Pomona Water Department and the Walnut Valley Water District (WVWD), who then deliver the recycled water to their customers. The addresses of the two water purveyors are:

City of Pomona Water Department
505 S. Garey Avenue
P.O. Box 660
Pomona, CA 91769

Walnut Valley Water District
271 S. Brea Canyon Road
P.O. Box 508
Walnut, CA 91789

Chapter 1. Permit Compliance and Recycled Water Use Report

In 2018, an average of 5.88 million gallons per day (MGD) of recycled water was produced at the Pomona WRP. Of this amount, an average of 1.728 MGD was delivered to the Pomona Water Department, 0.177 MGD was delivered to the Spadra Landfill/Gas-to-Energy/LandLab complex, and 0.922 MGD was delivered to WVWD. Recycled water from the Pomona WRP is used for landscape and agricultural irrigation, landscape impoundments, fire protection, livestock watering, dust control, cooling towers, and concrete mixing. All recycled water used during the year was used only for those purposes specified in the Board Order Nos. 81-34 and 97-072 requirements, and was delivered to use sites that overlie the San Gabriel Valley hydrologic basin, 4-13. Tables 1.4 and 1.5 show the quantities, purposes, and total irrigable area for which recycled water was used by the individual users during 2018 for the Pomona Water Department and Spadra Landfill, and WVWD distribution systems, respectively. Figures 1.1 and 1.2 show the locations of the reuse sites.

Recycled water that is not delivered directly to these reuse sites is discharged to the South Fork of the San Jose Creek and then into the San Gabriel River where groundwater recharge occurs in the Montebello Forebay (shown in Figure 1.3). In 2018, approximately 3.605 MGD was delivered to the Los Angeles County Department of Public Works for groundwater recharge under a separate permit, Board Order No. 91-100.

New Reuse Sites

Two new reuse sites were connected to the Walnut Valley Water District recycled water distribution system during 2018. In August, the landscaping around Century Building and Home Inc. (19115-19117 Colima Rd.) and DP Currier LLC (20825 Currier Rd.) were connected.

The users and their mailing addresses are listed below, with the reuse site name(s) in parentheses.

Chapter 1. Permit Compliance and Recycled Water Use Report

ACME Furniture Industry, Inc.
18895 Arenth Avenue
City of Industry, CA 91748
(20002 E Business Parkway)

American Golf Corporation
PO Box 2440
Spokane, WA 92210
(Diamond Bar Golf Course)

FTH Group Inc.
15545 Bellflower Blvd., Suite F
Bellflower, CA 90706
(20801 Currier Road)

Anfield Apparel Group Inc.
20851 Currier Road
Walnut, CA 91789

Angela Preschool
1930 Nogales St.
Rowland Heights, CA 91748

Apex Capital Investment Corp
215 W. Pomona Blvd., Suite 308
Monterey Park, CA 91754
(20657 Golden Springs Drive)

APL Logistics
408 Brea Canyon Road
Walnut, CA 91789

A Professional Law Corp.
19803 Valley Blvd.
Walnut, CA 91789

Atkinson Construction
148 N. Huntington St.
Pomona, CA 91768
(CalTrans I-10 construction project)

Ayres Suites Diamond Bar
21951 Golden Springs Drive
Diamond Bar, CA 91765

Bank of the West
2527 Camino Ramon
San Ramon, CA 94583
(19005 Colima Road)

Bay Harbor Harrison Associates
3090 Pullman St.
Costa Mesa, CA 92626
(19901 Harrison Avenue)

Bell Memorial Church
1747 Nogales Street
Rowland Heights, CA 91748

Broadway.com Corporation
19715 Harrison Avenue
City of Industry, CA 91789

Brookside Equestrian Center
18217 Gale Avenue, Suite A
City of Industry, CA 91748
(E of Lemon Ave., N of La Puente Rd.)

Buddhist Tzu Chi Education Foundation
1920 Brea Canyon Cutoff Road
Walnut, CA 91789

CA Association for Bilingual Education
20888 Amar Road, Suite 203
Walnut, CA 91789

California Dept. of Transportation, District 7
120 S Spring Street
Los Angeles, CA 90012
(Routes 57 & 60)

California Dept. of Transportation, District 7
408 S Grand Avenue
Covina, CA 91724
(Route 57 & 10 Fwy, Route 71 & 10 Fwy)

California State Polytechnic University
3801 W Temple Avenue
Pomona, CA 91768
(Kellogg Campus, Lanterman State Hospital, LandLab)

Calvary Chapel
22324 Golden Springs Drive
Diamond Bar, CA 91765
(19601 E Walnut Drive)

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CFT Development
1683 Walnut Grove Ave.
Rosemead, CA 91770
(22438 Golden Springs Dr.)

Chili's Restaurant
PO Box 182397
Columbus, OH 43218
(707 Grand Ave.)

Church of Latter-Day Saints, Walnut Stake
P.O. Box 661389
Arcadia, CA 91066
(20801 Marcon Drive)

Cianna, Inc.
19865 Harrison Avenue
City of Industry, CA 91789
(19865 Harrison Avenue)

City of Diamond Bar
21825 E Copley Drive
Diamond Bar, CA 91765
(Golden Springs Drive medians)

City of Industry
15651 E Stafford Street
City of Industry, CA 91744
(Brea Canyon Road/ Old Ranch Road medians, Brea Canyon Road/Currier medians, Fairway Drive, Ferraro and Grand East ramp, Lemon Avenue, Metrolink Station, Cheryl Lane/Baker Parkway, Grand Avenue Crossing, and 21350 and 22002 Valley Blvd. medians, 820 Fairway, end of Baker Parkway)

City of Walnut
21201 La Puente Road
Walnut, CA 91789
(Lemon Creek, Morningside, Norm Ashley, Snowcreek, Suzanne, and Walnut Ranch parks, Snowcreek and Walnut Ridge Landscape Maintenance Districts, Amar Road, Lemon Avenue, and Temple Avenue greenbelts, Gym/Teen Center, City Hall, Senior Center, Rodeo Ridge Estates, 568 Tri Net Court, 19849, 20265, & 20813 Valley Blvd medians, Brea Canyon Rd/Currier Road median)

City of Pomona Parks and Recreation Dept.
P.O. Box 660
Pomona, CA 91769
(South Campus Drive Parkway)

City of West Covina
P.O. Box 1440
West Covina, CA 91793
(Friendship and Lanesboro parks)

Clemson Distribution, Inc.
20722 Currier Road
Walnut, CA 91789

CLT Computers Inc.
20153 Paseo del Prado
Walnut, CA 91789

Coaster Company of America
12928 Sandoval Street
Santa Fe Springs, CA 90670
(20300 Business Parkway)

Cornerstone HOA
PO Box 4338
Santa Ana, CA 92702
(Valley/Suzanne Road)

CSR Industries Corp.
268 Benton Court
City of Industry, CA 91789

CU Transport, Inc.
19885 Harrison Avenue
City of Industry, CA 91789

Cushman Wakefield
901 N. Via Pieminte, Suite 200
Ontario, CA 91764
(21301 Ferraro Parkway)

Denley Investment and Management Co.
1710 N. McCadden Place
Hollywood, CA 90028
(Burger King Restaurant 527 S Grand Avenue)

Diamond Crest Homeowners Association
120 West Bonita Ave, Suite 203
San Dimas, CA 91773

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Dream Wireless, Inc.
20625 Lycoming Street
Walnut, CA 91789

Dreyers Grand Ice Cream
351 Cheryl Lane
Walnut, CA 91789

Double Five Investment
556 N. Diamond Bar Blvd, Suite 300
Diamond Bar, CA 91765
(20855 Golden Springs Drive)

East Lion Corp.
318 Brea Canyon Road
Walnut, CA 91789

Equus Computer Systems, Inc.
5810 Clearwater Drive
Minnetonka, MN 55343
(20480 E. Business Parkway)

Euclid Management
PO Box 1510
Upland, CA 91785
(Harvard Estates at Bella Vista Drive, Wind
River HOA at Brea Canyon Rd. and Balan Rd.)

Everbright Management, LLC
1163 Fairway Drive
Walnut, CA 91789
(1163 & 1169 Fairway Drive)

Extra Space Storage
PO Box 2440
Spokane, WA 99210
(20671 Valley Blvd.)

Fairway Business Center
13191 Crossroads Parkway, 6th Floor
City of Industry, CA 91746
(Corner Fairway Drive & Business Pkwy.,
corner Lemon Avenue & Business Pkwy., 19700
Business Parkway)

FedEx Ground
200 Old Ranch Road
Walnut, CA, 91789

First Chinese Baptist Church
1555 Fairway Drive
Walnut, CA 91789

First General Bank
19036 Colima Road
Rowland Heights, CA 91748

Foothill Transit
100 S. Vincent Avenue, Suite 200
West Covina, CA 91790
(500 S. Brea Canyon Rd.)

Forest Lawn Memorial Parks
1712 S. Glendale Avenue
Glendale, CA 91205
(Covina Hills site)

Fortune Dynamic Lee Wang LLC
4385 Mission Hills Drive
Chino Hills, CA 91709
(21901 Ferrero Parkway)

Gemini Food Corporation
251 Benton Court
Walnut, CA 91789

Golden Applexx Co., Inc.
19805 Harrison Avenue
City of Industry, CA 91789

Grand Avenue Venture
1800 E. Imperial Hwy. Suite 205
Brea, CA 92821
(21508 Ferrero Parkway)

Haier US
13191 Crossroads PKWY 6th Floor
City of Industry, CA 91746
(19705, 19805, & 20005 E. Business Pkwy.)

Haitao Group LLC
333 Brea Canyon Road
Walnut, CA 91789
(350 Cheryl Lane)

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Hing Wa Lee Plaza
145 E. Live Oak Avenue, Suite C
Arcadia, CA 91006
(1569 Fairway Drive)

Home Depot Supply
P.O. Box 4945
Orlando, FL 32802
(21535-21651 Baker Parkway)

Hupa International, Inc.
21717 Ferraro Parkway
Walnut, CA 91789

J Pack International, Inc.
19789 Harrison Avenue
City of Industry, CA 91789

J&L Footwear
885 Shepherd Lane
Brea, CA 92812
(250 Benton Court)

Jakks Pacific, Inc.
21733-21749 Baker Parkway
City of Industry, CA 91789

JM Creative Investments LLC
1142 Diamond Bar Blvd., #813
Diamond Bar, CA 91765
(2889 Valley Blvd)

KM Properties Management Group
20125 Valley Blvd.
Walnut, CA 91789

Kelly Paper
288 Brea Canyon Road
Walnut, CA 91789

KW Global Inc.
293 Brea Canyon Drive
Walnut, CA 91789

L.A. Fitness International LLC
PO Box 52110
Irvine, CA 92619
(20801 Golden Springs Drive)

Leg Avenue
19601 E. Walnut Drive
Walnut, CA 91789

Lemon Avenue Investments
12011 San Vincente Blvd., Suite 700
Los Angeles, CA 90049
(Lemon Avenue at Carrey Road)

Lemon Valley LLC
650 Camino de Gloria
Walnut, CA 91789
(20373 Valley Blvd.)

Lennar Homes of California
25 Enterprise, Suite 410
Aliso Viejo, CA 92656

Los Angeles County Dept. of Public Works
14747 E. Ramona Blvd.
Baldwin Park, CA 91706
(Fairway Dr., Nogales and Killian medians)

Los Angeles County Mechanical Department
1000 S. Fremont Ave. #78
Alhambra, CA 91803
(Banida Park)

Los Angeles County Parks and Recreation
265 Perez Place
City of Industry, CA 91746
(Bonelli Regional Park, East Shore RV Park,
Mountain Meadows Golf Course)

Los Angeles County Parks and Recreation
433 S. Vermont Avenue
Los Angeles, CA 90020
(Rowland Heights County Park)

Magnolia at Snow Creek HOA
675 West Foothill Blvd. Suite 104
Claremont, CA 91711

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Majestic Management
13191 Crossroads Parkway North, 6th Floor
City of Industry, CA 91746
(108-288 Mayo Ave. and 168-188 Brea Canyon Rd., 19850 E. Business Pkwy., 21858, 21912, and 21760-21788 Garcia Lane, Grand Ave./Valley Blvd. medians, Grand Ave./Village Staples Center, 179 S. Grand Ave., Building 25 on Mayo Ave., Golden State Foods 21415-21489 Baker Pkwy. Harold M. Pitman Co. 21908-21958 Valley Blvd., Kohl's Center, Dura Freight Lines 515-525 Lemon Avenue and 20405 & 20595 E. Business Pkwy., Extra Express 20435-20445 E. Business Pkwy., Gel Logistics 20275 E. Business Pkwy., AIC 21808 Garcia Lane, Spencer N. Enterprises, Inc. 435 S. Lemon Ave., Comphone 108-118 Brea Canyon Rd., Poundex 21438 Baker Pkwy.)

Markwins International Corporation
22067 Ferrero Parkway
Walnut, CA 91789

Max Property LLC
339 S. Cheryl Lane
City of Industry, CA 91789
(21401 Ferraro Parkway)

McDonald's Restaurant
636 N. Eckhoff St.
Orange, CA 92868
(21095 Golden Springs Dr.)

Morrow Meadows Corporation
231 Benton Court
Walnut, CA 91789

Muller Company
2900 Adams St. Suite C-16
Riverside, CA 92504
(Gateway Corporate Center)

Nu-Health Products
20875 Currier Road
Walnut, CA 91789

Orange Grove Service Inc.
2167 Mailstop 14004, 20427 N. 27th Ave.
Phoenix, AZ 85027
(Vons Center at Lemon Ave./La Puente Rd.)

