2015 ANNUAL REPORT

INDUSTRIAL WASTE PRETREATMENT PROGRAM

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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APPENDIX G
PRIORITY POLLUTANT MONITORING AT TREATMENT PLANTS WHICH ACCEPT INDUSTRIAL WASTEWATER

This Appendix contains the results from priority pollutant monitoring at the District's treatment plants which accept industrial wastewater.

Joint Water Pollution Control Plant Influent Monitoring

Joint Water Pollution Control Plant Effluent Monitoring

Joint Water Pollution Control Plant Biosolids Monitoring

Lancaster WRP Influent Monitoring

Lancaster WRP Effluent Monitoring

Lancaster WRP Biosolids Monitoring

Long Beach WRP Influent Monitoring

Long Beach WRP Effluent Monitoring

Los Coyotes WRP Influent Monitoring

Los Coyotes WRP Effluent Monitoring

Palmdale WRP Influent Monitoring

Palmdale WRP Effluent Monitoring

Palmdale WRP Biosolids Monitoring

Pomona WRP Influent Monitoring

Pomona WRP Effluent Monitoring

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek WRP, West, Effluent Monitoring

Saugus WRP Influent Monitoring

Saugus WRP Effluent Monitoring

Valencia WRP Influent Monitoring

Valencia WRP Effluent Monitoring

Valencia WRP Biosolids Monitoring

Whittier Narrows WRP Influent Monitoring

Whittier Narrows WRP Effluent Monitoring

This language applies for data included for the Joint Water Pollution Control Plant (JWPCP) and the Long Beach, Los Coyotes, Pomona, San Jose Creek, Saugus, Valencia, and Whittier Narrows Water Reclamation Plants (WRPs).

1. ORGANIZATION OF THE DATA

Flow and laboratory data sets are presented in separate tables, and statistical summaries follow the data. These data summaries may contain results that were not reported in monthly monitoring reports. Additional data can result from sampling conducted for purposes other than routine monitoring. The additional sampling may have been performed by other agencies (i.e., Regional Board or USEPA) or by the Sanitation Districts for research or as a follow-up to a questionable sample.

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.

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 none of the isomers/congeners was detected, 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 or DNQ 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.

- 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. 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 permit limits are not shown in the effluent table. The permits 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.

5. PERFORMANCE GOALS

The JWPCP NPDES permit includes effluent quality performance goals for 69 constituents. Selected effluent quality performance goals were assigned for constituents that are regularly detected, and were numerically set using effluent performance data for the period of November 2002 to August 2005 to determine the 95th percentile of the normal distribution. Other constituents that were not detected were assigned performance goals five times (for carcinogens and marine aquatic life toxicants) or ten times (for noncarcinogens) the minimum reporting limits in the 2004 annual report. In other cases, the maximum detected effluent concentration from November 2002 to August 2005 was prescribed as the performance goal.

The performance goals are intended to reflect extreme (i.e., 95th percentile) historical values in plant effluent quality, which resulted from normal variability in the plant operation, the influent water quality, etc. The performance goals are not intended to determine compliance. Instead, the objective of the performance goals is to monitor plant performance by comparing effluent water quality data to the performance goal. For example, a single exceedance of a performance goal may be the result of normal

variability in the data, since such an exceedance can be expected occasionally (i.e., 5 percent of the time) for performance goals set at the 95th percentile. However, if an exceedance of the same goal persists, it may indicate a substantial change in plant performance, influent quality, or other causes not explained by normal and expected variability. In such cases, the JWPCP permit requirements state that the discharger must investigate the reason for the continuing exceedance of the performance goal.

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
% MOISTURE	158
% ORGANIC MATTER	406
1,1,1,2-TETRACHLOROETHANE	6D5
1,1,1-TRICHLOROETHANE	603
1,1,2,2-TETRACHLOROETHANE	653
1,1,2-TRICHLOROETHANE	618
1,1-DICHLOROETHANE	616
1,1-DICHLOROETHENE	605
1,1-DICHLOROPROPENE	6C7
1,2,3,4-TETRAMETHYLBENZEN	686
1,2,3-TRICHLOROBENZENE	889
1,2,3-TRICHLOROPROPANE	6D6
1,2,4,5-TETRACHLOROBENZEN	8E7
1,2,4-TRICHLOROBENZENE	846
1,2,4-TRIMETHYLBENZENE	6J6
1,2-DIBROMO-3-CHLOROPROPA	6C3
1,2-DIBROMOETHANE	673
1,2-DICHLOROBENZENE	819
1,2-DICHLOROETHANE	619
1,2-DICHLOROETHANE-D4	S10
1,2-DICHLOROPROPANE	650
1,2-DIPHENYLHYDRAZINE	829
1,3,5-TRICHLOROBENZENE	899
1,3,5-TRIMETHYLBENZENE	661
1,3-BUTADIENE	675
1,3-DICHLOROBENZENE	820
1,3-DICHLOROPROPANE	6C5
1,4-DICHLOROBENZENE	821
1,4-DICHLOROBENZENE-D4	I01
1,4-DICHLOROBENZENE-D4	S20
1,4-DICHLOROBUTANE	S08
1,4-DIOXANE	696
1,4-DIOXANE-D8	I06
1,4-NAPHTHOQUINONE	8C7
1234678HEPCHLRDIBENZDIOXN	D27
1234678HEPTCHLORDIBENZFUR	F23
1234789HEPTCHLORDIBENZFUR	F24
123478HEXCHLORDIBENZDIOXN	D24
123478HEXCHLORODIBENZOFUR	F19
1234TETRCHLORDIBENZDIOXIN	D18
123678HEXCHLORDIBENZDIOXN	D25
123678HEXCHLORODIBENZOFUR	F20
123789HEXCHLORDIBENZDIOXN	D26
123789HEXCHLORODIBENZOFUR	F22
12378PENCHLORDIBENZDIOXIN	D22
12378PENTACHLORODIBENZFUR	F17
123TRICHLORODIBENZODIOXIN	D14
123TRICHLORODIBENZOFURAN	F15
12478PENCHLORDIBENZDIOXIN	D23
124TRICHLORODIBENZODIOXIN	D15
1278TETRCHLORDIBENZDIOXIN	D19
12DICHLORODIBENZOFURAN	F13
1378TETRCHLORDIBENZDIOXIN	D20
16DICHLORODIBENZODIOXIN	D11
178TRICHLORODIBENZODIOXIN	D16
17-ALPHA ETHYNYLESTRADIOL	E03
17-BETA ESTRADIOL	E02

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
1-BROMO-2-FLUOROETHANE	I05
1CHLORODIBENZODIOXIN	D09
1CHLORODIBENZOFURAN	F09
1-METHYLNAPHTHALENE	894
1-METHYLPHENANTHRENE	896
1-NAPHTHYLAMINE	8C8
1-PROPANOL	671
2,2-DICHLOROPROPANE	6C6
2,3,4,5-TETRACHLOROPHENOL	687
2,3,4,6-TETRACHLOROPHENOL	8E8
2,3,4-TRICHLOROPHENOL	693
2,3,5,6-TETRACHLOROPHENOL	688
2,3,5-TRICHLOROPHENOL	689
2,3,5-TRIMETHYLNAPHTHALEN	898
2,3,6-TRICHLOROPHENOL	690
2,3,7,8-TCDD	844
2,3-BENZOFLUORENE	884
2,3-DICHLOROANILINE	864
2,4,5,6-TETRACHLORO-M-XYL	S13
2,4,5-T	5C1
2,4,5-TP(SILVEX)	518
2,4,5-TRICHLOROPHENOL	691
2,4,6-TRIBROMOPHENOL	S06
2,4,6-TRICHLOROPHENOL	664
2,4,6-TRICHLOROPHENOL	856
2,4-D(ACID)	517
2,4-DB	5C2
2,4-DICHLOROPHENOL	658
2,4-DICHLOROPHENOL	847
2,4-DIMETHYLPHENOL	626
2,4-DIMETHYLPHENOL	848
2,4-DINITROPHENOL	849
2,4-DINITROTOLUENE	826
2,6-DICHLOROPHENOL	8A9
2,6-DIMETHYLNAPHTHALENE	892
2,6-DINITROTOLUENE	827
2.4-DP (DICHLORPROP)	5B7
234678HEXCHLORODIBENZOFUR	F21
23478PENTACHLORODIBENZFUR	F18
2378TETRACHLORODIBENZOFUR	F16
2378TETRCHLORDIBENZDIOXIN	D21
237TRICHLORODIBENZODIOXIN	D17
23DICHLORODIBENZODIOXIN	D12
23DICHLORODIBENZOFURAN	F14
27DICHLORODIBENZODIOXIN	D13
2-ACETYLAMINOFLUORENE	8A2
2-BUTANONE	680
2CHLORODIBENZODIOXIN	D10
2CHLORODIBENZOFURAN	F10
2-CHLOROETHYLVINYLETHER	648
2-CHLORONAPHTHALENE	815
2-CHLOROPHENOL	657
2-CHLOROPHENOL	845
2-CHLOROTOLUENE	6J4
2-ETHYLTOLUENE	660
2-FLUOROBIPHENYL	S05
2-FLUOROPHENOL	S01
2-HEXANONE	699

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
2-METHYL FLUORANTHENE	887
2-METHYL-4,6DINITROPHENOL	850
2-METHYLNAPHTHALENE	8C6
2-METHYLNAPHTHALENE	895
2-NAPHTHYLAMINE	8C9
2-NITROPHENOL	851
2-PROPANOL	672
3,3'-DICHLOROBENZIDINE	822
3,3'-DIMETHYLBENZIDINE	8B3
3,4,5-TRICHLOROPHENOL	692
3,6-DIMETHYLPHENANTHRENE	893
3CHLORODIBENZOFURAN	F11
3-METHYLCHOLANTHRENE	8C4
4-AMINOBIPHENYL	8A3
4-BROMOFLUOROBENZENE	S12
4-BROMOPHENYL PHENYLETHER	813
4-CHLORO-3-METHYLPHENOL	656
4-CHLORO-3-METHYLPHENOL	853
4CHLORODIBENZOFURAN	F12
4-CHLOROPHENYLPHENYLETHER	816
4-CHLOROTOLUENE	6J5
4-METHYL-2-PENTANONE	681
4-NITROPHENOL	852
4-NONYLPHENOL	E05
4-TER OCTYLPHENOL	E06
5-NITRO-O-TOLUIDINE	8D9
7,12-DIMETHYLBENZ(A)ANTHR	8B2
7,12DIMETHYLBENZ(A)ANTHRA	888
9,10-DIPHENYLANTHRACENE	883
90 FATHEAD ACUTE	B18
90 MENIDIA ACUTE	B19
ACENAPHTHENE	800
ACENAPHTHENE-D10	S22
ACENAPHTHYLENE	801
ACETIC ACID	639
ACETONE	676
ACETONITRILE	665
ACETOPHENONE	8A1
ACID CONC.	344
ACIDITY	318
ACROLEIN	654
ACRYLONITRILE	655
ACTINOLITE FIBERS	CA1
ADA (ANTHRAQUINONE DSA)	329
AEROBIC PLATE COUNT	354
AIR (O2 + AR + N2)	331
ALDICARB	3B7
ALDRIN	512
ALGAE COUNT	360
ALLYL CHLORIDE	6B8
ALPHA-BHC	508
ALUMINUM	707
AMMONIA NITROGEN	1S6
AMMONIA NITROGEN	201
AMOSITE FIBERS	CA2
ANAEROBIC PLATE COUNT	355
ANTHOPHYLLITE FIBERS	CA3
ANTHRACENE	802

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
ANTIMONY	725
ARGON (AR)	333
AROCLOR 1016	535
AROCLOR 1221	536
AROCLOR 1232	537
AROCLOR 1242	519
AROCLOR 1248	538
AROCLOR 1254	520
AROCLOR 1260	539
ARSENIC	705
ATRAZINE	550
AVAILABLE CALCIUM OXIDE	321
AVAILABLE CYANIDE	212
AVAILABLE PHOSPHORUS	339
BACTERIOPHAGE	382
BARIUM	706
BAYGON	5E9
BENTAZON	5E3
BENZENE	620
BENZIDINE	803
BENZO(A)ANTHRACENE	804
BENZO(A)PYRENE	805
BENZO(B)FLUORANTHENE	806
BENZO(E)PYRENE	890
BENZO(G.H.I.)PERYLENE	807
BENZO(K)FLUORANTHENE	808
BENZYL ALCOHOL	8A4
BENZYL CHLORIDE	678
BERYLLIUM	726
BETA-BHC	523
BICARBONATE ALKALINITY	306
BIOLOGICAL EXAMINATION	X06
BIPHENYL	891
BIS(2-CHLOROETHYL)ETHER	810
BIS(2-CL-ETHOXY)METHANE	809
BIS(2-CL-ISOPROPYL)ETHER	811
BISMUTH	727
BISPHENOL A	E04
BORON	314
BROMIDE	319
BROMOCHLOROMETHANE	6B9
BROMODICHLOROMETHANE	608
BROMOETHANE	694
BROMOFORM	610
BROMOMETHANE	646
BULK DENSITY	161
BUTANE	635
BUTYLBENZYL PHTHALATE	814
BUTYRIC ACID	642
C. PERFRINGENS	B51
CADMIUM	708
CALCIUM	703
CALCIUM OXIDE	748
CALCIUM-HARDNESS	701
CAM TEST	C01
CAMPYLOBACTER	386
CAPTAN	5F2
CARBARYL	5F3

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
CARBAZOLE	859
CARBOFURAN	5E4
CARBON DIOXIDE (CO2)	336
CARBON DISULFIDE	285
CARBON DISULFIDE	698
CARBON MONOXIDE (CO)	337
CARBON TETRACHLORIDE	604
CARBONACEOUS BOD5 (CBOD5	412
CARBONATE ALKALINITY	307
CARBONYL SULFIDE	284
CATION EXCH. CAPACITY	108
CCL4 ACTIVITY (CARBON)	121
CERIO. CHRONIC-SURVIVAL	B06
CERIO.CHRONIC-REPRODUCT'N	B07
CERIUM	728
CESIUM	729
CHLORATE	3B3
CHLORIDE	301
CHLORIDE MASS EMISS. RATE	973
CHLORINATED PESTICIDES	5B0
CHLORINE DEMAND	303
CHLORINE REQUIR.	304
CHLORINE RESIDUAL	302
CHLOROBENZENE	611
CHLOROBENZENE-D5	I04
CHLOROBENZILATE	8A6
CHLOROETHANE	647
CHLOROFORM	602
CHLOROMETHANE	649
CHLOROPHYLL A	364
CHLOROPICRIN	6B3
CHLOROPRENE	6C2
CHLORPROPHAM	5F4
CHLORPYRIFOS	5D8
CHRYSENE	817
CHRYSENE-D12	S24
CHRYSOTILE FIBERS	CA4
CIS-1,2-DICHLOROETHYLENE	677
CIS-1,3-DICHLOROPROPENE	651
CIS-CHLORDANE	526
CIS-CHLORDENE	541
CIS-NONACHLOR	543
CLOSTRIDIUM PERFRINGENS	375
CN AMENABLE TO CHLORINE	210
COBALT	711
COLOR, APPARENT	104
COLOR,TRUE	132
CONDUCTIVITY	1S4
CONDUCTIVITY	102
COPPER	712
CROCIDOLITE FIBERS	CA5
CRYPTOSPORIDIUM	B53
DALAPON	5B5
DECACH3CYCLOPENTASILOXANE	6E0
DECACHLOROBIPHENYL	S14
DECAFLUOROBIPHENYL	S04
DECAMETHYLTETRASILOXANE	6G0
DELTA-BHC	524

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
DEMETON	5D3
DEPTH TO BOTTOM	901
DEPTH TO WATER	1S8
DEPTH TO WATER	900
DEUTERIUM	133
DI(2-ETHYLHEXYL)ADIPATE	3B5
DIALLATE	8A7
DIAZINON	5D9
DIBENZO(A,H)ANTHRACENE	818
DIBENZOFURAN	8A8
DIBROMOCHLOROMETHANE	609
DIBROMOFLUOROMETHANE	S09
DICAMBA	5B6
DICHLORODIBENZODIOXINS	D02
DICHLORODIBENZOFURANS	F02
DICHLORVOS	5B1
DICYCLOPENTADIENE	6B5
DIELDRIN	513
DIETHYL PHTHALATE	823
DIETHYL SULFIDE	290
DIETHYLAMINE	6E3
DIETHYLHEXYL PHTHALATE	812
DI-ISOPROPYL ETHER	6F4
DIMETHOATE	5C7
DIMETHYL PHTHALATE	824
DIMETHYL SULFIDE	286
DIMETHYLDISULFIDE	291
DI-N-BUTYL PHTHALATE	825
DI-N-OCTYL PHTHALATE	828
DINOSEB	5C3
DIPHENYLAMINE	8B5
DIQUAT	5E1
DISSOLVED CARBON DIOXIDE	409
DISSOLVED ORGANIC CARBON	455
DISSOLVED OXYGEN	1S3
DISSOLVED OXYGEN	115
DISULFOTON	5C8
DIVERSITY INDEX	361
DNA SEQUENCING	X11
DODECACH3CYCLOHEXSILOXANE	6G3
DODECAMETHYLPENTASILOXANE	6G1
E. COLI	B50
E. COLI (IDEXX)	366
E.COLI(MF)	B49
ECE (SOIL SALINITY)	E01
EDTA	327
EDTA-IRON(I)	347
ENDOSULFAN I	531
ENDOSULFAN II	532
ENDOSULFAN SULFATE	533
ENDOTHALL	3B6
ENDRIN	514
ENDRIN ALDEHYDE	534
ENTEROCOCCUS	359
ENTEROCOCCUS (IDEXX)	367
ENTEROCOCCUS (MF)	357
ENTEROCOCCUS(MPN)	B48
ENTEROPATHOGENIC E. COLI	383

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
EPA EXTRACTION PROCEDURE	172
ETHANE	633
ETHANOL	623
ETHION	5E8
ETHYL ACETATE	6E4
ETHYL BENZENE	624
ETHYL MERCAPTAN	260
ETHYL MERCAPTAN	283
ETHYL METHACRYLATE	6D8
ETHYL METHANESULFONATE	8B6
ETHYL PARATHION	5D1
ETHYLENE GLYCOL	5F1
ETHYL-TERT BUTYL ETHER	6F5
FAMPHUR	8B7
FATHEAD 96H-ACUTE-100%EFF	B02
FATHEAD 96H-ACUTE-CONC	B03
FATHEAD 96H-ACUTE-TITLE22	B01
FATHEAD CHRONIC-GROWTH	B05
FATHEAD CHRONIC-SURVIVAL	B04
FECAL COLIFORM	351
FECAL COLIFORM (MF)	356
FECAL STREPTOCOCCUS	353
FERRIC IRON	746
FERROUS CHLORIDE	348
FERROUS IRON	745
FIELD CONDUCTIVITY	906
FIELD DISSOLVED CO2	908
FIELD DISSOLVED O2	907
FIELD HYDROGEN SULFIDE	910
FIELD PH	905
FIELD TOTAL ALKALINITY	909
FIELD WATER TEMPERATURE	904
FLASH POINT	105
FLOATABLE SOLIDS	157
FLOC/FILAMENT SURVEY	X10
FLOW	Z01
FLUORANTHENE	830
FLUORENE	831
FLUORIDE	313
FLUORIDE MASS EMISS. RATE	974
FLUOROBENZENE	I03
FLUOROMETER READING	362
FORMALDEHYDE	697
FREE ALKALI	345
FREE CYANIDE	207
FREON 11 (CCL3F)	669
FREON 12 (CCL2F2)	668
FREON 21 (CHCL2F)	670
FREON TF	617
GAMMA RADIATION	372
GC/MS SCAN	X03
GIARDIA	B52
GLYPHOSATE	3B4
GOLD	730
GROSS ALPHA RADIOACTIVITY	370
GROSS BETA RADIOACTIVITY	371
GUTHION	5D4
HEAT OF COMBUSTION	112

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
HEATING VALUE OF GAS	338
HEPTACHLOR	510
HEPTACHLOR EPOXIDE	511
HEPTACHLORODIBENZODIOXINS	D07
HEPTACHLORODIBENZOFURANS	F07
HEXACH3CYCLOTRISILOXANE	6G2
HEXACHLOROBENZENE	832
HEXACHLOROBUTADIENE	833
HEXACHLOROCYCLOPENTADIENE	834
HEXACHLORODIBENZODIOXINS	D06
HEXACHLORODIBENZOFURANS	F06
HEXACHLOROETHANE	835
HEXACHLOROPROPENE	8B8
HEXAMETHYLDISILOXANE	6F8
HEXANE	637
HEXAVALENT CHROMIUM	710
HOLD FOR TEST ASSIGNMENT	170
HPLC SCAN	X09
HYDROCARBONS-METHOD 418.1	C18
HYDROCARBONS-MODIFIED8015	C15
HYDROGEN (H2)	340
HYDROGEN CYANIDE	209
HYDROGEN SULFIDE	261
HYDROGEN SULFIDE	281
HYDROSCAN	173
HYDROXIDE ALKALINITY	308
HYMENOLEPIS	392
INDENO(1,2,3-C,D)PYRENE	836
INFRARED SCAN	X02
ION CHROMATOGRAPHY SCAN	X08
IRON	713
ISOBUTYL ALCOHOL	6C9
ISOBUTYL MERCAPTAN	289
ISOBUTYRALDEHYDE	6E7
ISOBUTYRIC ACID	641
ISODRIN	8B9
ISOPHORONE	837
ISOPROPYL ACETATE	6E8
ISOPROPYL ETHER	6E9
ISOPROPYL MERCAPTAN	287
ISOPROPYLBENZENE	684
ISOSAFROLE	8C1
ISOVALERIC ACID	643
KEPONE	5C5
KEPONE	8C2
LANTHANUM	731
LAS	343
LEAD	714
LIMONENE	659
LINDANE (GAMMA-BHC)	509
LISTERIA	394
LITHIUM	715
LOSS ON IGNITION	169
LOWER EXPLOSIVE LIMIT	1B0
M+P CRESOL	862
M+P-CRESOL	628
M+P-XYLENE	695
MACROCYSTIS-GERMINATION	B09

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
MACROCYSTIS-GERMTUBLENGTH	B10
MAGNESIUM	704
MAGNESIUM HYDROXIDE	747
MAGNESIUM-HARDNESS	702
MALATHION	5D5
MANGANESE	716
MBAS	315
MCPA	5B9
MCPP	5B8
M-DICHLOROBENZENE	614
M-DINITROBENZENE	8B4
MENIDIA ACUTE,%SURVIVAL	B17
MENIDIA-GROWTH	B15
MENIDIA-SURVIVAL	B14
MERCAPTANS	258
MERCURY	717
METALS SCAN	X05
METHACRYLONITRILE	6D1
METHANE	632
METHANE (CH4)	335
METHANOL	622
METHAPYRILENE	8C3
METHOXYCLOR	516
METHYL CELLOSOLVE	6F1
METHYL FORMATE	6F2
METHYL IODIDE	6D2
METHYL MERCAPTAN	259
METHYL MERCAPTAN	282
METHYL METHACRYLATE	6D7
METHYL METHANESULFONATE	8C5
METHYL PARATHION	5C9
METHYL PYRENE	886
METHYLCYCLOHEXANE	I02
METHYLENE BROMIDE	6D3
METHYLENE CHLORIDE	601
METHYLISOTHIOCYANATE	3B8
METHYL-TERT-BUTYL-ETHER	662
MEVINPHOS	5B2
MICROSCOPIC EXAM	X04
MICROTOX-15	B32
MICROTOX-5	B31
MIREX	552
M-NITROANILINE	8D2
MOLINATE	5E6
MOLYBDENUM	732
MONOCHLORODIBENZODIOXINS	D01
MONOCHLORODIBENZOFURANS	F01
M-XYLENE	666
MYSID-FECUNDITY	B12
MYSID-GROWTH	B13
MYSID-SURVIVAL	B11
NALED (DIBROM)	5B3
N-AMYL ACETATE	6E1
NAPHTHALENE	838
NAPHTHALENE-D8	S21
N-BUTYL ACETATE	6E2
N-BUTYL MERCAPTAN	295
N-BUTYLBENZENE	6J1

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
N-DECANE	865
NEUTRALIZATION CAPACITY	369
N-HEPTANE	6E5
N-HEXANE	6E6
NICKEL	718
NID	316
NITRATE NITROGEN	1S7
NITRATE NITROGEN	204
NITRITE NITROGEN	205
NITROBENZENE	839
NITROBENZENE-D5	S03
NITROGEN (N2)	334
NITROMETHANE	6B0
N-NITROSODIETHYLAMINE	8D5
N-NITROSODIMETHYLAMINE	840
N-NITROSODI-N-BUTYLAMINE	8D4
N-NITROSODI-N-PROPYLAMINE	841
N-NITROSODIPHENYLAMINE	857
N-NITROSOMETHYLETHYLAMINE	8D6
N-NITROSOPIPERIDINE	8D7
N-NITROSOPYRROLIDINE	8D8
NO TEST REQUESTED	999
NOCARDIA	358
N-OCTADECANE	866
NONMETHANE ORGANICS (TCA)	415
NONMETHANE ORGANICS TO-12	416
NON-POLAR OIL AND GREASE	414
NONVOLATILE DISSOL SOLIDS	166
NOX (AS NO2)	211
N-PROPYL MERCAPTAN	293
N-PROPYLBENZENE	685
O,O,O-TRIETHYLPHOSPHOROTH	8F1
O+P DICHLOROBENZENE	674
O+P-XYLENE	667
OBJECTIONABLE INSOLUBLES	322
O-CRESOL	627
O-CRESOL	861
OCTACH3CYCLOTETRASILOXANE	6D9
OCTACHLORODIBENZODIOXIN	D08
OCTACHLORODIBENZOFURAN	F08
OCTAMETHYLTRISILOXANE	6F9
O-DICHLOROBENZENE	613
ODOR	109
ODOR CHARACTERIZATION	X07
ODOR SCAN	X12
OIL & GREASE	408
OIL & GREASE MASS EM.RATE	975
O-NITROANILINE	8D1
OP'-DDD	503
OP'-DDE	501
OP'-DDT	505
ORGANIC LEAD	7A1
ORGANIC NITROGEN	202
ORTHO PHOSPHATE	311
O-TOLUIDINE	8E9
OXAMYL	5E7
OXYCHLORDANE	529
OXYGEN (O2)	332

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
O-XYLENE	629
P(DIMETHYLAMINO)AZOBENZEN	8B1
PAINT FILTER TEST	127
PALLADIUM	M02
PARAQUAT	5E2
PCB CONGENER 101	567
PCB CONGENER 105	568
PCB CONGENER 110	569
PCB CONGENER 114	570
PCB CONGENER 118	571
PCB CONGENER 119	572
PCB CONGENER 123	573
PCB CONGENER 126	574
PCB CONGENER 128	575
PCB CONGENER 138	576
PCB CONGENER 149	577
PCB CONGENER 151	578
PCB CONGENER 153	579
PCB CONGENER 156	580
PCB CONGENER 157	581
PCB CONGENER 158	582
PCB CONGENER 167	583
PCB CONGENER 168	584
PCB CONGENER 169	585
PCB CONGENER 170	586
PCB CONGENER 177	587
PCB CONGENER 18	554
PCB CONGENER 180	588
PCB CONGENER 183	589
PCB CONGENER 187	590
PCB CONGENER 189	591
PCB CONGENER 194	592
PCB CONGENER 200	593
PCB CONGENER 201	594
PCB CONGENER 206	595
PCB CONGENER 28	555
PCB CONGENER 37	556
PCB CONGENER 44	557
PCB CONGENER 49	558
PCB CONGENER 52	559
PCB CONGENER 66	560
PCB CONGENER 70	561
PCB CONGENER 74	562
PCB CONGENER 77	563
PCB CONGENER 81	564
PCB CONGENER 87	565
PCB CONGENER 99	566
P-CHLOROANILINE	8A5
PCNB(PENTACHLORONITROBEN)	5D7
P-CRESOL	863
P-DICHLOROBENZENE	615
PEAK FLOW	Z02
PENTACHLOROBENZENE	8E1
PENTACHLORODIBENZODIOXINS	D05
PENTACHLORODIBENZOFURANS	F05
PENTACHLORONITROBENZENE	8E2
PENTACHLOROPHENOL	663
PENTACHLOROPHENOL	854

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
PENTANE	636
PERCENT METHANE IN GAS	902
PERCENT OXYGEN IN GAS	903
PERCHLORATE	3B2
PERMANENT GASES, TOTAL	330
PERYLENE	897
PERYLENE-D12	S25
PH	1S1
PH	101
PHENACETIN	8E3
PHENANTHRENE	842
PHENANTHRENE-D10	S23
PHENOL	855
PHENOL(BY GC)	631
PHENOL-D5	S02
PHENOLS	312
PHENYLACETIC ACID	860
PHORATE	5D2
PHOSGENE	6B2
PHTHALATE ESTERS	6B4
PHYS/CHEM PROPERTIES	X01
PICLORAM	5C4
PLATINUM	M01
PLUTONIUM	128
P-NITROANILINE	8D3
POLYCHLORINATED PHENOLS	6B1
POTASSIUM	325
POTASSIUM	719
POTASSIUM-40	131
PP'-DDD	504
PP'-DDE	502
PP'-DDT	506
P-PHENYLENEDIAMINE	8E4
PRODUCTION DATA	PRD
PRONAMIDE	8E5
PROPANE	634
PROPIONIC ACID	640
PROPIONITRILE	6D4
P-TERPHENYL-D14	S07
PURPLE URCHIN FERTILIZAT.	B23
P-XYLENE	630
PYRENE	843
PYRIDINE	858
RADIUM 226+228	126
RADON	123
RAINFALL	998
REDOX	1S5
RELATIVE % HUMIDITY	159
RESMETHRIN	5F5
SAFROLE	8E6
SALINITY	317
SALMONELLA	385
SAMPLE VOLUME	165
SAR	107
SEC-BUTYL MERCAPTAN	288
SEC-BUTYLBENZENE	6J2
SELENASTRUM CHRONIC-GROW'	B08
SELENIUM	720

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
SEMI-VOLATILE TTO	T10
SER	106
SETTLEABLE SOLIDS	156
SIEVE ANALYSIS <#100SIEVE	379
SIEVE ANALYSIS <#30 SIEVE	185
SIEVE ANALYSIS >#10 SIEVE	176
SIEVE ANALYSIS >#100SIEVE	378
SIEVE ANALYSIS >#12 SIEVE	182
SIEVE ANALYSIS >#16 SIEVE	183
SIEVE ANALYSIS >#20 SIEVE	184
SIEVE ANALYSIS >#30 SIEVE	177
SIEVE ANALYSIS >#4 SIEVE	180
SIEVE ANALYSIS >#45 SIEVE	178
SIEVE ANALYSIS >#60 SIEVE	179
SIEVE ANALYSIS >#8 SIEVE	181
SIEVE ANALYSIS >3/4"SIEVE	376
SIEVE ANALYSIS >3/8"SIEVE	377
SILICON	721
SILVER	722
SIMAZINE	551
SLAKING RATE-40 DEG C INC	323
SLUDGE VOLUME (CYLINDER)	162
SLUDGE VOLUME INDEX	164
SLUDGE VOLUME-SETTLEOMETE	163
SODIUM	723
SODIUM POTASSIUM TARTRATE	346
SOLUBLE ALUMINUM	775
SOLUBLE ANTIMONY	757
SOLUBLE ARSENIC	755
SOLUBLE BARIUM	756
SOLUBLE BERYLLIUM	771
SOLUBLE BOD	402
SOLUBLE CADMIUM	758
SOLUBLE CALCIUM	753
SOLUBLE CALCIUM-HARDNESS	751
SOLUBLE CARBOHYDRATES	413
SOLUBLE CARBONACEOUS BOD	462
SOLUBLE CHLORIDE	341
SOLUBLE CHROMIUM	759
SOLUBLE COBALT	761
SOLUBLE COD	404
SOLUBLE COPPER	762
SOLUBLE IRON	763
SOLUBLE LEAD	764
SOLUBLE MAGNESIUM	754
SOLUBLE MAGNESIUM-HARDNES	752
SOLUBLE MANGANESE	766
SOLUBLE MERCURY	767
SOLUBLE MOLYBDENUM	782
SOLUBLE NICKEL	768
SOLUBLE ORTHO-PHOSPHATE	342
SOLUBLE PHOSPHATE	320
SOLUBLE POTASSIUM	769
SOLUBLE SELENIUM	770
SOLUBLE SILICON	776
SOLUBLE SILVER	772
SOLUBLE SODIUM	773
SOLUBLE SULFATE	263

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
SOLUBLE SULFIDE	252
SOLUBLE THALLIUM	784
SOLUBLE TIN	785
SOLUBLE VANADIUM	787
SOLUBLE ZINC	774
SORBITOL	328
SPECIFIC GRAVITY	113
SPINDLE NO. (VISCOSITY)	118
STANDARD PLATE COUNT	352
STATIC FISH BIOASSAY	363
STICKLEBACK ACUTE,%SURVIV	B16
STRONTIUM	733
STRONTIUM-90	124
STYRENE	682
SULFATE	257
SULFATE MASS EMISS. RATE	972
SULFATE REDUCING BACTERIA	374
SULFITE	254
SULFUR DIOXIDE	292
SUSPENDED SOLIDS	151
SUSPENDED SOLIDS @ PH 7	150
SYM-TRINITROBENZENE	8F2
T. INTERMEDIUS/NOVELLUS	397
T. NEAPOLITANUS	398
T. THIOOXIDANS	399
T-1,4-DICHLORO-2-BUTENE	6C4
TANNIN & LIGNIN	407
TASTE	110
TCLP EXTRACTION	174
TECHNICAL CHLORDANE	540
TEMPERATURE	1S2
TEMPERATURE	111
TEMPERATURE (VISCOSITY)	120
TEQ	F25
TERT AMYL METHYL ETHER	6F6
TERT BUTYL ALCOHOL	6F7
TERT-BUTYL MERCAPTAN	294
TERT-BUTYLBENZENE	6J3
TETRACHLORODIBENZODIOXINS	D04
TETRACHLORODIBENZOFURANS	F04
TETRACHLOROETHYLENE	607
TETRAHYDROFURAN	679
THALLIUM	734
THERMOPHILIC FUNGI	381
THIOBENCARB	5E5
THIOCYANATE	256
THIONAZIN	5C6
THIOSULFATE	253
THORIUM	129
TICH	522
TIN	735
TITANIUM	736
TOLUENE	621
TOLUENE-D8	S11
TOPSMELT ACUTE	B22
TOPSMELT CHRONIC GROWTH	B21
TOPSMELT CHRONIC SURVIVAL	B20
TOTAL ALKALINITY	305

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
TOTAL ASBESTOS	CA0
TOTAL ASCARIS	389
TOTAL BOD	401
TOTAL CARBAMATE PESTICIDE	5B4
TOTAL CHROMIUM	709
TOTAL COD	403
TOTAL COLIFORM	350
TOTAL COLIFORM (IDEXX)	365
TOTAL COLIFORM (MF)	349
TOTAL CYANIDE	206
TOTAL DETECTABLE DDT	507
TOTAL DETECTABLE PCBS	521
TOTAL DETECTED CHLORDANES	530
TOTAL DETECTED PESTICIDES	549
TOTAL DISSOLVED SOLIDS	155
TOTAL ENTERIC BACTERIA	384
TOTAL ENTERIC VIRUSES	395
TOTAL FUNGI	380
TOTAL HARDNESS	309
TOTAL HCH	525
TOTAL HYDROCARBONS	417
TOTAL KJELDAHL NITROGEN	203
TOTAL LIPIDS	411
TOTAL METALS	M03
TOTAL NITROG.MASS EM.RATE	971
TOTAL NITROGEN	208
TOTAL NITROGEN	326
TOTAL NO3 + NO2 NITROGEN	951
TOTAL ORGANIC CARBON	405
TOTAL ORGANIC HALOGEN(TOX	410
TOTAL PARASITES	388
TOTAL PARTICULATES	160
TOTAL PHOSPHATE	310
TOTAL PHOSPHOROUS	324
TOTAL SOLIDS	153
TOTAL SULFIDE	251
TOTAL SULFUR	255
TOTAL SURFACTANTS	3B1
TOTAL THIOBACILLUS SP	396
TOTAL TOXIC ORGANICS	T01
TOTAL XYLENE ISOMERS	6B7
TOXAPHENE	515
TOXIC ORGANIC MGT PLAN	TMP
TOXOCARA	393
TRANS-1,2-DICHLOROETHYLEN	645
TRANS-1,3-DICHLOROPROPENE	652
TRANS-CHLORDANE	527
TRANS-CHLORDENE	542
TRANS-NONACHLOR	528
TRANSPARENCY (SECCHI DISK	116
TREMOLITE FIBERS	CA6
TRIBUTYL TIN	553
TRICHLORODIBENZODIOXINS	D03
TRICHLORODIBENZOFURANS	F03
TRICHLOROETHYLENE	606
TRICHURIS	391
TRIETHYLAMINE	6F3
TRIPHENYLENE	885

LABORATORY DATABASE
CONSTITUENTS IN ALPHABETICAL ORDER

TEST DESCRIPTION	TEST CODE
TRITIUM	122
TTO FOR ALUMINUM FORMING	T11
TTO FOR COIL COATING	T02
TTO FOR COPPER FORMING	T03
TTO FOR E&EC SUBCAT A&B	T04
TTO FOR E&EC SUBCAT C	T05
TTO FOR ELECTROPL&METAL F	T06
TTO FOR INDUSTRIAL LAUNDR	T12
TTO FOR METAL MOLD & CAST	T07
TTO FOR TRUCK WASHES	T08
TURBIDITY	103
URANIUM	125
UV ABSORBING ORGANICS	149
VALERIC ACID	644
VANADIUM	737
VANADIUM-48	130
VAPAM (METAM-SODIUM)	5D6
VIABLE ASCARIS	390
VINYL ACETATE	625
VINYL CHLORIDE	612
VISCOMETER SPINDLE RPM	119
VISCOSITY	114
VISCOSITY(BROOKFIELD LVT)	117
VOLATILE ACIDS	638
VOLATILE DISSOLVED SOLIDS	168
VOLATILE SUSPENDED SOLIDS	152
VOLATILE TOTAL SOLIDS	154
VOLATILE TTO	T09
W.E.T. DI WATER	175
WASTE EXTRACTION TEST	171
YERSINIA	387
ZINC	724