Palmtree Acquisition Corp.
1800 Wazee St.
Denver, CO 80239
(501 and 510 Cheryl Lane, Currier Road at Lemon Ave., former Catellus Development)

PI Manufacturing
20732 Currier Road
Walnut, CA 91789
(Ping Ting Hsu)

Play Hut
368 Cheryl Lane
Walnut, CA 91789

Prudential Insurance Company of America
1800 E. Imperial Highway, Suite 205
Brea, CA 92821
(21558 Ferrero Parkway)

Quality Inn & Suites
1170 Fairway Drive
Walnut, CA 9178

RADC Enterprises, Inc.
21103 Golden Springs Drive
Walnut, CA 91789
(Shell Station at 21103 Golden Springs Drive)

Robertson's Ready-Mix
2470 Pomona Blvd.
Pomona, CA 91768

Rowland Hts. Community Christian Church
19309 Colima Road
Rowland Heights, CA 91748

Rowland Heights Korean Church
1717 Otterbein Avenue
Rowland Heights, CA 91748

Rowland Unified School District
1830 Nogales Street
Rowland Heights, CA 91748
(Hollingworth, Killian, and Ybarra Elementary Schools, Rincon Middle School, Rowland High School, and Community Day School)

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Santa Fe Distribution LLC
20822 Currier Road
Walnut, CA 91789

Sea Shield Marine Products
20832 Currier Road
City of Industry, CA 91789

Shawnan Construction
12240 Woodruff Ave.
Downey, CA 90241
(Grand Crossing and Baker)

Shinetec Group, Inc.
19835 Harrison Avenue
City of Industry, CA 91789

SL Investment Group
218 Machlin Court
Walnut, CA 91789

South Coast Air Quality Management District
21865 E Copley Drive
Diamond Bar, CA 91765

St. Lorenzo's Catholic Church
747 Meadow Pass Road
Walnut, CA 91789

Sun-Yin, USA
280 Machlin Court
Walnut, CA 91789

Sy Development, Inc.
51 E. Longden Avenue
Arcadia, CA 91006
(Condos 20118-20138 Colima Road)

Sysco Food Service
20701 Currier Road
Walnut, CA 91789

Target Store T-2179
1683 Walnut Grove Avenue
Rosemead, CA 91770
(747 Grand Avenue)

The Cross Schools of Education
20675 La Puente Road
Walnut, CA 91789

Thermaltake
20420 E. Business Parkway
City of Industry, CA 91789

Ting Hsin Trading Corp.
19700 E. Business Parkway
City of Industry, CA 91746

Tri-Net Technology, Inc.
21709 Ferraro Parkway
Walnut, CA 91789

Unical Aviation
680 Lemon Avenue
City of Industry, CA 91789

USA Signage LLC
20819 Currier Road
City of Industry, 91789

Vacant
1930 Nogales Street
Rowland Heights, CA 91748

Vacant
19835 E Walnut Drive
Walnut, CA 91789

V-Tec Automotive
19677 Valley Blvd.
Walnut, CA 91789

Walnut Nazarene Church
20801 La Puente Road
Walnut, CA 91789

Walnut Tech Business Center
398 Lemon Creek Dr., Suite Q
Walnut, CA 91789
(Lemon Ave. and Paseo del Prado)

Walnut Valley Unified School District
880 S Lemon Avenue
Walnut, CA 91789
(Morris, Vejar, Walnut, and Westhoff
Elementary Schools, Suzanne and South Pointe
Middle Schools, Del Paso and Walnut High
Schools, Walnut USD Admin. Service Center)

Chapter 1. Permit Compliance and Recycled Water Use Report

Waterfall Estates
P.O. Box 1510
Upland, CA 91785

Wendy Zheng
1337 Otterbein Avenue
Rowland Heights, CA 91748

Wesco Properties
100 Bayview Circle, Suite 2600
Newport Beach, CA 92660
(Walnut Hills Village Shopping Center)

Williams-Sonoma, Inc.
PO Box 740
Parkridge, NJ 07656
(21700 and 21508-21662 Baker Parkway)

Young Hoon Cho
1920 Homeworth Drive
Rancho Palos Verdes, CA 90275
(1709 Nogales Street)

TABLE 1.4
County Sanitation Districts of Los Angeles County
Pomona Water Reclamation Plant Recycled Water Use
2018

City of Pomona Water Department System

REUSE SITE	Recycled Water Delivered and Used* (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
City of Pomona Parks & Recreation Dept.; South Campus Drive Parkway	0.006	2.258	8	Landscape Irrigation
California State Polytechnic University; Kellogg Campus	0.521	190.095	500	Agricultural & Landscape Irrigation, Landscape Impoundment
Forest Lawn, Covina Hills	0.461	168.162	96	Landscape Irrigation
California State Polytechnic University; Lanternman Hospital	0	0	100	Agricultural Irrigation
L.A. County Parks & Recreation Dept.; Bonelli Regional County Park East Shore R.V. Park Mountain Meadows Golf Course	0.723	263.748	800	Landscape Irrigation and Impoundment, Fire Protection
CalTrans - Route 57 & 10 Fwy	0.003	0.980	18	Landscape Irrigation
CalTrans - Route 71 & 10 Fwy	<0.0001	0.002	12	
Graybar Electric Company, Inc. ¹	0.010	3.744		Landscape Irrigation
Robertson's Ready-Mix	0.005	1.670		Concrete Mixing
Atkinson Construction	0	0		Dust Control/Grading
TOTAL	1.728	630.659	1,534	

* Data supplied by City of Pomona Water Department

¹. Formerly OMP Mount Vernon, LLC.

Sanitation Districts of Los Angeles County; Spadra Landfill System

REUSE SITE	Recycled Water Delivered and Used** (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
Landfill Tanker Trucks	0	0		Dust Control
Landfill Landscaping	0.168	61.151	53	Landscape Irrigation
Cal Poly LandLab	0.009	3.439	2.5	
TOTAL	0.177	64.590	55.5	

** Data supplied by Sanitation Districts

TABLE 1.5
County Sanitation Districts of Los Angeles County
Pomona Water Reclamation Plant Recycled Water Use
2018

Walnut Valley Water District System

Page 1 of 4

REUSE SITE	Recycled Water Delivered and Used ¹ (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
Suzanne Park	0.013	4.894	12	Landscape Irrigation: City of Walnut
Lemon Creek Park	0.004	1.603	5	
Norm Ashley Park	0.0004	0.140	0.2	
Walnut Senior Center (21215 La Puente Rd.)	0.001	0.194	0.5	
Walnut City Hall (21201 La Puente Rd.)	0.001	0.210	0.6	
Gym/Teen Center (20003 La Puente Rd.)	0.001	0.342	0.6	
568 Tri Net Court	0.0003	0.105	0.3	
20813 Valley Blvd.	0.001	0.311	6.3	
20265 Valley Blvd.	0.001	0.203	0.4	
19849 Valley Blvd.	0.001	0.323	0.4	
Temple Avenue greenbelt	0.0001	0.052	1	
Lemon Avenue greenbelt	0.005	1.692	4.3	
Snowcreek Park	0.009	3.447	7	
Snowcreek Landscape Maintenance District	0.026	9.614	13.5	
Walnut Ranch Park	0.014	5.086	26	
Amar Road greenbelt ²	0.085	30.988	20.3	
Morningside Park	0.004	1.365	4	
Walnut Ridge Landscape Maintenance District	0.025	9.189	25.5	
Cornerstone HOA (NW Valley and Suzanne) ⁸	0.003	1.148	2.3	
Larkstone Park	0.009	3.304	5.2	
Lenmar Homes of California	0.012	4.437	10.8	Landscape Irrigation: Housing Development Common Areas
Rodeo Ridge Estates	0.003	1.264	0.4	
Diamond Crest HOA (1505-1605 Brea Canyon Rd.) ⁴	0.018	6.556	14	
Waterfall Estates (Banida Ave.) ³	0.003	1.087	1.2	
Wind River HOA (Brea Canyon and Balan) ⁹	0.015	5.575	12.6	
Magnolia at Snow Creek (Shea Homes)	0.013	4.852	5.4	Athletic Field and Landscape Irrigation: Walnut Valley Unified School District
Harvard Estates (Bella Vista Drive)	0.001	0.450	2	
Sy Development, Inc. condos (20118-20138 Colima Rd.)	<0.0001	0.011	0.1	
Walnut USD Admin. Service Center (880 Lemon Ave.)	0.002	0.730	4	
Morris Elementary School (19875 Calle Baja Dr.)	0.008	3.030	9	
Walnut High School (400 Pierre Rd.)	0.014	5.206	13.1	
Suzanne Middle School (525 Suzanne Rd.)	0.009	3.190	4	
Vejar Elementary School (20222 Vekar Rd.)	0.008	2.953	3	
Walnut Elementary School (841 Glenwick Ave.)	0.008	2.784	4	
Westhoff Elementary School (Amar and Country Hollow)	0.005	1.865	8	
Del Paso High School (476 S. Lemon Ave.)	0.004	1.316	3	Landscape Irrigation: City of West Covina
South Pointe Middle School (20671 Larkstone Dr.)	0.009	3.344	7	
Friendship Park	0.004	1.635	6	Athletic Field and Landscape Irrigation: Rowland Unified School District
Lanesboro Park	0.003	1.040	2	
Rincon Middle School (2800 Hollingworth St.)	0.009	3.151	3	
Hollingworth Elementary School (3003 Hollingworth St.)	0.006	2.133	3	
Killian Elementary School (19100 Killian Avenue)	0.004	1.628	3	
Rowland High School (2000 Otterbein Ave.)	0.011	3.953	9	Athletic Field and Landscape Irrigation:
Ybarra Elementary School (1300 S. Brea Canyon Cutoff)	0.004	1.435	5.6	
Community Day School (1928 Nogales St.)	0.0002	0.088	0.1	
The Cross Schools of Education (20675 La Puente Rd.)	0.001	0.236	0.6	Landscape Irrigation:
Buddhist Tzu Chi Education (1920 Brea Cyn Cutoff) ⁷	0.004	1.421	2.2	
Angela Preschool & Kindergarten (1930 Nogales St.) ^{5,6}	0.0002	0.071	0.1	Landscape Irrigation: L.A. Co. Parks & Rec.
Rowland Heights County Park	0.011	4.182	11	
Diamond Bar Golf Course (American Golf Corp.)	0.121	44.322	174	L.A. County Dept. of Public Works
Nogales and Killian medians	0.001	0.230	0.1	
Fairway medians	0.001	0.229	0.3	City of Diamond Bar
Golden Springs Drive medians	0.003	1.118	1.3	
CalTrans - Routes 57 & 60	0.002	0.759	19.7	Calif. Dept. of Trans.

¹ Data supplied by Walnut Valley Water District

⁴ Formerly Standard Pacific Homes

⁷ Formerly Christian Chapel of Walnut Valley

² Formerly Walnut Ranch LMD

⁵ Formerly Kandyland Academy

⁸ Formerly Shea Homes

³ Formerly Pacific Community Builders

⁶ Formerly Phoenix Private Schools

⁹ Formerly K.Hovnanian/Rowland Hts. LLC

TABLE 1.5
County Sanitation Districts of Los Angeles County
Pomona Water Reclamation Plant Recycled Water Use
2018

Walnut Valley Water District System

Page 2 of 4

REUSE SITE	Recycled Water Delivered and Used ¹ (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
Metrolink Station @ Spanish Lane	0.001	0.407	0.6	Landscape Irrigation: City of Industry
820 Fairway Drive	0.0003	0.126	0.1	
Lemon Avenue	0.0004	0.153	0.1	
Brea Canyon Road/Old Ranch Road median	0.0001	0.052	0.1	
Brea Canyon Road/Currier Road median ²⁴	0.005	1.951	1.6	
Ferrero and Grand East ramp	0.004	1.470	3.8	
N/E Corner Cheryl Lane & Baker Parkway	0.009	3.173	3.3	
Grand Avenue Crossing	0.010	3.596	18.5	
22002 Valley Blvd.	0.001	0.414	1.6	
21350 Valley Blvd.	0.002	0.574	0.4	
Grand Ave. & Baker Parkway medians	0.008	2.841	6.7	
Industry Urban Development (end of Baker Parkway)	0.025	9.286		
The Martin Brower Co. LLC (21415-21489 Baker Parkway) ³⁴	0.005	1.720	2	Commercial Landscape Irrigation
Campus Group, Inc. (319 Cheryl Lane) ⁸	0	0	0.1	
Palmtree Acquisition Corp. Prologis (Cheryl Lane) ³⁷	0.006	2.249	18.9	
Palmtree Acquisition Corp. Prologis (501 Cheryl Lane) ³⁷	0.003	1.070	1	
Palmtree Acquisition Corp. Prologis (510 Cheryl Lane) ^{31, 37}	0.007	2.416	1.8	
Unical Aviation Inc. (680 Lemon at Currier) ³⁰	0.003	1.187	1.1	
Coaster Co. of America (20300 Business Parkway) ^{6,17,2}	0.002	0.623	0.7	
CSR Industries Corp. (268 Benton Court) ³⁹	0.001	0.502	0.3	
Sea Shield Marine Products (20832 Currier Road) ²⁶	0.0002	0.080	0.1	
Dreyer's Grand Ice Cream (351 Cheryl Lane)	0.002	0.651	0.6	
Dura Freight Lines (515-525 Lemon Ave.) ²	0.001	0.418	0.5	
Dura Freight Lines (20595 E. Business Parkway)	0.004	1.639	0.8	
Extra Express Industry, Inc. (20435-45 Business Parkway) ^{3,34}	0.002	0.555	0.7	
Dura Freight Lines (20405 Business Parkway) ^{11,6,17,2,16}	0.001	0.497	1	
Gel Logistics, Inc. (20275 E. Business Parkway) ^{6,21,22,34}	0.002	0.585	1.3	
Fairway Bus. Cntr. (SW-SE Corners Lemon & Business Pkwy) ¹⁹	0.002	0.874	0.2	
Tung Hsin Trading Group (19700 Business Parkway) ³³	0.001	0.416	0.4	
Gemini Food Corp. (251 Benton Court)	0.0004	0.151	0.6	
Haier US Appliance Solutions I (19705 E. Business Parkway) ³⁵	0.005	1.675	1.6	
Haier US Appliance Solutions I (20005 E. Business Parkway) ³⁵	0.008	2.804	6.7	
Haier US Appliance Solutions I (19805 E. Business Parkway) ^{9,35}	0.003	1.227	1.1	
Anfield Apparel Group, Inc. (20851 Currier Road) ^{5, 27}	0.001	0.256	0.2	
Ping Ting Hsu (20732 Currier Road)	0.0003	0.125	0.1	
L.A. Fitness International LLC (20801 Golden Springs Dr.)	0.003	1.236	1.2	
Spencer N Enterprises Inc (435 S. Lemon) ^{4,10,15,2,20}	0.001	0.319	0.5	
Majestic Management (19850 E. Business Parkway) ¹²	0.003	0.987	0.8	
ACME Furniture Industry (20002 Business Parkway) ^{18,32}	0.004	1.612	4	
Nu-Health Products (20875 Currier Road) ⁷	0	0	0.1	
Palmtree Acquisition Corp. Prologis (368 Cheryl Lane) ³⁸	0.002	0.646	0.8	
Trulite Glass & Aluminum (20822 Currier Road) ^{13,25,36}	0.0004	0.157	0.1	
Thermaltake Inc. (20420 E. Business Parkway) ^{2,14,29}	0.003	0.969	0.8	

¹ Data supplied by Walnut Valley Water District

⁴ Formerly Dura Freight Lines

⁷ Formerly Abadi Djuhana

¹⁰ Formerly Strouds Linen Warehouse

¹³ Formerly Amazing Green & Office Summit

¹⁶ Formerly Funline Merchandise Co.

¹⁹ Formerly reported as two separate sites

²² Formerly Syntaxbrilliant

²⁵ Formerly Tilos Inc.

²⁸ Formerly Lawrence Allen & Associates

³¹ Formerly Viewsonic Corp.

³⁴ Formerly Industry East Land LLC

³⁷ Formerly Catellus Development

⁴⁰ Formerly Golden State Foods

² Formerly Magestic Management

⁵ Formerly Xebec Currier LLC.

⁸ Formerly Formosa Textile

¹¹ Formerly Christian Salvesen

¹⁴ Formerly F.D. Titus

¹⁷ Formerly APL Logistics

²⁰ Formerly Topland Transport

²³ Formerly McKessen

²⁶ Formerly Dow Corning

²⁹ Formerly Tung Hsin

³² Formerly Menlo Logistics

³⁵ Formerly General Electric

³⁸ Formerly Playhut

³ Formerly Ingram Industries

⁶ Formerly GATX Logistics & Tobic, Inc.

⁹ Formerly James River Corp/Servicecraft

¹² Formerly Servicecraft

¹⁵ Formerly Bocchi Laboratories

¹⁸ Formerly Thompson Consumer Electronics

²¹ Formerly TTISI

²⁴ Formerly ACE Construction Authority

²⁷ Hi-Tek Warehouse Corp.

³⁰ Formerly Circuit City Headquarters

³³ Formerly Fairway Business Center

³⁶ Formerly Santa Fe Distributing LLC

³⁹ Formerly Comtop Connectivity Solutions

TABLE 1.5
County Sanitation Districts of Los Angeles County
Pomona Water Reclamation Plant Recycled Water Use
2018

Walnut Valley Water District System
Page 3 of 4

REUSE SITE	Recycled Water Delivered and Used ¹ (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
Double Five Investments (20855 Golden Springs Drive) ^{4,13}	0.0004	0.140	0.2	Commercial
APL Logistics (408 Brea Canyon Road) ²	0.004	1.438	2.1	
FTH Group Inc. (20801 Currier Road) ¹⁴	0.001	0.210	0.1	
Equus Computer Systems (20480 E. Business Pkwy.) ¹³	0.003	1.145	0.5	
CU Transport, Inc. (19885 Harrison Ave.) ¹²	0.001	0.183	0.2	
Bank of the West (19005 Colima Road)	0.0001	0.031	0.1	
Broadway.com Corp. (19715 Harrison Ave.)	0.002	0.763	0.5	
Brookside Equestrian Center	0.002	0.869	13.6	
CLT Computers, Inc. (20153 Paseo del Prado) ³	0.001	0.393	0.6	
Young Hoon Cho (1709 Nogales St.)	0.0002	0.072	0.1	
Everbright Management (1169 Fairway Drive)	0.001	0.216	0.2	
Everbright Management (1163 Fairway Drive)	0.002	0.747	0.6	
Extra Space Storage of Walnut (20671 Valley Blvd.)	0.001	0.245	0.5	
East Lion Corporation (318 Brea Canyon Road) ^{2,9}	0.005	1.676	2.6	
Hing Wa Lee Plaza (1569 Fairway Drive)	0.0004	0.150	0.1	
Hupa International, Inc. (21717 Ferrero Parkway)	0.001	0.354	0.3	
J&L Footwear (250 Benton Court)	0.002	0.614	0.6	
Kelly Paper Co. (288 Brea Canyon Road)	0.004	1.342	1.2	
Lee Wang LLC (21901 Ferraro Parkway) ⁵	0.005	1.940	2	
Lemon Avenue Investments (Lemon Avenue)	0.002	0.700	0.6	
Lemon Valley LLC (20373 Valley Blvd.)	0.001	0.204	0.1	
Majestic Management (168-188 Brea Canyon Road)	0.002	0.552	0.6	
Port Logistics Group (108-288 Mayo Ave.) ²	0.008	3.021	4.3	
Majestic Management (Grand and Valley medians)	0.004	1.627	0.1	
Markwins International Corp. (22067 Ferrero Parkway)	0.002	0.601	1.9	
Morrow Meadows Corp. (231 Benton Court)	0.001	0.289	0.9	
Gateway Corporate Center	0.041	14.949	45	
Prudential Ins. Co. of America (21558 Ferraro Parkway)	0.003	0.953	3.5	
Shell Station - RADDC Enterprises (21103 Golden Springs Dr.)	0.0002	0.066	0.1	
SL Investment Group LLC (218 Machlin Court) ^{5,8}	0.002	0.604	1.5	
South Coast AQMD Headquarters (21865 Copley Drive)	0.005	1.951	2	
Dream Wireless Inc. (20625 Lycoming St.) ¹¹	0.001	0.397	0.3	
Sun-Yin USA (280 Machlin Court) ^{6,7}	0.001	0.198	0.8	
Sysco Food Service (20701 Currier Road)	0.005	1.710	2.3	
Comphone Corp. (108-118 Brea Canyon Road) ^{2, 10}	0.002	0.657	0.7	
Tri-Net Technology, Inc. (21709 Ferrero Parkway)	0.0002	0.072	0.3	
V-Tec Automotive (19677 Valley Blvd.)	0.0001	0.047	0.1	
Wesco Properties (Walnut Hills Village Shopping Center)	0.004	1.361	2.4	
Walnut Tech Business Center (Paseo del Prado Parkway)	0.001	0.494	1	
Yellow Box Corp. (19835 Walnut Drive)	0	0	0.3	
Calvary Chapel (22324 Golden Springs Drive)	0.012	4.316	1	
First Chinese Baptist Church (1555 Fairway Drive)	0.001	0.328	0.3	
Church of Latter-Day Saints (20801 Marcon Drive)	0.002	0.727	0.9	
Rowland Hts. Comm. Christ. Church (19309 Colima Road)	0.0003	0.125	0.5	
Walnut Nazarene Church (20801 La Puente Road)	0.0001	0.054	0.8	
Bell Memorial Church (1747 Nogales St.)	0.0004	0.136	0.3	
Rowland Heights Korean Church (1717 Otterbein Drive)	0.001	0.410	0.5	
St. Lorenzo Church (747 Meadow Pass Road)	0.016	5.698	0.3	
Countryside Suites (21951 Golden Springs Drive)	0.003	1.084	1.4	
Holiday Inn Express (1170 Fairway Drive)	0.003	0.991	0.4	
Chili's Restaurant (Golden Springs Dr.)	0.0003	0.111	0.01	
Burger King Restaurant (527 S. Grand Ave.)	0	0	0.2	
McDonalds Restaurant (21095 Golden Springs Dr.)	0.0003	0.101	0.1	

¹ Data supplied by Walnut Valley Water District

⁴ Formerly Lemon Avenue Investments

⁷ Formerly Strouds Building LLC

¹⁰ Formerly Synnex

¹³ Formerly Formerly Ezc Intern'l., Shipper.com., Acer, Benq Amer., Syntax Groups, Inc., Syntaxbrillian & Amergence Technology Inc.

¹⁴ Formerly Adnoff Family Trust

² Formerly Magestic Management

⁵ Formerly Sares Regis Group

⁸ Formerly Plantation Portfolio

¹¹ Formerly Southcoast Cabinets

¹⁵ Formerly Walnut Hills Village Inc.

³ Formerly Golden Diamond Star LLC

⁶ Formerly Ringwood Properties

⁹ Formerly Hill's Pet Nutrition Inc.

¹² Formerly Autosmart International, Inc.

TABLE 1.5
County Sanitation Districts of Los Angeles County
Pomona Water Reclamation Plant Recycled Water Use
2018

Walnut Valley Water District System
Page 4 of 4

REUSE SITE	Recycled Water Delivered and Used ¹ (million gallons)		Irrigable Area (acres)	Type of Use
	Daily Mean	Annual Total		
BayHarbor Harrison Associates (19901 Harrison Ave.) ²	0.003	1.109	0.8	Commercial
CFT Developments (Lot #1 on Golden Springs Dr.)	0.0004	0.128	0.01	
Cardinal Capital Partners (Currier at Lemon)	0	0	2.5	
Apex Capital Investment Corp. (20657 Golden Springs Dr.) ¹⁶	0.0003	0.116	0.4	
Haitao Group LLC (350 Cheryl Lane) ¹⁴	0.004	1.368	0.7	
USA Signage LLC (20819 Currier Road)	0.001	0.270	0.3	
Calif. Assn. for Bilingual Education (20888 Amar Road) ¹⁹	0.0001	0.030	0.04	
Fedex Ground (200 Old Ranch Road) ⁷	0.005	1.965	28	
First General Bank (19036 Colima Road)	0.0002	0.070	0.1	
Foothill Transit (500 Brea Canyon Road)	0.001	0.515	0.2	
Gomez Upholstery (19935 Valley Blvd.)	0	0	0.01	
Grand Avenue Venture LLC (21508 Ferrero Parkway)	0.002	0.612	3.5	
The Home Depot Supply (21535-21651 Baker Parkway)	0.008	2.858	2.8	
Poundex Assciates Corp. (21908-21958 Valley Blvd.) ^{2, 20}	0.001	0.517	0.8	
KM Property Management Group (20125 Valley Blvd.) ²¹	0.0001	0.030	0.03	
J Pack International, Inc. (19789 Harrison Ave.)	0.0005	0.173	0.5	
Jakks Pacific Inc. (21733-21749 Baker Parkway) ²	0.003	1.060	0.1	
KW Global Inc. (293 Brea Canyon Drive)	0.0005	0.170	0.3	Landscape
Haibin Yang (1335-1337 Otterbein Ave) ^{10, 22}	0.0002	0.056	0.1	
Leg Avenue (19601 E. Walnut Dr.) ⁵	0.001	0.536	0.5	Irrigation
Clemson Distribution Inc. (20722 Currier Road) ¹³	0.0004	0.147	0.1	
Majestic Management (21438 Baker Parkway)	0.006	2.274	0.1	
Kohl's Center (Majestic Management)	0.007	2.425	2	
Majestic Management (21530-21590 Valley Blvd.)	0.006	2.237	2	
AIC Advanced Industrial Comp (21808 Garcia Lane) ²	0.001	0.394	0.5	
Geniqua Corp. (21858 Garcia Lane) ^{2, 19, 23}	0.001	0.489	0.4	
JL Concepts Inc. (21912 Garcia Lane) ²	0.001	0.183	0.3	
Majestic Management (21760-21788 Garcia Lane)	0.001	0.459	0.4	
Majestic Management (Grand Ave/Village Staples Center)	0.003	1.225	1.6	
Majestic Management (179 S. Grand Ave.)	0.004	1.552	2.5	
Max Property LLC (21401 Ferrero Parkway) ⁴	0.003	0.976	0.7	
A Professional Law Corp. (19803 Valley Blvd.) ¹⁷	0.0003	0.124	0.1	
NP 21301 Ferraro Parkway, Inc. (21301 Ferrero Parkway) ⁸	0.002	0.789	0.8	
Orange Grove Service (Vons Center at Lemon/La Puente) ⁶	0.001	0.535	0.4	
Cianni Inc. (19865 Harrison Ave.) ^{3, 15, 24}	0.001	0.301	0.3	
JM Creative Investments, LLC (2889 Valley Blvd.) ²⁵	<0.0001	0.005	0.1	
Century Building and Home Inc. (19115-19117 Colima Rd.)	0	0	0.1	Landscape Irrigation:
DP Currier LLC (20825 Currier Rd.)	0.0003	0.118	0.3	
Shinetec Group, Inc. (19835 Harrison Ave.)	0.0004	0.159	0.4	Walnut Valley Water District
Target Store T-2179 (747 Grand Ave.)	0.006	2.034	3.9	
Williams-Sonoma, Inc. (21508-21662 Baker Parkway) ⁹	0.010	3.512	4.8	Temporary Construction
Williams-Sonoma, Inc. (21700 Baker Parkway) ⁹	0.003	1.165	2	
Golden Applexx Co. Inc. (19805 Harrison Ave.) ¹¹	0.0005	0.175	0.2	Vacant
Walnut Valley W.D. Brea Canyon Reservoir	0.002	0.619	1	
Walnut Valley W.D. Office (271 S. Brea Canyon Road)	0.001	0.228	0.2	Temporary Construction
Walnut Valley W.D. Parker Canyon Reservoir	0.003	1.112	3.5	
Shawnan Construction (Grand between Baker & Brea Cyn) ²⁶	0.002	0.844		Vacant
Shawnan Construction (Grand Crossing at Baker) ²⁷	0.005	1.763		
20659 E. Valley Blvd. ¹²	0	0	7	Vacant
TOTAL	0.922	336.668	744.2	

¹ Data supplied by Walnut Valley Water District.