JWPCP Influent Monitoring

JWPCP
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND			ND			ND	
1,1-Dichloroethylene	ug/L		ND			ND			ND	
1,1,1-Trichloroethane	ug/L		ND			ND			ND	
1,1,2-Trichloroethane	ug/L		ND			ND			ND	
1,1,2,2-Tetrachloroethane	ug/L		ND			ND			ND	
1,2-Dichlorobenzene	ug/L		ND			ND			ND	
1,2-Dichloroethane	ug/L		DNQ Est. Conc. 0.34			ND			ND	
1,2-Dichloropropane	ug/L		ND			ND			ND	
1,2-Diphenylhydrazine	ug/L		ND			ND			ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 22			DNQ Est. Conc. 42			DNQ Est. Conc. 25	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 6.3			DNQ Est. Conc. 7.4			DNQ Est. Conc. 4.0	
1,2,3,4,7,8-HexaCDD	pg/L		ND			ND			ND	
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.86			ND			DNQ Est. Conc. 0.81	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND	
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.1			DNQ Est. Conc. 0.97			ND	
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.0			ND			DNQ Est. Conc. 0.45	
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND	
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.67			ND			ND	
1,2,3,7,8,9-HexaCDD	pg/L		ND			ND			ND	
1,2,3,7,8,9-HexaCDF	pg/L		ND			ND			ND	
1,2,4-Trichlorobenzene	ug/L		ND			ND			ND	
1,3-Dichlorobenzene	ug/L		ND			ND			ND	
1,3-Dichloropropene	ug/L		ND			ND			ND	
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.17			ND			DNQ Est. Conc. 0.23	
2-Chloroethylvinyl ether	ug/L		ND			ND			ND	
2-Chloronaphthalene	ug/L		ND			ND			ND	
2-Chlorophenol	ug/L		ND			ND			DNQ Est. Conc. 4.9	
2-methyl-4,6-dinitrophenol	ug/L		ND			ND			ND	
2-Nitrophenol	ug/L		ND			ND			ND	
2,3,4,6,7,8-HexaCDF	pg/L		ND			ND			DNQ Est. Conc. 0.71	
2,3,4,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.42			ND			ND	
2,3,7,8-TCDD	pg/L		ND			ND			ND	
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.9			DNQ Est. Conc. 1.6			DNQ Est. Conc. 2.4	
2,4-Dichlorophenol	ug/L		ND			ND			DNQ Est. Conc. 3.7	
2,4-Dimethylphenol	ug/L		21			16			22	
2,4-Dinitrophenol	ug/L		ND			ND			ND	
2,4-Dinitrotoluene	ug/L		ND			ND			ND	
2,4,6-Trichlorophenol	ug/L		7.2			14			19	
2,4'-DDD	ug/L		ND			DNQ Est. Conc. 0.007			ND	
2,4'-DDE	ug/L		ND			ND			ND	
2,4'-DDT	ug/L		ND			ND			ND	
2,6-Dinitrotoluene	ug/L		ND			ND			ND	
3,3'-Dichlorobenzidine	ug/L		ND			ND			ND	
4-Bromophenyl phenyl ether	ug/L		ND			ND			ND	
4-Chloro-3-methylphenol	ug/L		ND			ND			ND	
4-Chlorophenyl phenyl ether	ug/L		ND			ND			ND	
4-Nitrophenol	ug/L		ND			ND			ND	
4,4'-DDD	ug/L		ND			DNQ Est. Conc. 0.005			0.02	
4,4'-DDE	ug/L		ND			0.01			0.03	
4,4'-DDT	ug/L		ND			ND			ND	
Acenaphthene	ug/L		ND			ND			ND	
Acenaphthylene	ug/L		ND			ND			ND	
Acrolein	ug/L		ND			ND			ND	
Acrylonitrile	ug/L		ND			ND			ND	
Aldrin	ug/L		ND			ND			ND	
alpha-Chlordane	ug/L		ND			ND			ND	
alpha-hexachlorocyclohexane	ug/L		ND			ND			ND	
Ammonia Nitrogen	mg/L	44.1	43.9	43.3	40.1	47.3	42.7	41.2	40.4	42.4
Anthracene	ug/L		ND			ND			ND	
Antimony	ug/L		4.66			3.58			3.70	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L		ND		ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L		ND		ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L		ND		ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND		ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND		ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.34	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND		ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND		ND	ND	ND	EPA 625	1	1.2 - 2.5	5.0 - 10
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 17		DNQ Est. Conc. 17	ND	DNQ Est. Conc. 42	EPA 1613B		0.38 - 1.5	51 - 59
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 5.6		DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 7.4	EPA 1613B		1.1 - 2.8	51 - 59
1,2,3,4,7,8-HexaCDD	pg/L		ND		ND	ND	ND	EPA 1613B		0.37 - 0.98	51 - 59
1,2,3,4,7,8-HexaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 0.86	EPA 1613B		0.22 - 0.89	51 - 59
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND	ND	ND	EPA 1613B		1.5 - 4.3	51 - 59
1,2,3,6,7,8-HexaCDD	pg/L		ND		ND	ND	DNQ Est. Conc. 1.1	EPA 1613B		0.34 - 0.79	51 - 59
1,2,3,6,7,8-HexaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 1.0	EPA 1613B		0.20 - 0.76	51 - 59
1,2,3,7,8-PentaCDD	pg/L		ND		ND	ND	ND	EPA 1613B		3.0 - 6.4	51 - 59
1,2,3,7,8-PentaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 0.67	EPA 1613B		0.30 - 0.59	51 - 59
1,2,3,7,8,9-HexaCDD	pg/L		ND		ND	ND	ND	EPA 1613B		0.28 - 0.62	51 - 59
1,2,3,7,8,9-HexaCDF	pg/L		ND		ND	ND	ND	EPA 1613B		0.20 - 0.36	51 - 59
1,2,4-Trichlorobenzene	ug/L		ND		ND	ND	ND	EPA 625	5	2.8 - 5.5	5.0 - 10
1,3-Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene	ug/L		ND		ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.20		ND	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.16	0.50
2-Chloroethylvinyl ether	ug/L		ND		ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L		ND		ND	ND	ND	EPA 625	10	2.2 - 4.5	5.0 - 10
2-Chlorophenol	ug/L		ND		ND	ND	DNQ Est. Conc. 4.9	EPA 625	5	1.4 - 2.8	5.0 - 10
2-methyl-4,6-dinitrophenol	ug/L		ND		ND	ND	ND	EPA 625	5	8.6 - 17	25 - 50
2-Nitrophenol	ug/L		ND		ND	ND	ND	EPA 625	10	1.3 - 2.6	5.0 - 10
2,3,4,6,7,8-HexaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 0.71	EPA 1613B		0.19 - 0.32	51 - 59
2,3,4,7,8-PentaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 0.42	EPA 1613B		0.31 - 0.41	51 - 59
2,3,7,8-TCDD	pg/L		ND		ND	ND	ND	EPA 1613B		0.22 - 0.81	10 - 12
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 2.1		DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 2.4	EPA 1613B		0.29 - 0.35	10 - 12
2,4-Dichlorophenol	ug/L		ND		ND	ND	DNQ Est. Conc. 3.7	EPA 625	5	1.3 - 2.6	5.0 - 10
2,4-Dimethylphenol	ug/L		21		16	20	22	EPA 625	2	1.5 - 3.0	5.0 - 10
2,4-Dinitrophenol	ug/L		ND		ND	ND	ND	EPA 625	5	7.9 - 16	50 - 100
2,4-Dinitrotoluene	ug/L		ND		ND	ND	ND	EPA 625	5	0.90 - 1.8	5.0 - 10
2,4,6-Trichlorophenol	ug/L		ND		ND	10	19	EPA 625	10	1.1 - 2.2	5.0 - 10
2,4'-DDD	ug/L		ND		ND	ND	DNQ Est. Conc. 0.007	EPA 608		0.001	0.02
2,4'-DDE	ug/L		ND		ND	ND	ND	EPA 608		0.001 - 0.002	0.03
2,4'-DDT	ug/L		ND		ND	ND	ND	EPA 608		0.002 - 0.003	0.02
2,6-Dinitrotoluene	ug/L		ND		ND	ND	ND	EPA 625	5	1.4 - 2.7	5.0 - 10
3,3'-Dichlorobenzidine	ug/L		ND		ND	ND	ND	EPA 625	5	6.0 - 12	25 - 50
4-Bromophenyl phenyl ether	ug/L		ND		ND	ND	ND	EPA 625	5	1.8 - 3.6	5.0 - 10
4-Chloro-3-methylphenol	ug/L		ND		ND	ND	ND	EPA 625	1	1.2 - 2.3	5.0 - 10
4-Chlorophenyl phenyl ether	ug/L		ND		ND	ND	ND	EPA 625	5	2.0 - 4.1	5.0 - 10
4-Nitrophenol	ug/L		ND		ND	ND	ND	EPA 625	10	2.2 - 4.5	25 - 50
4,4'-DDD	ug/L		ND		ND	0.005	0.02	EPA 608	0.05	0.001 - 0.002	0.02
4,4'-DDE	ug/L		0.01		ND	0.01	0.03	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	0.02
Acenaphthene	ug/L		ND		ND	ND	ND	EPA 625	1	1.9 - 3.8	5.0 - 10
Acenaphthylene	ug/L		ND		ND	ND	ND	EPA 625	10	2.0 - 4.0	5.0 - 10
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	0.01
alpha-Chlordane	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.02
alpha-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.06
Ammonia Nitrogen	mg/L	41.9	44.4	45.4	40.1	43.1	47.3	SM 4500 NH3 C		0.240 - 0.400	4.00
Anthracene	ug/L		ND		ND	ND	ND	EPA 625	10	1.7 - 3.4	5.0 - 10
Antimony	ug/L		3.73		3.58	3.92	4.66	EPA 200.8	0.5	0.07 - 0.32	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September
Aroclor 1016	ug/L		ND			ND			ND	
Aroclor 1221	ug/L		ND			ND			ND	
Aroclor 1232	ug/L		ND			ND			ND	
Aroclor 1242	ug/L		ND			ND			ND	
Aroclor 1248	ug/L		ND			ND			ND	
Aroclor 1254	ug/L		ND			ND			ND	
Aroclor 1260	ug/L		ND			ND			ND	
Arsenic	ug/L	4.94	4.85	5.18	4.90	3.98	4.48	5.04	5.03	4.26
Benzene	ug/L		32.4			23.3			20.9	
Benzidine	ug/L		ND			ND			ND	
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND			ND			ND	
Benzo(a)pyrene	ug/L		ND			ND			ND	
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND			ND			ND	
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND			ND			ND	
Benzo(k)fluoranthene	ug/L		ND			ND			ND	
Beryllium	ug/L		ND			ND			ND	
beta-hexachlorocyclohexane	ug/L		ND			ND			ND	
Bis(2-chloro-ethoxy)methane	ug/L		ND			ND			ND	
Bis(2-chloro-isopropyl)ether	ug/L		ND			ND			ND	
Bis(2-chloroethyl)ether	ug/L		ND			ND			ND	
Bis(2-ethylhexyl)phthalate	ug/L		ND			ND			ND	
BOD	mg/L	462	469	456	428	429	429	432	430	420
Bromoform	ug/L		ND			ND			DNQ Est. Conc. 0.25	
Bromomethane	ug/L		ND			DNQ Est. Conc. 0.42			ND	
Butyl benzyl phthalate	ug/L		ND			ND			ND	
Cadmium	ug/L	1.04	1.61	1.4	0.93	1.01	1.1	1.51	1.03	1.2
Carbon tetrachloride	ug/L		ND			ND			ND	
Chlordene-alpha	ug/L		ND			ND			ND	
Chlordene-gamma	ug/L		ND			ND			ND	
Chlorobenzene	ug/L		ND			ND			ND	
Chlorodibromomethane	ug/L		ND			ND			DNQ Est. Conc. 0.26	
Chloroethane	ug/L		ND			DNQ Est. Conc. 0.28			ND	
Chloroform	ug/L		20.6			18.4			26.7	
Chloromethane	ug/L		0.80			1.4			1.0	
Chromium (III)	ug/L		24.5			17.7			28.8	
Chromium (VI)	ug/L	ND	DNQ Est. Conc. 0.02	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.02	ND
Chrysene	ug/L		ND			ND			ND	
cis-Nonachlor	ug/L		ND			ND			ND	
COD	mg/L	782	798	793	748	750	754	761	781	761
Copper	ug/L	95.3	142	109	111	104	126	152	121	437
Cyanide, Total	ug/L	13.4	14.8	12.8	15.4	9.96	6.49	12.4	9.72	11.2
delta-hexachlorocyclohexane	ug/L		ND			ND			ND	
Di-n-butyl phthalate	ug/L		ND			ND			DNQ Est. Conc. 1.8	
Di-n-octyl phthalate	ug/L		ND			ND			ND	
Dibenzo(a,h)anthracene	ug/L		ND			ND			ND	
Dichlorobromomethane	ug/L		ND			ND			0.79	
Dichloromethane	ug/L		13.2			2.3			3.2	
Dieldrin	ug/L		ND			ND			ND	
Diethylphthalate	ug/L		ND			ND			DNQ Est. Conc. 3.6	
Dimethylphthalate	ug/L		ND			ND			ND	
Endosulfan sulfate	ug/L		ND			ND			ND	
Endosulfan-alpha	ug/L		ND			ND			ND	
Endosulfan-beta	ug/L		ND			ND			ND	
Endrin aldehyde	ug/L		ND			ND			ND	
Endrin	ug/L		ND			ND			ND	
Ethylbenzene	ug/L		6.0			4.9			5.6	
Fluoranthene	ug/L		ND			ND			ND	
Fluorene	ug/L		ND			ND			ND	
gamma-Chlordane	ug/L		ND			ND			ND	
gamma-hexachlorocyclohexane	ug/L		ND			ND			ND	
Gross Alpha Radioactivity	pCi/L	2.12	7.17	ND	4.65	2.27	2.57	5.73	ND	2.88

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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Aroclor 1016	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.5
Aroclor 1221	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.2	0.8
Aroclor 1232	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.5
Aroclor 1242	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.9
Aroclor 1248	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.08
Aroclor 1254	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.4
Aroclor 1260	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L	4.89	4.69	4.87	3.98	4.76	5.18	EPA 200.8	2	0.14 - 0.16	1.00
Benzene	ug/L		19.1		19.1	23.9	32.4	EPA 624	2	0.15	0.50
Benzidine	ug/L		ND		ND	ND	ND	EPA 625	5	18 - 37	50 - 100
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND		ND	ND	ND	EPA 625	5	0.95 - 1.9	5.0 - 10
Benzo(a)pyrene	ug/L		ND		ND	ND	ND	EPA 625	10	0.65 - 1.3	5.0 - 10
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND		ND	ND	ND	EPA 625	10	0.70 - 1.4	5.0 - 10
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND		ND	ND	ND	EPA 625	5	0.50 - 1.0	10 - 20
Benzo(k)fluoranthene	ug/L		ND		ND	ND	ND	EPA 625	10	1.1 - 2.2	5.0 - 10
Beryllium	ug/L		DNQ Est. Conc. 0.030		ND	ND	DNQ Est. Conc. 0.030	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.30
Bis(2-chloro-ethoxy)methane	ug/L		ND		ND	ND	ND	EPA 625	5	1.2 - 2.5	5.0 - 10
Bis(2-chloro-isopropyl)ether	ug/L		ND		ND	ND	ND	EPA 625	2	1.9 - 3.8	5.0 - 10
Bis(2-chloroethyl)ether	ug/L		ND		ND	ND	ND	EPA 625	1	1.4 - 2.7	5.0 - 10
Bis(2-ethylhexyl)phthalate	ug/L		ND		ND	ND	ND	EPA 625	5	12 - 23	25 - 50
BOD	mg/L	398	432	463	398	437	469	SM 5210B		0.6	150
Bromoform	ug/L		ND		ND	ND	DNQ Est. Conc. 0.25	EPA 624	2	0.17	0.50
Bromomethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.42	EPA 624	2	0.21 - 0.33	0.50
Butyl benzyl phthalate	ug/L		ND		ND	ND	ND	EPA 625	10	0.90 - 1.8	5.0 - 10
Cadmium	ug/L	2.29	0.750	1.3	0.750	1.3	2.29	EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L		ND		ND	ND	ND	EPA 624	2	0.28	0.50
Chlordene-alpha	ug/L		ND		ND	ND	ND	EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L		ND		ND	ND	ND	EPA 608		0.002 - 0.005	0.01
Chlorobenzene	ug/L		DNQ Est. Conc. 0.16		ND	ND	DNQ Est. Conc. 0.16	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.27		ND	ND	DNQ Est. Conc. 0.27	EPA 624	2	0.14	0.50
Chloroethane	ug/L		ND		ND	ND	DNQ Est. Conc. 0.28	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L		43.4		18.4	27.3	43.4	EPA 624	2	0.18	0.50
Chloromethane	ug/L		5.7		0.80	2.2	5.7	EPA 624	2	0.15 - 0.19	0.50
Chromium (III)	ug/L		18.7		17.7	22.4	28.8	Chromium III Calculation			
Chromium (VI)	ug/L	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	ND	ND	DNQ Est. Conc. 0.02	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND		ND	ND	ND	EPA 625	10	0.95 - 1.9	5.0 - 10
cis-Nonachlor	ug/L		ND		ND	ND	ND	EPA 608		0.0006 - 0.002	0.01
COD	mg/L	728	755	773	728	765	798	SM 5220C (SMicro)		18.2	25.0
Copper	ug/L	234	137	171	95.3	162	437	EPA 200.8	0.5	0.04 - 2.20	0.50 - 10.0
Cyanide, Total	ug/L	8.98	8.96	9.21	6.49	11.1	15.4	SM 4500 CN E	5	0.5 - 0.7	5.00
delta-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.03
Di-n-butyl phthalate	ug/L		ND		ND	ND	DNQ Est. Conc. 1.8	EPA 625	10	1.2 - 2.4	5.0 - 10
Di-n-octyl phthalate	ug/L		ND		ND	ND	ND	EPA 625	10	0.95 - 1.9	5.0 - 10
Dibenzo(a,h)anthracene	ug/L		ND		ND	ND	ND	EPA 625	10	0.40 - 0.80	10 - 20
Dichlorobromomethane	ug/L		DNQ Est. Conc. 0.47		ND	0.20	0.79	EPA 624	2	0.17	0.50
Dichloromethane	ug/L		4.3		2.3	5.8	13.2	EPA 624	2	0.18	0.50
Dieldrin	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001	0.02
Diethylphthalate	ug/L		ND		ND	ND	DNQ Est. Conc. 3.6	EPA 625	2	0.75 - 1.5	5.0 - 20
Dimethylphthalate	ug/L		ND		ND	ND	ND	EPA 625	2	0.90 - 1.8	5.0 - 10
Endosulfan sulfate	ug/L		ND		ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.02
Endosulfan-alpha	ug/L		ND		ND	ND	ND	EPA 608	0.02	0.001	0.20
Endosulfan-beta	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endrin aldehyde	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.02
Ethylbenzene	ug/L		4.8		4.8	5.3	6.0	EPA 624	2	0.18	0.50
Fluoranthene	ug/L		ND		ND	ND	ND	EPA 625	1	1.1 - 2.2	5.0 - 10
Fluorene	ug/L		ND		ND	ND	ND	EPA 625	10	1.8 - 3.5	5.0 - 10
gamma-Chlordane	ug/L		ND		ND	ND	ND	EPA 608		0.002	0.02
gamma-hexachlorocyclohexane	ug/L		ND		ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.04
Gross Alpha Radioactivity	pCi/L	4.42	8.61	ND	ND	3.37	8.61	EPA 900.0		1.86 - 4.02	1.86 - 4.02

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Parameter	Units	January	February	March	April	May	June	July	August	September
Gross Beta Radioactivity	pCi/L	ND	6.04	3.27	4.67	ND	3.35	4.74	5.25	9.46
Heptachlor epoxide	ug/L		ND			ND			ND	
Heptachlor	ug/L		ND			ND			ND	
Hexachlorobenzene	ug/L		ND			ND			ND	
Hexachlorobutadiene	ug/L		ND			ND			ND	
Hexachlorocyclopentadiene	ug/L		ND			ND			ND	
Hexachloroethane	ug/L		ND			ND			ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND			ND			ND	
Isophorone	ug/L		ND			ND			ND	
Lead	ug/L	3.49	6.14	5.32	5.69	5.33	5.07	6.24	5.27	13.2
Mercury	ug/L	0.12	0.21	0.22	0.18	0.18	0.16	0.20	0.29	0.17
Methyl-tert-butyl-ether	ug/L		ND			2.0			ND	
n-Nitroso-n-propylamine	ug/L		ND			ND			ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND			ND			ND	
n-Nitrosodiphenylamine	ug/L		ND			ND			ND	
Naphthalene	ug/L		ND			ND			ND	
Nickel	ug/L	19.7	22.2	24.0	18.6	18.0	36.6	19.2	27.3	17.9
Nitrate as Nitrogen	mg/L		0.41			0.81			0.72	
Nitrite as Nitrogen	mg/L		0.36			0.64			0.56	
Nitrobenzene	ug/L		ND			ND			ND	
OctaCDD	pg/L		360			880			280	
OctaCDF	pg/L		DNQ Est. Conc. 33			DNQ Est. Conc. 47			DNQ Est. Conc. 25	
Organic nitrogen	mg/L		23.2			22.0			22.5	
Oxychlordane	ug/L		ND			ND			ND	
Pentachlorophenol	ug/L		ND			ND			ND	
Phenanthrene	ug/L		ND			ND			ND	
Phenol	ug/L		120			68			57	
pH	SU	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
Pyrene	ug/L		ND			ND			ND	
Selenium	ug/L	7.17	8.85	9.47	6.29	6.20	6.80	10.1	6.68	5.68
Silver	ug/L	1.25	1.82	1.28	2.04	1.21	2.36	1.50	1.03	1.22
TCDD equivalents	pg/L		0.36			0.88			0.28	
Tetrachloroethylene	ug/L		9.3			0.90			ND	
Thallium	ug/L		DNQ Est. Conc. 0.020			ND			DNQ Est. Conc. 0.014	
Toluene	ug/L		42.9			28.5			32.7	
Total Chlordanes	ug/L		ND			ND			ND	
Total DDT	ug/L		ND			0.01			0.05	
Total Dichlorobenzene	ug/L		ND			ND			ND	
Total Endosulfan	ug/L		ND			ND			ND	
Total Halomethanes	ug/L		0.80			1.4			1.0	
Total HCH	ug/L		ND			ND			ND	
Total Influent Oil and grease	mg/L	69.5	22	13.1	78.1	71.0	73.0	58.1	65.9	66.2
Total PAHs	ug/L		ND			ND			ND	
Total PCBs	ug/L		ND			ND			ND	
Total Phenolic Compounds (Chlorinated)	ug/L		7.2			14.0			19.0	
Total Phenolic Compounds (non-chlorinated)	ug/L		141			84.0			79.0	
Total Phosphorus	mg/L		9.74			6.74			10.0	
Total Suspended Solids	mg/L	518	536	525	494	519	540	539	541	534
Toxaphene	ug/L		ND			ND			ND	
trans-Nonachlor	ug/L		ND			ND			ND	
Tributyltin (TBT)	ng/L		ND			ND			ND	
Trichloroethylene	ug/L		DNQ Est. Conc. 0.48			ND			ND	
Vinyl Chloride	ug/L		ND			ND			ND	
Zinc	ug/L	292	332	291	305	270	278	301	276	266

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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Gross Beta Radioactivity	pCi/L	5.60	3.17	8.18	ND	4.48	9.46	EPA 900.0		2.13 - 3.20	2.13 - 3.20
Heptachlor epoxide	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.001	0.02
Heptachlor	ug/L		ND		ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.03
Hexachlorobenzene	ug/L		ND		ND	ND	ND	EPA 625	1	2.4 - 4.9	5.0 - 10
Hexachlorobutadiene	ug/L		ND		ND	ND	ND	EPA 625	1	2.4 - 4.7	5.0 - 10
Hexachlorocyclopentadiene	ug/L		ND		ND	ND	ND	EPA 625	5	7.3 - 15	25 - 50
Hexachloroethane	ug/L		ND		ND	ND	ND	EPA 625	1	2.6 - 5.2	5.0 - 10
Indeno (1,2,3-cd) pyrene	ug/L		ND		ND	ND	ND	EPA 625	10	0.60 - 1.2	10 - 20
Isophorone	ug/L		ND		ND	ND	ND	EPA 625	1	1.0 - 2.1	5.0 - 10
Lead	ug/L	11.4	6.20	7.25	3.49	6.72	13.2	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.15	0.19	0.50	0.12	0.21	0.50	EPA 245.1	0.5	0.01	0.04
Methyl-tert-butyl-ether	ug/L		1.9		ND	0.98	2.0	EPA 624		0.12	0.50
n-Nitroso-n-propylamine	ug/L		ND		ND	ND	ND	EPA 625	5	1.3 - 2.6	5.0 - 10
n-Nitrosodimethylamine (NDMA)	ug/L		ND		ND	ND	ND	EPA 625	5	0.70 - 1.4	5.0 - 10
n-Nitrosodiphenylamine	ug/L		ND		ND	ND	ND	EPA 625	1	0.95 - 1.9	5.0 - 10
Naphthalene	ug/L		ND		ND	ND	ND	EPA 625	1	2.4 - 4.9	5.0 - 10
Nickel	ug/L	19.2	19.4	20.1	17.9	21.9	36.6	EPA 200.8	1	0.10 - 0.13	1.00
Nitrate as Nitrogen	mg/L		1.24		0.41	0.80	1.24	SM 4500 NO3 E		0.00600	0.100
Nitrite as Nitrogen	mg/L		0.69		0.36	0.56	0.69	SM 4500 NO2 B		0.00400 - 0.00500	0.100
Nitrobenzene	ug/L		ND		ND	ND	ND	EPA 625	1	1.8 - 3.6	5.0 - 10
OctaCDD	pg/L		210		210	433	880	EPA 1613B		0.28 - 5.0	100 - 120
OctaCDF	pg/L		DNQ Est. Conc. 19		DNQ Est. Conc. 19	ND	DNQ Est. Conc. 47	EPA 1613B		0.29 - 0.78	100 - 120
Organic nitrogen	mg/L		22.7		22.0	22.6	23.2	SM 4500 NH3 C			1.0
Oxychlordane	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.04
Pentachlorophenol	ug/L		ND		ND	ND	ND	EPA 625	5	0.95 - 1.9	5.0 - 10
Phenanthrene	ug/L		ND		ND	ND	ND	EPA 625	5	1.6 - 3.2	5.0 - 10
Phenol	ug/L		97		57	86	120	EPA 625	1	0.80 - 1.6	5.0 - 10
pH	SU	7.2	7.2	7.1	7.1	7.2	7.2	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND		ND	ND	ND	EPA 625	10	1.2 - 2.5	5.0 - 10
Selenium	ug/L	9.00	6.25	12.2	5.68	7.89	12.2	EPA 200.8	2	0.04 - 0.17	1.00
Silver	ug/L	1.16	1.57	1.49	1.03	1.49	2.36	EPA 200.8	0.25	0.01 - 0.03	0.20
TCDD equivalents	pg/L		0.21		0.21	0.43	0.88	EPA 1613B			
Tetrachloroethylene	ug/L		1.1		ND	2.8	9.3	EPA 624	2	0.18	0.50
Thallium	ug/L		ND		ND	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L		27.9		27.9	33.0	42.9	EPA 624	2	0.19	0.50
Total Chlordanes	ug/L		ND		ND	ND	ND	EPA 608			
Total DDT	ug/L		0.01		ND	0.02	0.05	EPA 608			
Total Dichlorobenzene	ug/L		ND		ND	ND	ND	EPA 624			
Total Endosulfan	ug/L		ND		ND	ND	ND	EPA 608			
Total Halomethanes	ug/L		5.7		0.80	2.2	5.7	EPA 624			
Total HCH	ug/L		ND		ND	ND	ND	EPA 608			
Total Influent Oil and grease	mg/L	68.7	75.6	67.0	13.1	61	78.1	EPA 1664A		0.8	4.0
Total PAHs	ug/L		ND		ND	ND	ND	EPA 625			
Total PCBs	ug/L		ND		ND	ND	ND	EPA 608			
Total Phenolic Compounds (Chlorinated)	ug/L		ND		7.2	13	19.0	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L		118		79.0	106	141	EPA 625			
Total Phosphorus	mg/L		9.03		6.74	8.88	10.0	SM4500P-E		0.0750 - 0.200	2.50
Total Suspended Solids	mg/L	493	515	516	493	523	541	SM 2540D		2.5	2.5
Toxaphene	ug/L		ND		ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.3
trans-Nonachlor	ug/L		ND		ND	ND	ND	EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L		ND		ND	ND	ND	Tributyltin by GC/FPD		1.3	2.9
Trichloroethylene	ug/L		DNQ Est. Conc. 0.34		ND	ND	DNQ Est. Conc. 0.48	EPA 624	2	0.28	0.50
Vinyl Chloride	ug/L		ND		ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	336	291	293	266	294	336	EPA 200.8	1	1.32 - 12.0	2.00 - 20.0

JWPCP Effluent Monitoring

JWPCP
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND			ND			ND		
1,1-Dichloroethylene	ug/L		ND			ND			ND		
1,1,1-Trichloroethane	ug/L		ND			ND			ND		
1,1,2-Trichloroethane	ug/L		ND			ND			ND		
1,1,2,2-Tetrachloroethane	ug/L		ND			ND			ND		
1,2-Dichlorobenzene	ug/L		ND			ND			ND		
1,2-Dichloroethane	ug/L		ND			ND			ND		
1,2-Dichloropropane	ug/L		ND			ND			ND		
1,2-Diphenylhydrazine	ug/L		ND			ND			ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 0.73			ND			DNQ Est. Conc. 1.3		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 0.41			DNQ Est. Conc. 1.2			DNQ Est. Conc. 3.9		
1,2,3,4,7,8-HexaCDD	pg/L		ND			ND			ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND			ND			DNQ Est. Conc. 2.4		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND			ND			ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND			ND			DNQ Est. Conc. 0.44		
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND		
1,2,3,7,8-PentaCDF	pg/L		ND			ND			ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND			ND			DNQ Est. Conc. 0.47		
1,2,3,7,8,9-HexaCDF	pg/L		ND			ND			ND		
1,2,4-Trichlorobenzene	ug/L		ND			ND			ND		
1,3-Dichlorobenzene	ug/L		ND			ND			ND		
1,3-Dichloropropene	ug/L		ND			ND			ND		
1,4-Dichlorobenzene	ug/L		ND			ND			ND		
2-Chloroethylvinyl ether	ug/L		ND			ND			ND		
2-Chloronaphthalene	ug/L		ND			ND			ND		
2-Chlorophenol	ug/L		ND			ND			ND		
2-methyl-4,6-dinitrophenol	ug/L		ND			ND			ND		
2-Nitrophenol	ug/L		ND			ND			ND		
2,3,4,6,7,8-HexaCDF	pg/L		ND			ND			ND		
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND		
2,3,7,8-TCDD	pg/L		ND			ND			ND		
2,3,7,8-TetraCDF	pg/L		ND			ND			ND		
2,4-Dichlorophenol	ug/L		ND			ND			ND		
2,4-Dimethylphenol	ug/L		ND			ND			ND		
2,4-Dinitrophenol	ug/L		ND			ND			ND		
2,4-Dinitrotoluene	ug/L		ND			ND			ND		
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.38			ND			DNQ Est. Conc. 1.5		
2,4'-DDD	ug/L		ND			ND			ND		
2,4'-DDE	ug/L		ND			ND			ND		
2,4'-DDT	ug/L		ND			ND			ND		
2,6-Dinitrotoluene	ug/L		ND			ND			ND		
3,3'-Dichlorobenzidine	ug/L		ND			ND			ND		
4-Bromophenyl phenyl ether	ug/L		ND			ND			ND		
4-Chloro-3-methylphenol	ug/L		ND			ND			ND		
4-Chlorophenyl phenyl ether	ug/L		ND			ND			ND		
4-Nitrophenol	ug/L		ND			ND			ND		
4,4'-DDD	ug/L		ND			ND			ND		
4,4'-DDE	ug/L		ND			ND			ND		
4,4'-DDT	ug/L		ND			ND			ND		
Acenaphthene	ug/L		ND			ND			ND		
Acenaphthylene	ug/L		ND			ND			ND		
Acrolein	ug/L		ND			ND			ND		
Acrylonitrile	ug/L		ND			ND			ND		
Aldrin	ug/L		ND			ND			ND		
alpha hexachlorocyclohexane	ug/L		ND			ND			ND		
Ammonia Nitrogen	mg/L	40.6	43.8	43.8	39.5	43.7	41.6	42.0	42.5	37.5	39.4
Anthracene	ug/L		ND			ND			ND		
Antimony	ug/L		6.26			2.05			2.21		
Aroclor 1016	ug/L		ND			ND			ND		
Aroclor 1221	ug/L		ND			ND			ND		
Aroclor 1232	ug/L		ND			ND			ND		
Aroclor 1242	ug/L		ND			ND			ND		
Aroclor 1248	ug/L		ND			ND			ND		

JWPCP
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND				EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND			1.1	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND			1.8	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND			0.45	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND			0.4	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND				EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND			0.6	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND				EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L	ND		ND	ND	ND			0.65	EPA 625	1	0.13 - 0.20	1.0
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 2.2		ND	ND	DNQ Est. Conc. 2.2				EPA 1613B		0.21 - 0.93	52 - 69
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 3.1		DNQ Est. Conc. 0.41	ND	DNQ Est. Conc. 3.9				EPA 1613B		0.24 - 0.65	52 - 69
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 0.89		ND	ND	DNQ Est. Conc. 0.89				EPA 1613B		0.20 - 0.72	52 - 69
1,2,3,4,7,8-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 2.4				EPA 1613B		0.21 - 1.0	52 - 69
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND		ND	ND	ND				EPA 1613B		0.37 - 0.91	52 - 69
1,2,3,6,7,8-HexaCDD	pg/L	DNQ Est. Conc. 1.2		ND	ND	DNQ Est. Conc. 1.2				EPA 1613B		0.19 - 0.75	52 - 69
1,2,3,6,7,8-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.44				EPA 1613B		0.20 - 0.48	52 - 69
1,2,3,7,8-PentaCDD	pg/L	ND		ND	ND	ND				EPA 1613B		0.60 - 1.4	52 - 69
1,2,3,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.87		ND	ND	DNQ Est. Conc. 0.87				EPA 1613B		0.23 - 0.61	52 - 69
1,2,3,7,8,9-HexaCDD	pg/L	ND		ND	ND	DNQ Est. Conc. 0.47				EPA 1613B		0.24 - 1.1	52 - 69
1,2,3,7,8,9-HexaCDF	pg/L	ND		ND	ND	ND				EPA 1613B		0.18 - 1.2	52 - 69
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND				EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND				EPA 624	2	0.08	0.50
1,3-Dichloropropene	ug/L	ND		ND	ND	ND			0.65	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND			1	EPA 624	2	0.16	0.50
2-Chloroethylvinyl ether	ug/L	ND		ND	ND	ND				EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L	ND		ND	ND	ND				EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.15	5.0
2-methyl-4,6-dinitrophenol	ug/L	ND		ND	ND	ND			13	EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L	ND		ND	ND	ND				EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 1.3		ND	ND	DNQ Est. Conc. 1.3				EPA 1613B		0.18 - 0.46	52 - 69
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.93		ND	ND	DNQ Est. Conc. 0.93				EPA 1613B		0.25 - 0.72	52 - 69
2,3,7,8-TCDD	pg/L	ND		ND	ND	ND				EPA 1613B		0.20 - 0.72	10 - 14
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.49		ND	ND	DNQ Est. Conc. 0.49				EPA 1613B		0.19 - 0.55	10 - 14
2,4-Dichlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L	ND		ND	ND	ND				EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L	ND		ND	ND	ND			17	EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L	ND		ND	ND	ND			1	EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.53		ND	ND	DNQ Est. Conc. 1.5			0.6	EPA 625	10	0.12 - 0.17	10.0
2,4'-DDD	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
2,4'-DDE	ug/L	ND		ND	ND	ND				EPA 608		0.001 - 0.002	0.01
2,4'-DDT	ug/L	ND		ND	ND	ND				EPA 608		0.002 - 0.003	0.01
2,6-Dinitrotoluene	ug/L	ND		ND	ND	ND				EPA 625	5	0.12 - 0.22	5.0
3,3'-Dichlorobenzidine	ug/L	ND		ND	ND	ND		1.4		EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.21 - 0.28	5.0
4-Chloro-3-methylphenol	ug/L	ND		ND	ND	ND				EPA 625	1	0.13 - 0.22	1.0
4-Chlorophenyl phenyl ether	ug/L	ND		ND	ND	ND				EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L	ND		ND	ND	ND				EPA 625	10	1.3 - 1.4	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	0.15 - 0.38	1.0
Acenaphthylene	ug/L	ND		ND	ND	ND				EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L	ND		ND	ND	ND			5.2	EPA 624		1.3	2.0
Acrylonitrile	ug/L	ND		ND	ND	ND			2.7	EPA 624		0.20	2.0
Aldrin	ug/L	ND		ND	ND	ND			0.0037	EPA 608	0.005	0.0009 - 0.002	0.005
alpha hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.002	0.01
Ammonia Nitrogen	mg/L	41.3	45.5	37.5	41.8	45.5			40	SM 4500 NH3 C & SM 4500 NH3 G		0.240 - 2.00	2.50 - 10.0
Anthracene	ug/L	ND		ND	ND	ND				EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L	2.03		2.03	3.14	6.26			9.8	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

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Aroclor 1254	ug/L		ND			ND			ND		
Aroclor 1260	ug/L		ND			ND			ND		
Arsenic	ug/L	1.80	1.92	2.16	1.88	1.76	1.77	2.07	1.91	2.28	2.16
Benzene	ug/L		ND			ND			ND		
Benzidine	ug/L		ND			ND			ND		
Benzo(a)anthracene (1,2-benzanthracene)	ug/L		ND			ND			ND		
Benzo(a)pyrene	ug/L		ND			ND			ND		
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L		ND			ND			ND		
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L		ND			ND			ND		
Benzo(k)fluoranthene	ug/L		ND			ND			ND		
Beryllium	ug/L		ND			ND			ND		
beta-hexachlorocyclohexane	ug/L		ND			ND			ND		
Bis(2-chloro-ethoxy)methane	ug/L		ND			ND			ND		
Bis(2-chloro-isopropyl)ether	ug/L		ND			ND			ND		
Bis(2-chloroethyl)ether	ug/L		ND			ND			ND		
Bis(2-ethylhexyl) phthalate	ug/L		4.7			DNQ Est. Conc. 1.8			2.2		
BOD	mg/L	4.0	4.0	4.3	4.1	3.4	3.3	3.5	2.8	2.5	2.7
Bromoform	ug/L		ND			ND			ND		
Bromomethane	ug/L		ND			ND			ND		
Butyl benzyl phthalate	ug/L		ND			ND			ND		
Cadmium	ug/L	ND	0.38	ND	ND	ND	ND	DNQ Est. Conc. 0.03	ND	ND	ND
Carbon tetrachloride	ug/L		ND			ND			ND		
Chlordane-alpha	ug/L		ND			ND			ND		
Chlordane-gamma	ug/L		ND			ND			ND		
Chlordene-alpha	ug/L		ND			ND			ND		
Chlordene-gamma	ug/L		ND			ND			ND		
Chlorine (Total) 120" outfall	ug/L.	80	79	ND	ND	ND	ND	ND	ND	ND	100
Chlorine (Total) 90" outfall	ug/L.	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L		ND			ND			ND		
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.32			ND			ND		
Chloroethane	ug/L		ND			ND			ND		
Chloroform	ug/L		20.7			14.9			16.2		
Chloromethane	ug/L		ND			ND			ND		
Chromium (III)	ug/L		1.38			1.36			2.16		
Chromium (VI)	ug/L	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.03	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.01	DNQ Est. Conc. 0.01	0.17	ND	0.15	0.10	ND
Chrysene	ug/L		ND			ND			ND		
cis-Nonachlor	ug/L		ND			ND			ND		
COD	mg/L	56	57	59	56	52	52	51	50	50	49
Copper	ug/L	7.30	4.18	3.79	2.62	2.82	2.81	2.63	3.27	4.47	2.37
Cyanide	ug/L	5.15	8.55	8.27	6.90	DNQ Est. Conc. 4.29	6.76	5.99	5.97	5.98	5.46
delta-hexachlorocyclohexane	ug/L		ND			ND			ND		
Di-n-butyl phthalate	ug/L		DNQ Est. Conc. 1.7			DNQ Est. Conc. 1.3			ND		
Di-n-octyl phthalate	ug/L		ND			ND			ND		
Dibenzo(a,h)anthracene	ug/L		ND			ND			ND		
Dichlorobromomethane	ug/L		1.1			0.64			0.51		
Dichloromethane	ug/L		3.0			2.1			1.8		
Dieldrin	ug/L		ND			ND			ND		
Diethyl phthalate	ug/L		ND			DNQ Est. Conc. 0.21			ND		
Dimethyl phthalate	ug/L		ND			ND			ND		
Endosulfan sulfate	ug/L		ND			ND			ND		
Endosulfan-alpha	ug/L		ND			ND			ND		
Endosulfan-beta	ug/L		ND			ND			ND		
Endrin aldehyde	ug/L		ND			ND			ND		
Endrin	ug/L		ND			ND			ND		
Ethylbenzene	ug/L		ND			ND			ND		
Fluoranthene	ug/L		ND			ND			ND		
Fluorene	ug/L		ND			ND			ND		
gamma-hexachlorocyclohexane	ug/L		ND			ND			ND		
Gross alpha radioactivity	pCi/L	4.09	3.62	ND	ND	1.40	6.07	ND	1.91	2.48	ND
Gross beta radioactivity	pCi/L	5.66	3.91	ND	11.1	7.00	5.38	4.61	9.48	4.28	11.5
Heptachlor epoxide	ug/L		ND			ND			ND		
Heptachlor	ug/L		ND			ND			ND		
Hexachlorobenzene	ug/L		ND			ND			ND		
Hexachlorobutadiene	ug/L		ND			ND			ND		

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Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
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	1.94	1.96	1.76	1.97	2.28			2.5	EPA 200.8	2	0.14 - 0.16	1.00
Benzene	ug/L	ND		ND	ND	ND			0.75	EPA 624	2	0.15	0.50
Benzidine	ug/L	ND		ND	ND	ND		0.012		EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.035 - 0.070	0.10 - 0.20
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND		ND	ND	ND				EPA 610	10	0.020 - 0.040	0.10 - 0.20
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND		ND	ND	ND				EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L	ND		ND	ND	ND				EPA 610	10	0.025 - 0.050	0.10 - 0.20
Beryllium	ug/L	ND		ND	ND	ND			0.15	EPA 200.8	0.5	0.030 - 0.040	0.25
beta-hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.005	0.002 - 0.003	0.005
Bis(2-chloro-ethoxy)methane	ug/L	ND		ND	ND	ND			1.3	EPA 625	5	0.13 - 0.50	5.0
Bis(2-chloro-isopropyl)ether	ug/L	ND		ND	ND	ND			1.6	EPA 625	2	0.16 - 0.25	2.0
Bis(2-chloroethyl)ether	ug/L	ND		ND	ND	ND			0.95	EPA 625	1	0.13 - 0.19	1.0
Bis(2-ethylhexyl) phthalate	ug/L	3.0		DNQ Est. Conc. 1.8	2.5	4.7			17	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	3.6	3.6	2.5	3.5	4.3		30		SM 5210B		0.6	2.4
Bromoform	ug/L	ND		ND	ND	ND				EPA 624	2	0.17	0.50
Bromomethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.21 - 0.33	0.50
Butyl benzyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L	ND	ND	ND	0.03	0.38			0.1	EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND			1	EPA 624	2	0.28	0.50
Chlordane-alpha	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
Chlordane-gamma	ug/L	ND		ND	ND	ND				EPA 608		0.002	0.01
Chlordene-alpha	ug/L	ND		ND	ND	ND				EPA 608		0.0003 - 0.0004	0.02
Chlordene-gamma	ug/L	ND		ND	ND	ND				EPA 608		0.002 - 0.005	0.01
Chlorine (Total) 120" outfall	ug/L.	ND	ND	ND	22	100				SM 4500 Cl G		0	50 - 100
Chlorine (Total) 90" outfall	ug/L.	ND	ND	ND	5.0	60				SM 4500 Cl G		0	50 - 100
Chlorobenzene	ug/L	ND		ND	ND	ND			1.2	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.21		ND	ND	DNQ Est. Conc. 0.32			0.6	EPA 624	2	0.14	0.50
Chloroethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	9.1		9.1	15	20.7			30	EPA 624	2	0.18	0.50
Chloromethane	ug/L	ND		ND	ND	ND				EPA 624	2	0.15 - 0.19	0.50
Chromium (III)	ug/L	1.35		1.35	1.56	2.16			3.3	Chromium III Calculation			
Chromium (VI)	ug/L	0.16	0.14	ND	0.06	0.17			1.5	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L	ND		ND	ND	ND				EPA 610	10	0.025 - 0.050	0.10 - 0.20
cis-Nonachlor	ug/L	ND		ND	ND	ND				EPA 608		0.0006 - 0.002	0.01
COD	mg/L	54	56	49	54	59				SM 5220C (SMicro)		7.3	10.0
Copper	ug/L	2.27	2.42	2.27	3.41	7.30			4.9	EPA 200.8	0.5	0.04 - 0.16	0.50
Cyanide	ug/L	7.86	6.61	DNQ Est. Conc. 4.29	6.13	8.55			19	SM 4500 CN E	5	0.5 - 0.7	5.00
delta-hexachlorocyclohexane	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	DNQ Est. Conc. 1.7			4.4	EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L	ND		ND	ND	ND				EPA 625	10	0.12 - 0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND		ND	ND	ND				EPA 610	10	0.020 - 0.040	0.10 - 0.20
Dichlorobromomethane	ug/L	0.64		0.51	0.72	1.1			2	EPA 624	2	0.17	0.50
Dichloromethane	ug/L	0.80		0.80	1.9	3.0			3	EPA 624	2	0.18	0.50
Dieldrin	ug/L	ND		ND	ND	ND			0.005	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L	ND		ND	ND	DNQ Est. Conc. 0.21			2.1	EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L	ND		ND	ND	ND			1.9	EPA 625	2	0.19 - 0.26	2.0
Endosulfan sulfate	ug/L	ND		ND	ND	ND				EPA 608	0.05	0.002 - 0.009	0.01
Endosulfan-alpha	ug/L	ND		ND	ND	ND				EPA 608	0.02	0.001	0.01
Endosulfan-beta	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.003	0.01
Endrin aldehyde	ug/L	ND		ND	ND	ND				EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L	ND		ND	ND	ND			0.01	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND			1.9	EPA 624	2	0.18	0.50
Fluoranthene	ug/L	ND		ND	ND	ND			1.9	EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L	ND		ND	ND	ND				EPA 625	10	0.18 - 0.30	10.0
gamma-hexachlorocyclohexane	ug/L	ND		ND	ND	ND				EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	7.48	1.98	ND	2.42	7.48			6.3	EPA 900.0		1.64 - 3.87	1.64 - 3.87
Gross beta radioactivity	pCi/L	6.26	3.92	ND	6.09	11.5			29	EPA 900.0		2.13 - 3.20	2.13 - 3.20
Heptachlor epoxide	ug/L	ND		ND	ND	ND			0.0033	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L	ND		ND	ND	ND			0.005	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L	ND		ND	ND	ND		0.035		EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14 - 0.33	1.0