⁴ Formerly LC Old Ranch Road LLC

⁷ Formerly Epstein Construction

¹⁰ Formerly Marcos Mejia & Susann Sutseng Lee

¹³ Formerly Light of America

¹⁶ Formerly Golden Springs Plaza LLC

¹⁹ Formerly Family Property Holdings LLC

²² Formerly Wendy Zheng

²⁵ Formerly Crystal Cal No. 1 LLC

² Formerly Magestic Management

⁵ Formerly Camm LLC

⁸ Formerly Maxking Intl.

¹¹ Formerly L.A. Lighter

¹⁴ Formerly Charles Hailong Cui

¹⁷ Formerly Donald Miller

²⁰ Formerly Harold M Pitman Co.

²³ Formerly Jasper Technology

²⁶ Formerly Sukut Construction

³ Formerly Lonestar International

⁶ Formerly Signal Walnut Partnership LLP

⁹ Formerly Commerce Construction

¹² Formerly Sunshine Growers Nursery

¹⁵ Formerly San Malone Enterprises, Inc.

¹⁸ Formerly Sentous Valley LLC

²¹ Formerly Jenny Hsieh

²⁴ Formerly Soo Hoo Customes Broker Inc.

²⁷ Formerly C.A. Rasmussen, Inc.

FIGURE 1.1
Pomona Water Department and Spadra Reuse Sites

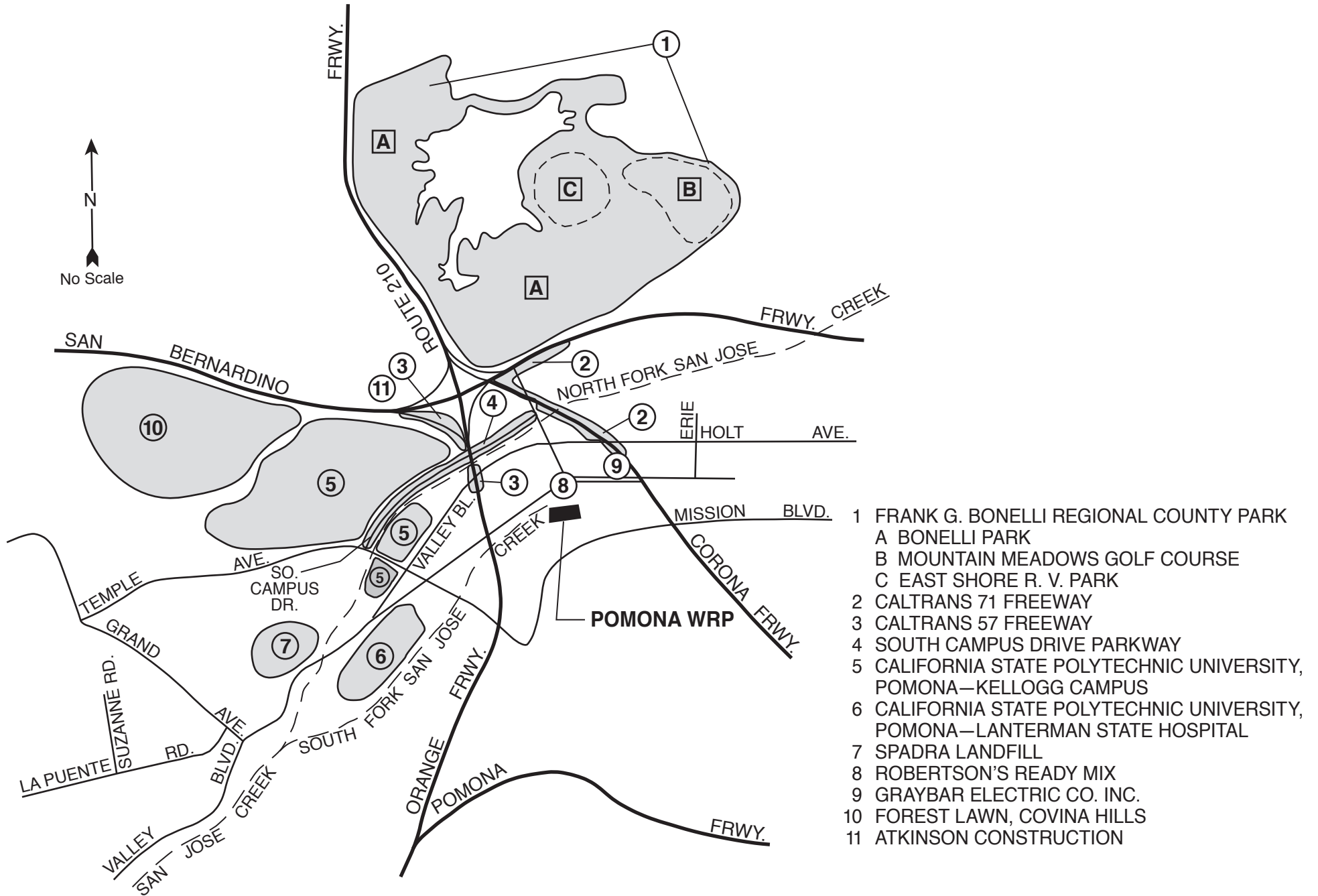


FIGURE 1.2
Walnut Valley Water District Recycled Water Distribution System
Reuse Sites

- | | | |
|---|--|---------------------------------------|
| 1. Walnut Ranch LMD | 38. First Chinese Baptist Church | 75. ExtraSpace Storage |
| 2. Snow Creek Park & LMD | 39. Valley Blvd. Medians | 76. Latter-Day Saints Church |
| 3. Suzanne Park | 40. Rodeo Ridge Estates | 78. Magnolia Homes |
| 4. Suzanne Middle School | 41. Brookside Equestrian Center | 79. Signal-Walnut Partnership |
| 5. Walnut High School | 42. Grand Avenue Medians | 80. Brea Cyn./Old Ranch Rd. Med. |
| 6. Vejar Elementary School | 43. Burger King Restaurant | 81. CLT Computers |
| 7. Morris Elementary School | 44. Business Parkway Center (multiple) | 82. Tri Net Court |
| 8. Lemon Creek Park | 45. Catellus Commerce Center (multiple) | 83. Walnut City Hall |
| 9. Friendship Park | 46. WVWD Offices | 84. Walnut Senior Center |
| 10. Hollingsworth Elem. School | 47. Dreyers Grand Ice Cream | 85. Community Day Sch./Kandyland |
| 11. Lanesboro Park | 48. Walnut Hills Village Shopping Center | 86. Sentous Valley LLC |
| 12. Nogales High School | 49. Golden Springs Dr. Medians | 87. Southcoast Cabinets |
| 13. Rincon Middle School | 50. West Golden Springs Dr. Medians | 88. Shell Station |
| 14. Sunshine Park | 51. Calvary Chapel Church | 89. Hing Wa Lee Plaza |
| 15. Schabarum Park | 52. Rowland Heights Comm. Church | 90. Sy Development Condos |
| 16. Queen of Heaven Cemetery | 53. Fairway Medians | 91. Industry East Land LLC |
| 17. Rowland Elementary School | 54. Sysco | 92. Valley Blvd. Medians |
| 18. Farjardo Elementary School | 55. Del Paso High School | 93. Kohl's Center |
| 19. CalTrans | 56. Circuit City | 94. Target |
| 20. Rowland Heights County Park | 57. Metrolink Station | 95. Christian Chapel of Walnut Valley |
| 21. Rowland High School | 58. Countryside Suites | 96. Home Depot |
| 22. Killian Elementary School | 59. Diamond Crest HOA | 97. FedEx |
| 23. Walnut Elementary School | 60. Norm Ashley Park | 98. Grand Avenue Venture |
| 24. WVUSD Admin. Service Center | 61. Waterfall Estates | 99. Currier Road Development |
| 25. Diamond Bar Golf Course | 62. Koll Plantation (multiple) | 100. Chili's Restaurant |
| 26. Gateway Corporate Center (multiple) | 63. McDonalds Restaurant | 101. Brea Cyn/Currier median |
| 27. Walnut Ridge LMD & Morningside Park | 64. Prudential Insurance | 102. Ybarra Elementary School |
| 28. Sunshine Growers Nursery | 65. Cross School of Education | 103. Bell Memorial Church |
| 29. Temple Avenue Medians | 66. Bank of the West | 104. Parker Canyon Reservoir |
| 30. Valley Business Center | 67. Gym/Teen Center | 105. Lemon Valley LLC |
| 31. Lemon Avenue Medians | 68. Harvard Estates | 106. St. Lorenzo Church |
| 32. Fajardo Park | 69. Wind River HOA | 107. Foothill Transit |
| 33. Walnut Ranch Park | 70. Walnut Nazarene Church | 108. CA Rasmussen |
| 34. Westhoff Elementary School | 71. Holiday Inn Express | 109. South Pointe Middle School |
| 35. Grand Crossing (multiple) | 72. Lemon Avenue Investments | 110. Industry Urban Development |
| 36. SCAQMD Headquarters | 73. Everbright Management | 111. Shea Homes |
| 37. Recycled Water Reservoirs | 74. V-Tec Automotive | 112. First General Bank |