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Hexachlorocyclopentadiene	ug/L		ND			ND			ND		
Hexachloroethane	ug/L		ND			ND			ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND			ND			ND		
Isophorone	ug/L		ND			ND			ND		
Lead	ug/L	0.59	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.09
Mercury	ug/L	0.0029	0.0036	0.0027	0.0024	0.0030	0.0031		0.0032	0.0026	0.0020
Methyl-tert-butyl-ether	ug/L		2.6			DNQ Est. Conc. 0.45			1.7		
n-Nitrosodi-n-propylamine	ug/L		ND			ND			ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND			ND			ND		
n-Nitrosodiphenylamine	ug/L		ND			ND			ND		
Naphthalene	ug/L		ND			ND			ND		
Nickel	ug/L	8.59	8.42	7.58	7.23	7.48	8.44	7.73	6.82	7.96	6.83
Nitrate as Nitrogen	mg/L		ND			ND			ND		
Nitrite as Nitrogen	mg/L		0.04			0.23			0.24		
Nitrobenzene	ug/L		ND			ND			ND		
OctaCDD	pg/L		DNQ Est. Conc. 5.9			DNQ Est. Conc. 4.6			DNQ Est. Conc. 9.5		
OctaCDF	pg/L		DNQ Est. Conc. 0.86			DNQ Est. Conc. 2.7			DNQ Est. Conc. 5.8		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L		2.90			2.12			2.42		
Oxychlordane	ug/L		ND			ND			ND		
PCB-105	pg/L								DNQ Est. Conc. 8.2		
PCB-110/115	pg/L								DNQ Est. Conc. 31		
PCB-114	pg/L								ND		
PCB-118	pg/L								22		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								DNQ Est. Conc. 2.7		
PCB-129/138/163	pg/L								DNQ Est. Conc. 23		
PCB-135/151	pg/L								DNQ Est. Conc. 7.8		
PCB-147/149	pg/L								DNQ Est. Conc. 19		
PCB-153/168	pg/L								DNQ Est. Conc. 20		
PCB-156/157	pg/L								DNQ Est. Conc. 3.1		
PCB-158	pg/L								DNQ Est. Conc. 2.2		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 4.7		
PCB-177	pg/L								DNQ Est. Conc. 3.0		
PCB-180/193	pg/L								DNQ Est. Conc. 14		
PCB-183	pg/L								DNQ Est. Conc. 5.0		
PCB-187	pg/L								DNQ Est. Conc. 8.5		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-201	pg/L								ND		
PCB-206	pg/L								DNQ Est. Conc. 1.6		
PCB-18/30	pg/L								DNQ Est. Conc. 77		
PCB-20/28	pg/L								DNQ Est. Conc. 130		
PCB-37	pg/L								DNQ Est. Conc. 44		
PCB-44/47/65	pg/L								DNQ Est. Conc. 130		
PCB-49/69	pg/L								DNQ Est. Conc. 59		
PCB-52	pg/L								DNQ Est. Conc. 120		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 82		
PCB-66	pg/L								DNQ Est. Conc. 42		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 19		
PCB-90/101/113	pg/L								DNQ Est. Conc. 32		
PCB-99	pg/L								DNQ Est. Conc. 10		
Pentachlorophenol	ug/L		ND			ND			ND		
Phenanthrene	ug/L		ND			ND			ND		
Phenol	ug/L		ND			DNQ Est. Conc. 0.71			ND		
pH	SU	7.2	7.2	7.1	7.2	7.3	7.2	7.1	7.1	7.1	7.1
Pyrene	ug/L		ND			ND			ND		
Selenium	ug/L	3.42	3.67	4.84	3.04	2.88	3.55	4.62	2.83	3.76	4.33
Settleable Solids	ml/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
Hexachlorocyclopentadiene	ug/L	ND		ND	ND	ND			7.5	EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L	ND		ND	ND	ND			0.7	EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND		ND	ND	ND				EPA 610	10	0.020 - 0.040	0.10 - 0.20
Isophorone	ug/L	ND		ND	ND	ND			0.65	EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.10	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.09	0.05	0.59			0.4	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.0013	0.0047	0.0013	0.0029	0.0047			0.04	EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.00050
Methyl-tert-butyl-ether	ug/L	1.4		DNQ Est. Conc. 0.45	1.4	2.6				EPA 624		0.12	0.50
n-Nitrosodi-n-propylamine	ug/L	ND		ND	ND	ND			0.6	EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L	ND		ND	ND	ND			0.7	EPA 625	5	0.14 - 0.32	5.0
n-Nitrosodiphenylamine	ug/L	ND		ND	ND	ND			0.75	EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L	ND		ND	ND	ND				EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L	6.92	9.45	6.82	7.79	9.45			13	EPA 200.8	1	0.10 - 0.13	1.00
Nitrate as Nitrogen	mg/L	ND		ND	ND	ND				SM 4500 NO3 E		0.00600 - 0.0100	0.100
Nitrite as Nitrogen	mg/L	0.09		0.04	0.2	0.24				SM 4500 NO2 B		0.00050 - 0.00160	0.0100 - 0.0400
Nitrobenzene	ug/L	ND		ND	ND	ND			2.2	EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L	DNQ Est. Conc. 7.2		DNQ Est. Conc. 4.6	ND	DNQ Est. Conc. 9.5				EPA 1613B		0.22 - 1.1	100 - 140
OctaCDF	pg/L	DNQ Est. Conc. 11		DNQ Est. Conc. 0.86	ND	DNQ Est. Conc. 11				EPA 1613B		0.28 - 0.99	100 - 140
Oil and grease	mg/L	ND	ND	ND	ND	ND	45	15		EPA 1664A		0.8 - 1.3	1.0 - 5.0
Organic nitrogen	mg/L	2.97		2.12	2.60	2.97				SM 4500 NH3 C			1.00
Oxychlordane	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
PCB-105	pg/L			DNQ Est. Conc. 8.2	ND	DNQ Est. Conc. 8.2				EPA 1668		1.9	21
PCB-110/115	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31				EPA 1668		1.5	420
PCB-114	pg/L			ND	ND	ND				EPA 1668		1.8	21
PCB-118	pg/L			22	22	22				EPA 1668		1.6	21
PCB-123	pg/L			ND	ND	ND				EPA 1668		1.7	21
PCB-126	pg/L			ND	ND	ND				EPA 1668		2.5	21
PCB-128/166	pg/L			DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7				EPA 1668		1.4	420
PCB-129/138/163	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23				EPA 1668		1.4	620
PCB-135/151	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8				EPA 1668		1.5	420
PCB-147/149	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19				EPA 1668		1.4	420
PCB-153/168	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20				EPA 1668		1.2	420
PCB-156/157	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1				EPA 1668		1.3	42
PCB-158	pg/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2				EPA 1668		1.1	210
PCB-167	pg/L			ND	ND	ND				EPA 1668		0.91	21
PCB-169	pg/L			ND	ND	ND				EPA 1668		1.3	21
PCB-170	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7				EPA 1668		0.90	210
PCB-177	pg/L			DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0				EPA 1668		0.78	210
PCB-180/193	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14				EPA 1668		0.68	420
PCB-183	pg/L			DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0				EPA 1668		0.62	210
PCB-187	pg/L			DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 8.5				EPA 1668		1.1	210
PCB-189	pg/L			ND	ND	ND				EPA 1668		1.4	21
PCB-194	pg/L			ND	ND	ND				EPA 1668		1.4	210
PCB-201	pg/L			ND	ND	ND				EPA 1668		0.55	210
PCB-206	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6				EPA 1668		1.1	210
PCB-18/30	pg/L			DNQ Est. Conc. 77	ND	DNQ Est. Conc. 77				EPA 1668		2.1	420
PCB-20/28	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130				EPA 1668		4.9	420
PCB-37	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44				EPA 1668		6.4	210
PCB-44/47/65	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130				EPA 1668		1.0	620
PCB-49/69	pg/L			DNQ Est. Conc. 59	ND	DNQ Est. Conc. 59				EPA 1668		0.9	420
PCB-52	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120				EPA 1668		1.2	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 82	ND	DNQ Est. Conc. 82				EPA 1668		1.4	830
PCB-66	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42				EPA 1668		1.6	210
PCB-77	pg/L			ND	ND	ND				EPA 1668		2.2	21
PCB-81	pg/L			ND	ND	ND				EPA 1668		2.1	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19				EPA 1668		1.7	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 32	ND	DNQ Est. Conc. 32				EPA 1668		1.7	620
PCB-99	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10				EPA 1668		1.8	210
Pentachlorophenol	ug/L	ND		ND	ND	ND				EPA 625	5	0.38 - 0.64	1.0
Phenanthrene	ug/L	ND		ND	ND	ND				EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L	DNQ Est. Conc. 0.33		ND	ND	DNQ Est. Conc. 0.71				EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.2	7.2	7.1	7.2	7.3				SM 4500 H+ B		1.00	4.00
Pyrene	ug/L	ND		ND	ND	ND				EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	3.11	5.72	2.83	3.81	5.72			7.6	EPA 200.8	2	0.04 - 0.17	1.00
Settleable Solids	ml/L	ND	ND	ND	ND	ND	1.5	0.5		SM 2540F		0	0.1

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Silver	ug/L	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.03	ND	ND	ND	ND	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.02	ND
TCDD equivalents	pg/L		ND			ND			ND		
Temperature	Degrees F	78.4	79.3	80.0	81.5	81.8	83.6	85.8	87.1	87.6	86.7
Tetrachloroethylene	ug/L		10.9			ND			ND		
Thallium	ug/L		ND			ND			ND		
Toluene	ug/L		DNQ Est. Conc. 0.20			ND			ND		
Total Chlordanes	ug/L		ND			ND			ND		
Total DDT	ug/L		ND			ND			ND		
Total Dichlorobenzene	ug/L		ND			ND			ND		
Total Endosulfan	ug/L		ND			ND			ND		
Total Halomethanes	ug/L		ND			ND			ND		
Total HCH	ug/L		ND			ND			ND		
Total Organic Carbon	mg/L	11.8	12.1	12.8	14.8	12.4	11.9	13.2	9.7	11.4	11.6
Total PAH	ug/L		ND			ND			ND		
Total PCBs	ug/L		ND			ND			ND		
Total Phenolic Compounds (chlorinated)	ug/L		ND			ND			ND		
Total Phenolic Compounds (non-chlorinated)	ug/L		ND			ND			ND		
Total Phosphorus	mg/L		0.61			0.54			0.48		
Total Suspended Solids	mg/L	11	11	12	12	9.5	8.7	9.4	7.7	8.0	7.7
Toxaphene	ug/L		ND			ND			ND		
trans-Nonachlor	ug/L		ND			ND			ND		
Tributyltin (TBT)	ng/L		ND			ND			ND		
Trichloroethylene	ug/L		ND			ND			ND		
Turbidity	NTU	3.6	3.8	4.1	3.8	3.3	3.1	3.2	2.7	3.0	3.0
Vinyl Chloride	ug/L		ND			ND			ND		
Zinc	ug/L	13.6	13.0	10.1	8.98	10.2	9.48	12.0	12.2	16.9	9.41

JWPCP
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit			Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Performance Goal				
Silver	ug/L	DNQ Est. Conc. 0.02	DNQ Est. Conc. 0.03	ND	ND	DNQ Est. Conc. 0.04			0.2	EPA 200.8	0.25	0.01 - 0.03	0.20
TCDD equivalents	pg/L	ND		ND	ND	ND		0.65		EPA 1613B			
Temperature	Degrees F	82.4	79.2	78.4	82.8	87.6	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	DNQ Est. Conc. 0.25		ND	2.7	10.9			20	EPA 624	2	0.18	0.50
Thallium	ug/L	ND		ND	ND	ND			0.6	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L	ND		ND	ND	DNQ Est. Conc. 0.20			0.5	EPA 624	2	0.19	0.50
Total Chlordanes	ug/L	ND		ND	ND	ND		0.0038		EPA 608			
Total DDT	ug/L	ND		ND	ND	ND		0.028	0.015	EPA 608			
Total Dichlorobenzene	ug/L	ND		ND	ND	ND			0.5	EPA 624			
Total Endosulfan	ug/L	ND		ND	ND	ND			0.015	EPA 608			
Total Halomethanes	ug/L	ND		ND	ND	ND			1	EPA 624			
Total HCH	ug/L	ND		ND	ND	ND			0.015	EPA 608			
Total Organic Carbon	mg/L	11.2	12.3	9.7	12	14.8				SM 5310C		0.050 - 0.49	0.10 - 5.00
Total PAH	ug/L	ND		ND	ND	ND			0.95	EPA 625			
Total PCBs	ug/L	ND		ND	ND	ND		0.0032		EPA 608			
Total Phenolic Compounds (chlorinated)	ug/L	ND		ND	ND	ND			1.9	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L	ND		ND	ND	ND			3.6	EPA 625			
Total Phosphorus	mg/L	0.69		0.48	0.58	0.69				SM4500P-E		0.00750 - 0.0200	0.250
Total Suspended Solids	mg/L	9.9	9.1	7.7	9.7	12		30		SM 2540D		5.0 - 7.3	5.0 - 7.3
Toxaphene	ug/L	ND		ND	ND	ND		0.035		EPA 608	0.5	0.04 - 0.08	0.5
trans-Nonachlor	ug/L	ND		ND	ND	ND				EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L	ND		ND	ND	ND			10	Tributyltin by GC/FPD		1.3	2.9
Trichloroethylene	ug/L	ND		ND	ND	ND			0.85	EPA 624	2	0.28	0.50
Turbidity	NTU	4.1	3.6	2.7	3.4	4.1		75		SM 2130B		0.0090 - 0.12	0.10 - 0.12
Vinyl Chloride	ug/L	ND		ND	ND	ND			1.3	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	9.13	11.9	8.98	11.4	16.9			37	EPA 200.8	1	0.22 - 0.66	1.00

JWPCP Biosolids Monitoring

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 98-50.1.10 SI

Ms. Lauren Fondahl
U.S. EPA - Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Ms. Fondahl:

Annual Biosolids Monitoring Report
Joint Water Pollution Control Plant, NPDES No. CA0053813

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that the pathogen reduction requirements in 503.32(b)(3) and the vector attraction reduction requirements in 503.33(b)(1) have been met for the entire year. These determinations have been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Should you have any questions or require additional information, please contact me at (562) 908-4288, extension 2824, or by email at mfischer@lacsd.org.

Very truly yours,

Melissa Fischer
Monitoring Supervising Engineer
Technical Services Department

MF:TF:MC:GS:nm
Enclosures

cc: Unger, Los Angeles RWQCB
Creedon, Central Valley RWQCB
Phalen, ADEQ
Kouyoumdjian, Lahontan RWQCB

#3605023

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 98-50.1.5B SI

Mr. Samuel Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th St., Suite 200
Los Angeles, CA 90013

Annual Biosolids Monitoring Report
Joint Water Pollution Control Plant, NPDES No. CA0053813

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment for knowing violations.

Melissa Fischer	Monitoring Supervising Engineer
Printed Name of Person Signing	Official Title
	19Feb16
Signature	Date Signed

MF:MC:GS:nm
Enclosures

#3605024

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
JOINT WATER POLLUTION CONTROL PLANT

2015 ANNUAL BIOSOLIDS MONITORING REPORT

GENERAL INFORMATION

Operator:	County Sanitation Districts of Los Angeles County
Contact:	Melissa Fischer
Address:	1955 Workman Mill Road, P.O. Box 4998, Whittier, CA 90607
Telephone:	(562) 908-4288, extension 2824
Ownership Status:	Publicly Owned Treatment Works

FACILITY INFORMATION

Name:	Joint Water Pollution Control Plant (JWPCP)
Location:	24501 S. Figueroa Street, Carson, CA 90745
Telephone:	(310) 830-2400
NPDES Number:	CA0053813
Capacity/Influent Flow:	400 MGD / 258 MGD

BIOSOLIDS INFORMATION

Treatment: Primary and thickened waste activated sludges were anaerobically digested at an average temperature of 96.1 degrees Fahrenheit and detention time of 20 days. Volatile solids destruction averaged 53% and digested biosolids were dewatered to approximately 28.6% total solids via scroll centrifuges. Dewatered biosolids were transported to various reuse or disposal sites as summarized on page 4 and described on pages 5 – 10. On October 23, 2015, a biosolids dryer pilot project commenced operations which produced heat-dried biosolids. The facility also co-digested 10,859 wet tons of food waste (1,330 dry metric tons, at 13.5% total solids).

Quantities Generated: Biosolids: 442,708 wet tons = 126,614 dry tons = 114,862 dry metric tons (1,213 wet tons per day = 347 dry tons per day = 315 dry metric tons per day) 7.39 wet tons of heat-dried biosolids, which has an approximate solids content of 98%, were generated as a result of the biosolids dryer pilot project and sent to Inland Empire Regional Composting Facility. Digester cleanings: 15,758 wet tons = 4,507 dry tons (estimated) hauled off site for landfill disposal.

Monitoring/Frequency: Monthly average digester performance for Class B time/temperature criteria and VSD (using daily temperatures and weekly volatile solids percentages).
Monthly 24-hour composite samples for Table 1/Table 3 metals.
Quarterly 24-hour composite samples for California Title 22 STLC analyses.
Semi-Annual 24-hour composite samples for priority pollutants.

Sample Type: Digested, dewatered biosolids. The location of sample collection is immediately downstream of dewatering via centrifuges.

Quality: Class B pathogen reduction requirements of 503.32(b)(3) were met for the entire year via Process to Significantly Reduce Pathogens (PSRP) criteria (time/temperature) for anaerobic digestion.

Vector Attraction Reduction requirements were met per 503.33(b)(1) for the entire year.

No samples exceeded Table 1 and Table 3 metal concentrations. Results for the reporting period are shown on page 3; additional metals data are presented in Attachment A.

Samples were characterized as non-hazardous per the California Title 22 Waste Extraction Test. Data are presented in Attachment A.

JOINT WATER POLLUTION CONTROL PLANT

2015 DIGESTER PERFORMANCE			
Month	Temperature (degrees F)	Detention Time (days)	VSD (%)
Jan	96.1	19	54
Feb	96.1	19	53
Mar	96.1	19	54
Apr	96.1	20	54
May	96.2	20	52
Jun	96.2	20	53
Jul	96.3	20	54
Aug	96.2	22	52
Sep	96.2	19	54
Oct	96.1	19	53
Nov	95.9	19	53
Dec	96.1	19	55
Mean	96.1	20	53
Min	95.9	19	52

2015 BIOSOLIDS CAKE – TABLE 1/TABLE 3 METALS CONCENTRATIONS											
			mg/kg Dry Weight								
	Sample No.	Date	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
Jan	15010700297	1/6/2015	6.89	4.9	400	15.1	0.89	20.7	53.3	23.0	886
Feb	15020400164	2/3/2015	6.90	6.8	366	14.5	0.93	23.1	48.1	20.9	855
Mar	15030400179	3/3/2015	6.83	6.9	336	14.8	1.41	22.3	46.2	21.6	830
Apr	1540800150	4/7/2015	6.34	6.4	361	16.8	1.10	22.5	52.0	20.9	842
May	15050600224	5/5/2015	6.22	6.4	392	17.4	1.18	26.2	49.0	20.4	870
Jun	15060300188	6/2/2015	7.04	6.1	319	17.9	1.05	23.0	48.0	24.6	826
Jul	15070800184	7/7/1015	7.64	6.9	360	19.0	0.84	24.5	48.1	23.7	867
Aug	15080500138	8/4/2015	6.93	6.6	383	16.1	0.92	22.7	45.3	24.4	957
Sep	15090200201	9/1/2015	7.33	9.1	322	15.6	1.34	31.3	46.0	21.1	828
Oct	15100700135	10/6/2015	7.58	7.2	368	18.2	0.87	31.5	45.5	25.4	883
Nov	15110400225	11/3/2015	7.07	5.0	348	17.0	0.95	27.6	44.9	23.3	859
Dec	15120200228	12/1/2015	8.51	4.7	339	15.8	0.91	25.3	48.7	21.7	835
MEAN			**7.11**	**6.4**	**358**	**16.5**	**1.03**	**25.1**	**47.9**	**22.6**	**862**
MAX			**8.51**	**9.1**	**400**	**19.0**	**1.41**	**31.5**	**53.3**	**25.4**	**957**
TABLE 1 LIMITS			**75**	**85**	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS			**41**	**39**	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

JOINT WATER POLLUTION CONTROL PLANT

2015 BIOSOLIDS REUSE SUMMARY			
Contractor	Type of Operation	Site	Wet Tons
Liberty Composting Inc.	Composting	Liberty Composting Kern County, CA	110,732
Synagro-WWT, Inc.	Composting	South Kern Industrial Center Composting Facility, LLC Kern County, CA	50,552
Inland Empire Regional Composting Authority	Composting	Inland Empire Regional Composting Facility San Bernardino County, CA	83,007*
Nursery Products, LLC.	Composting	Nursery Products Hawes Composting Facility San Bernardino County, CA	87,065
Holloway Environmental	Landfill Disposal	Holloway Landfill, Kern County, CA	66,870
Denali Water Solutions, LLC.	Direct Land Application	Desert Ridge Farms, Yuma County, AZ	41,591
Denali Water Solutions, LLC.	Direct Land Application	Cullison Farms, Tacna, Yuma County, AZ	2,866
Denali Water Solutions, LLC.	Direct Land Application	Robinson Ranch, Merced County, CA	25
Total Tonnage			442,708

* 83,000 wet tons of centrifuged biosolids and 7 wet tons of heat-dried biosolids, which has an approximate solids content of 98%, were sent to Inland Empire Regional Composting Facility for composting.

MANAGEMENT PRACTICES

Composting

Contract Company:	**Liberty Composting, Inc.**
Contact:	Pat McCarthy
Address:	12421 Holloway Road, Lost Hills, CA 93249
Telephone:	(661) 797-2914
Site Location:	Liberty Composting, Inc.; Kern County, CA Township 26S, Range 20E, Section 4, MDM; (163 acres)
Site Contact:	Wilson Nolan
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	CalRecycle Solid Waste Facility Permit No. 15-AA-0287, issued May 3,1999 expires December 25, 2019 Kern County Conditional Use Permit No. 5, April 24, 1995 (revised July 9, 1998) Central Valley Regional Water Quality Control Board Waste Discharge Requirements, No. R5-2009-0018, February 5, 2009 San Joaquin Valley Unified Air Pollution Control District Nos. S-360-3-3 & S-360-1-6, expires October 31, 2020
Contract Commenced:	September 25, 2013
Operations Commenced:	January 5, 1998
Biosolids Quantity:	110,732 wet tons = 31,669 dry tons = 28,730 dry metric tons

Contract Company:	**Synagro-WWT, Inc.**
Contact:	Steve Cole
Address:	435 Williams Court Suite 100, Baltimore, MD 21220
Telephone:	(661) 765-2200
Site Location:	South Kern Compost Manufacturing Facility, LLC; Kern County, CA
Site Contact:	Anthony Cordova
Address:	2653 Santiago Road, Taft, CA 93268 Township 32S, Range 25E, Section 13 & 24 (100 acres)
Telephone:	(661) 765-2200 ext. 223
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	CalRecycle Solid Waste Facility Permit No. 15-AA-0381, September 11, 2014 Kern County Conditional Use Permit No. 2, Map #158, October 23, 2002 Central Valley Regional Water Quality Control Board Waste Discharge Requirements, No. R5-2005-0077, July 24, 2005 San Joaquin Valley Unified Air Pollution Control District Nos. S-4212-3-2, S-4212-2-3, S-4212-4-1, S-4212-5-1, expires February 29, 2016
Contract Commenced:	July 14, 2004, amended on December 13, 2006
Operations Commenced:	December 28, 2006
Biosolids Quantity:	50,552 wet tons = 14,458 dry tons = 13,116 dry metric tons

Owner/Operator:	**Inland Empire Regional Composting Authority**
Contact:	Melissa Fischer
Address:	LACSD, 1955 Workman Mill Road, P.O. Box 4998, Whittier, CA 90607
Telephone:	(562) 908-4288 extension 2824
Site Location:	Inland Empire Regional Composting Facility; San Bernardino County, CA
Site Contact:	Jeff Ziegenbein
Address:	12645 6th St, Rancho Cucamonga, CA 91739
Telephone:	(909) 993-1981
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	City of Rancho Cucamonga Conditional Use Permit DRC2003-00097, Resolution No. 03-103, July 23, 2003 South Coast Air Quality Management District Permit to Operate Enclosed Co-Composting No. G10583, May 16, 2013 Permit to Operate Bio filter No. 505862, May 16, 2013 CalRecycle Solid Waste Facility Permit No. 36-AA-0423, January 23, 2004 State Water Resources Control Board WDID No. 836C330308 Notice of Intent Receipt, October 7, 2004
Operations Commenced:	March 8, 2007
Biosolids Quantity:	83,007 wet tons = 23,740 dry tons = 21,537 dry metric tons

Contract Company:	**Nursery Products, LLC**
Contact:	Mr. Jeff Meberg
Address:	647 Camino de los Mares #108-174 San Clemente, CA 92673
Telephone:	(714) 287-7654
Site Location:	Nursery Products Hawes Composting Facility 14479 Cougar Road, Helendale, CA 92342
Site Contact:	Chris Seney
Telephone:	(760) 272-1224
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	Cal Recycle/LEA Solid Waste Facility Permit #36-AA-0445, August 31, 2007 Lahontan Regional Water Quality Control Board Waste Discharge Requirement Permit No.R6V-2010-0010, March 10, 2010 San Bernardino County Conditional Use Permit – No. P200500644CU1, December 3, 2009
Contract Commenced:	September 25, 2013
Operations Commence:	June 1, 2012
Biosolids Quantity:	87,065 wet tons = 24,900 dry tons = 22,589 dry metric tons

Landfill

Contract Company:	**Holloway Environmental**
Contact:	Mr. Dan Allen
Address:	2019 Westwind Dr. Suite B, Bakersfield, CA 93301
Telephone:	(661) 758-6484
Site Location:	Holloway Landfill, 13850 Holloway Rd. Lost Hills, CA 93249
Site Contact:	Chad Wright
Telephone:	(661) 797-2320
CA Permit:	CalRecycle Solid Waste Facility Permit No. 15-AA-00308, June 4, 2009 Kern County Conditional Use Permit No. 9, April 1, 2008 Central Valley Regional Water Quality Control Board Waste Discharge Requirements, No. R5-2010-0123, December 10, 2010 San Joaquin Valley Unified Air Pollution Control District Nos. S-7754-1-1, expires May 31, 2020
Contract Commenced:	April 24, 2013
Operations Commenced:	December 29, 2008
Biosolids Quantity:	66,870 wet tons = 19,125 dry tons = 17,350 dry metric tons

Direct Land Application

Contract Company:	**Denali Water Solutions, LLC.**
Contact:	Mr. Chris Marks
Address:	12812 Valley View Street #9, Garden Grove, CA 92845
Telephone:	(760) 801-3175
Site Location:	Desert Ridge Farms, Yuma County, AZ Township 10S, Range 23W, Sections 26, 27, 33, 34, and 35 (3,720 acres)
Reuse Process:	Bulk Application to Agricultural Land, Annual report attached
AZ Permits:	Arizona Department of Environmental Quality (ADEQ) Letter of Registration/LTF #37613, September 12, 2005, amended November 21, 2006, amended October 30, 2007 (LTF #45935), amended December 18, 2009 (LTF #51225)
Contract Commenced:	October 10, 2012
Biosolids Quantity:	41,591 wet tons = 11,895 dry tons = 10,791 dry metric tons
Contract Company:	**Denali Water Solutions, LLC.**
Contact:	Mr. Chris Marks
Address:	12812 Valley View Street #9, Garden Grove, CA 92845
Telephone:	(760) 801-3175
Site Location:	Cullison Farms, Tacna, Yuma County, AZ Township 8S, Range 16W, Sections 15, 16, 19, 20, 22
Reuse Process:	Bulk Application to Agricultural Land, Annual report attached
AZ Permits:	Arizona Department of Environmental Quality (ADEQ) Letter of Registration/LTF #38355, November 23, 2005
Contract Commenced:	October 10, 2012
Biosolids Quantity:	2,866 wet tons = 820 dry tons = 743 dry metric tons
Contract Company:	**Denali Water Solutions, LLC.**
Contact:	Mr. Chris Marks
Address:	12812 Valley View Street #9, Garden Grove, CA 92845
Telephone:	(760) 801-3175
Site Location:	Robinson Ranch, Snelling, Merced County, CA Township 5S, Range 14E, Sections 29, 30, 31, 32
Reuse Process:	Bulk Application to Agricultural Land, Annual report attached
CA Permits:	Merced County Department of Public Health, Division of Environmental Health, Letter RE: Merced County Sludge Management Plan 2008, May 5, 2008
Contract Commenced:	October 10, 2012
Biosolids Quantity:	25 wet tons = 7 dry tons = 6 dry metric tons

ATTACHMENT A

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
JOINT WATER POLLUTION CONTROL PLANT

1. Metals
2. Nutrients and Miscellaneous Constituents
3. Soluble Metals
4. Digester Performance
5. Organics
6. Denali Water Solutions Annual Report

2015 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake -Total Metals Concentrations
mg/kg Dry Weight

Sample No.	Date	% TS	As	Cd [A]	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	Al
15010700297	1/6/2015	28.8	6.89	4.9	72.3	400	15.1	0.89	20.7	53.3	23.0	886	7,170
15020400164	2/3/2015	28.1	6.90	6.8	75.0	366	14.5	0.93	23.1	48.1	20.9	855	-
15030400179	3/3/2015	28.5	6.83	6.9	71.2	336	14.8	1.41	22.3	46.2	21.6	830	-
15040800150	4/7/2015	28.6	6.34	6.4	70.8	361	16.8	1.10	22.5	52.0	20.9	842	7,900
15050600224	5/5/2015	28.5	6.22	6.4	68.0	392	17.4	1.18	26.2	49.0	20.4	870	-
15060300188	6/2/2015	29.2	7.04	6.1	60.2	319	17.9	1.05	23.0	48.0	24.6	826	-
15070800184	7/7/2015	29.8	7.64	6.9	62.3	360	19.0	0.84	24.5	48.1	23.7	867	8,280
15080500138	8/4/2015	27.2	6.93	6.6	67.4	383	16.1	0.92	22.7	45.3	24.4	957	-
15090200201	9/1/2015	29.4	7.33	9.1	73.5	322	15.6	1.34	31.3	46.0	21.1	828	-
15100700135	10/6/2015	28.7	7.58	7.2	69.9	368	18.2	0.87	31.5	45.5	25.4	883	8,020
15110400225	11/3/2015	27.7	7.07	5.0	65.9	348	17.0	0.95	27.6	44.9	23.3	859	-
15120200228	12/1/2015	28.6	8.51	4.7	63.7	339	15.8	0.91	25.3	48.7	21.7	835	-
MEAN		**28.6**	**7.11**	**6.4**	**68.4**	**358**	**16.5**	**1.03**	**25.1**	**47.9**	**22.6**	**862**	**7,840**
MAX			**8.51**	**9.1**	**75.0**	**400**	**19.0**	**1.41**	**31.5**	**53.3**	**25.4**	**957**	**8,280**
TABLE 1 LIMITS		\	**75**	**85**	\	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**	\
TABLE 3 LIMITS		\	**41**	**39**	\	**1,500**	**300**	**17**	\	**420**	**100**	**2,800**	\

Sample No.	Date	% TS	Sb	Ba	Be	Co	Fe	Mn	K	Ag	Tl	Sn	V
15010700297	1/6/2015	28.8	4.50	1,270	< 0.20	8.20	112,000	278	1,010	4.01	< 0.20	38.5	71.4
15020400164	2/3/2015	28.1	-	-	-	-	-	-	-	-	-	-	-
15030400179	3/3/2015	28.5	-	-	-	-	-	-	-	-	-	-	-
15040800150	4/7/2015	28.6	3.02	1,200	< 0.20	7.67	99,600	291	925	5.56	< 0.20	40.0	59.8
15050600224	5/5/2015	28.5	-	-	-	-	-	-	-	-	-	-	-
15060300188	6/2/2015	29.2	-	-	-	-	-	-	-	-	-	-	-
15070800184	7/7/2015	29.8	5.69	1,430	< 0.20	7.98	103,000	269	953	4.41	< 0.20	47.4	74.8
15080500138	8/4/2015	27.2	-	-	-	-	-	-	-	-	-	-	-
15090200201	9/1/2015	29.4	-	-	-	-	-	-	-	-	-	-	-
15100700135	10/6/2015	28.7	4.52	1,300	< 0.20	6.86	95,600	286	948	3.92	< 0.20	46.6	61.8
15110400225	11/3/2015	27.7	-	-	-	-	-	-	-	-	-	-	-
15120200228	12/1/2015	28.6	-	-	-	-	-	-	-	-	-	-	-
MEAN		**28.6**	**4.43**	**1,300**	**ND**	**7.68**	**102,600**	**281**	**959**	**4.48**	**ND**	**43.1**	**67.0**
MAX			**5.69**	**1,430**	**ND**	**8.20**	**112,000**	**291**	**1,010**	**5.56**	**ND**	**47.4**	**74.8**

\ = No limit
ND = Not Detected
-- = No Sample
Statistics use detected values only
A = Cadmium results corrected from 2015 monthly reports as 2 significant figures for all values under 10.0.

2015 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Nutrients and Miscellaneous Constituents
mg/kg Dry Weight (or as indicated)

Sample No.	Date	% TS	Sulfur	PO_4	NH_3-N	Org-N	NO_3-N	NO_2-N	Boron	Paint FilterTest (ml/100 g)	pH
15010700297	1/6/2015	28.8	61,900 [A]	78,600	6,190	49,600	< 139	< 3.46	26.4	< 1.0	8.1
15020400164	2/3/2015	28.1	38,600 [B]	-	7,610	47,400	< 141	4.15	-	-	-
15030400179	3/3/2015	28.5	43,300 [C]	-	6,220	47,900	< 140	5.52	-	-	-
15040800150	4/7/2015	28.6	46,300 [D]	90,500	5,260	45,000	< 140	3.65	25.0	< 1.0	8.1
15050600224	5/5/2015	28.5	53,200 [E]	-	5,980	48,300	< 138	3.53	-	-	-
15060300188	6/2/2015	29.2	66,900 [F]	-	5,380	47,100	< 137	3.77	-	-	-
15070800184	7/7/2015	29.8	46,000 [G]	77,900	5,290	45,000	< 132	< 3.31	24.3	< 1.0	8.0
15080500138	8/4/2015	27.2	47,600 [H]	-	6,080	48,300	< 147	4.34	-	-	-
15090200201	9/1/2015	29.4	46,500 [I]	-	5,770	49,700	< 136	< 3.40	-	-	-
15100700135	10/6/2015	28.7	60,100 [J]	76,600	7,900	46,100	< 139	4.57	29.5	< 1.0	8.0
15110400225	11/3/2015	27.7	45,600 [K]	-	4,270	47,400	< 144	4.08	-	-	-
15120200228	12/1/2015	28.6	36,400	-	5,620	50,000	< 139	3.90	-	-	-
MEAN		**28.6**	**49,400**	**80,900**	**5,960**	**47,700**	**ND**	**4.17**	**26.3**	**ND**	**8.1**
MAX			**66,900**	**90,500**	**7,900**	**50,000**	**ND**	**4.15**	**29.5**	**ND**	**8.1**

ND = Not Detected
- = No Sample
Statistics use detected values only.
A = Lab ID: 15010700298
B = Lab ID: 15020300163
C = Lab ID: 15030400180
D = Lab ID: 15040700149
E = Lab ID: 15050600223
F = Lab ID: 15060300187
G = Lab ID: 15070800185
H = Lab ID: 15080500137
I = Lab ID: 15090200202
J = Lab ID: 15100700136
K= Lab ID: 15110400224

2015 BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Soluble Metals Concentrations - mg/L
Analyzed by California Title 22 Waste Extraction Test

Sample No.	Date	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe
15010700300	1/6/2015	131	0.0388	0.101	38.9	< 0.010	< 0.005	1.05	0.130	0.0449	2,360
15040800152	4/7/2015	184	0.0391	0.122	43.6	< 0.010	< 0.005	0.986	0.11	< 0.004	2,570
15070800187	7/7/2015	200	0.0587	0.111	44.2	< 0.010	< 0.005	0.984	0.143	< 0.100	2,750
15100700138	10/6/2015	188	0.0669	0.0824	34.1	< 0.010	< 0.005	0.987	0.107	< 0.100	2.700
MEAN		**176**	**0.0509**	**0.104**	**40.2**	**ND**	**ND**	**1.00**	**0.12**	**0.0449**	**1,920**
MAX		**200**	**0.0669**	**0.122**	**44.2**	**ND**	**ND**	**1.05**	**0.143**	**0.0449**	**2,750**
TITLE 22 STLCs		\	**15**	**5.0**	**100**	**0.75**	**1**	**5**	**80**	**25**	\

Sample No.	Date	Pb	Hg	Mo	Ni	K	Se	Ag	Tl	Sn	V	Zn
15010700300	1/6/2015	< 0.010	< 0.0005	0.273	0.933	< 0.04	0.0248	< 0.02	< 0.04	< 0.04	1.37	15.0
15040800152	4/7/2015	0.0110	< 0.0005	0.254	0.953	< 0.04	0.0312	< 0.02	< 0.04	< 0.04	1.15	18.0
15070800187	7/7/2015	0.0154	< 0.0005	0.298	< 1.000	< 0.05	0.0275	< 0.02	< 0.04	< 0.04	1.62	19.1
15100700138	10/6/2015	0.0264	< 0.0005	0.360	< 1.000	< 0.05	0.0284	< 0.02	< 0.04	< 0.04	1.140	10.3
MEAN		**0.0176**	**ND**	**0.296**	**0.943**	**ND**	**0.0280**	**ND**	**ND**	**ND**	**1.32**	**16**
MAX		**0.0264**	**ND**	**0.360**	**0.953**	**ND**	**0.0312**	**ND**	**ND**	**ND**	**1.62**	**19**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	\	**1.0**	**5**	**7.0**	\	**24**	**250**

ND = Not Detected
\ = No Limit
Statistics use detected values only.

2015 BIOSOLIDS MANAGEMENT PROGRAM

JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	96.1	19	54
February	96.1	19	53
March	96.1	19	54
April	96.1	20	54
May	96.2	20	52
June	96.2	20	53
July	96.3	20	54
August	96.2	22	52
September	96.2	19	54
October	96.1	19	53
November	95.9	19	53
December	96.1	19	55
MEAN	**96.1**	**20**	**53**
MIN	**95.9**	**19**	**52**

Semi-Annual JWPCP Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/6/15	7/7/15
Sample Number	15010700297	15070800184
	15010700298	15070800187
Constituent	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	6.89	7.64
Cadmium	4.9	6.9
Chromium	72.3	62.3
Copper	400	360
Lead	15.1	19.0
Mercury	0.89	0.84
Nickel	53.3	48.1
Selenium	23	23.7
Silver	4.01	4.41
Zinc	886	867
Antimony	4.50	5.69
Cyanide	7.54	4.01
PP'-DDD	0.270	ND
OP'-DDD	0.120	ND
PP'-DDE	0.350	0.046
Diethylhexyl Phthalate	71.1	70.6

JWPCP BIOSOLIDS CAKE
2015 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Number	15010700297	15070700184	
	15010700298	15070700187	
Sample Date:	1/6/2015	7/7/2015	Dry Weight
Description	Result	Result	Unit of Measure
PH	8.1	8.0	PH
TOTAL SOLIDS	28.8	29.8	%
TOTAL CYANIDE	7.54	4.01	MG/KG CN
ARSENIC	6.89	7.64	MG/KG AS
CADMIUM	4.9	6.9	MG/KG CD
TOTAL CHROMIUM	72.3	62.3	MG/KG CR
COPPER	400	360	MG/KG CU
LEAD	15.1	19.0	MG/KG PB
MERCURY	0.89	0.84	MG/KG HG
NICKEL	53.3	48.1	MG/KG NI
SELENIUM	23.0	23.7	MG/KG SE
SILVER	4.01	4.41	MG/KG AG
ZINC	886	897	MG/KG ZN
ANTIMONY	4.50	5.69	MG/KG SB
BERYLLIUM	< 0.20	< 0.20	MG/KG BE
THALLIUM	< 0.20	< 0.20	MG/KG TL
BARIUM	1,270	1,430	MG/KG BA
ALUMINUM	7,170	8,280	MG/KG AL
COBALT	8.20	7.98	MG/KG CO
IRON	112,000	103,000	MG/KG FE
MANGANESE	278	269	MG/KG MN
POTASSIUM	1,010	953	MG/KG K
MOLYBDENUM	20.7	24.5	MG/KG MO
TIN	38.5	47.4	MG/KG SN
VANADIUM	71.4	74.8	MG/KG V
PP'-DDE	0.350	0.046	MG/KG
PP'-DDD	0.270	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 0.025	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	MG/KG
HEPTACHLOR	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	MG/KG
ALDRIN	< 0.050	< 0.050	MG/KG
DIELDRIN	< 0.025	< 0.025	MG/KG
ENDRIN	< 0.025	< 0.025	MG/KG
TOXAPHENE	< 0.350	< 0.350	MG/KG
AROCLOR 1242	< 0.300	< 0.300	MG/KG
AROCLOR 1254	< 0.200	< 0.200	MG/KG
BETA-BHC	< 0.025	< 0.025	MG/KG
DELTA-BHC	< 0.025	< 0.025	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	MG/KG
AROCLOR 1016	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	MG/KG
AROCLOR 1260	< 0.150	< 0.150	MG/KG
N-NITROSODIMETHYLAMINE	< 34.8	< 34.1	MG/KG
CHLOROFORM	< 0.087	< 0.010	MG/KG
1,1,1-TRICHLOROETHANE	< 0.087	< 0.010	MG/KG
CARBON TETRACHLORIDE	< 0.087	< 0.010	MG/KG

JWPCP BIOSOLIDS CAKE
2015 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Number	15010700297	15070700184	
	15010700298	15070700187	
Sample Date:	1/6/2015	7/7/2015	Dry Weight
Description	Result	Result	Unit of Measure
TRICHLOROETHYLENE	< 0.087	< 0.010	MG/KG
TETRACHLOROETHYLENE	< 0.087	< 0.010	MG/KG
CHLOROBENZENE	< 0.087	< 0.010	MG/KG
VINYL CHLORIDE	< 0.087	< 0.010	MG/KG
1,1,2-TRICHLOROETHANE	< 0.087	< 0.010	MG/KG
1,2-DICHLOROETHANE	< 0.087	< 0.010	MG/KG
TOLUENE	< 0.087	< 0.010	MG/KG
ETHYL BENZENE	< 0.087	< 0.010	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.087	< 0.010	MG/KG
BROMOMETHANE	< 0.087	< 0.010	MG/KG
CHLOROETHANE	< 0.087	< 0.010	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.087	< 0.010	MG/KG
1,2-DICHLOROPROPANE	< 0.087	< 0.010	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.087	< 0.010	MG/KG
ACROLEIN	< 0.087	< 0.010	MG/KG
ACRYLONITRILE	< 0.087	< 0.010	MG/KG
ACENAPHTHENE	< 34.8	< 34.1	MG/KG
ACENAPHTHYLENE	< 34.8	< 34.1	MG/KG
ANTHRACENE	< 34.8	< 34.1	MG/KG
BENZIDINE	< 174	< 171	MG/KG
BENZO(A)ANTHRACENE	< 34.8	< 34.1	MG/KG
BENZO(A)PYRENE	< 34.8	< 34.1	MG/KG
BENZO(B)FLUORANTHENE	< 34.8	< 34.1	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 34.8	< 34.1	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 34.8	< 34.1	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 34.8	< 34.1	MG/KG
DIETHYLHEXYL PHTHALATE	71.1	70.6	MG/KG
BUTYLBENZYL PHTHALATE	< 34.8	< 34.1	MG/KG
2-CHLORONAPHTHALENE	< 34.8	< 34.1	MG/KG
CHRYSENE	< 34.8	< 34.1	MG/KG
DIBENZO(A,H)ANTHRACENE	< 34.8	< 34.1	MG/KG
1,2-DICHLOROBENZENE	< 34.8	< 34.1	MG/KG
1,3-DICHLOROBENZENE	< 34.8	< 34.1	MG/KG
1,4-DICHLOROBENZENE	< 34.8	< 34.1	MG/KG
3,3'-DICHLOROBENZIDINE	< 70	< 68.2	MG/KG
DIETHYL PHTHALATE	< 34.8	< 34.1	MG/KG
METHYLENE CHLORIDE	< 0.087	< 0.010	MG/KG
DI-N-BUTYL PHTHALATE	< 34.8	< 34.1	MG/KG
2,4-DINITROTOLUENE	< 34.8	< 0.4	MG/KG
DI-N-OCTYL PHTHALATE	< 34.8	< 34.1	MG/KG
1,2-DIPHENYLHYDRAZINE	< 34.8	< 34.1	MG/KG
FLUORANTHENE	< 34.8	< 34.1	MG/KG
FLUORENE	< 34.8	< 34.1	MG/KG
HEXACHLOROBENZENE	< 34.8	< 34.1	MG/KG
HEXACHLOROBUTADIENE	< 34.8	< 34.1	MG/KG
HEXACHLOROETHANE	< 34.8	< 34.1	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 34.8	< 34.1	MG/KG
ISOPHORONE	< 34.8	< 34.1	MG/KG
NAPHTHALENE	< 34.8	< 34.1	MG/KG
NITROBENZENE	< 34.8	< 34.1	MG/KG
DIMETHYL PHTHALATE	< 34.8	< 34.1	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 34.8	< 34.1	MG/KG
PHENANTHRENE	< 34.8	< 34.1	MG/KG

JWPCP BIOSOLIDS CAKE
2015 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Number	15010700297	15070700184	
	15010700298	15070700187	
Sample Date:	1/6/2015	7/7/2015	Dry Weight
Description	Result	Result	Unit of Measure
PYRENE	< 34.8	< 34.1	MG/KG
2,3,7,8-TCDD	< 6.8	< 6.5	NG/KG
2-CHLOROPHENOL	< 34.8	< 34.1	MG/KG
1,2,4-TRICHLOROBENZENE	< 34.8	< 34.1	MG/KG
2,4-DICHLOROPHENOL	< 34.8	< 34.1	MG/KG
4-CHLORO-3-METHYLPHENOL	< 34.8	< 34.1	MG/KG
2,4-DINITROPHENOL	< 69.7	< 68.2	MG/KG
2-NITROPHENOL	< 34.8	< 34.1	MG/KG
4-NITROPHENOL	< 69.7	< 68.2	MG/KG
PENTACHLOROPHENOL	< 69.7	< 68.2	MG/KG
PHENOL	< 34.8	< 34.1	MG/KG
2,4,6-TRICHLOROPHENOL	< 34.8	< 34.1	MG/KG
N-NITROSODIPHENYLAMINE	< 34.1	< 34.1	MG/KG
O-CRESOL	< 69.7	< 68.2	MG/KG
M+P CRESOL	< 69.7	< 68.2	MG/KG
MALATHION	< 1.500	< 1.500	MG/KG
OP'-DDE	< 0.025	< 0.025	MG/KG
OP'-DDD	0.120	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	MG/KG
METHOXYCLOR	< 0.250	< 0.025	MG/KG
2,4-D(ACID)	< 6.300	< 1.200	MG/KG
2,4,5-TP(SILVEX)	< 6.300	< 1.200	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	MG/KG
TOTAL DETECTED PESTICIDES	0.740	0.046	
MIREX	< 0.025	< 0.025	MG/KG
1,1-DICHLOROETHENE	< 0.087	< 0.010	MG/KG
BROMODICHLOROMETHANE	< 0.087	< 0.010	MG/KG
DIBROMOCHLOROMETHANE	< 0.087	< 0.010	MG/KG
BROMOFORM	< 0.087	< 0.010	MG/KG
O-DICHLOROBENZENE	< 0.087	< 0.010	MG/KG
M-DICHLOROBENZENE	< 0.087	< 0.010	MG/KG
P-DICHLOROBENZENE	< 0.087	< 0.010	MG/KG
1,1-DICHLOROETHANE	< 0.087	< 0.010	MG/KG
BENZENE	< 0.087	< 0.010	MG/KG
CHLOROMETHANE	< 0.087	< 0.010	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.087	< 0.010	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.087	< 0.010	MG/KG
FREON 12	< 0.087	< 0.010	MG/KG
FREON 11	< 0.087	< 0.010	MG/KG
BENZO(G.H.I.)PERYLENE	< 34.8	< 34.1	MG/KG
BENZO(K)FLUORANTHENE	< 34.8	< 34.1	MG/KG
4-BROMOPHENYL PHENYLETHER	< 34.8	< 34.1	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 34.8	< 34.1	MG/KG
2,6-DINITROTOLUENE	< 34.1	< 34.1	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 69.7	< 68.2	MG/KG
2-METHYL-4,6DINITROPHENOL	< 34.1	< 34.1	MG/KG
2,4-DIMETHYLPHENOL	< 34.8	< 34.1	MG/KG
PYRIDINE	< 34.8	< 34.1	MG/KG

ND = None Detected

Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December	Monthly Average			Method	ML	MDL	RDL
														Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L	ND												ND	ND	ND	EPA 624	1	0.07	0.50
1,1-Dichloroethene	ug/L	ND												ND	ND	ND	EPA 624	2	0.13	0.50
1,1,1-Trichloroethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.07	0.50
1,1,2-Trichloroethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND												ND	ND	ND	EPA 624	1	0.10	0.50
1,2-Dichlorobenzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.12	0.50
1,2-Dichloroethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.09	0.50
1,2-Dichloropropane	ug/L	ND												ND	ND	ND	EPA 624	1	0.09	0.50
1,2-Diphenylhydrazine	ug/L	ND												ND	ND	ND	EPA 625	1	1.3	10.0
1,2,4-Trichlorobenzene	ug/L	ND												ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.09	0.50
1,4-Dichlorobenzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.07	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L	ND												ND	ND	ND	EPA 624	1	0.16	0.50
2-Chloronaphthalene	ug/L	ND												ND	ND	ND	EPA 625	10	1.6	100
2-Chlorophenol	ug/L	ND												ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L	ND												ND	ND	ND	EPA 625	5	13.1	50.0
2-Nitrophenol	ug/L	ND												ND	ND	ND	EPA 625	10	2.0	100
2,4-Dichlorophenol	ug/L	ND												ND	ND	ND	EPA 625	5	1.5	50.0
2,4-Dimethylphenol	ug/L	ND												ND	ND	ND	EPA 625	2	1.1	20.0
2,4-Dinitrophenol	ug/L	ND												ND	ND	ND	EPA 625	5	17.3	50.0
2,4-Dinitrotoluene	ug/L	ND												ND	ND	ND	EPA 625	5	2.0	50.0
2,4,6-Trichlorophenol	ug/L	ND												ND	ND	ND	EPA 625	10	1.2	100
2,6-Dinitrotoluene	ug/L	ND												ND	ND	ND	EPA 625	5	2.2	50.0
3-Methyl-4-chlorophenol	ug/L	ND												ND	ND	ND	EPA 625	1	1.3	10.0
3,3'-Dichlorobenzidine	ug/L	ND												ND	ND	ND	EPA 625	5	11.6	50.0
4-Bromophenyl phenyl ether	ug/L	ND												ND	ND	ND	EPA 625	5	2.1	50.0
4-Chlorophenyl phenyl ether	ug/L	ND												ND	ND	ND	EPA 625	5	1.7	50.0
4-Nitrophenol	ug/L	ND												ND	ND	ND	EPA 625	10	13.7	100
4,4'-DDD	ug/L	ND												ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L	ND												ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L	ND												ND	ND	ND	EPA 625	1	1.5	10.0
Acenaphthylene	ug/L	ND												ND	ND	ND	EPA 625	10	1.4	100
Acrolein	ug/L	ND												ND	ND	ND	EPA 624		1.6	2.0
Acrylonitrile	ug/L	ND												ND	ND	ND	EPA 624		0.92	2.0
Aldrin	ug/L	ND												ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.0005	0.01
Aluminum	mg/L	0.442												0.442	0.442	0.442	EPA 200.8		0.00100	0.0100
Ammonia as nitrogen	mg/L	36.9			34.3			37.2			31.3			31.3	34.9	37.2	SM 4500 NH3 G		0.600 - 0.800	3.00 - 4.00
Anthracene	ug/L	ND												ND	ND	ND	EPA 625	10	1.8	100
Antimony	mg/L	0.00068												0.00068	0.00068	0.00068	EPA 200.8	0.0005	0.00013	0.00050
Aroclor 1016	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.03	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	0.1	0.3
Aroclor 1242	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1248	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.03	0.1
Aroclor 1254	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.02	0.05
Aroclor 1260	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.02	0.1
Arsenic	mg/L	0.00471												0.00471	0.00471	0.00471	EPA 200.8	0.002	0.00016	0.00100
Barium	mg/L	0.0629												0.0629	0.0629	0.0629	EPA 200.8		0.00006	0.00050
Benzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.10	0.50
Benzidine	ug/L	ND												ND	ND	ND	EPA 625	5	16.7	50.0
Benzo(a)anthracene	ug/L	ND												ND	ND	ND	EPA 625	5	1.9	50.0
Benzo(a)pyrene	ug/L	ND												ND	ND	ND	EPA 625	10	1.5	100
Benzo(b)fluoranthene	ug/L	ND												ND	ND	ND	EPA 625	10	1.3	100
Benzo(g,h,i)perylene	ug/L	ND												ND	ND	ND	EPA 625	5	1.9	50.0
Benzo(k)fluoranthene	ug/L	ND												ND	ND	ND	EPA 625	10	2.3	100
Beryllium	mg/L	ND												ND	ND	ND	EPA 200.8	0.0005	0.000040	0.00025
beta-BHC	ug/L	ND												ND	ND	ND	EPA 608	0.005	0.004	0.005
bis(2-Chloroethoxy) methane	ug/L	ND												ND	ND	ND	EPA 625	5	1.3	50.0
bis(2-Chloroethyl) ether	ug/L	ND												ND	ND	ND	EPA 625	1	1.9	10.0

Lancaster Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December	Monthly Average			Method	ML	MDL	RDL
														Minimum	Average	Maximum				
bis(2-Chloroisopropyl) ether	ug/L	ND												ND	ND	ND	EPA 625	2	1.6	20.0
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 13.2												DNQ Est. Conc. 13.2	ND	DNQ Est. Conc. 13.2	EPA 625	5	2.5	20.0
Bromodichloromethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.09	0.50
Bromoform	ug/L	ND												ND	ND	ND	EPA 624	2	0.13	0.50
Butyl benzyl phthalate	ug/L	ND												ND	ND	ND	EPA 625	10	1.6	100
Cadmium	mg/L	DNQ Est. Conc. 0.00015												DNQ Est. Conc. 0.00015	ND	DNQ Est. Conc. 0.00015	EPA 200.8	0.00025	0.000040	0.00020
Calcium	mg/L	60.6												60.6	60.6	60.6	EPA 200.8		0.20	0.40
Carbon tetrachloride	ug/L	ND												ND	ND	ND	EPA 624	2	0.11	0.50
Chemical oxygen demand (COD)	mg/L	633	1003	709	698	706	727	758	655	676	655	666	690	633	715	1003	SM 5220D (std)		8.5 - 21.3	25.0 - 62.5
Chloride	mg/L	95.0			91.1				101		94.6			91.1	95.4	101	EPA 300.0		0.160 - 0.320	4.00 - 8.00
Chlorobenzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.08	0.50
Chlorodibromomethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.08	0.50
Chloroethane	ug/L	ND												ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L	1.3												1.3	1.3	1.3	EPA 624	2	0.09	0.50
Chromium VI	mg/L	0.00021												0.00021	0.00021	0.00021	EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L	0.00564												0.00564	0.00564	0.00564	EPA 200.8	0.0005	0.00007	0.00050
Chrysene	ug/L	ND												ND	ND	ND	EPA 625	10	1.7	100
cis-1,3-Dichloropropene	ug/L	ND												ND	ND	ND	EPA 624		0.11	0.50
Cobalt	mg/L	DNQ Est. Conc. 0.00023												DNQ Est. Conc. 0.00023	ND	DNQ Est. Conc. 0.00023	EPA 200.8		0.00003	0.00025
Copper	mg/L	0.0415												0.0415	0.0415	0.0415	EPA 200.8	0.0005	0.00008	0.00050
delta-BHC	ug/L	ND												ND	ND	ND	EPA 608	0.005	0.001	0.005
Di-n-butyl phthalate	ug/L	ND												ND	ND	ND	EPA 625	10	1.6	100
Di-n-octyl phthalate	ug/L	ND												ND	ND	ND	EPA 625	10	1.6	100
Dibenzo(a,h)anthracene	ug/L	ND												ND	ND	ND	EPA 625	10	1.5	100
Dibromoacetic acid	ug/L	ND												ND	ND	ND	EPA 552.2		0.099	0.99
Dichloroacetic acid	ug/L	1.5												1.5	1.5	1.5	EPA 552.2		0.50	0.99
Dieldrin	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	3970												3970	3970	3970	SW8015 Diesel/Oil Organics			500
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.8												DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8	EPA 625	2	2.1	20.0
Dimethyl phthalate	ug/L	ND												ND	ND	ND	EPA 625	2	1.9	20.0
Endosulfan II	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L	ND												ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L	ND												ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L	ND												ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L	ND												ND	ND	ND	EPA 624	2	0.12	0.50
Fluoranthene	ug/L	ND												ND	ND	ND	EPA 625	1	1.9	10.0
Fluorene	ug/L	ND												ND	ND	ND	EPA 625	10	1.8	100
gamma-BHC (Lindane)	ug/L	ND												ND	ND	ND	EPA 608	0.02	0.001	0.01
Gasoline range organics	ug/L	ND												ND	ND	ND	SW8015 Gas-Range Organics		16	50
Haloacetic Acids (HAA5)	ug/L	3.7												3.7	3.7	3.7	HAA5 Calculation			
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	0.0009	0.01
Hexachlorobenzene	ug/L	ND												ND	ND	ND	EPA 625	1	1.8	10.0
Hexachlorobutadiene	ug/L	ND												ND	ND	ND	EPA 625	1	1.4	10.0
Hexachlorocyclopentadiene	ug/L	ND												ND	ND	ND	EPA 625	5	7.5	50.0
Hexachloroethane	ug/L	ND												ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L	ND												ND	ND	ND	EPA 625	10	1.4	100
Iron	mg/L	0.44												0.44	0.44	0.44	EPA 200.8		0.005	0.020
Isophorone	ug/L	ND												ND	ND	ND	EPA 625	1	1.3	10.0
Lead	mg/L	0.00110												0.00110	0.00110	0.00110	EPA 200.8	0.0005	0.00003	0.00025
m+p-Xylenes	ug/L	ND												ND	ND	ND	EPA 624		0.22	1.0
Magnesium	mg/L	7.6												7.6	7.6	7.6	EPA 200.8		0.002	0.020
Manganese	mg/L	0.0208												0.0208	0.0208	0.0208	EPA 200.8		0.00010	0.00100
Mercury	mg/L	0.00009												0.00009	0.00009	0.00009	EPA 245.1	0.0005	0.00001	0.00004
Methyl bromide (Bromomethane)	ug/L	ND												ND	ND	ND	EPA 624	2	0.34	0.50
Methyl chloride (Chloromethane)	ug/L	ND												ND	ND	ND	EPA 624	2	0.06	0.50
Methyl tert-butyl ether (MTBE)	ug/L	ND												ND	ND	ND	EPA 624		0.21	0.50
Methylene chloride	ug/L	ND												ND	ND	ND	EPA 624	2	0.20	0.50
Molybdenum	mg/L	0.00441												0.00441	0.00441	0.00441	EPA 200.8		0.00004	0.00025
Monobromoacetic acid	ug/L	ND												ND	ND	ND	EPA 552.2		0.40	0.99

Lancaster Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December	Monthly Average			Method	ML	MDL	RDL
														Minimum	Average	Maximum				
Monochloroacetic acid	ug/L	ND												ND	ND	ND	EPA 552.2		0.50	2.0
n-Nitrosodi-n-propylamine	ug/L	ND												ND	ND	ND	EPA 625	5	1.2	50.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.073												0.073	0.073	0.073	EPA 1625 (Modified)	5	0.0005	0.0020
n-Nitrosodiphenylamine	ug/L	ND												ND	ND	ND	EPA 625	1	1.5	10.0
Naphthalene	ug/L	ND												ND	ND	ND	EPA 625	1	1.8	10.0
Nickel	mg/L	0.00256												0.00256	0.00256	0.00256	EPA 200.8	0.001	0.00013	0.00100
Nitrate as nitrogen	mg/L	ND			ND			ND			ND			ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND			0.030			ND			ND			ND	0.0075	0.030	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L	ND												ND	ND	ND	EPA 625	1	2.2	10.0
o-Xylene	ug/L	ND												ND	ND	ND	EPA 624		0.10	0.50
Oil range organics	ug/L	2910												2910	2910	2910	SW8015 Diesel/Oil Organics			2500
Pentachlorophenol	ug/L	ND												ND	ND	ND	EPA 625	5	3.8	10.0
Phenanthrene	ug/L	ND												ND	ND	ND	EPA 625	5	1.9	50.0
Phenols	ug/L	95												95	95	95	EPA 420.1		5	15
Phenol	ug/L	29.0												29.0	29.0	29.0	EPA 625	1	1.4	10.0
pH	SU	7.7	7.7	7.6	7.9	7.7	7.5	7.6	7.5	7.5	7.6	7.7	7.6	7.5	7.6	7.9	SM 4500 H+ B		1.00	4.00
Potassium	mg/L	14.0												14.0	14.0	14.0	EPA 200.8		0.019	0.20
Pyrene	ug/L	ND												ND	ND	ND	EPA 625	10	1.9	100
Selenium	mg/L	0.00180												0.00180	0.00180	0.00180	EPA 200.8	0.002	0.00017	0.00100
Silver	mg/L	0.00056												0.00056	0.00056	0.00056	EPA 200.8	0.00025	0.00003	0.00020
Sodium	mg/L	91.9												91.9	91.9	91.9	EPA 200.8		0.42	4.0
Sulfate	mg/L	61.0												61.0	61.0	61.0	EPA 300.0		0.120	1.00
Surfactant (MBAS)	mg/L	8.27			7.81			10.6			7.87			7.81	8.64	10.6	SM 5540C		1.16	4.00
Technical Chlordane	ug/L	ND												ND	ND	ND	EPA 608	0.1	0.02	0.05
Tetrachloroethene	ug/L	ND												ND	ND	ND	EPA 624	2	0.16	0.50
Thallium	mg/L	ND												ND	ND	ND	EPA 200.8	0.001	0.000020	0.00025
Toluene	ug/L	0.92												0.92	0.92	0.92	EPA 624	2	0.06	0.50
Total BOD	mg/L	251	326	231	262	254	157	267	220	260	224	260	288	157	250	326	SM 5210B		0.6	85.7 - 120
Total Carbonaceous BOD5	mg/L	192	251	173	236	253	ND	215	202	246	171	213	236	ND	199	253	SM 5210B		0.6	86 - 120
Total cyanide	ug/L	DNQ Est. Conc. 1.5												DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	518												518	518	518	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	55.5			42.0			71.2			48.2			42.0	54.2	71.2	EPA 351.2		3.38	5.00
Total organic carbon	ug/L	38900			77800				50200		48900			38900	53950	77800	SM 5310C		490 - 2450	5000 - 25000
Total Petroleum Hydrocarbons	ug/L	6880												6880	6880	6880	SW-846 8015B			0.050
Total Suspended Solids	mg/L	320	436	348	309	461	349	312	358	329	301	394	293	293	351	461	SM 2540D		50.0 - 100	50.0 - 100
Total Trihalomethanes	ug/l	1.3												1.3	1.3	1.3	EPA 624			0.50
Toxaphene	ug/L	ND												ND	ND	ND	EPA 608	0.5	0.05	0.5
trans-1,2-Dichloroethene	ug/L	ND												ND	ND	ND	EPA 624	1	0.09	0.50
trans-1,3-Dichloropropene	ug/L	ND												ND	ND	ND	EPA 624		0.11	0.50
Trichloroacetic acid	ug/L	2.2												2.2	2.2	2.2	EPA 552.2		0.099	0.99
Trichloroethene	ug/L	ND												ND	ND	ND	EPA 624	2	0.13	0.50
Vanadium	mg/L	0.0110												0.0110	0.0110	0.0110	EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L	ND												ND	ND	ND	EPA 624	2	0.37	0.50
Zinc	mg/L	0.189												0.189	0.189	0.189	EPA 200.8	0.001	0.00022	0.00100

Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND							ND		
1,1-Dichloroethene	ug/L	ND							ND		
1,1,1-Trichloroethane	ug/L	ND							ND		
1,1,2-Trichloroethane	ug/L	ND							ND		
1,1,2,2-Tetrachloroethane	ug/L	ND							ND		
1,2-Dichlorobenzene	ug/L	ND							ND		
1,2-Dichloroethane	ug/L	ND							ND		
1,2-Dichloropropane	ug/L	ND							ND		
1,2-Diphenylhydrazine	ug/L	ND							ND		
1,2,4-Trichlorobenzene	ug/L	ND							ND		
1,3-Dichlorobenzene	ug/L	ND							ND		
1,4-Dichlorobenzene	ug/L	ND							ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND							ND		
2-Chloronaphthalene	ug/L	ND							ND		
2-Chlorophenol	ug/L	ND							ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND							ND		
2-Nitrophenol	ug/L	ND							ND		
2,3,7,8-TCDD	ug/L	ND							ND		
2,4-Dichlorophenol	ug/L	ND							ND		
2,4-Dimethylphenol	ug/L	ND							ND		
2,4-Dinitrophenol	ug/L	ND							ND		
2,4-Dinitrotoluene	ug/L	ND							ND		
2,4,6-Trichlorophenol	ug/L	ND							ND		
2,6-Dinitrotoluene	ug/L	ND							ND		
3-Methyl-4-chlorophenol	ug/L	ND							ND		
3,3'-Dichlorobenzidine	ug/L	ND							ND		
4-Bromophenyl phenyl ether	ug/L	ND							ND		
4-Chlorophenyl phenyl ether	ug/L	ND							ND		
4-Nitrophenol	ug/L	ND							ND		
4,4'-DDD	ug/L	ND							ND		
4,4'-DDE	ug/L	ND							ND		
4,4'-DDT	ug/L	ND							ND		
Acenaphthene	ug/L	ND							ND		
Acenaphthylene	ug/L	ND							ND		
Acrolein	ug/L	ND							ND		
Acrylonitrile	ug/L	ND							ND		
Aldrin	ug/L	ND							ND		
alpha-BHC	ug/L	ND							ND		
Aluminum	mg/L	0.0193							0.0131		
Ammonia as nitrogen	mg/L	1.28	1.60	1.92	1.93	2.44	2.68	1.19	1.34	3.40	0.985
Anthracene	ug/L	ND							ND		
Antimony	mg/L	0.00051							0.00052		
Aroclor 1016	ug/L	ND							ND		
Aroclor 1221	ug/L	ND							ND		
Aroclor 1232	ug/L	ND							ND		
Aroclor 1242	ug/L	ND							ND		
Aroclor 1248	ug/L	ND							ND		
Aroclor 1254	ug/L	ND							ND		
Aroclor 1260	ug/L	ND							ND		
Arsenic	mg/L	0.00161							0.00138		
Barium	mg/L	0.0165							0.0221		
Benzene	ug/L	ND							ND		
Benzidine	ug/L	ND							ND		
Benzo(a)anthracene	ug/L	ND							ND		
Benzo(a)pyrene	ug/L	ND							ND		
Benzo(b)fluoranthene	ug/L	ND							ND		
Benzo(g,h,i)perylene	ug/L	ND							ND		
Benzo(k)fluoranthene	ug/L	ND							ND		
Beryllium	mg/L	ND							ND		
beta-BHC	ug/L	ND							ND		
bis(2-Chloroethoxy) methane	ug/L	ND							ND		
bis(2-Chloroethyl) ether	ug/L	ND							ND		
bis(2-Chloroisopropyl) ether	ug/L	ND							ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND							ND		
Bromodichloromethane	ug/L	4.2			0.63				5.1		3.0
Bromoform	ug/L	ND			ND				ND		ND
Butyl benzyl phthalate	ug/L	ND							ND		
Cadmium	mg/L	ND							ND		
Calcium	mg/L	59.2			47.1				48.0		54.0
Carbon tetrachloride	ug/L	ND							ND		
Chemical oxygen demand (COD)	mg/L	ND	ND	40.2	ND	ND	ND	ND	ND	ND	ND

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.07 - 0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.09	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,7,8-TCDD	ug/L			ND	ND	ND			EPA 1613B		0.00000056 - 0.00000077	0.000011
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Aluminum	mg/L			0.0131	0.0162	0.0193			EPA 200.8		0.00088 - 0.00100	0.0100
Ammonia as nitrogen	mg/L	1.72	1.50	0.985	1.83	3.40		(1)	SM 4500 NH3 G		0.020 - 0.100	0.100 - 0.500
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	mg/L			0.00051	0.00052	0.00052			EPA 200.8	0.0005	0.00007 - 0.00013	0.00050
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	mg/L			0.00138	0.00150	0.00161			EPA 200.8	0.002	0.00015 - 0.00016	0.00100
Barium	mg/L			0.0165	0.0193	0.0221			EPA 200.8		0.000050 - 0.00006	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	mg/L			ND	ND	ND			EPA 200.8	0.0005	0.00004	0.00025
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Bromodichloromethane	ug/L			0.63	3.2	5.1			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.000030 - 0.000040	0.00020
Calcium	mg/L			47.1	52.1	59.2			EPA 200.8		0.005 - 0.20	0.020 - 0.40
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	3.35	40.2			SM 5220D (std)		8.5	25.0

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Chloride	mg/L	114			113				137		128
Chlorobenzene	ug/L	ND							ND		
Chlorodibromomethane	ug/L	0.74			ND				1.0		DNQ Est. Conc. 0.33
Chloroethane	ug/L	ND							ND		
Chloroform	ug/L	11.6			3.2				13.3		11.4
Chromium VI	mg/L	ND							0.00005		
Chromium, total	mg/L	0.00083							0.00072		
Chrysene	ug/L	ND							ND		
cis-1,3-Dichloropropene	ug/L	ND							ND		
Cobalt	mg/L	DNQ Est. Conc. 0.00016							ND		
Copper	mg/L	0.00139							0.00152		
delta-BHC	ug/L	ND							ND		
Di-n-butyl phthalate	ug/L	ND							ND		
Di-n-octyl phthalate	ug/L	ND							ND		
Dibenzo(a,h)anthracene	ug/L	ND							ND		
Dibromoacetic acid	ug/L	1.2			ND				ND		ND
Dichloroacetic acid	ug/L	14			10				14		18
Dieldrin	ug/L	ND							ND		
Diesel range organics	ug/L	108									
Diethyl phthalate	ug/L	ND							ND		
Dimethyl phthalate	ug/L	ND							ND		
Dissolved oxygen	mg/L	7.9	7.7	7.7	7.5	7.4	7.2	7.0	6.8	6.9	7.0
Endosulfan II	ug/L	ND							ND		
Endosulfan I	ug/L	ND							ND		
Endosulfan sulfate	ug/L	ND							ND		
Endrin aldehyde	ug/L	ND							ND		
Endrin	ug/L	ND							ND		
Ethylbenzene	ug/L	ND							ND		
Fluoranthene	ug/L	ND							ND		
Fluorene	ug/L	ND							ND		
gamma-BHC (Lindane)	ug/L	ND							ND		
Gasoline range organics	ug/L	ND									
Haloacetic Acids (HAA5)	ug/L	31			13				20		21
Heptachlor epoxide	ug/L	ND							ND		
Heptachlor	ug/L	ND							ND		
Hexachlorobenzene	ug/L	ND							ND		
Hexachlorobutadiene	ug/L	ND							ND		
Hexachlorocyclopentadiene	ug/L	ND							ND		
Hexachloroethane	ug/L	ND							ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND		
Iron	mg/L	0.08							0.063		
Isophorone	ug/L	ND							ND		
Lead	mg/L	DNQ Est. Conc. 0.00006							ND		
m+p-Xylenes	ug/L	ND							ND		
Magnesium	mg/L	7.0			8.7				9.0		9.5
Manganese	mg/L	0.0170							0.0106		
Mercury	mg/L	DNQ Est. Conc. 0.00001							ND		
Methyl bromide (Bromomethane)	ug/L	ND							ND		
Methyl chloride (Chloromethane)	ug/L	ND							ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND									
Methylene chloride	ug/L	ND							ND		
Molybdenum	mg/L	0.00378							0.00563		
Monobromoacetic acid	ug/L	3.0			ND				ND		ND
Monochloroacetic acid	ug/L	4.2			ND				ND		ND
n-Nitrosodi-n-propylamine	ug/L	ND							ND		
n-Nitrosodimethylamine (NDMA)	ug/L	2.0			2.5				2.7		2.5
n-Nitrosodiphenylamine	ug/L	ND							ND		
Naphthalene	ug/L	ND							ND		
Nickel	mg/L	0.00131							0.00136		
Nitrate as nitrogen	mg/L	9.06	7.37	9.10	7.63	6.25	7.48	9.37	7.81	7.28	7.93
Nitrite as nitrogen	mg/L	ND	0.046	0.057	0.067	0.078	0.082	0.034	0.035	0.091	0.030
Nitrobenzene	ug/L	ND							ND		
o-Xylene	ug/L	ND							ND		
Oil range organics	ug/L	ND									
Pentachlorophenol	ug/L	ND							ND		
Phenanthrene	ug/L	ND							ND		
Phenols	ug/L	ND									
Phenol	ug/L	ND							DNQ Est. Conc. 0.12		
pH	SU	7.5	7.5	7.3	7.4	7.4	7.3	7.4	7.4	7.3	7.4
Potassium	mg/L	13.3							14.9		
Pyrene	ug/L	ND							ND		

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Chloride	mg/L			113	123	137			EPA 300.0		0.160 - 0.600	4.00 - 8.00
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L			ND	0.44	1.0			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			3.2	9.9	13.3			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	mg/L			ND	0.00003	0.00005			EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00072	0.00078	0.00083			EPA 200.8	0.0005	0.00007 - 0.00011	0.00050
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
cis-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.07 - 0.11	0.50
Cobalt	mg/L			ND	ND	DNQ Est. Conc. 0.00016			EPA 200.8		0.00002 - 0.00003	0.00025
Copper	mg/L			0.00139	0.00146	0.00152			EPA 200.8	0.0005	0.00008 - 0.00016	0.00050
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L			ND	0.3	1.2			EPA 552.2		0.10 - 0.13	1.0
Dichloroacetic acid	ug/L			10	14	18			EPA 552.2		0.41 - 0.50	1.0
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L			108	108	108			SW8015 Diesel/Oil Organics		33	100
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.6	8.0	6.8	7.4	8.0	≥ 1.0		SM 4500 O G		0.1	1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.0009 - 0.001	0.01
Gasoline range organics	ug/L			ND	ND	ND			SW8015 Gas-Range Organics		16	50
Haloacetic Acids (HAA5)	ug/L			13	21	31			EPA 552.2		0.41 - 1.0	1.0
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	mg/L			0.063	0.07	0.08			EPA 200.8		0.003 - 0.005	0.02
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	mg/L			ND	ND	DNQ Est. Conc. 0.00006			EPA 200.8	0.0005	0.00003	0.00025
m+p-Xylenes	ug/L			ND	ND	ND			EPA 624		0.22 - 0.31	1.0
Magnesium	mg/L			7.0	8.6	9.5			EPA 200.8		0.001 - 0.040	0.020 - 0.40
Manganese	mg/L			0.0106	0.0138	0.0170			EPA 200.8		0.00010 - 0.00014	0.00100
Mercury	mg/L			ND	ND	DNQ Est. Conc. 0.00001			EPA 245.1	0.0005	0.00001	0.00004
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.21	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.20	0.50
Molybdenum	mg/L			0.00378	0.00471	0.00563			EPA 200.8		0.00002 - 0.00004	0.00025
Monobromoacetic acid	ug/L			ND	0.75	3.0			EPA 552.2		0.21 - 0.40	1.0
Monochloroacetic acid	ug/L			ND	1.1	4.2			EPA 552.2		0.32 - 0.50	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			2.0	2.4	2.7			EPA 1625 (Modified)	5	0.0005 - 0.0025	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	mg/L			0.00131	0.00134	0.00136			EPA 200.8	0.001	0.00012 - 0.00013	0.00100
Nitrate as nitrogen	mg/L	7.36	9.57	6.25	8.02	9.57			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.041	0.041	ND	0.050	0.091			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
o-Xylene	ug/L			ND	ND	ND			EPA 624		0.10 - 0.12	0.50
Oil range organics	ug/L			ND	ND	ND			SW8015 Diesel/Oil Organics		26	500
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenols	ug/L			ND	ND	ND			EPA 420.1		2	6
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.12			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.4	7.3	7.3	7.4	7.5	6.0 ≤ pH ≤ 9.0		SM 4500 H+ B		1.00	4.00
Potassium	mg/L			13.3	14.1	14.9			EPA 200.8		0.019 - 0.033	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Selenium	mg/L	DNQ Est. Conc. 0.00088							ND		
Silver	mg/L	ND							ND		
Sodium	mg/L	103			109				128		133
Sulfate	mg/L	70.6			69.3				78.1		81.9
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Technical Chlordane	ug/L	ND							ND		
Temperature	°C	18.5	18.9	22.0	22.8	23.1	25.2	26.2	26.5	26.0	24.1
Tetrachloroethene	ug/L	ND							ND		
Thallium	mg/L	ND							ND		
Toluene	ug/L	ND							ND		
Total BOD	mg/L	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	5	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L				ND				ND		
Total dissolved solids	mg/L	527			486			537			542
Total Kjeldahl Nitrogen (TKN)	mg/L	1.31	1.82	2.72	2.10	2.68	3.20	2.25	2.44	3.65	2.92
Total organic carbon	ug/L	4490			5380				5010		4950
Total Petroleum Hydrocarbons	ug/L	108									
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	16.5			3.8				19.4		14.4
Toxaphene	ug/L	ND							ND		
trans-1,2-Dichloroethene	ug/L	ND							ND		
trans-1,3-Dichloropropene	ug/L	ND							ND		
Trichloroacetic acid	ug/L	8.2			2.7				6.2		3.1
Trichloroethene	ug/L	ND							ND		
Vanadium	mg/L	0.00555							0.00695		
Vinyl chloride	ug/L	ND							ND		
Zinc	mg/L	0.0484							0.0454		

Lancaster Water Reclamation Plant
2015 Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Selenium	mg/L			ND	ND	DNQ Est. Conc. 0.00088			EPA 200.8	0.002	0.00010 - 0.00017	0.00100
Silver	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.00001 - 0.00003	0.00020
Sodium	mg/L			103	118	133			EPA 200.8		0.080 - 0.42	2.0 - 4.00
Sulfate	mg/L			69.3	75.0	81.9			EPA 300.0		0.120 - 0.360	1.00 - 2.00
Surfactant (MBAS)	mg/L			ND	ND	ND			SM 5540C		0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Temperature	°C	20.4	19.7	18.5	22.8	26.5			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
Thallium	mg/L			ND	ND	ND			EPA 200.8	0.001	0.000010 - 0.00002	0.00025
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Total BOD	mg/L	ND	ND	ND	0.5	6.3	30(2)	10	SM 5210B		0.6	3.0
Total Carbonaceous BOD5	mg/L	ND	ND	ND	0.4	5			SM 5210B		0.6	3
Total cyanide	ug/L			ND	ND	ND			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			486	523	542			SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	2.41	1.12	1.12	2.39	3.65			EPA 351.2		0.135 - 0.675	0.200 - 1.00
Total organic carbon	ug/L			4490	4958	5380			SM 5310C		50 - 240	500 - 2500
Total Petroleum Hydrocarbons	ug/L			108	108	108			SW-846 8015B			0.050
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND			SM 2540D		2.5	2.5
Total trihalomethanes	ug/L			3.8	13.5	19.4			EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.50
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.11 - 0.17	0.50
Trichloroacetic acid	ug/L			2.7	5.1	8.2			EPA 552.2		0.10 - 0.22	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Vanadium	mg/L			0.00555	0.00625	0.00695			EPA 200.8		0.00007 - 0.00014	0.00100
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	mg/L			0.0454	0.0469	0.0484			EPA 200.8	0.001	0.00022 - 0.00066	0.00100

(1) When discharging to Piute Ponds: Limit is a function of pH, per WQCB Order No. R6V-2002-053A1, Provision II.2.a.
(2) 7-day mean = 15 mg/L.

Lancaster WRP Biosolids Monitoring

WATER RECLAMATION
SOLID WASTE MANAGEMENT

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 14-14.01.00

Ms. Lauren Fondahl
U.S. EPA - Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Ms. Fondahl,

Annual Biosolids Monitoring Report
Lancaster Water Reclamation Plant, WDID No. 6B190107017

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that the Class B pathogen reduction requirements in 503.32(b)(3) and the vector attraction reduction requirements in 503.33(b)(1) have been met. These determinations have been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Should you have any questions or require additional information, please contact me at (562) 908-4288, extension 2824, or by email at mfischer@lacsd.org.