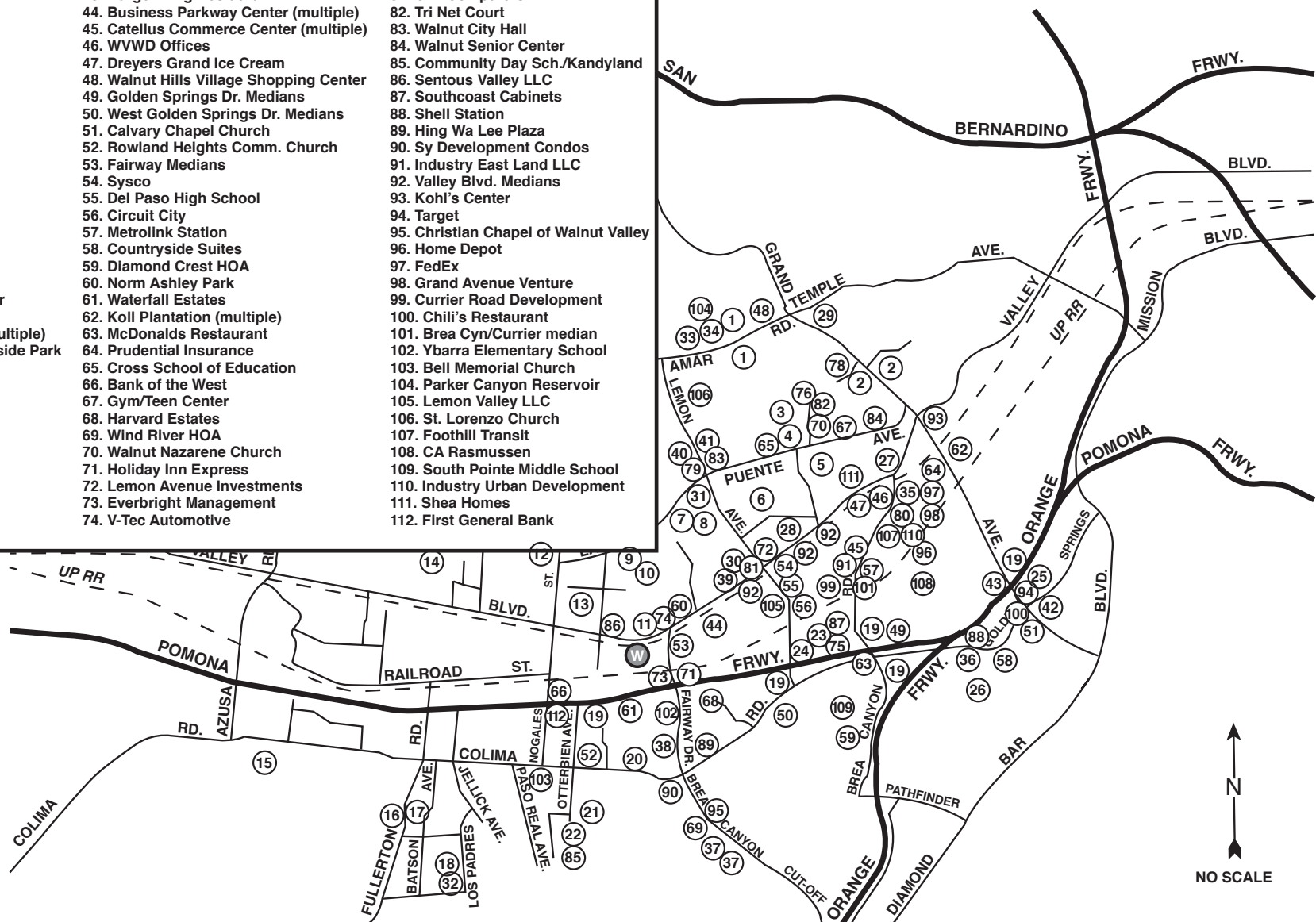


Figure 1.3
Pomona WRP Groundwater Recharge Sites

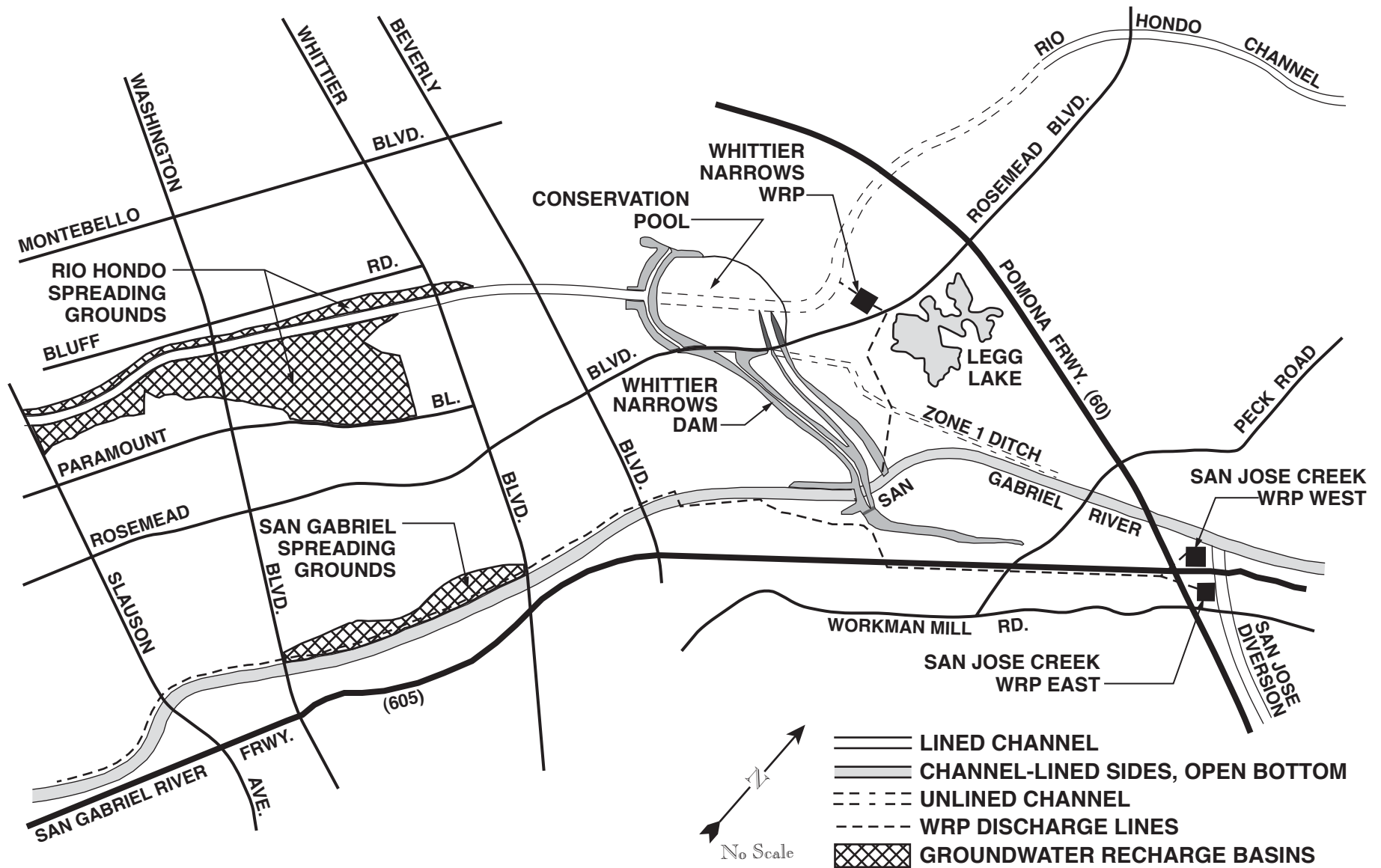
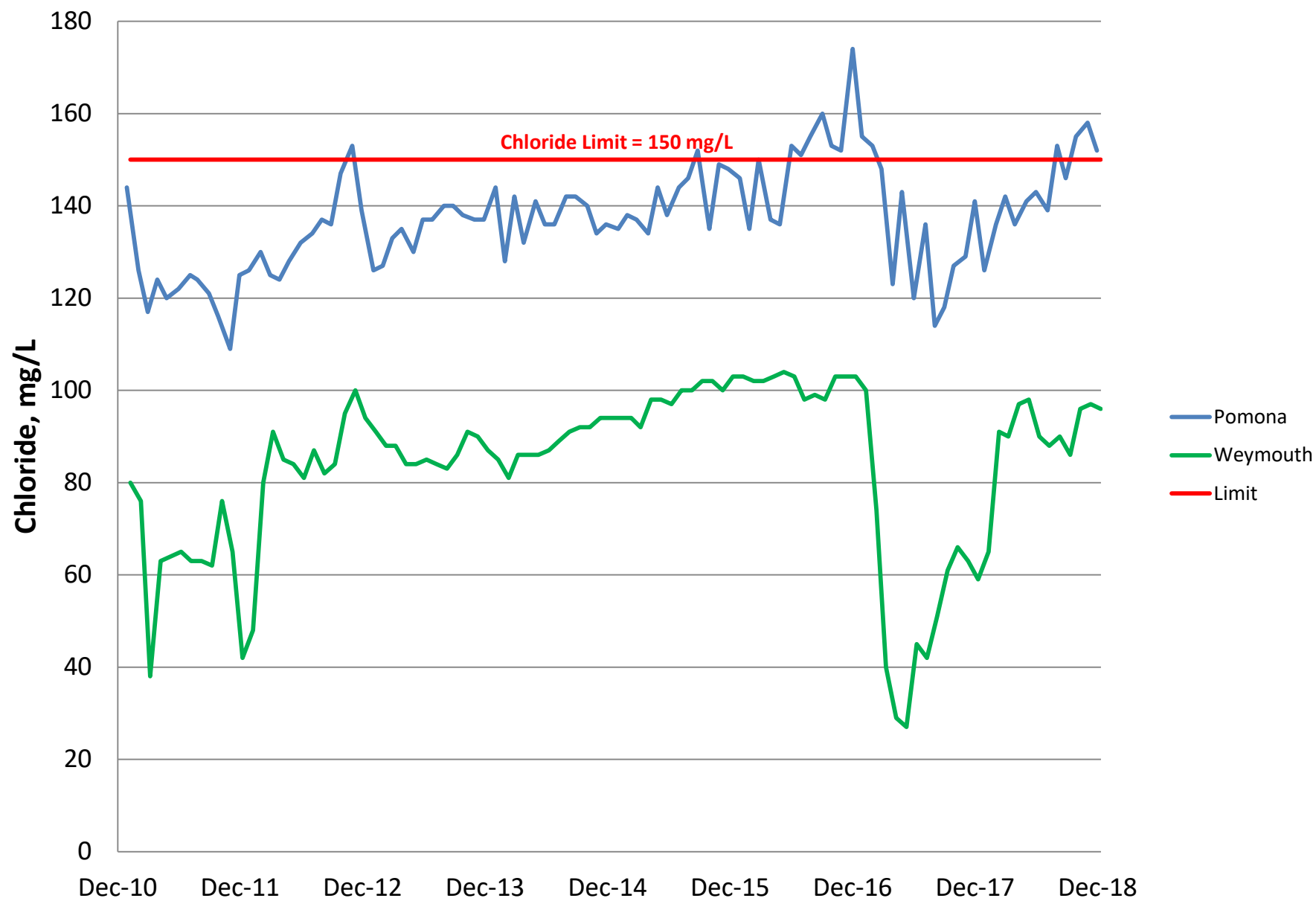


Figure 1.4: Pomona WRP and Weymouth FTP Effluent Chloride



Chapter 2. Facilities and Staff

2.1 Sanitation Districts Overview

The Joint Outfall System¹, the Santa Clarita Valley Sanitation District, County Sanitation District No. 14, and County Sanitation District No. 20 of Los Angeles County (Sanitation Districts) operate eleven wastewater treatment plants, listed in Table 2.1, and over 1,400 miles of trunk sewers in Los Angeles County. In addition, approximately 10,000 miles of local sewers, operated by other agencies, connect to the trunk sewers.

As indicated in Table 2.1, the Joint Outfall System is comprised of seven Sanitation Districts' treatment plants that are part of the same wastewater collection system, which treats approximately 90% of the Sanitation Districts' wastewater. Solids from the six upstream water reclamation plants are returned to the collection system and conveyed to the downstream Joint Water Pollution Control Plant (JWPCP) for further treatment (anaerobic digestion and dewatering) prior to transport for reuse or disposal. Located in the City of Santa Clarita, the Saugus and Valencia Water Reclamation Plants (WRPs) are in the same collection system with solids processing and handling taking place at the Valencia WRP. In the Antelope Valley of northern Los Angeles County, the Palmdale and Lancaster WRPs are stand-alone facilities, each with their own solids processing and handling facilities.

Nine of the eleven treatment plants provide tertiary treatment consisting of activated sludge secondary treatment with nitrification/denitrification followed by filtration and disinfection. Filtration is accomplished through inert media, with the exception of the Palmdale WRP, which utilizes cloth filtration. The La Cañada WRP uses extended aeration activated sludge to provide secondary treatment. The JWPCP provides pure oxygen activated sludge secondary treatment.

Most of the plants operate with more than one discharge permit. Of the eleven plants, eight have NPDES permits. The remaining three, the Lancaster, Palmdale, and La Cañada WRPs, have other types of permits that cover both Waste Discharge Requirements (WDR) and water recycling requirements (WRRs). Except for the JWPCP, all of the plants have reuse permits (non-NPDES) to provide recycled water for reuse. Separate permits cover groundwater replenishment using recycled water produced at the Pomona, San Jose Creek, and Whittier Narrows WRPs. In addition, the Valencia WRP has a general dewatering NPDES permit.

¹ Ownership and operation of the Joint Outfall System is proportionally shared among the signatory parties to the amended Joint Outfall Agreement effective July 1, 1995. These parties include County Sanitation Districts of Los Angeles County Nos. 1, 2, 3, 5, 8, 15, 16, 17, 18, 19, 21, 22, 23, 28, 29, and 34, and South Bay Cities Sanitation District of Los Angeles County.

Chapter 2. Facilities and Staff

Table 2.1 Sanitation Districts Wastewater Treatment Plants

Plant	Design Capacity (MGD)	Treatment Level	Solids Treatment Facilities	NPDES Permit	Reuse Permit	Groundwater Recharge Permit
Joint Outfall Sewerage System						
La Cañada WRP	0.2	Secondary ¹			X	
Long Beach WRP	25	Tertiary ²		X	X	
Los Coyotes WRP	37.5	Tertiary ²		X	X	
Pomona WRP	15	Tertiary ²		X	X	X
San Jose Creek WRP	100	Tertiary ²		X	X	X
Whittier Narrows WRP	15	Tertiary ²		X	X	X
Joint Water Pollution Control Plant (JWPCP)	400	Secondary	X	X		
Subtotal	592.7					
Santa Clarita Valley Sewerage System						
Saugus WRP	6.5	Tertiary ²		X	X	
Valencia WRP	21.6	Tertiary ²	X	X	X	
Subtotal	28.1					
Stand-alone Plants						
Lancaster WRP	18	Tertiary ²	X		X	
Palmdale WRP	12	Tertiary ³	X		X	
Subtotal	30.0					
Entire Sanitation Districts						
Total	650.8					

1. The La Cañada WRP has extended aeration activated sludge secondary treatment.
2. Tertiary treatment consists of activated sludge secondary treatment with nitrification/denitrification followed by inert media filtration and disinfection.
3. Tertiary treatment consists of activated sludge secondary treatment with nitrification/denitrification followed by cloth filtration and disinfection.

Chapter 2. Facilities and Staff

2.2 Pomona Water Reclamation Plant

The Pomona WRP is located at 295 Humane Way, Pomona, California, 91766. The location of the plant and its discharge point are shown in Figure 2.1.

As indicated in Table 2.1, the plant is covered by three wastewater permits held by the Sanitation Districts: one for NPDES discharge, one for reuse of recycled water for irrigation and other purposes, and one for groundwater recharge.

The NPDES discharge system contributes to groundwater recharge and is completely separate from the delivery system for direct recycled water reuse.

Process Descriptions

Figure 2.2 provides a process schematic of the Pomona WRP. The plant employs primary sedimentation, activated sludge biological treatment with nitrification/denitrification, secondary sedimentation, coagulation, inert media filtration, chlorination, and dechlorination. Treated wastewater that is used for groundwater recharge or discharged to lined channels is dechlorinated, but the portion that is delivered for reuse is not.

Chronology

The chronology in Table 2.2 is provided as background information to understand how the plant evolved to its present state of development.

Overview of Facility and Collection System Improvements and Planned Upgrades

During 2018, the pavement, gates, and fencing at the entrance to the Pomona WRP were replaced. Replacement of the remaining security fencing along the plant property boundary is in progress and is expected to be completed by the end of 2019. The plant will also replace the existing return activated sludge piping, and upgrade programmable logic controllers and control panels. These projects are expected to be completed by the end of 2019.

The Pomona WRP is part of the JOS integrated sewerage system. Several sewer rehabilitation projects were completed in 2018, including slip lining of the semi-elliptical Joint Outfall A – Unit 6 Trunk Sewer and the Joint Outfall C – Unit 3A Trunk Sewer that crosses beneath the Los Angeles River. The Joint Outfall “F” Odor Control Facility Upgrade was placed into service in Fall 2018. The Pomona Pumping Plant No. 4 Facility Upgrade is under construction and scheduled for completion by the end of 2019. Other planned upgrades include installation of standby generators at the Spring Street and Alamitos Pumping Plants, construction of the first phase of the 216th Street Replacement Trunk Sewer, and the phase three rehabilitation of the South Whittier Outfall Relief Trunk Sewer.

Operation and Maintenance (O&M) Manual

O&M Manual for the Pomona WRP was completed following the initial construction of this facility in 1970, and this manual has been updated periodically since then based on modifications or expansions of the treatment processes. The O&M Manual for this plant was most recently updated in August 2018.

Chapter 2. Facilities and Staff

Treatment Plant Operators

The operators at the Pomona WRP during the current reporting year and their certifications are listed in Table 2.3.