Very truly yours,

Melissa Fischer
Monitoring Supervising Engineer
Technical Services Department

MF:TC:MC:GS:nm
Enclosures

cc: Kouyoumdjian, Lahontan RWQCB

#3607465

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LANCASTER WATER RECLAMATION PLANT

2015 ANNUAL BIOSOLIDS MONITORING REPORT

GENERAL INFORMATION

Operator:	County Sanitation District No. 14 of Los Angeles County
Contact:	Melissa Fischer
Address:	1955 Workman Mill Road, P.O. Box 4998, Whittier, CA 90607
Telephone:	(562) 908-4288, extension 2824
Ownership Status:	Publicly Owned Treatment Works

FACILITY INFORMATION

Name:	Lancaster Water Reclamation Plant
Location:	1865 West Avenue D, Lancaster, CA 93534
Telephone:	(661) 942-5757
WDID Number:	6B190107017
Capacity/Influent Flow:	17.0 / 16.0 MGD

BIOSOLIDS INFORMATION

Treatment:	Primary sludge and thickened waste activated sludge are anaerobically digested at an average temperature of 98 degrees Fahrenheit and detention time of 47 days. Volatile solids destruction (VSD) averaged 71%. See Attachment A for individual digester performance and notes. Digested biosolids were dewatered to approximately 24.3% total solids via scroll centrifuges. Dewatered biosolids were further dried in concrete drying beds prior to being transported for reuse.
Quantity Generated:	Approximately 9,703 wet tons = 2,358 dry tons = 2,139 dry metric tons in 2015. There were no digester cleanings generated for the year.
Quantity Composted:	Approximately 9,703 wet tons were composted by Nursery Products, LLC.
Monitoring/Frequency:	Monthly average digester performance for Class B time/temperature criteria and VSD (using daily temperatures and weekly volatile solids percentages). Bi-Monthly composite samples for Table 1/Table 3 metals.
Sample Type:	Digested biosolids prior to dewatering.
Quality:	Class B pathogen reduction requirements of 503.32(b)(3) were met for the entire year via Process to Significantly Reduce Pathogens (PSRP) criteria (time/temperature) for anaerobic digestion.

Vector Attraction Reduction requirements were met per 503.33(b)(1) for the entire year. No samples exceeded Table 1 and Table 3 metals concentrations.

Results for the reporting period are shown on page 3. Data are presented in Attachment A.

LANCASTER WATER RECLAMATION PLANT

2015 DIGESTER PERFORMANCE			
Month	Temperature (degrees F)	Detention Time (days)	VSD (%)
Jan	97	52	70
Feb	97	47	75
Mar	97	50	70
Apr	97	45	68
May	98	42	74
Jun	98	42	77
Jul	99	45	72
Aug	99	42	73
Sept	99	43	64
Oct	99	47	63
Nov	98	49	71
Dec	98	56	73
Mean Min	98 97	47 42	71 64

Individual digester performance data and notes are presented in Attachment A.

2015 BIOSOLIDS - TABLE 1/TABLE 3 METALS CONCENTRATIONS											
mg/kg Dry Weight											
	Sample No.	Date	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
Jan	15010700246	1/6/2015	10.7	2.8	450	8.41	1.63	12.5	26.5	7.97	1,140
Mar	15030400136	3/3/2015	13.0	2.4	429	8.53	0.95	11.4	21.9	7.65	1,140
May	15050600161	5/5/2015	12.5	2.3	407	9.31	1.17	12.2	23.9	7.27	1,060
Jul	15070700397	7/7/2015	13.4	2.7	395	9.31	1.04	12.9	22.6	7.54	1,210
Sep	15090200152	9/1/2015	13.9	3.0	460	10.0	0.86	14.5	26.1	8.36	1,310
Nov	15110400194	11/3/2015	14.6	2.8	445	11.6	0.84	15.2	32.5	8.67	1,390
Mean			**13.0**	**2.7**	**431**	**9.53**	**1.08**	**13.1**	**25.6**	**7.91**	**1,210**
Max			**14.6**	**3.0**	**460**	**11.6**	**1.63**	**15.2**	**32.5**	**8.67**	**1,390**
TABLE 1 LIMITS			**75**	**85**	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS			**41**	**39**	**1,500**	**300**	**17**	**-**	**420**	**100**	**2,800**

Composting

Contract Company:	**Nursery Products, LLC.**
Contact:	Mr. Jeff Meberg
Address:	647 Camino de los Mares #108-174 San Clemente, CA 92673
Telephone:	(714) 287-7654
Site Location:	Nursery Products Hawes Composting Facility 14479 Cougar Road, Helendale, CA 92342
Site Contact:	Chris Seney
Telephone:	(760) 272-1224
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	Cal Recycle/LEA Solid Waste Facility Permit #36-AA-0445, August 31, 2007 Lahontan Regional Water Quality Control Board WDR Permit #R6V-2010-0010, March 10, 2010 San Bernardino County Conditional Use Permit - #P200500644CU1, December 3, 2009
Contract Commenced:	February 20, 2014
Operations Commenced:	June 1, 2012
Biosolids Quantity:	9,703 wet tons = 2,358 dry tons = 2,139 dry metric tons

ATTACHMENT A

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
LANCASTER WATER RECLAMATION PLANT

1. Metals
2. Nutrients
3. Digester Performance

2015 BIOSOLIDS ANALYSES
Lancaster Water Reclamation Plant
mg/kg Dry Weight (or as indicated)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
15010700246	1/6/2015	18.0	10.7	2.8	76.6	450	8.41	1.63	12.5	26.5	7.97	1,140
15030400136	3/3/2015	25.2	13.0	2.4	68.1	429	8.53	0.95	11.4	21.9	7.65	1,140
15050600161	5/5/2015	20.8	12.5	2.3	74.8	407	9.31	1.17	12.2	23.9	7.27	1,060
15070700397	7/7/2015	22.3	13.4	2.7	79.4	395	9.31	1.04	12.9	22.6	7.54	1,210
15090200152	9/1/2015	20.8*	13.9	3.0	84.5	460	10.0	0.86	14.5	26.1	8.36	1,310
15110400194	11/3/2015	38.8	14.6	2.8	88.5	445	11.6	0.84	15.2	32.5	8.67	1,390
MEAN		**24.3**	**13.0**	**2.7**	**78.7**	**431**	**9.53**	**1.08**	**13.1**	**25.6**	**7.91**	**1,210**
MAX			**14.6**	**3.0**	**88.5**	**460**	**11.6**	**1.63**	**15.2**	**32.5**	**8.67**	**1,390**
TABLE 1 LIMITS		\	**75**	**85**	\	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		\	**41**	**39**	\	**1,500**	**300**	**17**	\	**420**	**100**	**2,800**

Sample No.	Date	% TS	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K
15010700246	1/6/2015	18.0	7,080	60,300	41.9	16.3	82,000	1,700
15030400136	3/3/2015	25.2	6,110	52,400	27.9	8.49	104,000	1,550
15050600161	5/5/2015	20.8	5,600	55,100	< 9.60	3.76	105,000	1,510
15070700397	7/7/2015	22.3	7,280	56,100	29.4	6.62	91,200	1,600
15090200152	9/1/2015	20.8*	3,130	27,400	< 5.13	0.90	47,600	1,490
15110400194	11/3/2015	38.8	4,430	34,000	6.26	10.4	56,200	2,040
MEAN		**24.3**	**5,610**	**47,600**	**26.4**	**7.75**	**81,000**	**1,650**
MAX			**7,280**	**60,300**	**41.9**	**16.3**	**105,000**	**2,040**

\ = No Limit
- = No Sample
Statistics use detected values only.
* = Average of Centrifuge Cake weekly samples (Lab ID's: 15090200174, 15090900194, 15091600308, 15092300033, 15090200175)

LANCASTER WATER RECLAMATION PLANT

2015 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 4	58	96	70	Jul	Dig 4	50	99	72
	Dig 7	49	98	70		Dig 7	43	99	71
	Dig 8	49	98	69		Dig 8	43	99	72
	Avg	**52**	**97**	**70**		**Avg**	**45**	**99**	**72**
Feb	Dig 4	52	94	75	Aug	Dig 5	47	99	74
	Dig 7	44	98	75		Dig 7	40	99	70
	Dig 8	44	98	75		Dig 8	40	99	74
	Avg	**47**	**97**	**75** [a]		**Avg**	**42**	**99**	**73**
Mar	Dig 4	55	94	71	Sep	Dig 4	48	99	67
	Dig 7	46	98	69		Dig 7	41	99	61
	Dig 8	46	98	69		Dig 8	41	99	64
	Avg	**50**	**97**	**70**		**Avg**	**43**	**99**	**64**
Apr	Dig 4	49	95	69	Oct	Dig 4	52	99	65
	Dig 7	44	98	67		Dig 7	44	99	61
	Dig 8	41	98	67		Dig 8	44	99	63
	Avg	**45**	**97**	**68**		**Avg**	**47**	**99**	**64** [b]
May	Dig 4	46	98	74	Nov	Dig 4	55	98	72
	Dig 7	39	98	73		Dig 7	47	98	71
	Dig 8	39	98	73		Dig 8	46	99	70
	Avg	**42**	**98**	**74**		**Avg**	**49**	**98**	**71**
Jun	Dig 4	47	98	77	Dec	Dig 4	62	99	72
	Dig 7	40	98	77		Dig 7	53	98	74
	Dig 8	40	98	77		Dig 8	53	99	74
	Avg	**42**	**98**	**77**		**Avg**	**56**	**99**	**73**

Notes:

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

a = On February, 25, 2016, the required weekly samples for volatile solids could not be collected due to pump maintenance, and the February 2015 VSD result was calculated from the remaining weekly data.

b = On September 23, 2015 raw sludge volatile solids was lower than average, resulting in a weekly VSD value of 28%. While this reading was low, the required monthly average of 64% is in compliance.

Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND			ND			ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.82						0.68		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	12.5						6.87		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	DNQ Est. Conc. 0.013						ND		

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.47 - 0.70	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.14 - 0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L				0.68	0.75	0.82	EPA 200.8	0.5	0.05 - 0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.03 - 0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.1 - 0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.03 - 0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.05	0.1
Arsenic	ug/L				6.87	9.69	12.5	EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	1.5 - 1.9	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	2.2 - 2.3	100
Beryllium	ug/L				ND	ND	DNQ Est. Conc. 0.013	EPA 200.8	0.5	0.010 - 0.040	0.25

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 9.6						DNQ Est. Conc. 15.7		
BOD5 20°C	mg/L	365	360	406	363	370	402	307	332	335
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.45						DNQ Est. Conc. 0.17		
Bromoform	ug/L	DNQ Est. Conc. 0.31						ND		
Butyl benzyl phthalate	ug/L	DNQ Est. Conc. 5.5						DNQ Est. Conc. 12.9		
Cadmium	ug/L	0.23						DNQ Est. Conc. 0.11		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.57						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	3.8						4.2		
Chromium VI	ug/L	0.13						DNQ Est. Conc. 0.02		
Chromium, total	ug/L	3.50						1.61		
Chrysene	ug/L	ND						ND		
Copper	ug/L	37.9			37.6			33.6		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 5.6						DNQ Est. Conc. 6.2		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	0.92			0.79			0.72		
Mercury	ug/L	0.07						0.04		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	0.74						0.99		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	3.37						2.69		
Nitrobenzene	ug/L	ND						ND		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 15.7	EPA 625	5	1.7 - 2.5	20.0
BOD5 20°C	mg/L	295	293	325	293	346	406	SM 5210B		0.6	120 - 200
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.45	EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.31	EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L				DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 12.9	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L				DNQ Est. Conc. 0.11	0.12	0.23	EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.02 - 0.03	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				ND	0.29	0.57	EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.33	0.50
Chloroform	ug/L				3.8	4.0	4.2	EPA 624	2	0.18 - 0.19	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.02	0.07	0.13	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				1.61	2.56	3.50	EPA 200.8	0.5	0.04 - 0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.7	100
Copper	ug/L	32.9			32.9	35.5	37.9	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 1.5	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 6.2	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.19	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0009 - 0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L	0.70			0.70	0.78	0.92	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L				0.04	0.06	0.07	EPA 245.1	0.5	0.01	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19 - 0.36	0.50
Methylene chloride	ug/L				0.74	0.87	0.99	EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L				2.69	3.03	3.37	EPA 200.8	1	0.10 - 0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Phenol	ug/L	51.7						68.7		
pH	SU	7.2	7.3	7.3	7.1	7.3	7.3	7.2	7.3	7.2
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.40						DNQ Est. Conc. 0.80		
Silver	ug/L	0.37						DNQ Est. Conc. 0.08		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	2.3						1.7		
Total cyanide	mg/L	ND						ND		
Total suspended solids	mg/L	381	323	379	353	344	490	351	360	375
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	DNQ Est. Conc. 0.48						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	102			84.8			78.3		

Long Beach Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Phenol	ug/L				51.7	60.2	68.7	EPA 625	1	1.0 - 1.4	10.0
pH	SU	7.3	7.2	7.2	7.1	7.2	7.3	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L	DNQ Est. Conc. 0.81			DNQ Est. Conc. 0.80	0.47	1.40	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				DNQ Est. Conc. 0.08	0.2	0.37	EPA 200.8	0.25	0.01 - 0.03	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L				1.7	2.0	2.3	EPA 624	2	0.19	0.50
Total cyanide	mg/L				ND	ND	ND	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	362	240	253	240	351	490	SM 2540D		62.5 - 100	62.5 - 100
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.05	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	DNQ Est. Conc. 0.48	EPA 624	2	0.20 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	80.4			78.3	86.4	102	EPA 200.8	1	0.22 - 0.66	1.00

Long Beach WRP Effluent Monitoring

Long Beach Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND						DNQ Est. Conc. 1.2			
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						DNQ Est. Conc. 0.69			
1,2,3,4,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,4,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.29			
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.26			
1,2,3,7,8-PentaCDD	pg/L	ND						ND			
1,2,3,7,8-PentaCDF	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	1.4						1.1			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND			
2,3,4,7,8-PentaCDF	pg/L	ND						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,3,7,8-TetraCDF	pg/L	ND						DNQ Est. Conc. 0.31			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.17						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND	ND	ND	ND	ND	ND	ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	DNQ Est. Conc. 0.53						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	1.27	1.60	0.919	1.51	0.897	1.16	0.713	0.935	0.885	1.23
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.55			0.66			0.63			DNQ Est. Conc. 0.47
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	3.71			2.67			3.20			3.23
Barium	mg/L	0.0755			0.0970			0.0603			0.0517
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND	ND	ND	ND
Benzo(b)fluoranthene	ug/L	ND						ND	ND	ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND	ND	ND	ND
Beryllium	ug/L	ND			ND			ND			ND
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.17 - 0.89	51 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.69			EPA 1613B		0.28 - 0.36	51 - 54
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.30 - 0.63	51 - 54
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.29			EPA 1613B		0.18 - 0.57	51 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.36 - 0.56	51 - 54
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.30 - 0.57	51 - 54
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.26			EPA 1613B		0.16 - 0.48	51 - 54
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.36 - 0.82	51 - 54
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.25 - 0.45	51 - 54
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.26 - 0.51	51 - 54
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.16 - 0.56	51 - 54
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.16	0.50
1,4-Dioxane	ug/L			1.1	1.3	1.4			SW-846 8270MOD 1,4-Dioxane		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.15 - 0.42	51 - 54
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.28 - 0.44	51 - 54
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.19 - 0.52	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.31			EPA 1613B		0.14 - 0.35	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.17			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND	0.0012(1)	0.00059(1)	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	DNQ Est. Conc. 0.53			EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.14 - 0.20	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	2.48	1.75	0.713	1.28	2.48	4.2(1)/7.9(2)	1.8(1)/4.1(2)	SM 4500 NH3 G		0.020 - 0.040	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L			DNQ Est. Conc. 0.47	0.46	0.66			EPA 200.8	0.5	0.05 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.05	0.1
Arsenic	ug/L			2.67	3.20	3.71			EPA 200.8	2	0.14 - 0.16	1.00
Barium	mg/L			0.0517	0.0711	0.0970			EPA 200.8		0.00005 - 0.000076	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.010 - 0.040	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND			
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.35	0.34	0.31	0.31	0.29	0.30	0.31	0.30	0.33	0.32
Bromodichloromethane	ug/L	17.0						17.6			
Bromoform	ug/L	0.72						DNQ Est. Conc. 0.43			
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	123	129	134	146	129	122	123	124	123	124
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	6.7						5.1			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	26.1						31.2			
Chromium III	ug/L	ND			ND			ND			ND
Chromium VI	ug/L	DNQ Est. Conc. 0.02			0.071			DNQ Est. Conc. 0.03			0.10
Chromium, total (Reuse)	mg/L	DNQ Est. Conc. 0.00040			DNQ Est. Conc. 0.00032			DNQ Est. Conc. 0.00034			DNQ Est. Conc. 0.00033
Chromium, total	ug/L	DNQ Est. Conc. 0.00035			DNQ Est. Conc. 0.00035			DNQ Est. Conc. 0.00028			DNQ Est. Conc. 0.00035
Chrysene	ug/L	ND						ND	ND	ND	ND
Copper	ug/L	1.54	3.42	3.12	2.54	2.24	1.51	1.73	1.75	1.09	2.55
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	0.095			0.191			0.428			0.183
Dibenzo(a,h)anthracene	ug/L	ND						ND	ND	ND	ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	7.6	7.7	7.9	7.1	7.3	7.4	7.1	7.1	6.3	7.7
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.634			0.708			0.615			0.584
gamma-BHC (Lindane)	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	1.72			1.60			1.05			1.74
Gross beta radioactivity	pCi/L	6.51			3.36			10.3			5.03
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND	ND	ND	ND
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.09	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.05	DNQ Est. Conc. 0.07
Mercury	ug/L	0.00077			0.0013					0.00064	0.00083
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	DNQ Est. Conc. 0.10						DNQ Est. Conc. 0.20			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	0.16	0.12	0.25	0.19	0.19	0.37	0.33	0.40	0.22	0.16
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.16			1.37			1.31			1.13
Nitrate + nitrite as nitrogen	mg/L	6.15	6.80	6.52	7.27	7.32	7.31	6.83	7.65	6.97	6.50
Nitrate as nitrogen	mg/L	5.94	6.44	6.46	7.07	7.22	7.22	6.78	7.51	6.86	6.37
Nitrite as nitrogen	mg/L	0.214	0.360	0.059	0.200	0.099	0.090	0.054	0.138	0.107	0.128
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 3.2						DNQ Est. Conc. 7.3			
OctaCDF	pg/L	ND						DNQ Est. Conc. 2.9			
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	3.05	1.77	1.68	1.46	1.64	2.08	1.99	0.693	1.06	0.712
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.44						0.67			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.20						DNQ Est. Conc. 0.25			
pH	SU	7.4	7.4	7.4	7.4	7.5	7.4	7.6	7.6	7.5	7.6

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.34	0.30	0.29	0.32	0.35			EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L			17.0	17.3	17.6			EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.43	0.36	0.72			EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.070	0.00020
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	137	130	122	129	146			EPA 300.0		0.200 - 0.600	8.00
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L			5.1	5.9	6.7			EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.33	0.50
Chloroform	ug/L			26.1	28.7	31.2			EPA 624	2	0.18 - 0.19	0.50
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.02	0.04	0.10			EPA 218.6 (Dissolved)		0.0048 - 0.01	0.020 - 0.05
Chromium, total (Reuse)	mg/L			DNQ Est. Conc. 0.00032	ND	DNQ Est. Conc. 0.00040			EPA 200.8	0.0005	0.00004 - 0.00011	0.00050
Chromium, total	ug/L			DNQ Est. Conc. 0.00028	ND	DNQ Est. Conc. 0.00035			EPA 200.8	0.5	0.00004 - 0.00011	0.00050
Chrysene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.005	0.020
Copper	ug/L	2.52	2.52	1.09	2.21	3.42	20(3)/26(1)(4)/27(2)(4)	18(1)(2)	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			0.095	0.22	0.428			EPA 908.0		0.300	0.300
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.004	0.020
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.8	7.6	6.3	7.4	7.9			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 & SM 9223 Quanti-Tray		1.1	1.0 - 1.1
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L			0.584	0.635	0.708			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L			1.05	1.53	1.74			EPA 900.0		2.27 - 3.05	2.27 - 3.05
Gross beta radioactivity	pCi/L			3.36	6.30	10.3			EPA 900.0		2.26	2.26
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.004	0.020
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.05	ND	DNQ Est. Conc. 0.19			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L			0.00064	0.00089	0.0013			EPA 1631	0.5	0.00011 - 0.00016	0.00020 - 0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.19 - 0.36	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.06 - 0.12	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.10	ND	DNQ Est. Conc. 0.20			EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.60	0.31	0.12	0.28	0.60			EPA 1625 (Modified)	5	0.0003 - 0.0005	0.0020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L			1.13	1.24	1.37			EPA 200.8	1	0.10 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	7.45	6.64	6.15	6.95	7.65		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	7.22	6.41	5.94	6.79	7.51			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.226	0.228	0.054	0.16	0.360		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 7.3			EPA 1613B		0.20 - 0.91	100 - 110
OctaCDF	pg/L			ND	ND	DNQ Est. Conc. 2.9			EPA 1613B		0.24 - 0.86	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	15	10	EPA 1664A		0.80 - 0.9	1.0 - 4.7
Organic nitrogen	mg/L	2.16	2.41	0.693	1.73	3.05			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L			0.44	0.56	0.67			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L			DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.25			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.8	7.8	7.4	7.5	7.8			SM 4500 H+ B		1.00	4.00

Long Beach Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND			
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.63			DNQ Est. Conc. 0.63			DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.22
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			DNQ Est. Conc. 0.01			ND
Strontium-90	pCi/L	0.731			ND			ND			0.376
Sulfate	mg/L	156	160	69.0	174	126	101	104	91.6	103	95.3
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature	Degrees F	73.9	75.1	75.4	76.3	76.9	78.9	81.4	83.1	85.0	83.9
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			ND			ND
Toluene	ug/L	ND						ND			
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND			ND
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND			ND			ND			ND
Total dissolved solids	mg/L	706	690	700	774	705	610	582	620	612	610
Total hardness (CaCO3)	mg/L	231	221	237	261	186	210	175	169	179	173
Total Kjeldahl Nitrogen (TKN)	mg/L	4.32	3.68	2.60	3.40	2.54	3.24	2.70	1.63	1.94	1.94
Total nitrogen	mg/L	10.5	10.5	9.12	10.7	9.86	10.6	9.53	9.80	8.91	8.44
Total phosphorus	mg/L								0.178	0.222	0.486
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	50.5						53.9			
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	ND			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.73	0.69	0.69	0.66	0.63	0.61	0.66	0.67	0.61	0.63
Uranium	pCi/L	0.095			0.191			0.428			0.183
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	35.2	78.9	41.1	41.8	41.8	30.6	42.6	33.9	29.8	33.6

(1) NPDES Permit Order No. R4-2007-0047 in effect until July 31, 2015
(2) NPDES Permit Order No. R4-2015-0123, starting from August 1, 2015
(3) Dry weather limits apply when maximum daily flow in Coyote Creek is less than 156 cfs as measured at LADPW flow gauge station F354-R (RSW-007).
(4) Wet weather limits apply when the maximum daily flow in Coyote Creek is equal to or greater than 156 cfs as measured at LADPW flow gauge station F354-R (RSW-007).
(5) Number of coliforms may not exceed 23/100 mL in more than one sample during any 30-day period.

Long Beach Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L			ND	ND	ND			EPA 608			
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.21	ND	DNQ Est. Conc. 0.63	7.5(2)	4.3(2)	EPA 200.8	2	0.04 - 0.17	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	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.03	0.2
Strontium-90	pCi/L			ND	0.277	0.731			EPA 905.0		0.682	0.682
Sulfate	mg/L	149	100	69.0	119	174			EPA 300.0		0.240 - 0.440	2.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND			SM 5540C		0.03	0.10
Temperature	Degrees F	79.1	75.8	73.9	78.7	85.0	86		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(5)		SM 9222B		1	1
Total cyanide	ug/L			ND	ND	ND			SM 4500 CN E	0.005	0.000001	0.000005
Total dissolved solids	mg/L	708	649	582	664	774			SM 2540C		5.4 - 6.7	50.0 - 62.5
Total hardness (CaCO3)	mg/L	206	185	169	203	261			EPA 200.8 & SM 2340C		0.01 - 0.70	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	4.64	4.16	1.63	3.07	4.64			EPA 351.2		0.270 - 0.338	0.400 - 0.500
Total nitrogen	mg/L	12.1	10.8	8.44	10.1	12.1			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.479	0.309	0.178	0.335	0.486			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L			50.5	52.2	53.9			EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16 - 0.25	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.28	0.50
Tritium	pCi/L			ND	ND	ND			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.64	0.66	0.61	0.66	0.73	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0.095	0.22	0.428			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	48.5	57.4	29.8	42.9	78.9			EPA 200.8	1	0.22 - 0.66	1.00

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Los Coyotes WRP Influent Monitoring

Los Coyotes Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.98						2.41		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	3.01						2.26		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 16.1						DNQ Est. Conc. 10.2		
BOD5 20°C	mg/L	288	267	263	293	282	283	274	258	275
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.13						ND		
Bromoform	ug/L	DNQ Est. Conc. 0.17						ND		

Los Coyotes Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.70 - 3.4	11 - 12
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.14 - 0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L				2.41	2.70	2.98	EPA 200.8	0.5	0.05 - 0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L				2.26	2.64	3.01	EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	1.5 - 1.9	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	2.2 - 2.3	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.010 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 10.2	ND	DNQ Est. Conc. 16.1	EPA 625	5	1.7 - 2.5	20.0
BOD5 20°C	mg/L	260	281	275	258	275	293	SM 5210B		0.6	100 - 120
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.13	EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.17	EPA 624	2	0.10 - 0.17	0.50

Los Coyotes Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	0.26						DNQ Est. Conc. 0.14		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.16						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	6.4						4.2		
Chromium VI	ug/L	0.06						DNQ Est. Conc. 0.02		
Chromium, total	ug/L	6.39						3.77		
Chrysene	ug/L	ND						ND		
Copper	ug/L	80			60			50		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.8						DNQ Est. Conc. 5.2		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	2.58						0.83		
Mercury	ug/L	0.06						DNQ Est. Conc. 0.03		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	0.63						0.58		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	8.36						6.62		
Nitrobenzene	ug/L	ND						ND		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	35.3						47.1		
pH	SU	7.3	7.5	7.0	7.1	7.4	7.5	7.7	7.4	7.3
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.50						DNQ Est. Conc. 0.92		
Silver	ug/L	0.80						0.28		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	7.0						1.7		
Total cyanide	mg/L	DNQ Est. Conc. 0.0013			DNQ Est. Conc. 0.0017			DNQ Est. Conc. 0.0016		
Total suspended solids	mg/L	302	331	278	304	273	268	257	287	318
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	130						77.6		

Los Coyotes Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L				DNQ Est. Conc. 0.14	0.13	0.26	EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.16	EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22 - 0.33	0.50
Chloroform	ug/L				4.2	5.3	6.4	EPA 624	2	0.18 - 0.19	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.02	0.03	0.06	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.77	5.08	6.39	EPA 200.8	0.5	0.04 - 0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.7	100
Copper	ug/L	50			50	60	80	EPA 200.8	0.5	0	0
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 1.5	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 5.2	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.19	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L				0.83	1.7	2.58	EPA 200.8	0.5	0.03	0.25
Mercury	ug/L				DNQ Est. Conc. 0.03	0.03	0.06	EPA 245.1	0.5	0.01	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19 - 0.36	0.50
Methylene chloride	ug/L				0.58	0.61	0.63	EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L				6.62	7.49	8.36	EPA 200.8	1	0.10 - 0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0
Phenol	ug/L				35.3	41.2	47.1	EPA 625	1	1.0 - 1.4	10.0
pH	SU	7.4	7.5	7.5	7.0	7.0	7.7	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L				DNQ Est. Conc. 0.92	0.75	1.50	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.28	0.54	0.80	EPA 200.8	0.25	0.01 - 0.03	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L				1.7	4.4	7.0	EPA 624	2	0.19	0.50
Total cyanide	mg/L				DNQ Est. Conc. 0.0013	ND	DNQ Est. Conc. 0.0017	SM 4500 CN E	0.005	0.0010	0.0050
Total suspended solids	mg/L	309	369	271	257	297	369	SM 2540D		50.0 - 83.3	50.0 - 83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L				77.6	104	130	EPA 200.8	1	0.44 - 0.66	1.00

Los Coyotes WRP Effluent Monitoring

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND						DNQ Est. Conc. 2.1		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						DNQ Est. Conc. 1.2		
1,2,3,4,7,8-HexaCDD	pg/L	ND						DNQ Est. Conc. 0.82		
1,2,3,4,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.93		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						DNQ Est. Conc. 0.88		
1,2,3,6,7,8-HexaCDD	pg/L	ND						DNQ Est. Conc. 0.64		
1,2,3,6,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.99		
1,2,3,7,8-PentaCDD	pg/L	ND						ND		
1,2,3,7,8-PentaCDF	pg/L	ND						DNQ Est. Conc. 0.90		
1,2,3,7,8,9-HexaCDD	pg/L	ND						DNQ Est. Conc. 1.1		
1,2,3,7,8,9-HexaCDF	pg/L	ND						DNQ Est. Conc. 1.0		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	1.8						4.0		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.79		
2,3,4,7,8-PentaCDF	pg/L	ND						DNQ Est. Conc. 0.71		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	ND						DNQ Est. Conc. 0.80		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						2.0		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.27						DNQ Est. Conc. 0.36		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.61	1.86	1.72	1.32	1.15	0.936	1.31	0.923	0.914
Anthracene	ug/L	ND						ND		
Antimony	ug/L	2.12			1.95			2.22		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.24 - 0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.27	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.07 - 0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.12 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.16 - 0.62	51
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.26 - 0.40	51
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.82			EPA 1613B		0.24 - 0.55	51
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.93			EPA 1613B		0.17 - 0.60	51
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.88			EPA 1613B		0.35 - 0.61	51
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.64			EPA 1613B		0.23 - 0.49	51
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.99			EPA 1613B		0.16 - 0.51	51
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.33 - 0.84	51
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.90			EPA 1613B		0.27 - 0.48	51
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.21 - 0.44	51
1,2,3,7,8,9-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.17 - 0.59	51
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.16	0.50
1,4-Dioxane	ug/L				1.8	2.9	4.0			SW846/8270MOD		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.10 - 0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.79			EPA 1613B		0.15 - 0.45	51
2,3,4,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.71			EPA 1613B		0.29 - 0.49	51
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.25 - 0.50	10
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 0.80			EPA 1613B		0.15 - 0.34	10
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L				ND	1.0	2.0			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L				DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.36			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.47 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.14 - 0.20	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	0.940	0.993	1.07	0.914	1.23	1.86	4.9(1)/10.5(2)	2.1(1)/5.5(2)	SM 4500 NH3 G		0.020 - 0.040	0.100 - 0.200
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L	1.78			1.78	2.02	2.22			EPA 200.8	0.5	0.05 - 0.13	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.05	0.1

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Arsenic	ug/L	DNQ Est. Conc. 0.79			DNQ Est. Conc. 0.92			DNQ Est. Conc. 0.99		
Barium	ug/L	56.2			57.1			48.4		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND	ND	ND
Benzo(b)fluoranthene	ug/L	ND						ND	ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND	ND	ND
Beryllium	ug/L	ND			ND			ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND		
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.43	0.42	0.39	0.37	0.36	0.40	0.39	0.40	0.39
Bromodichloromethane	ug/L	6.1						10.0		
Bromoform	ug/L	DNQ Est. Conc. 0.25						DNQ Est. Conc. 0.31		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			ND			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	171	172	174	174	173	181	176	215	185
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	1.6						2.7		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	12.6						18.5		
Chromium III	ug/L	1.14			0.62			0.61		
Chromium VI	ug/L	DNQ Est. Conc. 0.02			0.035			DNQ Est. Conc. 0.03		
Chromium, total	ug/L	1.04			0.62			0.97		
Chromium, total (24-hr composite)	ug/L	1.14			0.66			0.61		
Chrysene	ug/L	ND						ND	ND	ND
Copper	ug/L	1.60	1.76	2.09	1.53	1.36	4.43	1.70	2.28	1.34
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND	ND	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.8	7.6	7.8	7.4	7.3	7.3	5.2	7.0	7.6
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Fluoride	mg/L	0.504	0.490	0.485	0.462	0.482	0.429	0.516		
gamma-BHC (Lindane)	ug/L	ND						ND		
Gross alpha radioactivity	pCi/L	2.61			1.91			ND		
Gross beta radioactivity	pCi/L	6.50			4.52			11.3		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND	ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.17			DNQ Est. Conc. 0.15			DNQ Est. Conc. 0.12		
Mercury	ug/L	0.0017			0.0015					0.0010

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Arsenic	ug/L	1.17			DNQ Est. Conc. 0.79	0.29	1.17			EPA 200.8	2	0.15 - 0.16	1.00
Barium	ug/L	57.6			48.4	54.8	57.6			EPA 200.8		0.050 - 0.076	0.50
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15 - 0.18	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND	0.098(2)	0.049(2)	EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	0.098(2)	0.049(2)	EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.010 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	1.2 - 3.0
Boron	mg/L	0.41	0.35	0.37	0.35	0.40	0.43			EPA 200.8		0.002 - 0.006	0.020
Bromodichloromethane	ug/L				6.1	8.1	10.0			EPA 624	2	0.11 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.25	ND	DNQ Est. Conc. 0.31			EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.21 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	191	187	173	171	181	215			EPA 300.0		0.320 - 0.600	8.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.14	0.50
Chlorodibromomethane	ug/L				1.6	2.2	2.7			EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.33	0.50
Chloroform	ug/L				12.6	15.6	18.5			EPA 624	2	0.18 - 0.19	0.50
Chromium III	ug/L	0.52			0.52	0.72	1.14			EPA 200.8			0.50
Chromium VI	ug/L	DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.02	0.009	0.035			EPA218.6 (Dissolved)		0.0048 - 0.01	0.020 - 0.05
Chromium, total	ug/L	DNQ Est. Conc. 0.48			DNQ Est. Conc. 0.48	0.66	1.04			EPA 200.8	0.5	0.04 - 0.11	0.50
Chromium, total (24-hr composite)	ug/L	0.52			0.52	0.73	1.14			EPA 200.8	0.5	0.04 - 0.11	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.005	0.020
Copper	ug/L	1.70	1.93	1.74	1.34	1.96	4.43	28(3)/32(2)	15(1)/12(2)	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND			EPA 610	10	0.004	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.3	7.2	7.5	5.2	7.3	7.8			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM9223/SM9223Quant		1.1	1.0 - 1.1
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L	0.443			0.429	0.476	0.516			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L	0.355			ND	1.22	2.61			EPA 900.0		2.46 - 3.76	2.46 - 3.76
Gross beta radioactivity	pCi/L	1.77			1.77	6.02	11.3			EPA 900.0		2.26	2.26
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098(2)	0.049(2)	EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.06	ND	DNQ Est. Conc. 0.17			EPA 200.8	0.5	0.03	0.25
Mercury	ug/L	0.00077			0.00077	0.0012	0.0017			EPA 1631	0.5	0.00011 - 0.00016	0.00020 - 0.00050

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						DNQ Est. Conc. 0.22		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	DNQ Est. Conc. 0.16						0.82		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	3.41			3.98			3.56		
Nitrate + nitrite as nitrogen	mg/L	5.53	6.99	5.73	8.03	6.47	4.72	7.76	5.87	5.44
Nitrate as nitrogen	mg/L	5.42	6.90	5.63	7.98	6.42	4.67	7.71	5.84	5.40
Nitrite as nitrogen	mg/L	0.108	0.092	0.100	0.053	0.046	0.048	0.045	ND	0.035
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 4.5						DNQ Est. Conc. 10		
OctaCDF	pg/L	ND						DNQ Est. Conc. 5.2		
Oil and grease	mg/L	ND	ND	1.1	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.90	0.520	0.780	0.292	0.356	1.02	1.33	0.919	0.820
Orthophosphate-P	mg/L	0.092	0.098	0.094	0.072	0.084	0.072	0.362	0.147	0.145
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.31						0.52		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	DNQ Est. Conc. 0.22						DNQ Est. Conc. 0.29		
pH	SU	7.3	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.4
Polychlorinated biphenyls (PCBs)	ug/L	ND						ND		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.49			DNQ Est. Conc. 0.31			DNQ Est. Conc. 0.47		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			DNQ Est. Conc. 0.01		
Strontium-90	pCi/L	ND			ND			ND		
Sulfate	mg/L	180	165	168	166	197	216	190	212	216
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	0.10	ND
Temperature	Degrees F	74.8	75.7	77.5	79.3	79.5	81.4	83.4	85.2	85.7
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	ND						DNQ Est. Conc. 0.39		
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND	DNQ Est. Conc. 2.02	DNQ Est. Conc. 2.80	DNQ Est. Conc. 2.14	ND	ND	DNQ Est. Conc. 2.04		
Total dissolved solids	mg/L	823	784	771	800	884	866	788	966	897
Total hardness (CaCO3)	mg/L	260	266	281	276	266	273	269	264	269
Total Kjeldahl Nitrogen (TKN)	mg/L	4.04	2.70	2.50	1.61	1.51	1.96	2.64	1.84	1.73
Total nitrogen	mg/L	9.57	9.69	8.23	9.64	7.98	6.68	10.7	7.71	7.17
Total phosphorus	mg/L	0.156	0.125	0.140	0.111	0.120	0.133	0.460	0.224	0.217
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	20.3						31.2		
Toxaphene	ug/L	ND						ND		
Toxic equivalence	pg/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	ND			ND			186		
Turbidity (flow proportioned avg daily value)	NTU	0.70	0.65	0.67	0.64	0.65	0.78	0.85	0.80	0.72
Uranium	pCi/L	0.567			0.191			0.749		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	41.0			29.7			37.6		

Los Coyotes Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.33 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.22			EPA 624	2	0.19 - 0.36	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.06 - 0.12	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.16	0.41	0.82			EPA 624	2	0.09 - 0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND			EPA1625(Mod)/EPA625	5	0.0005 - 0.32	0.0020 - 5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L	2.70			2.70	3.41	3.98			EPA 200.8	1	0.10 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	6.92	5.37	6.93	4.72	6.31	8.03		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.90	5.32	6.89	4.67	6.26	7.98			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	0.052	0.042	ND	0.052	0.108		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L				DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 10			EPA 1613B		0.18 - 0.70	100
OctaCDF	pg/L				ND	ND	DNQ Est. Conc. 5.2			EPA 1613B		0.18 - 0.81	100
Oil and grease	mg/L	ND	ND	ND	ND	0.092	1.1	15	10	EPA 1664A		0.8 - 0.9	1.0 - 5.0
Organic nitrogen	mg/L	0.480	1.29	0.778	0.292	0.874	1.90			EPA351.2/SM4500NH3G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.127	0.159	0.117	0.072	0.13	0.362			EPA 365.1		0.001	0.030
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L				0.31	0.42	0.52			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L				DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.29			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.4	7.3	7.4	7.3	7.3	7.4			SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L				ND	ND	ND						
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.35			DNQ Est. Conc. 0.31	ND	DNQ Est. Conc. 0.49			EPA 200.8	2	0.04 - 0.17	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND			ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.03	0.20
Strontium-90	pCi/L	0.501			ND	0.125	0.501			EPA 905.0		0.682	0.682
Sulfate	mg/L	196	208	181	165	191	216			EPA 300.0		0.240 - 0.450	2.00 - 2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.0083	0.10			SM 5540C		0.03	0.10
Temperature	Degrees F	85.0	80.4	76.0	74.8	80.3	85.7	86(4)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.40	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L				ND	ND	DNQ Est. Conc. 0.39			EPA 624	2	0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	23(5)		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 3.29			ND	ND	DNQ Est. Conc. 3.29	7.0(1)	4.7(1)	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	880	871	829	771	847	966			SM 2540C		6.7 - 7.7	62.5 - 71.4
Total hardness (CaCO3)	mg/L	258	264	255	255	267	281			EPA 200.8/SM 2340C		0.01 - 0.70	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.42	2.28	1.85	1.42	2.17	4.04			EPA 351.2		0.270	0.400
Total nitrogen	mg/L	8.34	7.65	8.78	6.68	8.51	10.7			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.166	0.232	0.150	0.111	0.186	0.460			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L				20.3	25.8	31.2			EPA 624			0.5
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.50
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16 - 0.25	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.28	0.50
Tritium	pCi/L	ND			ND	46.5	186			EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.67	0.59	0.59	0.70	0.85	2		SM 2130B		0.12	0.12
Uranium	pCi/L	0.000			0.000	0.502	0.749			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L	26.1			26.1	33.6	41.0			EPA 200.8	1	0.22 - 0.66	1.00

(1) Permit limit in Order No. R4-2007-0048 in effect until July 31, 2015.

(2) Permit limit in Order No. R4-2015-0124 in effect starting August 1, 2015.

(3) Dry-weather effluent limit for this parameter will apply when the maximum daily flow in the San Gabriel River is less than 260 cfs as measured at USGS flow gauging station 11087020, located at Reach 3 above the Whittier Narrows Dam. This limit was in effect until July 31, 2015.

(4) The temperature of wastes discharged shall not exceed 86 OF except as a result of external ambient temperature.

(5) The number of total coliform bacteria may not exceed 23/100 mL in one sample within any 30 day period.

Palmdale WRP Influent Monitoring

Palmdale Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L								ND	
1,1-Dichloroethene	ug/L								ND	
1,1,1-Trichloroethane	ug/L								ND	
1,1,2-Trichloroethane	ug/L								ND	
1,1,2,2-Tetrachloroethane	ug/L								ND	
1,2-Dichlorobenzene	ug/L								ND	
1,2-Dichloroethane	ug/L								ND	
1,2-Dichloropropane	ug/L								ND	
1,2-Diphenylhydrazine	ug/L								ND	
1,2,4-Trichlorobenzene	ug/L								ND	
1,3-Dichlorobenzene	ug/L								ND	
1,3-Dichloropropene (Total)	ug/L								ND	
1,4-Dichlorobenzene	ug/L								ND	
2-Chloroethyl vinyl ether (mixed)	ug/L								ND	
2-Chloronaphthalene	ug/L								ND	
2-Chlorophenol	ug/L								ND	
2-Methyl-4,6-dinitrophenol	ug/L								ND	
2-Nitrophenol	ug/L								ND	
2,4-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	
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	
4,4-DDE	ug/L								ND	
4,4'-DDT	ug/L								ND	
Acenaphthene	ug/L								ND	
Acenaphthylene	ug/L								ND	
Acrolein	ug/L								ND	
Acrylonitrile	ug/L								ND	
Aldrin	ug/L								ND	
alpha-Endosulfan	ug/L								ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L								ND	
Ammonia as nitrogen	mg/L	42.6	32.6	34.0	39.2	40.0	43.6	41.7	42.3	39.6
Anthracene	ug/L								ND	
Antimony	ug/L								ND	
Arsenic	ug/L								ND	
Benzene	ug/L								ND	
Benzidine	ug/L								ND	
Benzo(a)anthracene	ug/L								ND	
Benzo(a)pyrene	ug/L								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	
beta-Endosulfan	ug/L								ND	
beta-Hexachlorocyclohexane	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	
Bromodichloromethane	ug/L				ND				ND	
Bromoform	ug/L				1.6				0.76	
Butyl benzyl phthalate	ug/L								ND	
Cadmium	ug/L								ND	
Carbon tetrachloride	ug/L								ND	
Chlordane	ug/L								ND	
Chlorobenzene	ug/L								ND	
Chlorodibromomethane	ug/L				1.2				0.52	
Chloroethane	ug/L								ND	

Palmdale Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	2.0	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	1.2	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	35.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.8	100
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.1	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	3.6	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	20.1	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	2.2	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	1.7	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	2.2	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	6.6	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	2.8	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	3.3	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	13.3	100
4,4-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	3.8	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009	0.005
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ammonia as nitrogen	mg/L	41.6	39.0	B	32.6	39.7	43.6	SM 4500 NH3 G		0.600 - 1.00	3.00 - 5.00
Anthracene	ug/L				ND	ND	ND	EPA 625	10	1.6	100
Antimony	ug/L				ND	ND	ND	EPA 200.8	0.5	0.07	0.50
Arsenic	ug/L				ND	ND	ND	EPA 200.8	2	0.15	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	15.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	1.2	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	1.9	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	1.4	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	1.3	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	2.2	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.040	0.25
beta-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	5.0	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	1.3	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625	5	1.7	20.0
Bromodichloromethane	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
Bromoform	ug/L				0.76	1.2	1.6	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0	100
Cadmium	ug/L				ND	ND	ND	EPA 200.8	0.25	0.030	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01	0.05
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				0.52	0.86	1.2	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50

Palmdale Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Chloroform	ug/L				1.1				0.91	
Chromium VI	ug/L	0.12							0.22	
Chromium, total	ug/L								2.37	
Chrysene	ug/L								ND	
Copper	ug/L								41.8	
delta-Hexachlorocyclohexane	ug/L								ND	
Di-n-butyl phthalate	ug/L								ND	
Di-n-octyl phthalate	ug/L								ND	
Dibenzo(a,h)anthracene	ug/L								ND	
Dieldrin	ug/L								ND	
Diesel range organics	ug/L		9390		7150				3330	
Diethyl phthalate	ug/L								ND	
Dimethyl phthalate	ug/L								ND	
Endosulfan sulfate	ug/L								ND	
Endrin aldehyde	ug/L								ND	
Endrin	ug/L								ND	
Ethylbenzene	ug/L								ND	
Fluoranthene	ug/L								ND	
Fluorene	ug/L								ND	
Gasoline range organics	ug/L		ND		ND				ND	
Heptachlor epoxide	ug/L								ND	
Heptachlor	ug/L								ND	
Hexachlorobenzene	ug/L								ND	
Hexachlorobutadiene	ug/L								ND	
Hexachlorocyclopentadiene	ug/L								ND	
Hexachloroethane	ug/L								ND	
Indeno (1,2,3-cd) pyrene	ug/L								ND	
Isophorone	ug/L								ND	
Lead	ug/L								0.44	
Lindane (gamma-Hexachlorocyclohexane)	ug/L								ND	
Mercury	ug/L								0.04	
Methyl bromide (Bromomethane)	ug/L								ND	
Methyl chloride (Chloromethane)	ug/L								ND	
Methylene chloride	ug/L								ND	
n-Nitrosodi-n-propylamine	ug/L								ND	
n-Nitrosodimethylamine (NDMA)	ug/L								ND	
n-Nitrosodiphenylamine	ug/L								ND	
Naphthalene	ug/L								ND	
Nickel	ug/L								2.28	
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L								ND	
Pentachlorophenol	ug/L								ND	
Phenanthrene	ug/L								ND	
Phenols	ug/L								57	
Phenol	ug/L								32.6	
Pyrene	ug/L								ND	
Selenium	ug/L								ND	
Silver	ug/L								ND	
Tetrachloroethene	ug/L								ND	
Thallium	ug/L								ND	
Toluene	ug/L								0.60	
Total BOD5	mg/L	355	325	303	308	290	279	287	256	242
Total COD	mg/L	810	910	757	751	774	722	693	619	653
Total cyanide	ug/L								ND	
Total dissolved solids	mg/L	521						569		
Total Kjeldahl Nitrogen (TKN)	mg/L	52.5	51.5	54.8	55.5	60.2	65.0	75.0	61.8	51.0
Total trihalomethanes	ug/L				3.9				2.2	
Toxaphene	ug/L								ND	
trans-1,2-Dichloroethene	ug/L								ND	
Trichloroethene	ug/L								ND	
Vinyl chloride	ug/L								ND	
Zinc	ug/L								178	

B = Quality control error.

Palmdale Water Reclamation Plant
2015 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Chloroform	ug/L				0.91	1.0	1.1	EPA 624	2	0.18	0.50
Chromium VI	ug/L				0.12	0.17	0.22	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				2.37	2.37	2.37	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	1.3	100
Copper	ug/L				41.8	41.8	41.8	EPA 200.8	0.5	0.16	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.2	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	1.4	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	5730			3330	6400	9390	SW8015 Diesel/Oil Organics		165 - 825	500 - 2500
Diethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	2.7	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	2.6	20.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	1.0	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	3.0	100
Gasoline range organics	ug/L	ND			ND	ND	ND	SW8015 Gas-Range Organics		9 - 16	50
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	1.1	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	3.3	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	5.2	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	1.3	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	2.5	10.0
Lead	ug/L				0.44	0.44	0.44	EPA 200.8	0.5	0.03	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009	0.01
Mercury	ug/L				0.04	0.04	0.04	EPA 245.1	0.5	0.010	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	3.2	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	2.3	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	1.5	10.0
Nickel	ug/L				2.28	2.28	2.28	EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	ND	ND	B	ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	1.3	10.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	6.4	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	1.1	50.0
Phenols	ug/L				57	57	57	EPA 420.1		5	15
Phenol	ug/L				32.6	32.6	32.6	EPA 625	1	1.0	10.0
Pyrene	ug/L				ND	ND	ND	EPA 625	10	2.7	100
Selenium	ug/L				ND	ND	ND	EPA 200.8	2	0.10	1.00
Silver	ug/L				ND	ND	ND	EPA 200.8	0.25	0.01	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010	0.25
Toluene	ug/L				0.60	0.60	0.60	EPA 624	2	0.19	0.50
Total BOD5	mg/L	264	272	289	242	289	355	SM 5210B		0.4 - 0.6	85.7 - 100
Total COD	mg/L	601	642	687	601	718	910	SM 5220D (std)		8.5 - 17.0	25.0 - 50.0
Total cyanide	ug/L				ND	ND	ND	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L				521	545	569	SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	54.2	53.8	B	51.0	57.8	75.0	EPA 351.2		3.38 - 6.75	5.00 - 10.0
Total trihalomethanes	ug/L				2.2	3.1	3.9	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				178	178	178	EPA 200.8	1	0.66	1.00

B = Quality control error.

Palmdale WRP Effluent Monitoring

Palmdale Water Reclamation Plant
2015 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L				ND				ND	
1,1-Dichloroethene	ug/L				ND				ND	
1,1,1-Trichloroethane	ug/L				ND				ND	
1,1,2-Trichloroethane	ug/L				ND				ND	
1,1,2,2-Tetrachloroethane	ug/L				ND				ND	
1,2-Dichlorobenzene	ug/L				ND				ND	
1,2-Dichloroethane	ug/L				ND				ND	
1,2-Dichloropropane	ug/L				ND				ND	
1,2-Diphenylhydrazine	ug/L				ND				ND	
1,2,4-Trichlorobenzene	ug/L				ND				ND	
1,3-Dichlorobenzene	ug/L				ND				ND	
1,3-Dichloropropene (Total)	ug/L				ND				ND	
1,4-Dichlorobenzene	ug/L				ND				ND	
2-Chloroethyl vinyl ether (mixed)	ug/L				ND				ND	
2-Chloronaphthalene	ug/L				ND				ND	
2-Chlorophenol	ug/L				ND				ND	
2-Methyl-4,6-dinitrophenol	ug/L				ND				ND	
2-Nitrophenol	ug/L				ND				ND	
2,4-Dichlorophenol	ug/L				ND				DNQ Est. Conc. 0.34	
2,4-Dimethylphenol	ug/L				ND				ND	
2,4-Dinitrophenol	ug/L				ND				ND	
2,4-Dinitrotoluene	ug/L				ND				ND	
2,4,6-Trichlorophenol	ug/L				ND				ND	
2,6-Dinitrotoluene	ug/L				ND				ND	
3-Methyl-4-chlorophenol	ug/L				ND				ND	
3,3'-Dichlorobenzidine	ug/L				ND				ND	
4-Bromophenyl phenyl ether	ug/L				ND				ND	
4-Chlorophenyl phenyl ether	ug/L				ND				ND	
4-Nitrophenol	ug/L				ND				ND	
4,4'-DDD	ug/L				ND				ND	
4,4'-DDE	ug/L				ND				ND	
4,4'-DDT	ug/L				ND				ND	
Acenaphthene	ug/L				ND				ND	
Acenaphthylene	ug/L				ND				ND	
Acrolein	ug/L				ND				ND	
Acrylonitrile	ug/L				ND				ND	
Aldrin	ug/L				ND				ND	
alpha-Endosulfan	ug/L				ND				ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND				ND	
Ammonia as nitrogen	mg/L	3.85	2.10	1.96	2.00	1.72	1.86	1.69	1.61	2.08
Anthracene	ug/L				ND				ND	
Antimony	ug/L				DNQ Est. Conc. 0.47				DNQ Est. Conc. 0.46	
Arsenic	ug/L				DNQ Est. Conc. 0.86				DNQ Est. Conc. 0.54	
Benzene	ug/L				ND				ND	
Benzidine	ug/L				ND				ND	
Benzo(a)anthracene	ug/L				ND				ND	
Benzo(a)pyrene	ug/L				ND				ND	
Benzo(b)fluoranthene	ug/L				ND				ND	
Benzo(g,h,i)perylene	ug/L				ND				ND	
Benzo(k)fluoranthene	ug/L				ND				ND	
Beryllium	ug/L				ND				ND	
beta-Endosulfan	ug/L				ND				ND	
beta-Hexachlorocyclohexane	ug/L				ND				ND	
bis(2-Chloroethoxy) methane	ug/L				ND				ND	
bis(2-Chloroethyl) ether	ug/L				ND				ND	
bis(2-Chloroisopropyl) ether	ug/L				ND				ND	
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND				ND	
BOD5, filtered	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L		0.71		DNQ Est. Conc. 0.36				0.77	
Bromoform	ug/L		DNQ Est. Conc. 0.17		ND				ND	
Butyl benzyl phthalate	ug/L				ND				ND	
Cadmium	ug/L				ND				ND	
Calcium	mg/L		43.3		43.2				40.4	
Carbon tetrachloride	ug/L				ND				ND	
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND	ND	ND	33.3	28.2
Chlordane	ug/L				ND				ND	
Chloride	mg/L		148		149				164	
Chlorobenzene	ug/L				ND				ND	
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.15		ND				ND	
Chloroethane	ug/L				ND				ND	
Chloroform	ug/L		3.4		3.8				4.3	
Chromium VI	ug/L				ND				ND	
Chromium, total	ug/L				0.80				0.64	
Chrysene	ug/L				ND				ND	

Palmdale Water Reclamation Plant
2015 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	3.5	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
2,4-Dichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.34			EPA 625	5	0.11	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.36	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.0	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.22	5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625	10	0.17	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.66	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.33	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.38	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.22	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ammonia as nitrogen	mg/L	2.62	1.74	B	1.61	2.11	3.85			SM 4500 NH3 G		0.020 - 0.100	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Antimony	ug/L				DNQ Est. Conc. 0.46	ND	DNQ Est. Conc. 0.47			EPA 200.8	0.5	0.07 - 0.13	0.50
Arsenic	ug/L				DNQ Est. Conc. 0.54	ND	DNQ Est. Conc. 0.86			EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.6	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(a)pyrene	ug/L				ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.13	5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L				ND	ND	ND			EPA 200.8	0.5	0.040	0.25
beta-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.50	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
BOD5, filtered	mg/L	ND	ND	ND	ND	ND	ND	30	10	SM 5210B		0.4 - 0.6	3.0
Bromodichloromethane	ug/L	ND			ND	0.37	0.77			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	ND			ND	ND	DNQ Est. Conc. 0.17			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
Cadmium	ug/L				ND	ND	ND			EPA 200.8	0.25	0.030 - 0.040	0.20
Calcium	mg/L	44.6			40.4	42.9	44.6			EPA 200.8		0.004 - 0.010	0.020
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	5.13	33.3			SM 5220D (std)		8.5	25.0
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Chloride	mg/L	168			148	157	168			EPA 300.0		0.200 - 0.600	8.00
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	ND			ND	ND	DNQ Est. Conc. 0.15			EPA 624	2	0.08 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L	1.7			1.7	3.3	4.3			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	ug/L				ND	ND	ND			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				0.64	0.72	0.80			EPA 200.8	0.5	0.07 - 0.11	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020

Palmdale Water Reclamation Plant
2015 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Copper	ug/L				1.81				1.92	
delta-Hexachlorocyclohexane	ug/L				ND				ND	
Di-n-butyl phthalate	ug/L				ND				ND	
Di-n-octyl phthalate	ug/L				ND				ND	
Dibenzo(a,h)anthracene	ug/L				ND				ND	
Dibromoacetic acid	ug/L		ND		ND				ND	
Dichloroacetic acid	ug/L		8.9		7.8				9.6	
Dieldrin	ug/L				ND				ND	
Diesel range organics	ug/L		ND		124				116	
Diethyl phthalate	ug/L				ND				ND	
Dimethyl phthalate	ug/L				ND				ND	
Dissolved oxygen	mg/L	7.6	7.3	7.5	7.3	7.4	6.7	6.8	6.6	6.4
Endosulfan sulfate	ug/L				ND				ND	
Endrin aldehyde	ug/L				ND				ND	
Endrin	ug/L				ND				ND	
Ethylbenzene	ug/L				ND				ND	
Fluoranthene	ug/L				ND				ND	
Fluorene	ug/L				ND				ND	
Gasoline range organics	ug/L		ND		ND				ND	
Heptachlor epoxide	ug/L				ND				ND	
Heptachlor	ug/L				ND				ND	
Hexachlorobenzene	ug/L				ND				ND	
Hexachlorobutadiene	ug/L				ND				ND	
Hexachlorocyclopentadiene	ug/L				ND				ND	
Hexachloroethane	ug/L				ND				ND	
Indeno (1,2,3-cd) pyrene	ug/L				ND				ND	
Isophorone	ug/L				ND				ND	
Lead	ug/L				DNQ Est. Conc. 0.07				DNQ Est. Conc. 0.04	
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND				ND	
Magnesium	mg/L		8.3		10.2				10.8	
Mercury	ug/L				0.00089				0.00068	
Methyl bromide (Bromomethane)	ug/L				ND				ND	
Methyl chloride (Chloromethane)	ug/L				ND				ND	
Methyl tert-butyl ether (MTBE)	ug/L				ND				ND	
Methylene chloride	ug/L				ND				ND	
Monobromoacetic acid	ug/L		ND		ND				ND	
Monochloroacetic acid	ug/L		ND		ND				ND	
n-Nitrosodi-n-propylamine	ug/L				ND				ND	
n-Nitrosodimethylamine (NDMA)	ug/L		1.0		0.45				0.51	
n-Nitrosodiphenylamine	ug/L				ND				ND	
Naphthalene	ug/L				ND				ND	
Nickel	ug/L				1.12				1.24	
Nitrate as nitrogen	mg/L	3.43	2.83	3.60	2.62	2.68	1.37	3.04	3.87	2.12
Nitrite as nitrogen	mg/L	0.244	0.072	0.072	0.064	0.046	0.046	0.067	0.041	0.059
Nitrobenzene	ug/L				ND				ND	
Pentachlorophenol	ug/L				ND				ND	
Phenanthrene	ug/L				ND				ND	
Phenols	ug/L				ND				ND	
Phenol	ug/L				DNQ Est. Conc. 0.12				DNQ Est. Conc. 0.11	
pH	SU	7.4	7.2	7.4	7.2	7.4	7.3	7.4	7.3	7.3
Pyrene	ug/L				ND				ND	
Selenium	ug/L				DNQ Est. Conc. 0.31				DNQ Est. Conc. 0.21	
Silver	ug/L				ND				DNQ Est. Conc. 0.01	
Sodium	mg/L		125		130				135	
Sulfate	mg/L		90.7		90.3				88.4	
Surfactant (MBAS)	mg/L	ND			ND			ND		
Temperature	°C	19.4	20.0	21.1	22.2	22.9	26.1	26.0	28.2	27.7
Tetrachloroethene	ug/L				ND				ND	
Thallium	ug/L				ND				ND	
Toluene	ug/L				DNQ Est. Conc. 0.33				ND	
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND						ND	
Total dissolved solids	mg/L	489			520			518		
Total haloacetic acids	ug/L		13		11				12	
Total Kjeldahl Nitrogen (TKN)	mg/L	4.10	3.76	4.74	2.63	3.51	2.84	3.25	3.08	3.55
Total organic carbon	mg/L		4.89		5.51				5.28	
Total trihalomethanes	ug/L		4.1	3.7	3.8				5.1	
Toxaphene	ug/L				ND				ND	
trans-1,2-Dichloroethene	ug/L				ND				ND	
Trichloroacetic acid	ug/L		3.9		3.6				2.3	
Trichloroethene	ug/L				ND				ND	
Vinyl chloride	ug/L				ND				ND	
Zinc	ug/L				76.8				97.6	

B=Quality control error.

Palmdale Water Reclamation Plant
2015 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Copper	ug/L				1.81	1.87	1.92			EPA 200.8	0.5	0.08 - 0.16	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L	12			7.8	9.6	12			EPA 552.2		0.41	1.0
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	106			ND	86.5	124			SW8015 Diesel/Oil Organics		33	100
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.27	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.26	2.0
Dissolved oxygen	mg/L	6.6	7.3	7.8	6.4	7.1	7.8	≥ 1		HACH Method 10360 DO by Lumine & SM 4500 O G		0.1	1.0
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.10	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.30	10.0
Gasoline range organics	ug/L	ND			ND	ND	ND			SW8015 Gas-Range Organics		9 - 16	50
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.52	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.25	1.0
Lead	ug/L				DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.07			EPA 200.8	0.5	0.03	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND			EPA 608	0.02	0.0009 - 0.001	0.01
Magnesium	mg/L	11.6			8.3	10	11.6			EPA 200.8		0.001 - 0.003	0.020
Mercury	ug/L				0.00068	0.00079	0.00089			EPA 1631	0.5	0.00011 - 0.00016	0.00020 - 0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Monobromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.24			0.24	0.55	1.0			EPA 1625 (Modified)	5	0.0003 - 0.0005	0.0020
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.23	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Nickel	ug/L				1.12	1.18	1.24			EPA 200.8	1	0.12 - 0.13	1.00
Nitrate as nitrogen	mg/L	4.35	2.83	B	1.37	2.98	4.35			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.113	0.044	B	0.041	0.079	0.244			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.64	1.0
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
Phenols	ug/L				ND	ND	ND			EPA 420.1		2	6
Phenol	ug/L				DNQ Est. Conc. 0.11	ND	DNQ Est. Conc. 0.12			EPA 625	1	0.10	1.0
pH	SU	7.3	7.3	7.2	7.2	7.3	7.4			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.27	10.0
Selenium	ug/L				DNQ Est. Conc. 0.21	ND	DNQ Est. Conc. 0.31			EPA 200.8	2	0.10 - 0.17	1.00
Silver	ug/L				ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01 - 0.03	0.20
Sodium	mg/L	155			125	136	155			EPA 200.8		0.080 - 0.42	1.0 - 4.0
Sulfate	mg/L	96.6			88.4	91.5	96.6			EPA 300.0		0.240 - 0.440	2.00
Surfactant (MBAS)	mg/L	ND			ND	ND	ND	2	1	SM 5540C		0.03	0.10
Temperature	°C	24.5	20.8	18.8	18.8	23.1	28.2			EPA 170.1 (oC)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L				ND	ND	DNQ Est. Conc. 0.33			EPA 624	2	0.19	0.50
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L				ND	ND	ND			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	553			489	520	553			SM 2540C		2.7	25.0
Total haloacetic acids	ug/L	12			11	12	13			EPA 552.2		1.0	1.0
Total Kjeldahl Nitrogen (TKN)	mg/L	4.28	2.98	B	2.63	3.52	4.74			EPA 351.2		0.135 - 0.675	0.200 - 1.00
Total organic carbon	mg/L	4.89			4.89	5.14	5.51			SM 5310C		0.05 - 0.20	0.50 - 2.00
Total trihalomethanes	ug/L	1.7			1.7	3.7	5.1			EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.50
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroacetic acid	ug/L	ND			ND	2.5	3.9			EPA 552.2		0.22	1.0
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L				76.8	87.2	97.6			EPA 200.8	1	0.22 - 0.66	1.00

B=Quality control error.

Palmdale WRP Biosolids Monitoring

WATER RECLAMATION
SOLID WASTE MANAGEMENT

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 20-04.01.00

Ms. Lauren Fondahl
U.S. EPA - Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Ms. Fondahl:

Annual Biosolids Monitoring Report
Palmdale Water Reclamation Plant, WDID No. 6B190107069

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that the Class B pathogen reduction requirements in 503.32(b)(3) and the vector attraction reduction requirements in 503.33(b)(1) have been met. These determinations have been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Should you have any questions or require additional information, please contact me at (562) 908-4288, extension 2824, or by email at mfischer@lacsd.org.

Very truly yours,

Melissa Fischer
Monitoring Supervising Engineer
Technical Services Department

MF:TF:MC:GS:nm
Enclosures

cc: Kouyoumdjian, Lahontan RWQCB

#3607480

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
PALMDALE WATER RECLAMATION PLANT

2015 ANNUAL BIOSOLIDS MONITORING REPORT

GENERAL INFORMATION

Operator:	County Sanitation District No. 20 of Los Angeles County
Contact:	Melissa Fischer
Address:	1955 Workman Mill Road, P.O. Box 4998, Whittier, CA 90607
Telephone:	(562) 908-4288, extension 2824
Ownership Status:	Publicly Owned Treatment Works

FACILITY INFORMATION

Name:	Palmdale Water Reclamation Plant
Location:	39300 30th Street East, Palmdale, CA 93550
Telephone:	(661) 947-6053
WDID Number:	6B190107069
Capacity/Influent Flow:	12.0 / 9.3 MGD

BIOSOLIDS INFORMATION

Treatment: Primary sludge and thickened waste activated sludge are anaerobically digested at an average temperature of 98 degrees Fahrenheit and detention time of 52 days. Volatile solids destruction averaged 55% and digested biosolids were dewatered to approximately 21.2% total solids via scroll centrifuge. Dewatered biosolids were further dried in concrete drying beds prior to being transported for reuse.

Quantity Generated: Approximately 4,881 wet tons = 1,034 dry tons = 938 dry metric tons. There were no digester cleanings generated for the year.

Quantity Composted: Approximately 4,881 wet tons were composted by Nursery Products, LLC.

Monitoring/Frequency: Monthly average digester performance for Class B time/temperature criteria and VSD (using daily temperatures and weekly volatile solids percentages). Bi-Monthly composite samples for Table 1/Table 3 metals.

Sample Type: Digested biosolids prior to dewatering.

Quality: Class B pathogen reduction requirements of 503.32(b)(3) were met for the entire year via Process to Significantly Reduce Pathogens (PSRP) criteria (time/temperature) for anaerobic digestion.

Vector Attraction Reduction requirements were met per 503.33(b)(1) for biosolids produced in 2015.

Results for the reporting period are shown on page 3. Data are presented in Attachment A.

PALMDALE WATER RECLAMATION PLANT

2015 DIGESTER PERFORMANCE			
Month	Temperature (degrees F)	Detention Time (days)	VSD (%)
Jan	98	42	56
Feb	98	45	55
Mar	98	48	55
Apr	98	47	52
May	98	58	58
Jun	98	47	55
Jul	98	56	55
Aug	98	54	51
Sep	98	72	62
Oct	98	59	59
Nov	98	50	49
Dec	98	43	54
Mean	98	52	55
Min	98	42	49

Individual digester performance data are presented in Attachment A

2015 BIOSOLIDS - TABLE 1/TABLE 3 METALS CONCENTRATIONS											
mg/kg Dry Weight											
	Sample No.	Date	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
Jan	15010700247	1/6/2015	4.01	1.8	608	7.64	1.09	12.6	26.1	6.48	2,000
Mar	15030400137	3/3/2015	4.37	2.2	415	7.19	1.78	11.2	22.7	6.53	1,280
May	15051100108	5/10/2015	3.49	2.3	425	7.29	1.46	12.1	27.2	6.48	1,180
Jul	15070700398	7/7/2015	3.76	2.7	407	7.04	0.96	11.3	23.9	6.33	1,490
Sep	15090200153	9/1/2015	3.68	3.0	453	7.70	1.34	12.1	28.7	6.93	1,560
Nov	15110400195	11/3/2015	3.74	2.3	487	8.34	1.40	10.8	25.2	6.75	1,690
MEAN			**3.84**	**2.4**	**466**	**7.53**	**1.34**	**11.7**	**25.6**	**6.58**	**1,530**
MAX			**4.37**	**3.0**	**608**	**8.34**	**1.78**	**12.6**	**28.7**	**6.93**	**2,000**
TABLE 1 LIMITS			**75**	**85**	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS			**41**	**39**	**1,500**	**300**	**17**	\	**420**	**100**	**2,800**

MANAGEMENT PRACTICES

Composting

Contract Company:	**Nursery Products, LLC**
Contact:	Mr. Jeff Meberg
Address:	647 Camino de los Mares #108-174 San Clemente, CA 92673
Telephone:	(714) 287-7654
Site Location:	Nursery Products Hawes Composting Facility 14479 Cougar Road, Helendale, CA 92342
Site Contact:	Chris Seney
Telephone:	(760) 272-1224
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	Cal Recycle/LEA Solid Waste Facility Permit #36-AA-0445, August 31, 2007 Lahontan Regional Water Quality Control Board WDR Permit #R6V-2010-0010, March 10, 2010 San Bernardino County Conditional Use Permit - #P200500644CU1, December 3, 2009
Contract Commenced:	February 20, 2014
Operations Commenced:	June 1, 2012
Biosolids Quantity:	4,881 wet tons = 1,034 dry tons = 938 dry metric tons

ATTACHMENT A

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
PALMDALE WATER RECLAMATION PLANT

Metals
Nutrients
Digester Performance

2015 BIOSOLIDS ANALYSIS
Palmdale Water Reclamation Plant
mg/kg Dry Weight (or as indicated)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
15010700247	1/6/2015	20.6	4.01	1.8	60.1	608	7.64	1.09	12.6	26.1	6.48	2,000
15030400137	3/3/2015	21.6	4.37	2.2	65.6	415	7.19	1.78	11.2	22.7	6.53	1,280
15051100108	5/10/2015	24.5	3.49	2.3	64.3	425	7.29	1.46	12.1	27.2	6.48	1,180
15070700398	7/7/2015	20.8	3.76	2.7	60.2	407	7.04	0.96	11.3	23.9	6.33	1,490
15090200153	9/1/2015	20.3*	3.68	3.0	68.0	453	7.70	1.34	12.1	28.7	6.93	1,560
15110400195	11/3/2015	19.4	3.74	2.3	56.7	487	8.34	1.40	10.8	25.2	6.75	1,690
MEAN		**21.2**	**3.84**	**2.4**	**62.5**	**466**	**7.53**	**1.34**	**11.7**	**25.6**	**6.58**	**1,530**
MAX			**4.37**	**3.0**	**68.0**	**608**	**8.34**	**1.78**	**12.6**	**28.7**	**6.93**	**2,000**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

Sample No.	Date	% TS	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K
15010700247	1/6/2015	20.6	6,160	64,200	22.0	8.46	55,400	1,290
15030400137	3/3/2015	21.6	7,560	63,300	21.2	7.13	69,800	1,140
15051100108	5/10/2015	24.5	4,620	58,500	< 8.17	1.83	69,900	1,070
15070700398	7/7/2015	20.8	4,940	62,000	< 9.60	4.94	83,700	1,060
15090200153	9/1/2015	20.3*	6,930	41,300	5.96	2.47	77,700	1,110
15110400195	11/3/2015	19.4	5,340	62,000	< 10.3	27.0	73,700	1,330
MEAN		**21.2**	**5,930**	**58,600**	**16.4**	**8.64**	**71,700**	**1,167**
MAX			**7,560**	**64,200**	**22.0**	**27.00**	**83,700**	**1,330**

\ = No Limit
Statistics use detected values only.
* = Due to invalid %TS result, reported value is averaged from weekly cake samples (Lab ID's: 15090900337, 15091700576, 15090200290, 1592400377)

PALMDALE WATER RECLAMATION PLANT
2015 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 3	40	98	56	Jul	Dig 3	57	98	54
	Dig 4	40	98	52		Dig 4	52	98	51
	Dig 5	41	98	58		Dig 5	54	98	57
	Dig 7	47	98	57		Dig 7	60	98	59
	Avg	**42**	**98**	**56**		**Avg**	**56**	**98**	**55**
Feb	Dig 3	44	98	56	Aug	Dig 3	57	98	55
	Dig 4	42	98	50		Dig 4	50	98	47
	Dig 5	46	98	56		Dig 5	52	98	51
	Dig 7	50	98	59		Dig 7	57	98	51
	Avg	**45**	**98**	**55**		**Avg**	**54**	**98**	**51**
Mar	Dig 3	45	98	55	Sep	Dig 3	74	98	64
	Dig 4	45	98	53		Dig 4	67	98	61
	Dig 5	50	98	54		Dig 5	68	98	61
	Dig 7	53	98	59		Dig 7	78	98	63
	Avg	**48**	**98**	**55**		**Avg**	**72**	**98**	**62**
Apr	Dig 3	44	98	52	Oct	Dig 3	61	98	61
	Dig 4	44	98	50		Dig 4	55	98	59
	Dig 5	49	98	52		Dig 5	54	98	58
	Dig 7	53	98	55		Dig 7	64	98	64
	Avg	**47**	**98**	**52**		**Avg**	**59**	**98**	**59**
May	Dig 3	54	98	57	Nov	Dig 3	50	98	50
	Dig 4	54	98	54		Dig 4	49	98	45
	Dig 5	60	98	60		Dig 5	46	98	49
	Dig 7	63	98	61		Dig 7	53	98	54
	Avg	**58**	**98**	**58**		**Avg**	**50**	**98**	**49**
Jun	Dig 3	48	98	52	Dec	Dig 3	45	98	51
	Dig 4	43	98	49		Dig 4	40	97	51
	Dig 5	45	98	59		Dig 5	41	98	51
	Dig 7	50	98	59		Dig 7	48	98	60
	Avg	**47**	**98**	**55**		**Avg**	**43**	**98**	**53**

HDT = Hydraulic Detention Time
VSD = Volatile Solids Destruction

Pomona WRP Influent Monitoring

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L						ND				
1,1-Dichloroethylene	ug/L						ND				
1,1,1-Trichloroethane	ug/L						ND				
1,1,2-Trichloroethane	ug/L						ND				
1,1,2,2-Tetrachloroethane	ug/L						ND				
1,2-Dichlorobenzene	ug/L						ND				
1,2-Dichloroethane	ug/L						ND				
1,2-Dichloropropane	ug/L						ND				
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L						ND				
1,2,4-Trichlorobenzene	ug/L						ND				
1,3-Dichlorobenzene	ug/L						ND				
1,3-Dichloropropene (Total)	ug/L						ND				
1,4-Dichlorobenzene	ug/L						ND				
2-Chloroethylvinyl ether	ug/L						ND				
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,7,8-TCDD	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				
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				
4,4-DDE	ug/L						ND				
4,4-DDT	ug/L						ND				
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L						ND				
alpha-BHC	ug/L						ND				
alpha-Endosulfan	ug/L						ND				
Anthracene	ug/L						ND				
Antimony	ug/L									0.98	
Aroclor 1016	ug/L						ND				
Aroclor 1221	ug/L						ND				
Aroclor 1232	ug/L						ND				
Aroclor 1242	ug/L						ND				
Aroclor 1248	ug/L						ND				
Aroclor 1254	ug/L						ND				
Aroclor 1260	ug/L						ND				
Arsenic	ug/L									2.15	
Benzene	ug/L						ND				
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L						ND				
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

				Monthly Average						
	Units	November	December	Minimum	Average	Maximum	Method	ML	MDL	RDL
1,1-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND	EPA 625	1	2.0	10.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	1	0.16	0.50
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND	EPA 625	10	1.2	100
2-Chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	35.3	50.0
2-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	1.8	100
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND	EPA 1613B		0.27 - 1.8	11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	1.1	50.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND	EPA 625	2	3.6	20.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	20.1	50.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	2.2	50.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	10	1.7	100
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	1.2	50.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	1	2.2	10.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND	EPA 625	5	6.6	50.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	2.8	50.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	3.3	50.0
4-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	13.3	100
4,4-DDD	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4-DDE	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.01
4,4-DDT	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND	EPA 625	1	3.8	10.0
Acenaphthylene	ug/L		ND	ND	ND	ND	EPA 625	10	2.2	100
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	0.005
alpha-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.002	0.01
alpha-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.01
Anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	1.6	100
Antimony	ug/L		0.59	0.59	0.79	0.98	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	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	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	0.1
Arsenic	ug/L		1.55	1.55	1.85	2.15	EPA 200.8	2	0.14	1.00
Benzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND	EPA 625	5	15.7	50.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND	EPA 625	5	1.2	50.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	1.9	100
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	1.4	100
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND	EPA 625	5	1.3	50.0

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

	Units	January	February	March	April	May	June	July	August	September	October
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L									ND	
beta-BHC	ug/L						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						DNQ Est. Conc. 18.6				
BOD	mg/L	294	283	314	341	323	>375	345	330	329	304
Bromodichloromethane	ug/L						DNQ Est. Conc. 0.48				
Bromoform	ug/L						DNQ Est. Conc. 0.43				
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L									0.63	
Carbon tetrachloride	ug/L						ND				
Chlorobenzene	ug/L						ND				
Chloroethane	ug/L						ND				
Chloroform	ug/L						3.8				
Chromium III	ug/L		5.52				5.26				
Chromium VI	ug/L		0.35				0.18				
Chrysene	ug/L						ND				
Copper	ug/L									73.9	
Cyanide	ug/L						DNQ Est. Conc. 1.55				
delta-BHC	ug/L						ND				
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L						0.79				
Dieldrin	ug/L						ND				
Diethyl phthalate	ug/L						DNQ Est. Conc. 7.1				
Dimethyl phthalate	ug/L						ND				
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				
Endrin	ug/L						ND				
Ethylbenzene	ug/L						ND				
Fluoranthene	ug/L						ND				
Fluorene	ug/L						ND				
gamma-BHC	ug/L						ND				
Heptachlor epoxide	ug/L						ND				
Heptachlor	ug/L						ND				
Hexachlorobenzene	ug/L						ND				
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L						ND				
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Isophorone	ug/L						ND				
Lead	ug/L	1.01	2.77	0.99	0.93	1.31		6.56	1.47	3.08	1.88
Mercury	ug/L									0.06	
Methyl bromide (Bromomethane)	ug/L						ND				
Methyl chloride (Chloromethane)	ug/L						ND				
Methylene chloride	ug/L						0.69				
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L						ND				
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L									97.5	
Nitrobenzene	ug/L						ND				
PCB-105	pg/L						140				

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

				Monthly Average						
	Units	November	December	Minimum	Average	Maximum	Method	ML	MDL	RDL
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	2.2	100
Beryllium	ug/L		ND	ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.002	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	5.0	50.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND	EPA 625	1	1.3	10.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND	EPA 625	2	2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 9.6	DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 18.6	EPA 625	5	1.7	20.0
BOD	mg/L	335	358	283	>328	>375	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L		0.76	DNQ Est. Conc. 0.48	0.38	0.76	EPA 624	2	0.17	0.50
Bromoform	ug/L		DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.43	ND	DNQ Est. Conc. 0.44	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	1.0	100
Cadmium	ug/L		DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.17	0.32	0.63	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L		4.7	3.8	4.3	4.7	EPA 624	2	0.18	0.50
Chromium III	ug/L		3.53	3.53	4.77	5.52	EPA 200.8			0.50
Chromium VI	ug/L		0.31	0.18	0.28	0.35	EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND	ND	ND	ND	EPA 625	10	1.3	100
Copper	ug/L		40.0	40.0	57.0	73.9	EPA 200.8	0.5	0.11	0.50
Cyanide	ug/L		DNQ Est. Conc. 1.35	DNQ Est. Conc. 1.35	ND	DNQ Est. Conc. 1.55	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	1.0	100
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	1.2	100
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	1.4	100
Dibromochloromethane	ug/L		0.84	0.79	0.82	0.84	EPA 624	2	0.14	0.50
Dieldrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		DNQ Est. Conc. 4.8	DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 7.1	EPA 625	2	2.7	20.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	2	2.6	20.0
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	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	1	1.0	10.0
Fluorene	ug/L		ND	ND	ND	ND	EPA 625	10	3.0	100
gamma-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.0009	0.01
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	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	1.1	10.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND	EPA 625	1	3.3	10.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND	EPA 625	5	5.2	50.0
Hexachloroethane	ug/L		ND	ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	1.3	100
Isophorone	ug/L		ND	ND	ND	ND	EPA 625	1	2.5	10.0
Lead	ug/L	0.87	1.45	0.87	2.0	6.56	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.05	0.05	0.06	0.06	EPA 245.1	0.5	0.010	0.04
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.32	0.35	0.69	EPA 624	2	0.18	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 625	5	1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND	EPA 625	5	3.2	50.0
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND	EPA 625	1	2.3	10.0
Naphthalene	ug/L		ND	ND	ND	ND	EPA 625	1	1.5	10.0
Nickel	ug/L		3.76	3.76	50.6	97.5	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	1.3	10.0
PCB-105	pg/L			140	140	140	EPA 1668		6.8	21

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

	Units	January	February	March	April	May	June	July	August	September	October
PCB-110/115	pg/L						DNQ Est. Conc. 350 (1)				
PCB-114	pg/L						DNQ Est. Conc. 8.7				
PCB-106/118	pg/L						209				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-128/166	pg/L						DNQ Est. Conc. 39				
PCB-129/138/163	pg/L						DNQ Est. Conc. 310 (1)				
PCB-135/151	pg/L						DNQ Est. Conc. 73				
PCB-147/149	pg/L						DNQ Est. Conc. 210				
PCB-153/168	pg/L						DNQ Est. Conc. 240 (1)				
PCB-156	pg/L						26.7				
PCB-157	pg/L						5.81				
PCB-158	pg/L						DNQ Est. Conc. 26				
PCB-167	pg/L						DNQ Est. Conc. 13				
PCB-169	pg/L						ND				
PCB-170	pg/L						DNQ Est. Conc. 100				
PCB-177	pg/L						DNQ Est. Conc. 54 (2)				
PCB-18/30	pg/L						DNQ Est. Conc. 290				
PCB-180/193	pg/L						DNQ Est. Conc. 300				
PCB-183	pg/L						DNQ Est. Conc. 85				
PCB-187	pg/L						DNQ Est. Conc. 130				
PCB-189	pg/L						ND				
PCB-194	pg/L						DNQ Est. Conc. 67				
PCB-201	pg/L						DNQ Est. Conc. 12				
PCB-206	pg/L						DNQ Est. Conc. 67				
PCB-28	pg/L						209				
PCB-37	pg/L						DNQ Est. Conc. 110				
PCB-44	pg/L						167				
PCB-49/69	pg/L						DNQ Est. Conc. 220				
PCB-52	pg/L						590				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 380				
PCB-66	pg/L						230				
PCB-77	pg/L						15.1				
PCB-81	pg/L						ND				
PCB-86/87/97/108/119/125	pg/L						DNQ Est. Conc. 260 (1)				
PCB-90/101/113	pg/L						DNQ Est. Conc. 390 (1)				
PCB-99	pg/L						DNQ Est. Conc. 180 (1)				
Pentachlorophenol	ug/L						ND				
Phenanthrene	ug/L						ND				
Phenol	ug/L						48.8				
pH	SU	7.9	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8
Pyrene	ug/L						ND				
Selenium	ug/L	DNQ Est. Conc. 0.84	1.12	DNQ Est. Conc. 0.95	1.03	1.29		DNQ Est. Conc. 0.86	DNQ Est. Conc. 0.96	1.62	DNQ Est. Conc. 0.69
Silver	ug/L									0.23	
Technical chlordane	ug/L						ND				
Tetrachloroethylene	ug/L						DNQ Est. Conc. 0.18				
Thallium	ug/L									ND	
Toluene	ug/L						0.50				
Total chromium	ug/L		5.87				5.45				
Total Suspended Solids	mg/L	296	310	310	334	322	327	348	326	323	305
Toxaphene	ug/L						ND				
Trichloroethylene	ug/L						ND				
Vinyl chloride	ug/L						ND				
Zinc	ug/L									161	

Pomona Water Reclamation Plant
2015 INF-001 Monitoring Results

	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-110/115	pg/L			DNQ Est. Conc. 350	ND	DNQ Est. Conc. 350	EPA 1668		5.5	430
PCB-114	pg/L			DNQ Est. Conc. 8.7	ND	DNQ Est. Conc. 8.7	EPA 1668		6.9	21
PCB-106/118	pg/L			209	209	209	EPA 1668		3.19	16.9
PCB-123	pg/L			ND	ND	ND	EPA 1668		6.8	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		8.2	21
PCB-128/166	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		3.3	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668		3.3	640
PCB-135/151	pg/L			DNQ Est. Conc. 73	ND	DNQ Est. Conc. 73	EPA 1668		3.4	430
PCB-147/149	pg/L			DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668		3.3	430
PCB-153/168	pg/L			DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668		2.8	430
PCB-156	pg/L			26.7	26.7	26.7	EPA 1668		1.76	8.46
PCB-157	pg/L			5.81	5.81	5.81	EPA 1668		1.14	8.46
PCB-158	pg/L			DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26	EPA 1668		2.6	210
PCB-167	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		7.0	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		9.7	21
PCB-170	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		2.8	210
PCB-177	pg/L			DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668		2.5	210
PCB-18/30	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		6.5	430
PCB-180/193	pg/L			DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	EPA 1668		2.1	430
PCB-183	pg/L			DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		1.9	210
PCB-187	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		2.6	210
PCB-189	pg/L			ND	ND	ND	EPA 1668		6.5	21
PCB-194	pg/L			DNQ Est. Conc. 67	ND	DNQ Est. Conc. 67	EPA 1668		6.4	210
PCB-201	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668		1.7	210
PCB-206	pg/L			DNQ Est. Conc. 67	ND	DNQ Est. Conc. 67	EPA 1668		10	210
PCB-28	pg/L			209	209	209	EPA 1668		3.36	8.46
PCB-37	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		27	210
PCB-44	pg/L			167	167	167	EPA 1668		2.98	8.46
PCB-49/69	pg/L			DNQ Est. Conc. 220	ND	DNQ Est. Conc. 220	EPA 1668		3.0	430
PCB-52	pg/L			590	590	590	EPA 1668		3.9	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 380	ND	DNQ Est. Conc. 380	EPA 1668		4.0	860
PCB-66	pg/L			230	230	230	EPA 1668		4.6	210
PCB-77	pg/L			15.1	15.1	15.1	EPA 1668		2.76	8.46
PCB-81	pg/L			ND	ND	ND	EPA 1668		6.6	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260	EPA 1668		6.4	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 390	ND	DNQ Est. Conc. 390	EPA 1668		6.4	640
PCB-99	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		6.9	210
Pentachlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	6.4	10.0
Phenanthrene	ug/L		ND	ND	ND	ND	EPA 625	5	1.1	50.0
Phenol	ug/L		30.3	30.3	39.6	48.8	EPA 625	1	1.0	10.0
pH	SU	8.0	7.9	7.8	7.8	8.0	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	2.7	100
Selenium	ug/L	DNQ Est. Conc. 0.85	1.00	DNQ Est. Conc. 0.69	ND	1.62	EPA 200.8	2	0.04 - 0.17	1.00
Silver	ug/L		0.29	0.23	0.26	0.29	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01	0.05
Tetrachloroethylene	ug/L		0.79	DNQ Est. Conc. 0.18	0.40	0.79	EPA 624	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.40	0.25	0.50	EPA 624	2	0.19	0.50
Total chromium	ug/L		3.84	3.84	5.05	5.87	EPA 200.8	0.5	0.07 - 0.11	0.50
Total Suspended Solids	mg/L	294	315	294	318	348	SM 2540D		50.0 - 100	50.0 - 100
Toxaphene	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.08	0.5
Trichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L		109	109	135	161	EPA 200.8	1	0.60	1.00

(1) Compound was found in the blank and the sample.