Table 2.2
Treatment Plant Chronology
Pomona WRP

<u>Item</u>	<u>Contract Number</u>	<u>Date</u>
Tri-City Plant (Pomona, Claremont, La Verne) constructed		07/26
Tri-City Plant(Pomona WRP) purchased by District 21	837	04/27/54
Stage I Expansion completed	1620	06/08/66
Primary Sedimentation Tank Revisions	1662	08/17/66
Pomona WRP No. 2 Influent Sewer	1755	02/04/68
Stage II Expansion	1813	
Completed		02/18/70
Accepted		02/25/70
Carbon filters, carbon regeneration facilities, and dechlorination facilities operational	2181	04/01/77
Stage III Expansion	3069	
Completed		04/12/91
Accepted		06/26/91
Effluent Filter Modifications	3203	
Completed		09/22/92
Accepted		12/09/92
Replacement of Variable Speed Drives	3593	
Sodium Hypochlorite and Bisulfite Facilities	3595	
Completed		09/30/99
Accepted		01/12/00
Modification of Control Room and Laboratory Building	3637	
Completed		01/31/00
Accepted		05/10/00
Replacement of Chlorine Contact Tank Baffles	3754	
Completed		06/28/01
Accepted		07/25/01
Primary Tank Skimmer Modifications	3848	
Completed		12/05/03
Accepted		01/28/04
Nitrification/Denitrification Facilities	3912	
Completed		06/28/04
Accepted		01/12/05
Demolition of Abandoned Structures	4151	
Completed		02/16/06
Accepted		09/27/06
Installation of Emergency Generator	4417	
Completed		01/14/10
Accepted		04/14/10
Filter Effluent Pump Station Electrical Upgrades	4669	
Completed		04/24/13
Accepted		12/17/13
Pavement and Fencing Repairs	5065	
Completed		05/22/18
Accepted		12/17/18
Security Fencing Replacement		

**Table 2.3
Treatment Plant Operators – 2018
Pomona WRP**

<u>Operator</u>	<u>Shift</u>	<u>Certification</u>
Charles Arellano, Supervisor	Day	Grade V
Benson Braxton, Foreman	Day	Grade III
Bradley Toole	Day	Grade III

Figure 2.1 Pomona Water Reclamation Plant Discharge Points and Receiving Water Stations

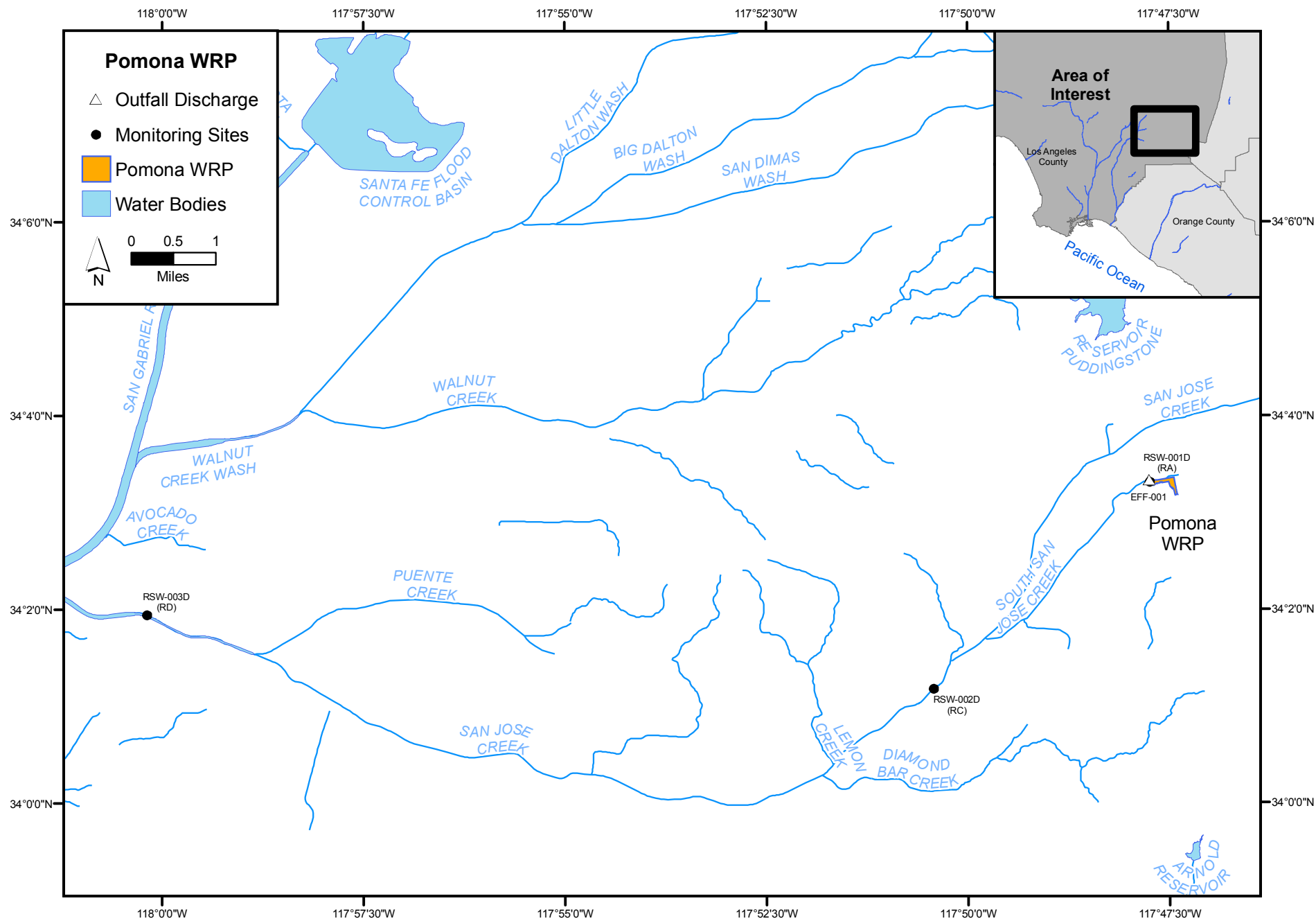
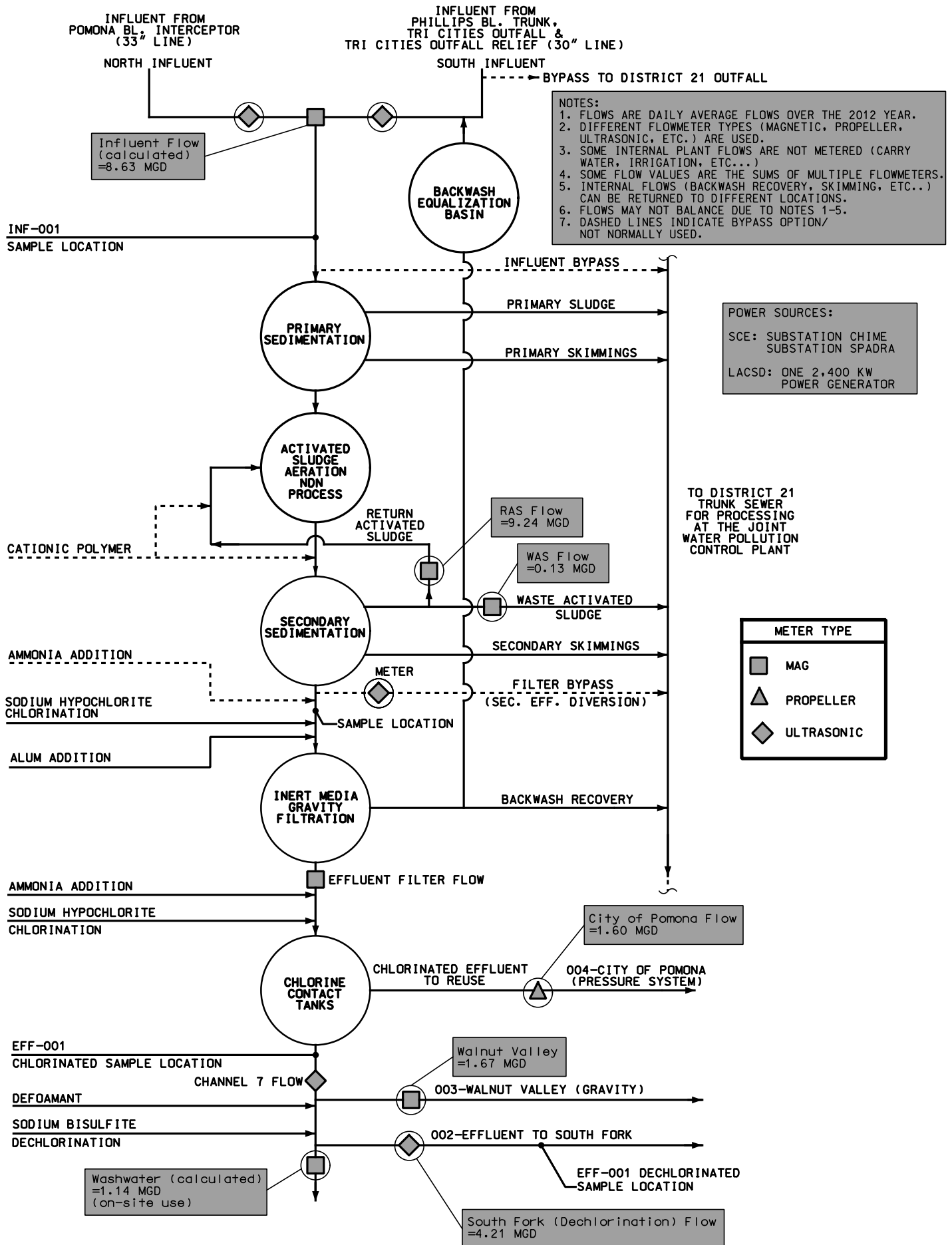


Figure 2.2

POMONA WATER RECLAMATION PLANT

PROCESS SCHEMATIC



Chapter 3. Laboratories

3.1 Introduction

The Sanitation Districts operate ten laboratories located at ten of their eleven wastewater treatment plants. The Laboratories Section consists of four major subsections: San Jose Creek Water Quality Laboratory (SJCWQL), Joint Water Pollution Control Plant Water Quality Laboratory (JWPCPWQL), Treatment Plant Laboratories (TPLs), and Quality Assurance/Sample Receiving and Supply Services. Approximately 180 staff members work within the Laboratories Section.

The Treatment Plant Laboratories subsection includes eight TPLs: Long Beach, Los Coyotes, Pomona, Whittier Narrows, Saugus, Valencia, Palmdale, and Lancaster. These laboratories focus primarily on process control of the associated treatment plants. Additional duties of the TPLs include a portion of the monitoring pursuant to waste discharge and water reclamation permits (generally simpler tests that do not require specialized equipment).

The two water quality laboratories are the SJCWQL and the JWPCPWQL. These laboratories utilize specialized equipment and expertise to perform analyses and to conduct scientific research. Both WQLs also function as TPLs and each includes a group that conducts process control tests for either the Joint Water Pollution Control Plant or the San Jose Creek Water Reclamation Plant.

There is no treatment plant laboratory at the La Cañada wastewater treatment facility. The SJCWQL functions as the laboratory for the La Cañada plant.

3.2 Quality Assurance Activities

The Quality Assurance (QA) Group of the Sanitation Districts' Laboratories Section is responsible for monitoring the validity and quality of analytical data generated by all ten laboratories. In order to accomplish this goal, strict adherence to the quality assurance plan (prepared by the QA Group) is required. The plan describes routine QA activities performed by the laboratories in order to assure the quality and defensibility of data reported.

In 2018, routine intra-laboratory and inter-laboratory QA activities included, but were not limited to, the following:

Intra-laboratory Quality Control

1. Each laboratory was required to perform quality control (QC) analyses with every analytical batch. These measures included the analysis of blanks, laboratory control standards, duplicate samples, and fortified samples at a frequency meeting or exceeding those required by the analytical methods.
2. Calibration standards were analyzed as required. For some tests, daily calibration verification standards were used to confirm that the initial calibration curve was still valid. For other tests, a multi-point calibration curve was prepared on each day of analysis.
3. For analysis of organic analytes, surrogate standards were added to every sample to monitor the overall performance of the procedure. The recoveries of these surrogates were evaluated using control limits established by the laboratories or as specified by the analytical reference methods.
4. On an ongoing basis, control limits for precision and accuracy were established and updated for laboratory analyses. In addition, charting of QC data was also performed by the laboratories to

Chapter 3. Laboratories

identify possible problematic trends. For situations where QC results were outside of the specified limits, corrective actions were initiated. These corrective actions included reanalysis of samples, instrument maintenance, preparation of new reagents, or review of an analyst's techniques and training. All corrective actions were documented and submitted to the QA Group for review.

5. The Microbiology Groups performed positive, negative, and sterility checks on each batch of prepared media. Positive and negative controls were also used to ensure the validity and quality of the sample analyses. Each month, chemical and bacteriological suitability testing was conducted on the laboratory reagent water used for routine microbiological analyses and media preparation.
6. For toxicity testing in the Biology Group, laboratory control water (i.e., dilution water) is tested with each analytical batch. Results of the laboratory control water must meet all test acceptability criteria for the species of interest. In addition, reference toxicant tests are used in toxicity testing as an indicator of the health and sensitivity of the test organisms being used and to document ongoing laboratory performance.

Inter-laboratory Quality Control

1. Annually, all laboratories generating analytical data for National Pollutant Discharge Elimination System (NPDES) monitoring programs are required to participate in the United States Environmental Protection Agency's (USEPA's) Discharge Monitoring Report – Quality Assurance (DMRQA) proficiency testing program. In 2018, Sanitation Districts' laboratories successfully completed DMRQA studies for chemistry, microbiology, and toxicity.
2. All ten Sanitation Districts' laboratories are accredited by the California State Water Resources Control Board's Environmental Laboratory Accreditation Program (ELAP). To fulfill the requirements for maintaining ELAP certification, each laboratory successfully analyzed proficiency testing samples for chemistry, microbiology, and toxicity (as applicable).
3. Over 1,300 QC samples in the form of blind check standards, either prepared in-house or purchased from commercial sources, were issued in 2018 by the QA Group to the Sanitation Districts' laboratories. Corrective actions were initiated and documented when a QC result fell outside of the specified acceptance range.
4. The QA Group also issued wastewater samples (referred to as split samples) collected from one of the treatment plants to evaluate method performance in real-world matrices. Statistical analyses were performed on the results of these samples to determine whether or not acceptable method performance had been achieved. Corrective actions were initiated and documented every time a result fell outside of the specified acceptance range.
5. Split samples for coliform testing and multiple-analyst plate counts were distributed to all the laboratories on a monthly basis as part of the microbiology QC program. Statistical analyses were performed on the results of these samples to determine whether or not acceptable method performance had been achieved. Corrective actions were initiated and documented every time a result fell outside of the specified acceptance range.