(2) The reported result is the estimated maximum possible concentration of the analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant
2015 EFF-001 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		ND		ND				
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L		ND		ND		ND				
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND		ND		DNQ Est. Conc. 1.1				
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND		DNQ Est. Conc. 0.82		ND				
1,2,3,4,7,8-HexaCDD	pg/L		ND		ND		ND				
1,2,3,4,7,8-HexaCDF	pg/L		ND		ND		ND				
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND		ND				
1,2,3,6,7,8-HexaCDD	pg/L		ND		ND		ND				
1,2,3,6,7,8-HexaCDF	pg/L		ND		ND		ND				
1,2,3,7,8-PentaCDD	pg/L		ND		ND		ND				
1,2,3,7,8-PentaCDF	pg/L		ND		ND		ND				
1,2,3,7,8,9-HexaCDD	pg/L		ND		ND		ND				
1,2,3,7,8,9-HexaCDF	pg/L		ND		ND		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 (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		0.92		1.1		1.3				
2-Chloroethylvinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND		ND		ND				
2-Chlorophenol	ug/L		ND		ND		ND				
2-Methyl-4,6-dinitrophenol	ug/L		ND		ND		ND				
2-Nitrophenol	ug/L		ND		ND		ND				
2,3,4,6,7,8-HexaCDF	pg/L		ND		ND		ND				
2,3,4,7,8-PentaCDF	pg/L		ND		ND		ND				
2,3,7,8-TCDD	pg/L		ND		ND		ND				
2,3,7,8-TetraCDF	pg/L		ND		ND		ND				
2,4-Dichlorophenol	ug/L		ND		ND		ND				
2,4-Dimethylphenol	ug/L		ND		ND		ND				
2,4-Dinitrophenol	ug/L		ND		ND		ND				
2,4-Dinitrotoluene	ug/L		ND		ND		ND				
2,4,6-Trichlorophenol	ug/L		ND		DNQ Est. Conc. 0.22		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND		ND		ND				
3-Methyl-4-chlorophenol	ug/L		ND		ND		ND				
3,3'-Dichlorobenzidine	ug/L		ND		ND		ND				
4-Bromophenyl phenyl ether	ug/L		ND		ND		ND				
4-Chlorophenyl phenyl ether	ug/L		ND		ND		ND				
4-Nitrophenol	ug/L		ND		ND		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		ND		ND				
Acenaphthylene	ug/L		ND		ND		ND				
Acrolein	ug/L		ND		ND		ND				
Acrylonitrile	ug/L		ND		ND		ND				
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L		ND		ND		ND				
Ammonia nitrogen	mg/L	4.00	1.39	1.18	0.837	0.959	0.978	1.43	1.94	2.40	1.70

Pomona Water Reclamation Plant
2015 EFF-001 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 - 0.20	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.32	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 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.11	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	0.13 - 0.20	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.16	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 1.1	ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.14 - 1.1	51 - 60
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 0.45	ND	ND	DNQ Est. Conc. 0.82			EPA 1613B		0.11 - 1.7	51 - 60
1,2,3,4,7,8-HexaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.15 - 0.91	51 - 60
1,2,3,4,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.24 - 0.58	51 - 60
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.15 - 2.5	51 - 60
1,2,3,6,7,8-HexaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.15 - 0.83	51 - 60
1,2,3,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.20 - 0.51	51 - 60
1,2,3,7,8-PentaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.33 - 1.2	51 - 60
1,2,3,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 0.54	51 - 60
1,2,3,7,8,9-HexaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.13 - 0.74	51 - 60
1,2,3,7,8,9-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.14 - 0.47	51 - 60
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	0.50 - 5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene (Total)	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 - 0.16	0.50
1,4-Dioxane	ug/L			0.92	1.1	1.3			SW-846 8270MOD 1,4-Dioxane		0.04	0.40
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.16	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.15 - 0.43	51 - 60
2,3,4,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.20 - 0.66	51 - 60
2,3,7,8-TCDD	pg/L	ND	ND	ND	ND	ND			EPA 1613B		0.35 - 0.56	10 - 12
2,3,7,8-TetraCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.13 - 0.48	10 - 12
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.22			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	1.3 - 1.4	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	0.15 - 0.38	1.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND			EPA 624		0.20 - 0.92	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	0.0005 - 0.002	0.01
alpha-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	1.89	2.14	0.837	1.74	4.00	6.6(1)/8.4(2)	3.2(1)/4.1(2)	SM 4500 NH3 G		0.020 - 0.080	0.100 - 0.400

Pomona Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Anthracene	ug/L		ND		ND		ND				
Antimony	ug/L		DNQ Est. Conc. 0.37		DNQ Est. Conc. 0.43		DNQ Est. Conc. 0.45		0.54		
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		1.11		1.00		1.13		1.24		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L	ND	ND	ND	ND	ND	ND	ND		ND	
Benzo(a)anthracene	ug/L		ND		ND		ND				
Benzo(a)pyrene	ug/L		ND		ND		ND		ND		
Benzo(b)fluoranthene	ug/L		ND		ND		ND				
Benzo(g,h,i)perylene	ug/L		ND		ND		ND				
Benzo(k)fluoranthene	ug/L		ND		ND		ND				
Beryllium	ug/L		ND		ND		ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L		ND		ND		ND				
bis(2-chloroethoxy)methane	ug/L		ND		ND		ND				
bis(2-Chloroethyl) ether	ug/L		ND		ND		ND				
bis(2-Chloroisopropyl) ether	ug/L		ND		ND		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	0.29	0.27	0.25	0.28	0.25	0.29	0.27	0.24	0.30	0.27
Bromodichloromethane	ug/L	2.9	4.5	3.3	3.2	11.6	7.9	3.4	3.6	2.6	3.7
Bromoform	ug/L	ND	ND	DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.30	ND	ND	ND	DNQ Est. Conc. 0.11	ND
Butyl benzyl phthalate	ug/L		ND		ND		ND				
Cadmium	ug/L		DNQ Est. Conc. 0.040		DNQ Est. Conc. 0.11		ND		DNQ Est. Conc. 0.052		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	135	138	137	134	144	138	144	146	152	135
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	9.6	15.8	8.8	11	23.3	22.3	13.1	11.6	11.0	10.6
Chlorpyrifos	ug/L						ND				
Chromium III	ug/L		0.95		0.96		0.90				
Chromium VI	ug/L		0.05		DNQ Est. Conc. 0.04		0.12		0.11		
Chrysene	ug/L		ND		ND		ND				
Copper	ug/L		4.42		4.52		5.47		4.92		
Cyanide	ug/L		ND				DNQ Est. Conc. 2.3		DNQ Est. Conc. 2.3		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L		ND		ND		ND				
Di-n-octyl phthalate	ug/L		ND		ND		ND				
Diazinon	ug/L		ND		ND		ND				
Dibenzo(a,h)anthracene	ug/L		ND		ND		ND				
Dibromochloromethane	ug/L	0.56	0.85	0.66	ND	2.4	1.6	DNQ Est. Conc. 0.47	0.66	DNQ Est. Conc. 0.46	0.59
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		ND		ND		ND				
Dimethyl phthalate	ug/L		ND		ND		ND				
Dissolved oxygen	mg/L	7.0	ND	7.0	6.0	7.3	6.5	5.5	5.2	5.0	6.3
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND		ND		ND				
Endrin aldehyde	ug/L		ND		ND		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

Pomona Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L		DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.37	0.11	0.54			EPA 200.8	0.5	0.05 - 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		1.22	1.00	1.14	1.24			EPA 200.8	2	0.14 - 0.16	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L	ND	ND	ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 625/610/525.2	10	0.007 - 0.15	0.020 - 10.0
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	0.13 - 0.19	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	0.010 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND		4	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	2.0 - 3.0
Boron	mg/L	0.32	0.26	0.24	0.27	0.32		1	EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L	20.0	11.4	2.6	6.5	20.0			EPA 624	2	0.05 - 0.17	0.50
Bromoform	ug/L	0.84	ND	ND	0.070	0.84			EPA 624	2	0.08 - 0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.060	ND	ND	DNQ Est. Conc. 0.11			EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	149	148	134	142	152		180	EPA 300.0		0.100 - 0.600	4.00 - 8.00
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	23.7	17.1	8.8	15	23.7			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		1.00	0.90	0.95	1.00			EPA 200.8			0.50
Chromium VI	ug/L		0.05	DNQ Est. Conc. 0.04	0.07	0.12			EPA 218.6 (Dissolved)		0.01	0.05
Chrysene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		4.09	4.09	4.68	5.47			EPA 200.8	0.5	0.04 - 0.16	0.50
Cyanide	ug/L		DNQ Est. Conc. 1.3	ND	ND	DNQ Est. Conc. 2.3			SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.096	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	6.9	3.0	ND	1.4	6.9			EPA 624	2	0.04 - 0.14	0.50
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	6.1	7.4	ND	5.8	7.4			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 & SM 9223 Quanti-Tray		1.1	1.0 - 1.1
Endosulfan sulfate	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 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	0.12 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9221E & SM 9222D		1 - 1.8	1 - 1.8
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Fluorene	ug/L		ND		ND		ND				
Fluoride	mg/L		0.317		0.327		0.283		0.305		0.279
gamma-BHC	ug/L		ND		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		3.41		1.32		2.79		1.09		
Gross beta radioactivity	pCi/L		11.8		5.08		4.46		2.31		
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		ND		ND				
Hexachlorocyclopentadiene	ug/L		ND		ND		ND		ND		
Hexachloroethane	ug/L		ND		ND		ND				
Indeno (1,2,3-cd) pyrene	ug/L		ND		ND		ND				
Iron	ug/L		33.7		38.1		29.7		32.0		
Isophorone	ug/L		ND		ND		ND				
Lead	ug/L	0.39	0.35	0.33	0.50	0.32	0.36	0.34	0.35	0.43	0.36
Mercury	ug/L		0.0016		0.0012		0.0014		0.0035		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether	ug/L		ND		ND		ND		ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.26		ND		ND		ND		ND
N-Nitrosodi-n-propylamine	ug/L		ND		ND		ND				
n-Nitrosodimethylamine (NDMA)	ug/L	0.044	0.026	0.051	0.037	0.080	0.14	0.33	0.19	0.29	0.31
n-Nitrosodiphenylamine	ug/L		ND		ND		ND				
Naphthalene	ug/L		ND		ND		ND				
Nickel	ug/L		2.12		2.19		2.07		1.69		
Nitrate + nitrite as nitrogen	mg/L	5.96	7.53	7.39	7.51	8.01	6.07	7.02	7.25	7.81	8.06
Nitrate as nitrogen	mg/L	5.46	7.34	7.24	7.35	7.91	5.99	6.93	7.16	7.69	7.97
Nitrite as nitrogen	mg/L	0.495	0.190	0.152	0.17	0.095	0.083	0.087	0.094	0.12	0.084
Nitrobenzene	ug/L		ND		ND		ND				
OctaCDD	pg/L		DNQ Est. Conc. 9.8		DNQ Est. Conc. 3.7		DNQ Est. Conc. 6.6				
OctaCDF	pg/L		DNQ Est. Conc. 1.3		DNQ Est. Conc. 1.6		DNQ Est. Conc. 1.9				
Oil and grease	mg/L		ND				ND		ND		
Organic nitrogen	mg/L	1.64	ND	0.960	0.889	4.44	2.54	0.908	0.656	0.840	ND
Orthophosphate-P	mg/L		0.903		0.210		0.195		0.431		
PCB-105	pg/L						ND				
PCB-110/115	pg/L						DNQ Est. Conc. 8.2 (6)				
PCB-114	pg/L						ND				
PCB-118	pg/L						DNQ Est. Conc. 5.1 (6)				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-128/166	pg/L						ND				
PCB-129/138/163	pg/L						DNQ Est. Conc. 3.6 (6)				
PCB-135/151	pg/L						ND				
PCB-147/149	pg/L						DNQ Est. Conc. 3.5				
PCB-153/168	pg/L						DNQ Est. Conc. 3.1 (6)				
PCB-156/157	pg/L						ND				
PCB-158	pg/L						ND				
PCB-167	pg/L						ND				
PCB-169	pg/L						ND				
PCB-170	pg/L						ND				
PCB-177	pg/L						ND				
PCB-18/30	pg/L						DNQ Est. Conc. 39 (7)				
PCB-180/193	pg/L						ND				
PCB-183	pg/L						ND				
PCB-187	pg/L						ND				
PCB-189	pg/L						ND				
PCB-194	pg/L						ND				
PCB-20/28	pg/L						DNQ Est. Conc. 47 (6)				

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Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L		0.290	0.279	0.300	0.327			SM 4500 F C		0.003 - 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		1.37	1.09	2.00	3.41		15	EPA 900.0		0.747 - 2.03	0.747 - 2.03
Gross beta radioactivity	pCi/L		7.30	2.31	6.19	11.8			EPA 900.0		0.894 - 2.52	0.894 - 2.52
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	1	0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L		ND	ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L		23.9	23.9	31.5	38.1			EPA 200.8		3.0 - 5.0	20.0
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	0.27	0.30	0.27	0.36	0.50	166(3)		EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L		0.0012	0.0012	0.0018	0.0035			EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.21 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 524.2 & EPA 624		0.12 - 0.21	0.50 - 2.0
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.26			EPA 624	2	0.18 - 0.20	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625		0.0005 - 0.19	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.14	0.13	0.026	0.15	0.33			EPA 1625 (Modified)	5	0.0003 - 0.0005	0.0020
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 525.2 & EPA 625	1	0.042 - 0.18	0.50 - 1.0
Nickel	ug/L		1.59	1.59	1.93	2.19			EPA 200.8	1	0.10 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	7.74	7.54	5.96	7.32	8.06		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	7.66	7.34	5.46	7.17	7.97			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.080	0.196	0.080	0.15	0.495		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L		DNQ Est. Conc. 4.1	DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 9.8			EPA 1613B		0.15 - 0.90	100 - 120
OctaCDF	pg/L		DNQ Est. Conc. 1.8	DNQ Est. Conc. 1.3	ND	DNQ Est. Conc. 1.9			EPA 1613B		0.20 - 0.86	100 - 120
Oil and grease	mg/L		ND	ND	ND	ND	15	10	EPA 1664A		0.8 - 0.9	4.2 - 4.7
Organic nitrogen	mg/L	1.27	1.18	ND	1.28	4.44			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L		0.382	0.195	0.424	0.903			EPA 365.1		0.001	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.2	20
PCB-110/115	pg/L			DNQ Est. Conc. 8.2	ND	DNQ Est. Conc. 8.2			EPA 1668		1.1	410
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.2	20
PCB-118	pg/L			DNQ Est. Conc. 5.1	ND	DNQ Est. Conc. 5.1			EPA 1668		1.0	20
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.1	20
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.6	20
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		0.95	410
PCB-129/138/163	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		0.95	610
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		0.98	410
PCB-147/149	pg/L			DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		0.94	410
PCB-153/168	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1			EPA 1668		0.80	410
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.6	41
PCB-158	pg/L			ND	ND	ND			EPA 1668		0.74	200
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.1	20
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.5	20
PCB-170	pg/L			ND	ND	ND			EPA 1668		1.0	200
PCB-177	pg/L			ND	ND	ND			EPA 1668		0.89	200
PCB-18/30	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39			EPA 1668		5.2	410
PCB-180/193	pg/L			ND	ND	ND			EPA 1668		0.77	410
PCB-183	pg/L			ND	ND	ND			EPA 1668		1.1	200
PCB-187	pg/L			ND	ND	ND			EPA 1668		1.0	200
PCB-189	pg/L			ND	ND	ND			EPA 1668		1.5	20
PCB-194	pg/L			ND	ND	ND			EPA 1668		2.1	200
PCB-20/28	pg/L			DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47			EPA 1668		4.5	410

Pomona Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-201	pg/L						ND				
PCB-206	pg/L						ND				
PCB-37	pg/L						ND				
PCB-44/47/65	pg/L						DNQ Est. Conc. 22 (7)				
PCB-49/69	pg/L						DNQ Est. Conc. 9.6				
PCB-52	pg/L						DNQ Est. Conc. 31				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 17 (7)				
PCB-66	pg/L						DNQ Est. Conc. 5.8 (7)				
PCB-77	pg/L						ND				
PCB-81	pg/L						ND				
PCB-86/87/97/108/119/125	pg/L						DNQ Est. Conc. 3.6 (6)(7)				
PCB-90/101/113	pg/L						DNQ Est. Conc. 8.2 (6)				
PCB-99	pg/L						DNQ Est. Conc. 2.7 (6)(7)				
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		0.3		0.18			0.51	ND	0.72	1
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		DNQ Est. Conc. 0.28		DNQ Est. Conc. 0.27		DNQ Est. Conc. 0.32		DNQ Est. Conc. 0.20
pH	SU	7.3	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.4	7.4
Pyrene	ug/L		ND		ND		ND				
Selenium	ug/L	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.49	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.37
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND		ND		ND		DNQ Est. Conc. 0.02		
Strontium-90	pCi/L		ND		0.393		ND		ND		
Sulfate	mg/L	71.2	71.5	70.1	86.2	97.7	81.9	81.1	89.1	92.2	82.2
Surfactant (CTAS)	mg/L		ND				ND		ND		
Surfactant (MBAS)	mg/L		0.10		ND		ND		0.10		ND
Technical chlordane	ug/L		ND		ND		ND		ND		
Temperature	Degrees F	71.9	73.0	74.7	76.1	77.5	80.6	83.6	84.9	85.4	83.7
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND		ND		ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.06		ND		ND		ND		ND
Total chromium	ug/L		1.00		0.96		1.02		0.92		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	592	610	560	616	626	618	586	631	670	604
Total hardness	mg/L	218	218	215	224	228	223	227	236	231	218
Total Kjeldahl Nitrogen (TKN)	mg/L	5.64	1.54	2.14	1.73	5.40	3.52	2.34	2.60	3.24	1.80
Total nitrogen	mg/L	11.6	9.87	9.53	9.95	13.7	9.59	9.36	9.85	11.4	10.6
Total phosphorus	mg/L		1.52		0.315		0.277		0.479		
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	13.1	21.2	12.8	17.0	37.3	31.8	16.5	15.9	13.6	14.9
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L		ND		ND		ND				
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		ND		246		ND		176		
Turbidity (flow proportioned avg daily value)	NTU	0.54	0.46	0.47	0.49	0.51	0.81	0.50	0.54	0.43	0.46
Uranium	pCi/L		0.000		0.297		0.449		0.000		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		61.2		67.4		67.5		64.3		

Pomona Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.1	200
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.7	200
PCB-37	pg/L			ND	ND	ND			EPA 1668		4.3	200
PCB-44/47/65	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22			EPA 1668		1.7	610
PCB-49/69	pg/L			DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 9.6			EPA 1668		1.5	410
PCB-52	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31			EPA 1668		1.9	200
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17			EPA 1668		2.0	820
PCB-66	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668		2.3	200
PCB-77	pg/L			ND	ND	ND			EPA 1668		2.1	20
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.9	20
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		1.2	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 8.2	ND	DNQ Est. Conc. 8.2			EPA 1668		1.2	610
PCB-99	pg/L			DNQ Est. Conc. 2.7	ND	DNQ Est. Conc. 2.7			EPA 1668		1.3	200
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 515.3 & EPA 625	5	0.040 - 0.64	0.20 - 1.0
Perchlorate	ug/L	0.97	0.24	ND	0.5	1			EPA 331.0		0.0201 - 0.201	0.05 - 0.5
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		DNQ Est. Conc. 0.23	ND	ND	DNQ Est. Conc. 0.32			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.3	7.3	7.3	7.3	7.4			SM 4500 H+ B		1.00	4.00
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.48	DNQ Est. Conc. 0.37	ND	DNQ Est. Conc. 0.58	6.2(4)	4.7(4)	EPA 200.8	2	0.04 - 0.17	1.00
Settleable Solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		DNQ Est. Conc. 0.02	ND	ND	DNQ Est. Conc. 0.02			EPA 200.8	0.25	0.01 - 0.03	0.20
Strontium-90	pCi/L		0.188	ND	0.116	0.393		8	EPA 905.0		0.682	0.682
Sulfate	mg/L	94.3	75.7	70.1	82.8	97.7		300	EPA 300.0		0.120 - 0.440	1.00 - 2.00
Surfactant (CTAS)	mg/L		ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L		ND	ND	0.033	0.10		0.5	SM 5540C		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	78.0	73.4	71.9	78.6	85.4	86		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.06			EPA 624	2	0.06 - 0.19	0.50
Total chromium	ug/L		1.05	0.92	0.99	1.05			EPA 200.8	0.5	0.07 - 0.11	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(5)		SM 9221B & SM 9222B		1 - 1.8	1 - 1.8
Total dissolved solids	mg/L	593	616	560	610	670		750	SM 2540C		5.4 - 6.0	50.0 - 55.6
Total hardness	mg/L	213	214	213	222	236			EPA 200.8 & SM 2340C		0.01 - 0.70	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	3.16	3.32	1.54	3.04	5.64			EPA 351.2		0.270 - 0.338	0.400 - 0.500
Total nitrogen	mg/L	10.9	10.1	9.36	10.5	13.7			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L		0.460	0.277	0.610	1.52			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	51.4	31.5	12.8	23.1	51.4		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	84.4	246		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.50	0.52	0.43	0.52	0.81	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.288	0.000	0.207	0.449		20	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		68.2	61.2	65.7	68.2			EPA 200.8	1	0.22 - 0.66	1.00

(1) Limits apply when early life stage fish are present during the months of April 1 through September 30.

(2) Limits apply when early life stage fish are not present during the months of October 1 through March 31.

(3) Wet weather limits apply when the maximum daily flow in the San Gabriel River is greater than or equal to 260 cfs measured at USGS flow gauging 11087020 (RSW-004D).

(4) Dry weather limits apply when the maximum daily flow in the San Gabriel River is less than 260 cfs measured at USGS flow gauging 11087020 (RSW-004).

(5) Number of coliforms may not exceed 23/100 mL in more than one sample during any 30-day period and any sample cannot exceed 240/100mL.

(6) Compound was found in the blank and the sample.

(7) The reported result is the estimated maximum possible concentration of the analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND						ND		
1,1-Dichloroethene	ug/L		ND						ND		
1,1,1-Trichloroethane	ug/L		ND						ND		
1,1,2-Trichloroethane	ug/L		ND						ND		
1,1,2,2-Tetrachloroethane	ug/L		ND						ND		
1,2-Dichlorobenzene	ug/L		ND						ND		
1,2-Dichloroethane	ug/L		ND						ND		
1,2-Dichloropropane	ug/L		ND						ND		
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND						ND		
1,3-Dichlorobenzene	ug/L		ND						ND		
1,3-Dichloropropene (Total)	ug/L		ND						ND		
1,4-Dichlorobenzene	ug/L		ND						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND		
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,7,8-TCDD	pg/L										
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		ND						ND		
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4'-DDD	ug/L		ND						ND		
4,4'-DDE	ug/L		ND						ND		
4,4'-DDT	ug/L		ND						ND		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND						ND		
alpha-BHC	ug/L		ND						ND		
Anthracene	ug/L		ND						ND		
Antimony	ug/L		1.22						0.70		
Aroclor 1016	ug/L		ND						ND		
Aroclor 1221	ug/L		ND						ND		
Aroclor 1232	ug/L		ND						ND		
Aroclor 1242	ug/L		ND						ND		
Aroclor 1248	ug/L		ND						ND		
Aroclor 1254	ug/L		ND						ND		
Aroclor 1260	ug/L		ND						ND		
Arsenic	ug/L		3.18						2.79		
Benzene	ug/L		ND						ND		
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND						ND		

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L	ND		ND	ND	ND	EPA 1613B		0.21	10
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Anthracene	ug/L			ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L			0.70	0.96	1.22	EPA 200.8	0.5	0.07 - 0.13	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L			2.79	2.99	3.18	EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	1.5 - 1.9	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	2.2 - 2.3	100
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.040	0.25

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
beta-BHC	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 12.9						DNQ Est. Conc. 7.2		
Bromodichloromethane	ug/L		0.90						ND		
Bromoform	ug/L		1.5						DNQ Est. Conc. 0.19		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		0.37						DNQ Est. Conc. 0.12		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		1.5						DNQ Est. Conc. 0.17		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		7.8						4.1		
Chromium III	ug/L		6.41						4.62		
Chromium VI	ug/L		0.13						0.06		
Chromium, total	ug/L		6.54						4.67		
Chrysene	ug/L		ND						ND		
Copper	ug/L		123			63.8			43.0		
delta-BHC	ug/L		ND						ND		
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND						ND		
Diethyl phthalate	ug/L		DNQ Est. Conc. 7.0						DNQ Est. Conc. 5.6		
Dimethyl phthalate	ug/L		ND						ND		
Endosulfan II	ug/L		ND						ND		
Endosulfan I	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Ethylbenzene	ug/L		DNQ Est. Conc. 0.21						ND		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC (Lindane)	ug/L		ND						ND		
Heptachlor epoxide	ug/L		ND						ND		
Heptachlor	ug/L		ND						ND		
Hexachlorobenzene	ug/L		ND						ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND						ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Isophorone	ug/L		ND						ND		
Lead	ug/L		3.97			1.26	0.88		0.71	1.09	0.56
Mercury	ug/L		0.36						0.05		
Methyl bromide (Bromomethane)	ug/L		ND						ND		
Methyl chloride (Chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		2.3						DNQ Est. Conc. 0.36		
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND		
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		28.0						12.5		
Nitrobenzene	ug/L		ND						ND		
PCB-105	pg/L								93		
PCB-110/115	pg/L								DNQ Est. Conc. 260 (1)		
PCB-114	pg/L								DNQ Est. Conc. 6.4		

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 7.2	ND	DNQ Est. Conc. 12.9	EPA 625	5	1.7 - 2.5	20.0
Bromodichloromethane	ug/L			ND	0.45	0.90	EPA 624	2	0.17	0.50
Bromoform	ug/L			DNQ Est. Conc. 0.19	0.75	1.5	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L			DNQ Est. Conc. 0.12	0.19	0.37	EPA 200.8	0.25	0.030 - 0.040	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			DNQ Est. Conc. 0.17	0.75	1.5	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L			4.1	6.0	7.8	EPA 624	2	0.18	0.50
Chromium III	ug/L			4.62	5.52	6.41	EPA 200.8			0.50
Chromium VI	ug/L			0.06	0.10	0.13	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			4.67	5.61	6.54	EPA 200.8	0.5	0.07 - 0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.7	100
Copper	ug/L			43.0	76.6	123	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	1.4 - 1.5	100
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 7.0	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L			ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L			ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Isophorone	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L	0.96	0.59	0.56	1.3	3.97	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L			0.05	0.2	0.36	EPA 245.1	0.5	0.01	0.04
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.36	1.2	2.3	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L			12.5	20.3	28.0	EPA 200.8	1	0.12 - 0.13	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
PCB-105	pg/L			93	93	93	EPA 1668		6.0	21
PCB-110/115	pg/L			DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260	EPA 1668		4.7	410
PCB-114	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4	EPA 1668		5.9	21

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-118	pg/L								210 (1)		
PCB-123	pg/L								DNQ Est. Conc. 11		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								DNQ Est. Conc. 29		
PCB-129/138/163	pg/L								DNQ Est. Conc. 230 (1)		
PCB-135/151	pg/L								DNQ Est. Conc. 50		
PCB-147/149	pg/L								DNQ Est. Conc. 140		
PCB-153/168	pg/L								DNQ Est. Conc. 180 (1)		
PCB-156/157	pg/L								DNQ Est. Conc. 34		
PCB-158	pg/L								DNQ Est. Conc. 21		
PCB-167	pg/L								DNQ Est. Conc. 9.6		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 54		
PCB-177	pg/L								DNQ Est. Conc. 32		
PCB-18/30	pg/L								DNQ Est. Conc. 130		
PCB-180/193	pg/L								DNQ Est. Conc. 150		
PCB-183	pg/L								DNQ Est. Conc. 80		
PCB-187	pg/L								ND		
PCB-189	pg/L								DNQ Est. Conc. 28		
PCB-194	pg/L								DNQ Est. Conc. 28		
PCB-20/28	pg/L								DNQ Est. Conc. 220		
PCB-201	pg/L								DNQ Est. Conc. 4.3		
PCB-206	pg/L								DNQ Est. Conc. 23		
PCB-37	pg/L								DNQ Est. Conc. 42		
PCB-44	pg/L								DNQ Est. Conc. 167		
PCB-49/69	pg/L								DNQ Est. Conc. 120 (1)		
PCB-52	pg/L								330 (1)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 230 (1)		
PCB-66	pg/L								DNQ Est. Conc. 120		
PCB-77	pg/L								DNQ Est. Conc. 17		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119	pg/L								DNQ Est. Conc. 180		
PCB-90/101/113	pg/L								DNQ Est. Conc. 250 (1)		
PCB-99	pg/L								DNQ Est. Conc. 120		
Pentachlorophenol	ug/L		ND						ND		
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		33.5						31.2		
pH	SU	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.1	7.1
Pyrene	ug/L		ND						ND		
Selenium	ug/L		1.71			1.34	1.22		1.02	1.00	1.08
Silver	ug/L		1.04						DNQ Est. Conc. 0.19		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethene	ug/L		ND						ND		
Thallium	ug/L		ND						ND		
Toluene	ug/L		4.3						0.58		
Total BOD 20C	mg/L	310	305	308	282	401	368	315	348	352	271
Total cyanide	ug/L		5.5						ND		
Total suspended solids	mg/L	286	336	287	299	402	470	394	519	435	429
Toxaphene	ug/L		ND						ND		
trans-1,2-Dichloroethene	ug/L		ND						ND		
Trichloroethene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		302						76.3		

San Jose Creek East Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-118	pg/L			210	210	210	EPA 1668		5.6	21
PCB-123	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		5.5	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		6.8	21
PCB-128/166	pg/L			DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668		2.2	410
PCB-129/138/163	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		2.2	620
PCB-135/151	pg/L			DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50	EPA 1668		2.3	410
PCB-147/149	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		2.2	410
PCB-153/168	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		1.9	410
PCB-156/157	pg/L			DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34	EPA 1668		7.7	41
PCB-158	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668		1.8	210
PCB-167	pg/L			DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 9.6	EPA 1668		5.6	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		7.1	21
PCB-170	pg/L			DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668		1.7	210
PCB-177	pg/L			DNQ Est. Conc. 32	ND	DNQ Est. Conc. 32	EPA 1668		1.5	210
PCB-18/30	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		1.8	410
PCB-180/193	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		1.3	410
PCB-183	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 80	EPA 1668		1.4	210
PCB-187	pg/L			DNQ Est. Conc. 80	ND	ND	EPA 1668		2.7	21
PCB-189	pg/L			ND	ND	DNQ Est. Conc. 28	EPA 1668		2.1	210
PCB-194	pg/L			DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668		2.1	210
PCB-20/28	pg/L			DNQ Est. Conc. 220	ND	DNQ Est. Conc. 220	EPA 1668		9.9	410
PCB-201	pg/L			DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3	EPA 1668		0.86	210
PCB-206	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668		1.8	210
PCB-37	pg/L			DNQ Est. Conc. 42	ND	DNQ Est. Conc. 42	EPA 1668		13	210
PCB-44	pg/L			DNQ Est. Conc. 167	ND	DNQ Est. Conc. 167	EPA 1668		3.0	200
PCB-49/69	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		2.1	410
PCB-52	pg/L			330	330	330	EPA 1668		2.8	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		2.8	820
PCB-66	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		3.3	210
PCB-77	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		5.3	21
PCB-81	pg/L			ND	ND	ND	EPA 1668		4.6	21
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		5.5	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668		5.5	620
PCB-99	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		5.9	210
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0
Phenol	ug/L			31.2	32.4	33.5	EPA 625	1	1.0 - 1.4	10.0
pH	SU	7.4	7.2	7.0	7.2	7.4	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L	1.18	DNQ Est. Conc. 0.65	DNQ Est. Conc. 0.65	1.1	1.71	EPA 200.8	2	0.04 - 0.17	1.00
Silver	ug/L			DNQ Est. Conc. 0.19	0.52	1.04	EPA 200.8	0.25	0.01 - 0.03	0.20
Technical Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L			0.58	2.4	4.3	EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	341	473	271	340	473	SM 5210B		0.6	100 - 200
Total cyanide	ug/L			ND	2.8	5.5	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	507	527	286	408	527	SM 2540D		80.6 - 100	80.6 - 100
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L			76.3	189	302	EPA 200.8	1	0.66 - 1.10	1.00 - 5.00

(1) Compound was found in the blank and the sample.