Chapter 3. Laboratories

3.3 Laboratory Analyses

The Laboratories Section received over 138,000 samples in 2018. Most of these samples were analyzed by the Sanitation Districts' laboratories; however, a portion was sent to commercial laboratories for analysis. For data generated by the Sanitation Districts Laboratories, multiple levels of data review and validation were performed prior to releasing them to internal or external data end users.

All commercial laboratories utilized by the Sanitation Districts in 2018 were certified by ELAP and/or the National Environmental Laboratory Accreditation Program. These laboratories were also required to have written comprehensive QA programs to ensure that data generated would be of known quality, scientifically sound, legally defensible, and accurately documented. Some of the laboratories that performed analyses for the Sanitation Districts in 2018 included Agriculture and Priority Pollutants Laboratories, Eurofins Calscience, Eurofins Eaton Analytical, FGL Environmental, North Coast Laboratories, TestAmerica Laboratories, Weck Laboratories, Nautilus Environmental, Pacific EcoRisk, and Vista Analytical.

3.4 Ethics And Data Integrity Training

The Sanitation Districts' laboratories are committed to generating analytical results and reports that are accurate and of the highest quality. The QA Group maintains an ethics and data integrity program that includes written Policies and Procedures (Appendix C of the QA Document¹) and annual training. All Sanitation Districts' laboratory personnel must adhere to the Ethics and Data Integrity Policies and Procedures.

Any employee who knowingly reports falsified or improperly manipulated data will be subject to disciplinary action. Employees who are aware of misrepresentation of facts regarding analytical data, or the manipulation of data, are also required to immediately inform their supervisor or a member of Management.

In addition, each laboratory employee is required to attend the annual ethics and data integrity training and to sign an Ethics and Data Integrity Agreement affirming that he/she understands the policy. In 2018, all laboratory employees attended the training and signed the Ethics and Data Integrity Agreement.

¹ Quality Assurance Group. *Quality Assurance Manual of the Sanitation Districts of Los Angeles County Laboratories Section*. Laboratory Manual. Sanitation Districts of Los Angeles County.

Chapter 4. Monitoring Data

4.1 Organization of the Data

Flow and influent/effluent monitoring laboratory data sets, including statistical summaries, are presented in tables and graphical summaries.

4.2 Detection Limits

Information in the annual report regarding detection limits is consistent with reporting requirements in the effective permits for the treatment plants. The Method Detection Level (MDL) and Minimum Level (ML)/Reporting Level (RL) for each constituent may have varied throughout the year. These are included directly in the tabular data as a range over the calendar year. Sample results are reported in accordance with the methodology listed below.

1. Sample results greater than or equal to the RL are reported “as measured” by the laboratory (i.e., the measured chemical concentration of the sample).
2. Sample results less than the RL, but greater than or equal to the laboratory’s MDL, are reported as “Detected, but Not Quantified” or DNQ. The estimated chemical concentration of the sample is shown as “DNQ, Est. Conc.=___”.
3. Sample results less than the laboratory’s MDL are reported as “Not Detected” or ND.

4.3 Data Calculations

Calculations of Sums

A few parameters, such as DDT and PCBs, are reported as sums. In those cases, the total detected DDT and total detected PCBs are shown. Results that are below the RL are not included in the sum. Consequently, if all isomers/congeners were below the reporting limit, the total is reported as “ND.”

Calculations of Averages

The following conventions are used in the annual report for data when more than one result is available and an average is determined:

- **Monthly Averages**

If the data are all detected, an arithmetic average is calculated. When one or more sample results contain one or more reported determinations of DNQ or ND, a median is used in place of the arithmetic mean in accordance with the following procedure:

1. The sample results are ranked from low to high, with reported ND determinations lowest, DNQ determinations next, and finally quantified values (if any). The order of the individual ND determinations is unimportant.
2. The median value of the sample results is determined. If the data set has an odd number of data points, then the median is the middle value. If the data set has an even number of data points, then the median is the average of the two values around the middle unless one or both of the points are ND or DNQ, in which case the median value is the lowest of the two data points where DNQ is lower than a quantified value and ND is lower than DNQ.

Chapter 4. Monitoring Data

- Annual Averages

If the monthly data are all detected, an arithmetic average is calculated. If both detected and ND and/or DNQ data are available, each ND and DNQ value is averaged as a zero with the detected values. If an average of zero is calculated it will be reported as an average of ND.

4.4 Permit Limits

A single plant may have several permits and several sets of limits, which, at a maximum, consist of the following:

- **NPDES Permit Limits** for discharge to navigable waterways.
- **Waste Discharge Requirements** for disposal to sites other than those covered by NPDES requirements (e.g., Lancaster and Palmdale WRPs).
- **Reuse Permit Limits** for nonpotable use in irrigation, impoundments, etc.
- **Recharge Limits** for groundwater replenishment in the Montebello Forebay.

Reuse and recharge permit limits are not shown in the effluent tables. The permit limits may be expressed in terms of an instantaneous maximum, daily average, 7-day average, weekly average, 30-day average, monthly average, and/or 12-month average.

Table 4.1
Pomona Water Reclamation Plant
2018 Monitoring Report
Flow Data, NPDES and Reuse Monthly Average

Date	Total Flow (MGD)			Peak Flow (MGD)		Reuse Flow (MGD)
	Influent	Effluent	NPDES	Influent	NPDES	Total Reuse
Jan	9.21	7.53	6.98	13.2	12.8	0.55
Feb	8.22	5.58	4.31	13.8	11.4	1.28
Mar	8.47	6.37	5.91	11.6	12.5	0.46
Apr	8.83	5.87	3.84	12.2	12.7	2.04
May	8.56	4.90	2.80	11.7	10.9	2.10
Jun	8.49	6.08	2.22	11.5	8.9	3.86
Jul	8.26	5.88	1.03	11.2	5.7	4.85
Aug	8.18	6.16	0.97	11.3	7.0	5.19
Sep	7.98	5.73	1.61	11.6	7.3	4.12
Oct	8.87	5.49	3.97	12.4	10.9	1.53
Nov	8.87	5.45	4.22	12.2	10.8	1.23
Dec	8.64	5.54	5.31	12.0	12.7	0.23
Mean	8.55	5.88	3.60	12.1	10.3	2.29
Max	9.21	7.53	6.98	13.8	12.8	5.19
Min	7.98	4.90	0.97	11.2	5.7	0.23

Note: Because the reuse flow values in this table are primarily based on pump station meters, the results may not exactly match the individually metered end-user data provided in Tables 1.4 and 1.5 of this report.

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L						ND				
1,2,3,4,6,7,8-HeptaCDD	pg/L						ND (1)				
1,2,3,4,6,7,8-HeptaCDF	pg/L						ND (1)				
1,2,3,4,7,8-HexaCDD	pg/L						ND (1)				
1,2,3,4,7,8-HexaCDF	pg/L						ND				
1,2,3,4,7,8,9-HeptaCDF	pg/L						ND				
1,2,3,6,7,8-HexaCDD	pg/L						ND				
1,2,3,6,7,8-HexaCDF	pg/L						ND				
1,2,3,7,8-PentaCDD	pg/L						ND				
1,2,3,7,8-PentaCDF	pg/L						ND				
1,2,3,7,8,9-HexaCDD	pg/L						ND (1)				
1,2,3,7,8,9-HexaCDF	pg/L						ND				
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L						1.5				
2-Chloroethylvinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,4,6,7,8-HexaCDF	pg/L						ND				
2,3,4,7,8-PentaCDF	pg/L						ND				
2,3,7,8-TCDD	pg/L		ND				ND		ND		
2,3,7,8-TetraCDF	pg/L						ND				
2,4-Dichlorophenol	ug/L						ND				
2,4-Dimethylphenol	ug/L						ND				
2,4-Dinitrophenol	ug/L						ND				
2,4-Dinitrotoluene	ug/L						ND				
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L						ND				
3-Methyl-4-chlorophenol	ug/L						ND				
3,3'-Dichlorobenzidine	ug/L						ND				
4-Bromophenyl phenyl ether	ug/L						ND				
4-Chlorophenyl phenyl ether	ug/L						ND				
4-Nitrophenol	ug/L						ND				
4,4-DDD	ug/L		ND		ND		ND		ND		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		ND		ND		ND		ND
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L						ND				
Ammonia nitrogen	mg/L	3.20	3.88	1.97	1.67	2.28	1.32	1.58	1.67	2.69	2.02
Anthracene	ug/L						ND				
Antimony	ug/L		DNQ Est. Conc. 0.45				0.51		DNQ Est. Conc. 0.48		
Aroclor 1016	ug/L		ND		ND		ND		ND		ND
Aroclor 1221	ug/L		ND		ND		ND		ND		ND
Aroclor 1232	ug/L		ND		ND		ND		ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND		ND		ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND		ND		ND		ND
Arsenic	ug/L		DNQ Est. Conc. 0.84				DNQ Est. Conc. 0.88		DNQ Est. Conc. 0.86		
Benzene	ug/L		ND		ND		ND		ND		ND

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND			EPA 625	1	0.20	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.22 - 0.31	51 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.18 - 0.63	51 - 54
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.24 - 0.68	51 - 54
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.48	ND	ND	DNQ Est. Conc. 0.48			EPA 1613B		0.22 - 0.41	51 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 0.49	ND	ND	DNQ Est. Conc. 0.49			EPA 1613B		0.23 - 0.74	51 - 54
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.24 - 0.66	51 - 54
1,2,3,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 0.36	51 - 54
1,2,3,7,8-PentaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.31 - 1.1	51 - 54
1,2,3,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.23 - 0.65	51 - 54
1,2,3,7,8,9-HexaCDD	pg/L		ND	ND (1)	ND	ND (1)			EPA 1613B		0.23 - 0.59	51 - 54
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.93	ND	ND	DNQ Est. Conc. 0.93			EPA 1613B		0.12 - 0.26	51 - 54
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,4-Dioxane	ug/L			1.5	1.5	1.5			SW-846 8270MOD 1,4-Dioxane		0.13	0.40
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.13 - 0.30	51 - 54
2,3,4,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.27 - 0.74	51 - 54
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.17 - 0.49	10 - 11
2,3,7,8-TetraCDF	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.19 - 0.37	10 - 11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	1.3	5.0 - 10.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	3.04	2.66	1.32	2.33	3.88	8.4	4.1	SM 4500 NH3 G		0.020	0.100 - 1.00
Anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L		0.55	DNQ Est. Conc. 0.45	0.26	0.55			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		DNQ Est. Conc. 0.81	DNQ Est. Conc. 0.81	ND	DNQ Est. Conc. 0.88			EPA 200.8	2	0.06 - 0.14	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L						ND				
Bis(2-chloroethoxy)methane	ug/L						ND				
bis(2-Chloroethyl) ether	ug/L						ND				
bis(2-Chloroisopropyl) ether	ug/L						ND				
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.25	0.27	0.27	0.26	0.26	0.28	0.28	0.32	0.31	0.27
Bromodichloromethane	ug/L	5.5	11.0	17.4	10.7	16.2	18.9	20.6	13.8	4.9	13.2
Bromoform	ug/L	ND	DNQ Est. Conc. 0.28	0.54	DNQ Est. Conc. 0.25	16.7	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.19	ND
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L		DNQ Est. Conc. 0.070				ND		DNQ Est. Conc. 0.060		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	126	136	142	136	141	143	139	153	146	155
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	15.0	22.2	28.8	25.4	5.4	44.7	49.1	29.0	14.5	54.8
Chlorpyrifos	ug/L						ND				
Chromium III	ug/L						1.17				
Chromium VI	ug/L		DNQ Est. Conc. 0.09				0.10		0.11		
Chrysene	ug/L						ND				
Copper	ug/L		5.51				5.76		4.89		
Cyanide	ug/L		DNQ Est. Conc. 2.0				DNQ Est. Conc. 2.6		DNQ Est. Conc. 2.5		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Diazinon	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L	0.90	2.1	4.5	2.2	27.6	3.7	4.0	3.0	0.91	2.3
Dieldrin	ug/L		ND		ND		ND		DNQ Est. Conc. 0.009		ND
Diethyl phthalate	ug/L						DNQ Est. Conc. 0.43				
Dimethyl phthalate	ug/L						ND				
Dissolved oxygen	mg/L	6.9	7.2	6.6	6.1	5.0	5.4	5.5	6.0	3.9	4.8
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L						ND				
Fluoride	mg/L		0.272		0.278		0.279		0.302		0.278
gamma-BHC	ug/L		ND		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		ND				2.94		ND		
Gross beta radioactivity	pCi/L		21.8				8.32		9.97		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND		ND		ND		ND		
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Iron	ug/L		62.0				48.2		32.2		
Isophorone	ug/L						ND				
Lead	ug/L	0.26	0.42	0.36	0.36	0.43	0.35	0.37	0.29	0.35	0.33
Mercury	ug/L		0.0036				0.0027		0.0025		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND				ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.25		ND
Methyl tert-butyl ether	ug/L		ND				ND		ND		
Methylene chloride	ug/L		ND		DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.25		ND		ND
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L	0.10	0.21	0.17	0.12	0.27	0.27	0.22	0.21	0.29	0.31

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2		0.070	0.10
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND		4	EPA 625	5	0.16	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.24	0.27	0.24	0.27	0.32		1	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	6.4	12.5	4.9	13	20.6			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	ND	DNQ Est. Conc. 0.26	ND	1.4	16.7			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.065	ND	ND	DNQ Est. Conc. 0.070			EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	158	152	126	144	158		180	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	15.6	49.0	5.4	29	54.8			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		1.12	1.12	1.14	1.17			EPA 200.8			0.50
Chromium VI	ug/L		0.28	DNQ Est. Conc. 0.09	0.10	0.28			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05 - 0.10
Chrysene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		4.80	4.80	5.24	5.76			EPA 200.8	0.5	0.05 - 0.11	0.50
Cyanide	ug/L		DNQ Est. Conc. 2.4	DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.6			SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	1.6	2.6	0.90	4.6	27.6			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L		ND	ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 0.43			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	5.6	6.2	3.9	5.8	7.2			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L		0.265	0.265	0.279	0.302			SM 4500 F C		0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		2.13	ND	1.27	2.94			EPA 900.0		1.82 - 5.56	1.82 - 5.56
Gross beta radioactivity	pCi/L		8.90	8.32	12.2	21.8			EPA 900.0		2.27 - 2.61	2.30 - 4.00
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.0030 - 0.17	0.050 - 1.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.014 - 0.53	0.050 - 5.0
Hexachloroethane	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L		26.3	26.3	42.2	62.0			EPA 200.8		3.0 - 3.2	20.0
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	0.37	0.35	0.26	0.35	0.43	166 (3)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		0.0018	0.0018	0.0026	0.0036			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.25			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.25			EPA 624	2	0.18 - 0.20	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.27	0.18	0.10	0.22	0.31			EPA 1625 (Modified)	5	0.0005	0.0020

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L		2.16				1.58		1.46		
Nitrate + nitrite as nitrogen	mg/L	6.69	2.82	4.26	5.96	4.11	6.24	7.22	7.21	7.09	7.38
Nitrate as nitrogen	mg/L	6.42	2.61	4.19	5.84	3.90	6.11	7.13	7.16	6.93	7.30
Nitrite as nitrogen	mg/L	0.265	0.206	0.072	0.116	0.212	0.126	0.086	0.053	0.164	0.078
Nitrobenzene	ug/L						ND				
OctaCDD	pg/L						ND (1)				
OctaCDF	pg/L						ND				
Oil and grease	mg/L		ND				ND		ND		
Organic nitrogen	mg/L	2.20	1.54	2.33	1.83	2.60	1.78	2.12	1.61	1.74	0.355
Orthophosphate-P	mg/L		0.489				0.167		0.082		
PCB-129/138/163	pg/L						ND (1)				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 18 (1)				
PCB-90/101/113	pg/L						DNQ Est. Conc. 16 (1)				
PCB-105	pg/L						ND				
PCB-114	pg/L						ND				
PCB-118	pg/L						DNQ Est. Conc. 12 (1)				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-158	pg/L						DNQ Est. Conc. 0.77				
PCB-167	pg/L						ND				
PCB-169	pg/L						ND				
PCB-170	pg/L						ND				
PCB-183	pg/L						ND (1)				
PCB-187	pg/L						ND				
PCB-189	pg/L						ND				
PCB-194	pg/L						ND				
PCB-201	pg/L						ND				
PCB-206	pg/L						ND				
PCB-37	pg/L						DNQ Est. Conc. 4.3				
PCB-52	pg/L						DNQ Est. Conc. 23 (1)				
PCB-66	pg/L						DNQ Est. Conc. 5.5				
PCB-77	pg/L						DNQ Est. Conc. 2.9				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 5.8				
PCB-110/115	pg/L						DNQ Est. Conc. 17 (1)				
PCB-128/166	pg/L						DNQ Est. Conc. 1.2				
PCB-135/151	pg/L						ND (1)				
PCB-147/149	pg/L						ND (1)				
PCB-153/168	pg/L						ND (1)				
PCB-156/157	pg/L						DNQ Est. Conc. 1.2				
PCB-18/30	pg/L						DNQ Est. Conc. 14				
PCB-180/193	pg/L						ND (1)				
PCB-20/28	pg/L						DNQ Est. Conc. 20				
PCB-44/47/65	pg/L						DNQ Est. Conc. 96 (1)				
PCB-49/69	pg/L						DNQ Est. Conc. 5.9				
PCB-86/87/97/108/119	pg/L						ND				
PCBs as Aroclors	ug/L		ND		ND		ND		ND		ND
PCBs as Congeners	pg/L						ND				
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.15	0.12	0.43	0.092	0.088	0.26	0.92	0.58	0.77	1.1
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24
pH	SU	7.4	7.5	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.4
Pyrene	ug/L						ND				
Radium-226 + radium-228	pCi/L								ND		
Selenium	ug/L	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.33
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.04				ND		ND		
Strontium-90	pCi/L		ND				ND		ND		
Sulfate	mg/L	61.5	62.0	59.6	60.7	69.4	67.3	75.5	81.8	74.7	71.5
Surfactant (CTAS)	mg/L		ND				ND		ND		
Surfactant (MBAS)	mg/L		0.10		ND		ND		ND		ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	71.8	71.4	70.9	74.1	75.6	80.2	84.5	85.9	84.3	81.4
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.17		DNQ Est. Conc. 0.10		ND		DNQ Est. Conc. 0.28		ND

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L		1.41	1.41	1.65	2.16			EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.42	6.61	2.82	6.08	7.42		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	7.24	6.39	2.61	5.94	7.30			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.178	0.220	0.053	0.15	0.265		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.36 - 0.48	100 - 110
OctaCDF	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.35 - 1.1	100 - 110
Oil and grease	mg/L		ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.1 - 4.8
Organic nitrogen	mg/L	1.91	1.20	0.355	1.77	2.60			EPA 351.2		0.130 - 0.135	0.200
Orthophosphate-P	mg/L		0.080	0.080	0.20	0.489			EPA 365.1		0.001 - 0.025	0.030
PCB-129/138/163	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.56	640
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 18 (1)	ND	DNQ Est. Conc. 18 (1)			EPA 1668		1.3	850
PCB-90/101/113	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		1.2	640
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.2	21
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-118	pg/L			DNQ Est. Conc. 12 (1)	ND	DNQ Est. Conc. 12 (1)			EPA 1668		1.1	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.2	21
PCB-158	pg/L			DNQ Est. Conc. 0.77	ND	DNQ Est. Conc. 0.77			EPA 1668		0.34	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.35	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.35	21
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.54	210
PCB-183	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.45	210
PCB-187	pg/L			ND	ND	ND			EPA 1668		0.52	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		0.46	21
PCB-194	pg/L			ND	ND	ND			EPA 1668		0.52	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.31	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.2	210
PCB-37	pg/L			DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3			EPA 1668		1.8	210
PCB-52	pg/L			DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)			EPA 1668		1.9	210
PCB-66	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668		1.4	210
PCB-77	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.3	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.3	21
PCB-99	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668		1.3	210
PCB-110/115	pg/L			DNQ Est. Conc. 17 (1)	ND	DNQ Est. Conc. 17 (1)			EPA 1668		1.1	420
PCB-128/166	pg/L			DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.42	420
PCB-135/151	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.49	420
PCB-147/149	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.46	420
PCB-153/168	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.38	420
PCB-156/157	pg/L			DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.48	42
PCB-18/30	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		1.8	420
PCB-180/193	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.42	420
PCB-20/28	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20			EPA 1668		2.0	420
PCB-44/47/65	pg/L			DNQ Est. Conc. 96 (1)	ND	DNQ Est. Conc. 96 (1)			EPA 1668		1.7	640
PCB-49/69	pg/L			DNQ Est. Conc. 5.9	ND	DNQ Est. Conc. 5.9			EPA 1668		1.5	420
PCB-86/87/97/108/119	pg/L			ND	ND	ND			EPA 1668		1.2	1300
PCBs as Aroclors	ug/L		ND	ND	ND	ND			EPA 608			
PCBs as Congeners	pg/L			ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L	0.43	0.51	0.088	0.45	1.1			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L		DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.24			EPA 625	1	0.12	1.0
pH	SU	7.4	7.3	7.3	7.4	7.5			SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L		ND	ND	ND	ND			Drinking H2O Radium Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.37	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.50	6.2 (4)	4.7 (4)	EPA 200.8	2	0.02 - 0.04	1.00
Settleable Solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	DNQ Est. Conc. 0.04			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		ND	ND	ND	ND			EPA 905.0		0.253 - 0.310	0.310 - 3.00
Sulfate	mg/L	64.6	68.7	59.6	68.1	81.8		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L		ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L		ND	ND	0.017	0.10		0.5	SM 5540C		0.02 - 0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	77.4	72.5	70.9	77.5	85.9	86 (5)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.28			EPA 624	2	0.06 - 0.19	0.50

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total chromium	ug/L		2.18				1.27		1.22		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	542	544	596	594	580	630	598	634	630	606
Total hardness	mg/L	201	232	224	226	234	229	212	204	186	200
Total Kjeldahl Nitrogen (TKN)	mg/L	5.40	6.20	4.30	3.50	4.88	3.10	3.70	3.28	4.43	2.38
Total nitrogen	mg/L	12.1	9.02	8.56	9.46	8.98	9.34	10.9	10.5	11.5	9.76
Total phosphorus	mg/L		0.68				0.241		0.126		
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	21.4	35.6	51.2	38.3	65.9	67.3	73.7	45.8	20.3	70.5
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L						ND				
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		ND				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.60	0.67	0.58	0.73	0.84	0.62	0.57	0.42	0.66	0.59
Uranium	pCi/L		0.352				ND		ND		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		64.7				79.4		62.7		

Table 4.2
Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total chromium	ug/L		1.40	1.22	1.52	2.18			EPA 200.8	0.5	0.10 - 0.11	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	(6)	(6)	SM 9222B		1	1
Total dissolved solids	mg/L	595	602	542	596	634		750	SM 2540C		2.7	50.0 - 83.3
Total hardness	mg/L	208	215	186	214	234			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	4.95	3.86	2.38	4.16	6.20			EPA 351.2		0.130 - 0.135	0.200 - 1.00
Total nitrogen	mg/L	12.4	10.5	8.56	10.2	12.4			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L		0.137	0.126	0.30	0.68			EPA 365.1		0.001 - 0.028	0.030 - 0.040
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 5.6
Total trihalomethanes	ug/L	23.6	64.1	20.3	48.1	73.7		80	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L		ND	ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	ND	ND			EPA 906.0		304 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.54	0.42	0.62	0.84	2		SM 2130B		0.12	0.12
Uranium	pCi/L		ND	ND	0.0880	0.352			EPA 908.0		0.110 - 0.342	0.342 - 1.00
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		72.8	62.7	69.9	79.4			EPA 200.8	1	0.60 - 0.70	1.00

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

(3) Wet weather effluent limit.

(4) Dry weather effluent limit.

(5) The temperature of wastes discharged shall not exceed 86°F except as a result of external ambient temperature.

(6) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

Pomona Water Reclamation Plant

Appendix A

Laboratory Certifications



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Joint Pollution Control Plant Water Quality Laboratory

24501 South Figueroa Street

Carson, CA 90745

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1034**

Expiration Date: **10/31/2019**

Effective Date: **11/1/2017**

A handwritten signature in black ink, reading "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Lancaster Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

1865 West Avenue D

Lancaster, CA 93534

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1051**

Expiration Date: **12/31/2019**

Effective Date: **1/1/2018**

A handwritten signature in dark ink, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Long Beach Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

7400 East Willow Street

Long Beach, CA 90815

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

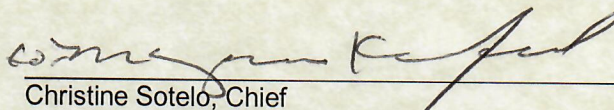
This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1033**

Expiration Date: **10/31/2019**

Effective Date: **11/1/2017**

Sacramento, California
subject to forfeiture or revocation


Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Los Coyotes Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

16515 Piuma Avenue

Cerritos, CA 90701

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1031**

Expiration Date: **10/31/2019**

Effective Date: **11/1/2017**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Palmdale Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

39300 30th Street East

Palmdale, CA 93550

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2802**

Expiration Date: **4/30/2018**

Effective Date: **5/1/2016**

A handwritten signature in black ink, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Palmdale Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

39300 30th Street East

Palmdale, CA 93550

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2802**

Expiration Date: **4/30/2020**

Effective Date: **5/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Pomona Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

295 Humane Way

Pomona, CA 91766

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1068**

Expiration Date: **12/31/2019**

Effective Date: **1/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Saugus Treatment Plant Laboratory

26200 Springbrook Avenue

Saugus, CA 91350

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1040**

Expiration Date: **11/30/2019**

Effective Date: **12/1/2017**

A handwritten signature in black ink, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Laboratory: San Jose Creek Water Quality Laboratory

1965 South Workman Mill Road

Whittier, CA 90601

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1052**

Expiration Date: **11/30/2019**

Effective Date: **12/1/2017**

Sacramento, California
subject to forfeiture or revocation

A handwritten signature in cursive script, reading "Christine Sotelo".

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Laboratory: Valencia Treatment Plant Laboratory

28185 The Old Road

Valencia, CA 91335

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1041**

Expiration Date: **11/30/2019**

Effective Date: **12/1/2017**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



CALIFORNIA

Water Boards

STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Whittier Narrows Treatment Plant Laboratory

Sanitation Districts of Los Angeles County

301 North Rosemead Boulevard

El Monte, CA 91733

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1036**

Expiration Date: **12/31/2019**

Effective Date: **1/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



ARIZONA DEPARTMENT
OF HEALTH SERVICES

ENVIRONMENTAL LABORATORY LICENSE

Issued to:

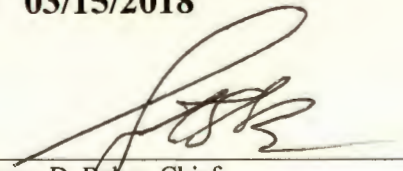
Laboratory Director: Michael Hoxsey
Owner/Representative: Joseph Gully

Joint Water Pollution Water Quality Laboratory
AZ0703

is in compliance with Environmental Laboratory's applicable standards for the State of Arizona and maintains on file a List of Parameters for which the laboratory is certified to perform analysis.

PERIOD OF LICENSURE FROM: 03/15/2017 TO: 03/15/2018




Steven D. Baker, Chief
Office of Laboratory Licensure & Certification
Bureau of State Laboratory Services



ARIZONA DEPARTMENT
OF HEALTH SERVICES

ENVIRONMENTAL LABORATORY LICENSE

Issued to:

Laboratory Director: Michael Hoxsey

Owner/Representative: Joseph Gully

Joint Water Pollution Water Quality Laboratory

AZ0703

is in compliance with Environmental Laboratory's applicable standards for the State of Arizona and maintains on file a List of Parameters for which the laboratory is certified to perform analysis.

PERIOD OF LICENSURE FROM: 03/15/2018 TO: 03/16/2019



Steven D. Baker, Chief
Office of Laboratory Licensure & Certification
Bureau of State Laboratory Services