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek East Water Reclamation Plant
2015 EFF-002 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-Dichloroethene	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		ND				ND		
1,2,3-Trichloropropane	ug/L		ND		ND				ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 2.7		DNQ Est. Conc. 0.85				DNQ Est. Conc. 2.0		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.6		DNQ Est. Conc. 0.80				ND		
1,2,3,4,7,8-HexaCDD	pg/L		ND		DNQ Est. Conc. 0.17				ND		
1,2,3,4,7,8-HexaCDF	pg/L		ND		DNQ Est. Conc. 0.39				ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND				ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND		DNQ Est. Conc. 0.39				ND		
1,2,3,6,7,8-HexaCDF	pg/L		ND		DNQ Est. Conc. 0.29				ND		
1,2,3,7,8-PentaCDD	pg/L		ND		ND				ND		
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 0.61		DNQ Est. Conc. 0.63				ND		
1,2,3,7,8,9-HexaCDD	pg/L		ND		DNQ Est. Conc. 0.36				ND		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.7		DNQ Est. Conc. 0.29				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 (Total)	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		0.87		0.87				0.84		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND		ND				ND		
2-Chlorophenol	ug/L		ND		ND				ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND		ND				ND		
2-Nitrophenol	ug/L		ND		ND				ND		
2,3,4,6,7,8-HexaCDF	pg/L		ND		DNQ Est. Conc. 0.31				ND		
2,3,4,7,8-PentaCDF	pg/L		ND		ND				ND		
2,3,7,8-TCDD	pg/L		ND		ND				ND		
2,3,7,8-TetraCDF	pg/L		ND		DNQ Est. Conc. 0.51				DNQ Est. Conc. 1.8		
2,4-Dichlorophenol	ug/L		ND		ND				ND		
2,4-Dimethylphenol	ug/L		ND		ND				ND		
2,4-Dinitrophenol	ug/L		ND		ND				ND		
2,4-Dinitrotoluene	ug/L		ND		ND				ND		
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.30		DNQ Est. Conc. 0.17		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND		ND				ND		
3-Methyl-4-chlorophenol	ug/L		ND		ND				ND		
3,3'-Dichlorobenzidine	ug/L		ND		ND				ND		
4-Bromophenyl phenyl ether	ug/L		ND		ND				ND		
4-Chlorophenyl phenyl ether	ug/L		ND		ND				ND		
4-Nitrophenol	ug/L		ND		ND				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		ND				ND		
Acenaphthylene	ug/L		ND		ND				ND		
Acrolein	ug/L		ND		ND				ND		
Acrylonitrile	ug/L		ND		ND				ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
Ammonia as nitrogen	mg/L	1.25	0.992	0.895	0.815	1.30	1.36	1.29	0.959	1.28	1.29
Anthracene	ug/L		ND		ND				ND		

San Jose Creek East Water Reclamation Plant
2015 EFF-002 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	0.20	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 0.85	ND	DNQ Est. Conc. 2.7			EPA 1613B		0.31 - 1.2	62 - 77
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.23 - 0.57	62 - 77
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.17			EPA 1613B		0.16 - 0.85	62 - 77
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.39			EPA 1613B		0.12 - 0.49	62 - 77
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.29 - 0.91	62 - 77
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.39			EPA 1613B		0.18 - 0.73	62 - 77
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.29			EPA 1613B		0.12 - 0.43	62 - 77
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.48 - 1.0	62 - 77
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.63			EPA 1613B		0.18 - 0.53	62 - 77
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.36			EPA 1613B		0.15 - 0.68	62 - 77
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.11 - 0.57	62 - 77
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	0.50 - 5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L			0.84	0.86	0.87			SW-846 8270MOD 1,4-Dioxane		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.31			EPA 1613B		0.11 - 0.43	62 - 77
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.17 - 0.66	62 - 77
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 0.84	10 - 15
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.14 - 0.55	12 - 15
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.30			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.002	0.01
Ammonia as nitrogen	mg/L	1.22	1.14	0.815	1.15	1.36	5.1(1)/8.6(2)/6.1(3)/7.8(4)	3.5(1)/4.4(2)/4.2(3)/5.4(4)	SM 4500 NH3 G		0.020 - 0.040	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September	October
Antimony	ug/L		0.51		0.66	0.56			0.60		
Aroclor 1016	ug/L		ND		ND				ND		ND
Aroclor 1221	ug/L		ND		ND				ND		ND
Aroclor 1232	ug/L		ND		ND				ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND				ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND				ND		ND
Arsenic	ug/L		1.12		1.56	1.64	1.57		2.12		
Barium	ug/L		38.7		87.6		80.0		84.6		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND		ND				ND		
Benzo(a)anthracene	ug/L		ND		ND				ND		
Benzo(a)pyrene	ug/L		ND		ND				ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND		ND				ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND		ND	ND			ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
bis(2-Chloroethoxy) methane	ug/L		ND		ND				ND		
bis(2-Chloroethyl) ether	ug/L		ND		ND				ND		
bis(2-Chloroisopropyl) ether	ug/L		ND		ND				ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.36	0.32	0.32	0.33	0.30	0.33	0.31	0.26	0.31	0.31
Bromodichloromethane	ug/L		7.8		5.4		25.3		24.0	18.8	18.8
Bromoform	ug/L		DNQ Est. Conc. 0.45		ND		0.99		0.65	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.37
Butyl benzyl phthalate	ug/L		ND		ND				ND		
Cadmium	ug/L		ND		ND	ND	ND		DNQ Est. Conc. 0.033		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	159	162	169	162	155	160	159	162	153	158
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L		2.1		1.2		9.1		7.3	5.5	6.0
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L		18.7		14.8		34.0		42.6	26.5	28.2
Chromium III	ug/L		0.60		0.51	0.57	0.56		0.82		
Chromium VI	ug/L		0.08		0.06	0.12	0.19		0.20		
Chromium, total (24-hour composite)	ug/L		1.12		0.64	0.63	0.71		0.81		
Chromium, total	ug/L		0.68		0.57	0.68	0.75		1.02		
Chrysene	ug/L		ND						ND		
Copper	ug/L	2.97	4.83	3.24	3.09	3.53	3.58		3.79		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Demeton (total)	ug/L			ND					ND		
Di-n-butyl phthalate	ug/L		ND		ND				ND		
Di-n-octyl phthalate	ug/L		ND		ND				ND		
Diazinon	ug/L		ND	ND	ND				ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		DNQ Est. Conc. 0.25		ND				ND		
Dimethyl phthalate	ug/L		ND		ND				ND		
Dissolved oxygen	mg/L	6.7	4.6	6.4	6.8	5.4	5.4	6.0	5.1	5.1	4.9
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND		ND				ND		
Endosulfan I	ug/L		ND		ND				ND		
Endosulfan sulfate	ug/L		ND		ND				ND		
Endrin aldehyde	ug/L		ND		ND				ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Antimony	ug/L		0.51	0.51	0.57	0.66			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	ug/L		2.15	1.12	1.69	2.15			EPA 200.8	2	0.14 - 0.16	1.00
Barium	ug/L		78.9	38.7	74.0	87.6			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 610/625/525.2	10	0.007 - 0.15	0.020 - 10.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	0.098(5)	0.049(5)	EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.32	0.31	0.26	0.32	0.36		1.0	EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L	22.5	21.3	5.4	18	25.3			EPA 624	2	0.17	0.50
Bromoform	ug/L	0.52	0.65	ND	0.35	0.99			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L		ND	ND	ND	DNQ Est. Conc. 0.033			EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Chloride	mg/L	172	168	153	162	172		180	EPA 300.0		0.200 - 0.600	8.00
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	6.8	7.3	1.2	5.7	9.1			EPA 624	2	0.14	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	31.5	35.1	14.8	28.9	42.6			EPA 624	2	0.18	0.50
Chromium III	ug/L		0.52	0.51	0.60	0.82			EPA 200.8			0.50
Chromium VI	ug/L		0.06	0.06	0.1	0.20			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (24-hour composite)	ug/L		0.64	0.63	0.76	1.12			EPA 200.8	0.5	0.04 - 0.11	0.50
Chromium, total	ug/L		0.58	0.57	0.71	1.02			EPA 200.8	0.5	0.04 - 0.11	0.50
Chrysene	ug/L			ND	ND	ND	0.098(5)	0.049(5)	EPA 610	10	0.005	0.020
Copper	ug/L	3.44	2.67	2.67	3.46	4.83			EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.004	0.005
Demeton (total)	ug/L			ND	ND	ND			SW-846 8141A			
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			ND	ND	ND			EPA 525.2 & SW-846 8141A		0.0060 - 0.096	0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098(5)	0.049(5)	EPA 610	10	0.004	0.020
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.25			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	5.7	6.6	4.6	5.7	6.8			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 & SM 9223 Quanti-Tray		1.1	1.0 - 1.1
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September	October
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		ND				ND		
Fluoride	mg/L		0.498		0.511		0.457		0.456		0.450
gamma-BHC (Lindane)	ug/L		ND		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		3.28		0.546		1.33		ND		
Gross beta radioactivity	pCi/L		3.39		0.718		5.67		2.59		
Guthion	ug/L			ND							
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND		ND				ND		
Hexachlorobutadiene	ug/L		ND		ND				ND		
Hexachlorocyclopentadiene	ug/L		ND		ND				ND		
Hexachloroethane	ug/L		ND		ND				ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		35		36		33		34		
Isophorone	ug/L		ND		ND				ND		
Lead	ug/L	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.16	0.27	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.21
Malathion	ug/L			ND							
Mercury	ug/L		0.0014		0.00097		0.0011		0.0017		
Methoxychlor	ug/L		ND		ND		ND		ND		ND
Methyl bromide (Bromomethane)	ug/L		ND		ND		1.4		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether (MTBE)	ug/L		ND		ND				ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.29		ND		DNQ Est. Conc. 0.19		DNQ Est. Conc. 0.47		ND
Mirex	ug/L		ND		ND						
n-Nitrosodi-n-propylamine	ug/L		ND		ND	ND			ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.18	0.31	0.11	0.39	0.044	0.029	0.0090	0.034	0.039	0.025
n-Nitrosodiphenylamine	ug/L		ND		ND				ND		
Naphthalene	ug/L		ND		ND				ND		
Nickel	ug/L		1.57		4.24	2.56	4.08		3.00		
Nitrate + nitrite as nitrogen	mg/L						5.27	5.49	5.50	5.58	6.30
Nitrate as nitrogen	mg/L	4.43	6.29	5.00	3.47	4.78	5.22	5.46	5.48	5.55	6.30
Nitrite as nitrogen	mg/L	0.078	0.033	0.039	0.035	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L		ND		ND				ND		
OctaCDD	pg/L		DNQ Est. Conc. 45		DNQ Est. Conc. 4.5				DNQ Est. Conc. 22		
OctaCDF	pg/L		DNQ Est. Conc. 5.4		DNQ Est. Conc. 0.62				ND		
Oil and grease	mg/L	ND	ND	2.1	ND	ND			ND		
Organic nitrogen	mg/L	1.61	1.11	1.03	1.64	1.10	1.58	1.15	2.38	1.42	1.37
Orthophosphate-P	mg/L						0.333	0.258	0.260	0.248	0.288
Parathion	ug/L			ND							
PCB-105	pg/L								DNQ Est. Conc. 3.2		
PCB-110/115	pg/L								DNQ Est. Conc. 11 (11)		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 6.4		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 4.9		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								DNQ Est. Conc. 4.3 (11)		
PCB-153/168	pg/L								DNQ Est. Conc. 4.0		
PCB-156/157	pg/L								ND		
PCB-158	pg/L								ND		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND		

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9221E & SM 9222D		1 - 1.8	1 - 1.8
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L		0.475	0.450	0.475	0.511			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.0009	0.01
Gross alpha radioactivity	pCi/L		3.39	ND	1.71	3.39		15(5)	EPA 900.0		0.810 - 2.53	0.810 - 2.53
Gross beta radioactivity	pCi/L		4.80	0.718	3.43	5.67			EPA 900.0		0.895 - 2.13	0.895 - 2.13
Guthion	ug/L			ND	ND	ND			SW-846 8141A		0.0070	0.10
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	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	1	0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	0.098(5)	0.049(5)	EPA 610	10	0.004	0.020
Iron	ug/L		24	24	32	36			EPA 200.8		3 - 5	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.16	0.023	0.27	19(6)/166(7)	5.9(6)	EPA 200.8	0.5	0.01 - 0.03	0.25
Malathion	ug/L			ND	ND	ND			SW-846 8141A		0.23	0.25
Mercury	ug/L		0.00098	0.00097	0.0012	0.0017			EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.00050
Methoxychlor	ug/L		ND	ND	ND	ND			EPA 608		0.001	0.01
Methyl bromide (Bromomethane)	ug/L		ND	ND	0.23	1.4			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L		ND	ND	ND	ND			EPA 524.2 & EPA 624		0.12 - 0.19	0.50 - 2.0
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.47			EPA 624	2	0.18	0.50
Mirex	ug/L			ND	ND	ND			EPA 608		0.003	0.05
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.19	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.028	0.083	0.0090	0.11	0.39			EPA 1625 (Modified)	5	0.0003 - 0.0005	0.0020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 525.2 & EPA 625	1	0.042 - 0.18	0.50 - 1.0
Nickel	ug/L		3.27	1.57	3.12	4.24			EPA 200.8	1	0.10 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	7.71	4.56	4.56	5.77	7.71		8(5)	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	7.68	4.54	3.47	5.35	7.68			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.030	ND	ND	0.018	0.078		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 45			EPA 1613B		0.33 - 1.3	120 - 150
OctaCDF	pg/L			ND	ND	DNQ Est. Conc. 5.4			EPA 1613B		0.32 - 1.1	120 - 150
Oil and grease	mg/L	ND		ND	0.30	2.1	15	10	EPA 1664A		0.8 - 0.9	1.0 - 4.5
Organic nitrogen	mg/L	1.38	2.10	1.03	1.49	2.38			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.506	0.414	0.248	0.330	0.506			EPA 365.1		0.001	0.030
Parathion	ug/L			ND	ND	ND			SW-846 8141A		0.085	0.25
PCB-105	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2			EPA 1668		1.8	21
PCB-110/115	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		1.4	420
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.6	21
PCB-118	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4			EPA 1668		1.5	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.5	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		2.6	21
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.6	420
PCB-129/138/163	pg/L			DNQ Est. Conc. 4.9	ND	DNQ Est. Conc. 4.9			EPA 1668		1.6	630
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		1.6	420
PCB-147/149	pg/L			DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3			EPA 1668		1.6	420
PCB-153/168	pg/L			DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668		1.3	420
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		1.4	42
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.2	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.0	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		1.5	21
PCB-170	pg/L			ND	ND	ND			EPA 1668		1.2	210

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September	October
PCB-177	pg/L								ND		
PCB-18/30	pg/L								DNQ Est. Conc. 18		
PCB-180/193	pg/L								ND		
PCB-183	pg/L								ND		
PCB-187	pg/L								ND		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-20/28	pg/L								DNQ Est. Conc. 19		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								ND		
PCB-44/47/65	pg/L								DNQ Est. Conc. 150 (11)		
PCB-49/69	pg/L								DNQ Est. Conc. 9.5		
PCB-52	pg/L								DNQ Est. Conc. 26(11)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 16(11)		
PCB-66	pg/L								DNQ Est. Conc. 7.7		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								ND		
PCB-90/101/113	pg/L								DNQ Est. Conc. 10 (11)		
PCB-99	pg/L								DNQ Est. Conc. 3.6		
PCBs as arochlors	ug/L		ND		ND		ND		ND		ND
PCBs as congeners	pg/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L		0.31		0.52				0.31	0.59	0.47
pH (Reuse)	SU	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1	7.1
pH (SJC)	SU	7.1	7.0	7.0	7.1	7.1		7.0	7.0	7.2	7.1
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.18		DNQ Est. Conc. 0.22		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.18
Pyrene	ug/L		ND		ND				ND		
Selenium	ug/L	DNQ Est. Conc. 0.51	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.64	DNQ Est. Conc. 0.61	DNQ Est. Conc. 0.53	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.39	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.31
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND		ND	ND	ND		ND		
Strontium-90	pCi/L		0.543		ND		ND		ND		
Sulfate	mg/L	130	141	146	143	151	146	127	130	131	125
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			ND		
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND		ND		ND
Technical Chlordane	ug/L		ND		ND				ND		
Temperature (SJC)	Degrees F	75.1	75.0	75.8	77.3	78.6		84.2	85.5	86.2	84.1
Tetrachloroethene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND		ND	ND			ND		
Toluene	ug/L		ND		ND		ND		ND		ND
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND			DNQ Est. Conc. 2.71			DNQ Est. Conc. 2.58		
Total dissolved solids	mg/L	689	727	681	717	748	734	674	708	732	702
Total hardness (CaCO3)	mg/L	236	245	251	253	261	261	233	240	238	251
Total Kjeldahl Nitrogen (TKN)	mg/L						2.94	2.44	3.34	2.70	2.66
Total nitrogen	mg/L	7.37	8.42	6.96	5.96	7.20	7.62	7.93	8.84	8.28	8.96
Total phosphorus	mg/L						0.404	0.297	0.320	0.308	0.352
Total residual chlorine (SJC)	mg/L	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		28.6		21.4		69.4		74.5	50.8	53.0
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L		ND		ND				ND		

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-177	pg/L			ND	ND	ND			EPA 1668		1.1	210
PCB-18/30	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18			EPA 1668		2.8	420
PCB-180/193	pg/L			ND	ND	ND			EPA 1668		0.92	420
PCB-183	pg/L			ND	ND	ND			EPA 1668		0.84	210
PCB-187	pg/L			ND	ND	ND			EPA 1668		0.99	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		2.1	210
PCB-194	pg/L			ND	ND	ND			EPA 1668		2.1	210
PCB-20/28	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19			EPA 1668		3.5	420
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.3	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.4	210
PCB-37	pg/L			ND	ND	ND			EPA 1668		4.8	210
PCB-44/47/65	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150			EPA 1668		1.5	630
PCB-49/69	pg/L			DNQ Est. Conc. 9.5	ND	DNQ Est. Conc. 9.5			EPA 1668		1.3	420
PCB-52	pg/L			DNQ Est. Conc. 26	ND	DNQ Est. Conc. 26			EPA 1668		1.7	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		1.7	840
PCB-66	pg/L			DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7			EPA 1668		2.0	210
PCB-77	pg/L			ND	ND	ND			EPA 1668		2.7	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		2.4	21
PCB-86/87/97/108/119/125	pg/L			ND	ND	ND			EPA 1668		1.6	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		1.6	630
PCB-99	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		1.7	210
PCBs as arochlors	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 515.3 & EPA 625	5	0.040 - 0.64	0.20 - 1.0
Perchlorate	ug/L	0.23	0.089	0.089	0.36	0.59			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.1	7.1	7.0	7.1	7.1			SM 4500 H+ B		1.00	4.00
pH (SJC)	SU	7.1	7.0	7.0	7.1	7.2			SM 4500 H+ B		1.00	4.00
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.22			EPA 625	1	0.10 - 0.14	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.31	ND	DNQ Est. Conc. 0.64	7.1(6)/6.5(8)	4.4(6)/4.6(8)	EPA 200.8	2	0.04 - 0.17	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	ND			EPA 200.8	0.25	0.01 - 0.03	0.20
Strontium-90	pCi/L		0.000	ND	ND	0.543		8	EPA 905.0		0.682	0.682
Sulfate	mg/L	154	159	125	140	159		300	EPA 300.0		0.240 - 0.440	2.00
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical Chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01	0.05
Temperature (SJC)	Degrees F	80.1	76.6	75.0	79.9	86.2	86(9)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L		ND	ND	ND	ND			EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(10)		SM 9221B & SM 9222B		1 - 1.8	1 - 1.8
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND			SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 2.75		ND	ND	ND			SM 4500 CN E	5	0.0010 - 1000	0.0050 - 5000
Total dissolved solids	mg/L	718	749	674	715	749		750	SM 2540C		6.0 - 9.0	55.6 - 83.3
Total hardness (CaCO3)	mg/L	240	241	233	246	261			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.60	3.24	2.44	2.85	3.34			EPA 351.2		0.135 - 0.270	0.200 - 0.400
Total nitrogen	mg/L	10.3	7.80	5.96	7.97	10.3			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.590	0.476	0.297	0.392	0.590			EPA 365.1		0.001	0.030
Total residual chlorine (SJC)	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	61.3	55.1	21.4	51.8	74.5		80(5)	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June *	July	August	September	October
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND		ND
Trichloroethene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		ND		ND		ND		176		
Turbidity (flow proportioned avg daily value)	NTU	0.47	0.48	0.50	0.40	0.37	0.45	0.50	0.46	0.39	0.41
Uranium	pCi/L		0.733		ND		0.907		0.000		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		54.2		51.1	46.9	44.3		46.6		

San Jose Creek East Water Reclamation Plant
2015 EFF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
trans-1,2-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Tritium	pCi/L		ND	ND	35.2	176		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.48	0.48	0.37	0.45	0.50	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.575	ND	0.575	0.907		20(5)	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L		45.0	44.3	48.0	54.2			EPA 200.8	1	0.22 - 0.66	1.00

* No discharge present at EFF-002 during this month.

(1) Effluent ammonia limit effective from April 1 to September 30 per Order No. R4-2009-0078 in effect until May 31, 2015.

(2) Effluent ammonia limit effective from October 1 to March 31 per Order No. R4-2009-0078 in effect until May 31, 2015.

(3) Effluent ammonia limit effective from April 1 to September 30 per Order No. R4-2015-0070 in effect starting June 1, 2015.

(4) Effluent ammonia limit effective from October 1 to March 31 per Order No. R4-2015-0070 in effect starting June 1, 2015.

(5) Permit limit in Order No. R4-2015-0070 in effect starting July 1, 2015.

(6) Permit limit in Order No. R4-2009-0078 in effect until June 30, 2015.

(7) Wet weather effluent limit per Order No. R4-2015-0070 in effect starting July 1, 2015.

(8) Dry weather effluent limit per Order No. R4-2015-0070 in effect starting July 1, 2015.

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

(10) Total coliform cannot exceed 23/100 mL in more than one sample during any 30-day period.

(11) Compound was found in the blank and the sample.

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek West Water Reclamation Plant
2015 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND						ND		
1,1-Dichloroethene	ug/L		ND						ND		
1,1,1-Trichloroethane	ug/L		ND						ND		
1,1,2-Trichloroethane	ug/L		ND						ND		
1,1,2,2-Tetrachloroethane	ug/L		ND						ND		
1,2-Dichlorobenzene	ug/L		ND						ND		
1,2-Dichloroethane	ug/L		ND						ND		
1,2-Dichloropropane	ug/L		ND						ND		
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND						ND		
1,3-Dichlorobenzene	ug/L		ND						ND		
1,3-Dichloropropene (Total)	ug/L		ND						ND		
1,4-Dichlorobenzene	ug/L		ND						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND		
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,7,8-TCDD	pg/L										
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		ND						ND		
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4'-DDD	ug/L		ND						ND		
4,4'-DDE	ug/L		ND						ND		
4,4'-DDT	ug/L		ND						ND		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND						ND		
alpha-BHC	ug/L		ND						ND		
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.86						0.52		
Aroclor 1016	ug/L		ND						ND		
Aroclor 1221	ug/L		ND						ND		
Aroclor 1232	ug/L		ND						ND		
Aroclor 1242	ug/L		ND						ND		
Aroclor 1248	ug/L		ND						ND		
Aroclor 1254	ug/L		ND						ND		
Aroclor 1260	ug/L		ND						ND		
Arsenic	ug/L		2.02						1.32		
Benzene	ug/L		ND						ND		
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND						ND		

San Jose Creek West Water Reclamation Plant
2015 INF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L	ND		ND	ND	ND	EPA 1613B		0.23	9.8
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Anthracene	ug/L			ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L			0.52	0.69	0.86	EPA 200.8	0.5	0.07 - 0.13	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L			1.32	1.67	2.02	EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	1.5 - 1.9	100
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	2.2 - 2.3	100
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.040	0.25

Parameter	Units	January	February	March	April	May	June	July	August	September	October
beta-BHC	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 16.5						DNQ Est. Conc. 7.3		
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.27						ND		
Bromoform	ug/L		ND						ND		
Butyl benzyl phthalate	ug/L		DNQ Est. Conc. 7.3						ND		
Cadmium	ug/L		0.24						0.24		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.21						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		2.0						1.2		
Chromium III	ug/L		8.77						3.54		
Chromium VI	ug/L		0.09						0.10		
Chromium, total	ug/L		8.86						3.64		
Chrysene	ug/L		ND						ND		
Copper	ug/L		95.1						43.2		
delta-BHC	ug/L		ND						ND		
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND						ND		
Diethyl phthalate	ug/L		DNQ Est. Conc. 5.7						DNQ Est. Conc. 3.7		
Dimethyl phthalate	ug/L		ND						ND		
Endosulfan II	ug/L		ND						ND		
Endosulfan I	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Ethylbenzene	ug/L		ND						ND		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC (Lindane)	ug/L		ND						ND		
Heptachlor epoxide	ug/L		ND						ND		
Heptachlor	ug/L		ND						ND		
Hexachlorobenzene	ug/L		ND						ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND						ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Isophorone	ug/L		ND						ND		
Lead	ug/L		3.10				0.91		0.78	0.81	0.54
Mercury	ug/L		0.15						DNQ Est. Conc. 0.03		
Methyl bromide (Bromomethane)	ug/L		ND						ND		
Methyl chloride (Chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.37						ND		
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND		
n-Nitrosodiphenylamine	ug/L		ND						DNQ Est. Conc. 7.5		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		5.01						2.77		
Nitrobenzene	ug/L		ND						ND		
PCB-105	pg/L								62		
PCB-110/115	pg/L								DNQ Est. Conc. 190 (1)		
PCB-114	pg/L								ND		

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 7.3	ND	DNQ Est. Conc. 16.5	EPA 625	5	1.7 - 2.5	20.0
Bromodichloromethane	ug/L			ND	ND	DNQ Est. Conc. 0.27	EPA 624	2	0.17	0.50
Bromoform	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 7.3	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L			0.24	0.24	0.24	EPA 200.8	0.25	0.030 - 0.040	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L			ND	ND	DNQ Est. Conc. 0.21	EPA 624	2	0.14	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L			1.2	1.6	2.0	EPA 624	2	0.18	0.50
Chromium III	ug/L			3.54	6.16	8.77	EPA 200.8			0.50
Chromium VI	ug/L			0.09	0.10	0.10	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			3.64	6.25	8.86	EPA 200.8	0.5	0.07 - 0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.7	100
Copper	ug/L			43.2	69.2	95.1	EPA 200.8	0.5	0.08 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	1.4 - 1.5	100
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 5.7	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L			ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.01
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Isophorone	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L	1.72	0.61	0.54	1.2	3.10	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L			DNQ Est. Conc. 0.03	0.08	0.15	EPA 245.1	0.5	0.01	0.04
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L			ND	ND	DNQ Est. Conc. 0.37	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L			ND	ND	DNQ Est. Conc. 7.5	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L			2.77	3.89	5.01	EPA 200.8	1	0.12 - 0.13	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
PCB-105	pg/L			62	62	62	EPA 1668		5.1	21
PCB-110/115	pg/L			DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		4.0	410
PCB-114	pg/L			ND	ND	ND	EPA 1668		4.9	21

San Jose Creek West Water Reclamation Plant
2015 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-118	pg/L								150 (1)		
PCB-123	pg/L								DNQ Est. Conc. 7.0		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								DNQ Est. Conc. 20		
PCB-129/138/163	pg/L								DNQ Est. Conc. 170 (1)		
PCB-135/151	pg/L								DNQ Est. Conc. 41		
PCB-147/149	pg/L								DNQ Est. Conc. 110		
PCB-153/168	pg/L								DNQ Est. Conc. 140 (1)		
PCB-156/157	pg/L								DNQ Est. Conc. 21		
PCB-158	pg/L								DNQ Est. Conc. 17		
PCB-167	pg/L								DNQ Est. Conc. 6.6		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 39		
PCB-177	pg/L								DNQ Est. Conc. 19		
PCB-18/30	pg/L								DNQ Est. Conc. 93		
PCB-180/193	pg/L								DNQ Est. Conc. 100		
PCB-183	pg/L								DNQ Est. Conc. 29		
PCB-187	pg/L								DNQ Est. Conc. 57		
PCB-189	pg/L								ND		
PCB-194	pg/L								DNQ Est. Conc. 20		
PCB-20/28	pg/L								DNQ Est. Conc. 150		
PCB-201	pg/L								DNQ Est. Conc. 3.1		
PCB-206	pg/L								DNQ Est. Conc. 16		
PCB-37	pg/L								DNQ Est. Conc. 40		
PCB-44/47/65	pg/L								DNQ Est. Conc. 360 (1)		
PCB-49/69	pg/L								DNQ Est. Conc. 71 (1)		
PCB-52	pg/L								220 (1)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 210 (1)		
PCB-66	pg/L								DNQ Est. Conc. 100		
PCB-77	pg/L								DNQ Est. Conc. 7.1		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119	pg/L								DNQ Est. Conc. 120		
PCB-90/101/113	pg/L								DNQ Est. Conc. 180 (1)		
PCB-99	pg/L								DNQ Est. Conc. 81		
Pentachlorophenol	ug/L		ND						ND		
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		27.0						10.6		
pH	SU	7.6	7.5	7.4	7.5	7.4	7.6	7.6	7.5	7.4	7.5
Pyrene	ug/L		ND						ND		
Selenium	ug/L		1.05				DNQ Est. Conc. 0.78		DNQ Est. Conc. 0.64	DNQ Est. Conc. 0.61	DNQ Est. Conc. 0.59
Silver	ug/L		1.24						DNQ Est. Conc. 0.14		
Technical Chlordane	ug/L		ND						ND		
Tetrachloroethene	ug/L		DNQ Est. Conc. 0.49						DNQ Est. Conc. 0.29		
Thallium	ug/L		ND						ND		
Toluene	ug/L		1.2						0.67		
Total BOD 20C	mg/L	288	274	281	241	281	286	366	258	286	177
Total cyanide	ug/L		DNQ Est. Conc. 1.9						ND		
Total suspended solids	mg/L	397	315	313	318	313	366	466	310	299	337
Toxaphene	ug/L		ND						ND		
trans-1,2-Dichloroethene	ug/L		ND						ND		
Trichloroethene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		226						75.8		

San Jose Creek West Water Reclamation Plant
2015 INF-002 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-118	pg/L			150	150	150	EPA 1668		4.7	21
PCB-123	pg/L			DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0	EPA 1668		4.6	21
PCB-126	pg/L			ND	ND	ND	EPA 1668		6.1	21
PCB-128/166	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668		2.7	410
PCB-129/138/163	pg/L			DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		2.7	620
PCB-135/151	pg/L			DNQ Est. Conc. 41	ND	DNQ Est. Conc. 41	EPA 1668		2.8	410
PCB-147/149	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		2.7	410
PCB-153/168	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		2.3	410
PCB-156/157	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668		2.8	41
PCB-158	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668		2.1	210
PCB-167	pg/L			DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6	EPA 1668		2.0	21
PCB-169	pg/L			ND	ND	ND	EPA 1668		2.5	21
PCB-170	pg/L			DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		1.4	210
PCB-177	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		1.2	210
PCB-18/30	pg/L			DNQ Est. Conc. 93	ND	DNQ Est. Conc. 93	EPA 1668		1.6	410
PCB-180/193	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		1.0	410
PCB-183	pg/L			DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668		0.95	210
PCB-187	pg/L			DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		1.4	210
PCB-189	pg/L			ND	ND	ND	EPA 1668		2.4	21
PCB-194	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20	EPA 1668		2.6	210
PCB-20/28	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		7.8	410
PCB-201	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1	EPA 1668		1.0	210
PCB-206	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		1.8	210
PCB-37	pg/L			DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		9.8	210
PCB-44/47/65	pg/L			DNQ Est. Conc. 360	ND	DNQ Est. Conc. 360	EPA 1668		1.0	620
PCB-49/69	pg/L			DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71	EPA 1668		0.88	410
PCB-52	pg/L			220	220	220	EPA 1668		1.1	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 210	ND	DNQ Est. Conc. 210	EPA 1668		2.8	820
PCB-66	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		3.3	210
PCB-77	pg/L			DNQ Est. Conc. 7.1	ND	DNQ Est. Conc. 7.1	EPA 1668		5.1	21
PCB-81	pg/L			ND	ND	ND	EPA 1668		4.3	21
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		4.6	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		4.6	620
PCB-99	pg/L			DNQ Est. Conc. 81	ND	DNQ Est. Conc. 81	EPA 1668		5.0	210
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0
Phenol	ug/L			10.6	18.8	27.0	EPA 625	1	1.0 - 1.4	10.0
pH	SU	7.5	7.5	7.4	7.5	7.6	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L	DNQ Est. Conc. 0.76	1.27	DNQ Est. Conc. 0.59	0.33	1.27	EPA 200.8	2	0.04 - 0.17	1.00
Silver	ug/L			DNQ Est. Conc. 0.14	0.62	1.24	EPA 200.8	0.25	0.01 - 0.03	0.20
Technical Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.05
Tetrachloroethene	ug/L			DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.49	EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L			0.67	0.94	1.2	EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	248	343	177	277	366	SM 5210B		0.6	100 - 200
Total cyanide	ug/L			ND	ND	DNQ Est. Conc. 1.9	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	391	369	299	350	466	SM 2540D		71.4 - 100	71.4 - 100
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.04 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L			75.8	151	226	EPA 200.8	1	0.66 - 1.10	1.00 - 5.00

(1) Compound was found in the blank and the sample.

San Jose Creek WRP, West, Effluent Monitoring

San Jose Creek West Water Reclamation Plant
2015 EFF-003 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-Dichloroethene	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		ND				ND		
1,2,3-Trichloropropane	ug/L		ND		ND				DNQ Est. Conc. 0.0026		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 4.3		DNQ Est. Conc. 5.9				DNQ Est. Conc. 0.93		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 3.2		DNQ Est. Conc. 2.5				DNQ Est. Conc. 0.84		
1,2,3,4,7,8-HexaCDD	pg/L		ND		ND				ND		
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.3		ND				ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 1.7		ND				ND		
1,2,3,6,7,8-HexaCDD	pg/L		ND		ND				ND		
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.4		ND				ND		
1,2,3,7,8-PentaCDD	pg/L		DNQ Est. Conc. 0.83		ND				ND		
1,2,3,7,8-PentaCDF	pg/L		DNQ Est. Conc. 1.3		ND				ND		
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 1.7		ND				ND		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 1.2		DNQ Est. Conc. 0.75				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 (Total)	ug/L		ND		ND				ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		0.78		0.70				0.73		
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND		ND				ND		
2-Chlorophenol	ug/L		ND		ND				ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND		ND				ND		
2-Nitrophenol	ug/L		ND		ND				ND		
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.2		ND				ND		
2,3,4,7,8-PentaCDF	pg/L		ND		ND				ND		
2,3,7,8-TCDD	pg/L		ND		DNQ Est. Conc. 0.52				ND		
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 0.70		ND				ND		
2,4-Dichlorophenol	ug/L		ND		ND				ND		
2,4-Dimethylphenol	ug/L		ND		DNQ Est. Conc. 0.23				ND		
2,4-Dinitrophenol	ug/L		ND		ND				ND		
2,4-Dinitrotoluene	ug/L		ND		ND				ND		
2,4,6-Trichlorophenol	ug/L		ND		DNQ Est. Conc. 0.27		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND		ND				ND		
3-Methyl-4-chlorophenol	ug/L		ND		ND				ND		
3,3'-Dichlorobenzidine	ug/L		ND		ND				ND		
4-Bromophenyl phenyl ether	ug/L		ND		ND				ND		
4-Chlorophenyl phenyl ether	ug/L		ND		ND				ND		
4-Nitrophenol	ug/L		ND		ND				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		ND				ND		
Acenaphthylene	ug/L		ND		ND				ND		
Acrolein	ug/L		ND		ND				ND		
Acrylonitrile	ug/L		ND		ND				ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
Ammonia as nitrogen	mg/L	0.658	0.807	0.641	0.756	1.25	0.709	0.548	0.917	1.06	1.05
Anthracene	ug/L		ND		ND				ND		

San Jose Creek West Water Reclamation Plant
2015 EFF-003 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	0.20	0.50
1,1-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	DNQ Est. Conc. 0.0026			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			DNQ Est. Conc. 0.93	ND	DNQ Est. Conc. 5.9			EPA 1613B		0.49 - 0.91	50 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L			DNQ Est. Conc. 0.84	ND	DNQ Est. Conc. 3.2			EPA 1613B		0.40 - 0.55	50 - 55
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.29 - 0.54	50 - 55
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.40 - 0.42	50 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.56 - 0.70	50 - 55
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.31 - 0.47	50 - 55
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.36 - 0.42	50 - 55
1,2,3,7,8-PentaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.83			EPA 1613B		0.61 - 0.94	50 - 55
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.32 - 0.51	50 - 55
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.7			EPA 1613B		0.26 - 0.44	50 - 55
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.37 - 0.46	50 - 55
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.17	0.50 - 5.0
1,3-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.31	ND	ND	DNQ Est. Conc. 0.31			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L			0.70	0.74	0.78			SW-846 8270MOD 1,4-Dioxane		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L		ND	ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.35 - 0.37	50 - 55
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.30 - 0.64	50 - 55
2,3,7,8-TCDD	pg/L		ND	ND	ND	DNQ Est. Conc. 0.52			EPA 1613B		0.22 - 0.68	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.70			EPA 1613B		0.25 - 0.43	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	DNQ Est. Conc. 0.23			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.27			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.002	0.01
Ammonia as nitrogen	mg/L	1.05	1.02	0.548	0.872	1.25	8.4(1)/8.2(2)/6.3(3)/7.8(4)	3.9(1)/4.9(2)/4.0(3)/5.0(4)	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0

San Jose Creek West Water Reclamation Plant
2015 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June	July *	August *	September *	October *
Antimony	ug/L		0.60		0.53	DNQ Est. Conc. 0.34			0.53		
Aroclor 1016	ug/L		ND		ND				ND		ND
Aroclor 1221	ug/L		ND		ND				ND		ND
Aroclor 1232	ug/L		ND		ND				ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND				ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND				ND		ND
Arsenic	ug/L		1.29		1.26	1.02	1.13		1.13		
Barium	ug/L		87.8		28.2		27.5		27.3		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND		ND				ND		
Benzo(a)anthracene	ug/L		ND		ND				ND		
Benzo(a)pyrene	ug/L		ND		ND				ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND		ND				ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND		ND	ND			ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
bis(2-Chloroethoxy) methane	ug/L		ND		ND				ND		
bis(2-Chloroethyl) ether	ug/L		ND		ND				ND		
bis(2-Chloroisopropyl) ether	ug/L		ND		ND				ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
Boron	mg/L	0.36	0.34	0.32	0.36	0.31	0.33	0.32	0.31	0.31	0.32
Bromodichloromethane	ug/L		16.4		19.2		6.0		17.0	13.7	13.0
Bromoform	ug/L		DNQ Est. Conc. 0.22		ND		ND		DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.18
Butyl benzyl phthalate	ug/L		ND		ND				ND		
Cadmium	ug/L		ND		DNQ Est. Conc. 0.040	ND	ND		DNQ Est. Conc. 0.040		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	113	110	112	117	117	121	122	123	117	119
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chlorodibromomethane	ug/L		2.8		4.5		1.2		4.0	3.8	2.4
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L		43.8		43.8		15.4		36.2	21.0	28.4
Chromium III	ug/L		1.02		0.91	1.15	1.27		1.12		
Chromium VI	ug/L		0.16		0.13	0.17	0.17		0.08		
Chromium, total	ug/L		1.0		1.04	1.18	1.30		1.0		
Chrysene	ug/L		ND						ND		
Copper	ug/L	3.96	3.78	3.96	3.93	3.35	5.48		4.29		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Demeton (total)	ug/L			ND							
Di-n-butyl phthalate	ug/L		ND		ND				ND		
Di-n-octyl phthalate	ug/L		ND		ND				ND		
Diazinon	ug/L		ND	ND	ND				ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dieldrin	ug/L		ND		ND		ND		ND		ND
Diethyl phthalate	ug/L		DNQ Est. Conc. 0.22		ND				ND		
Dimethyl phthalate	ug/L		ND		ND				ND		
Dissolved oxygen	mg/L	6.7	6.3	6.2	7.3	5.6	6.0	5.7	6.6	6.7	6.7
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND		ND				ND		
Endosulfan I	ug/L		ND		ND				ND		
Endosulfan sulfate	ug/L		ND		ND				ND		
Endrin aldehyde	ug/L		ND		ND				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

San Jose Creek West Water Reclamation Plant
2015 EFF-003 Monitoring Results

Parameter	Units	November	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Antimony	ug/L		DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.34	0.33	0.60			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	ug/L		1.19	1.02	1.17	1.29			EPA 200.8	2	0.14 - 0.16	1.00
Barium	ug/L		37.9	27.3	41.7	87.8			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 625/525.2/610	10	0.007 - 0.15	0.020 - 10.0
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610 & EPA 625	10	0.004 - 0.13	0.020 - 10.0
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610 & EPA 625	10	0.005 - 0.23	0.020 - 10.0
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.030 - 0.040	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.17 - 0.25	2.0
Boron	mg/L	0.33	0.31	0.31	0.33	0.36		1.0	EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L	14.1	17.3	6.0	15	19.2			EPA 624	2	0.17	0.50
Bromoform	ug/L	ND	DNQ Est. Conc. 0.26	ND	ND	DNQ Est. Conc. 0.38			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.040	ND	ND	DNQ Est. Conc. 0.040			EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50
Chloride	mg/L	119	117	110	117	123		180	EPA 300.0		0.200 - 0.600	8.00
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	2.8	3.4	1.2	3.1	4.5			EPA 624	2	0.14	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	30.0	45.0	15.4	33.0	45.0			EPA 624	2	0.18	0.50
Chromium III	ug/L		1.49	0.91	1.2	1.49			EPA 200.8			0.50
Chromium VI	ug/L		0.17	0.08	0.1	0.17			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L		1.60	1.0	1.2	1.60			EPA 200.8	0.5	0.04 - 0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610 & EPA 625	10	0.005 - 0.17	0.020 - 10.0
Copper	ug/L	5.39	4.29	3.35	4.27	5.48			EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.004	0.005
Demeton (total)	ug/L			ND	ND	ND			SW-846 8141A			
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			ND	ND	ND			EPA 525.2 & SW-846 8141A		0.0060 - 0.096	0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	0.098(5)	0.049(5)	EPA 610 & EPA 625	10	0.004 - 0.15	0.020 - 10.0
Dieldrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.22			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.1	7.6	5.6	6.5	7.6			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 & SM 9223 Quanti-Tray		1.1	1.0 - 1.1
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9221E & SM 9222D		1 - 2	1 - 2

Parameter	Units	January *	February *	March *	April *	May *	June	July *	August *	September *	October *
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND		ND				ND		
Fluoride	mg/L		0.841		0.830		0.731		0.760		0.615
gamma-BHC (Lindane)	ug/L		ND		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		ND		0.987		ND		1.83		
Gross beta radioactivity	pCi/L		7.96		1.26		5.06		5.53		
Guthion	ug/L			ND							
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND		ND				ND		
Hexachlorobutadiene	ug/L		ND		ND				ND		
Hexachlorocyclopentadiene	ug/L		ND		ND				ND		
Hexachloroethane	ug/L		ND		ND				ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Iron	ug/L		41		32		31		35		
Isophorone	ug/L		ND		ND				ND		
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.21	0.26	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.23	0.26	DNQ Est. Conc. 0.21
Malathion	ug/L			ND							
Mercury	ug/L		0.0011		0.00074		0.0011		0.0030		
Methoxychlor	ug/L		ND		ND		ND		ND		ND
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND		ND
Methyl tert-butyl ether (MTBE)	ug/L		ND		ND				ND		
Methylene chloride	ug/L		DNQ Est. Conc. 0.37		ND		DNQ Est. Conc. 0.28		ND		ND
Mirex	ug/L		ND		ND						
n-Nitrosodi-n-propylamine	ug/L		ND		ND	ND			ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.36	0.23	0.44	0.42	1.3	0.66	1.0	0.46	0.38	0.39
n-Nitrosodiphenylamine	ug/L		ND		ND				ND		
Naphthalene	ug/L		ND		ND				ND		
Nickel	ug/L		3.13		1.38	1.39	1.45		1.42		
Nitrate + nitrite as nitrogen	mg/L	8.67	7.99	8.81	7.50	8.33	7.86	7.24	6.70	6.42	6.84
Nitrate as nitrogen	mg/L	8.63	7.98	8.78	7.46	8.28	7.83	7.22	6.67	6.39	6.81
Nitrite as nitrogen	mg/L	0.045	ND	ND	0.037	0.052	ND	ND	ND	0.032	0.033
Nitrobenzene	ug/L		ND		ND				ND		
OctaCDD	pg/L		DNQ Est. Conc. 58		DNQ Est. Conc. 33				DNQ Est. Conc. 21		
OctaCDF	pg/L		DNQ Est. Conc. 11		DNQ Est. Conc. 15				DNQ Est. Conc. 2.2		
Oil and grease	mg/L	ND	ND	ND	ND	ND			ND		
Organic nitrogen	mg/L	ND	0.233	0.227	1.47	0.780	0.841	1.04	2.20	0.880	1.05
Orthophosphate-P	mg/L						1.66	3.78	2.25	0.793	1.39
Parathion	ug/L			ND							
PCB-105	pg/L								ND		
PCB-110/115	pg/L								DNQ Est. Conc. 13 (9)		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 7.8		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-128/166	pg/L								ND		
PCB-129/138/163	pg/L								DNQ Est. Conc. 6.7		
PCB-135/151	pg/L								ND		
PCB-147/149	pg/L								DNQ Est. Conc. 5.5 (9)		
PCB-153/168	pg/L								DNQ Est. Conc. 5.6		
PCB-156/157	pg/L								ND		
PCB-158	pg/L								ND		
PCB-167	pg/L								ND		
PCB-169	pg/L								ND		
PCB-170	pg/L								ND		
PCB-177	pg/L								ND		

Parameter	Units	November	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L		0.703	0.615	0.747	0.841			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.0009	0.01
Gross alpha radioactivity	pCi/L		2.96	ND	1.16	2.96		15(5)	EPA 900.0		0.886 - 2.56	0.886 - 2.56
Gross beta radioactivity	pCi/L		6.11	1.26	5.18	7.96			EPA 900.0		0.894 - 2.44	0.894 - 2.44
Guthion	ug/L			ND	ND	ND			SW-846 8141A		0.0070	0.10
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	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	1	0.0030 - 0.18	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.014 - 0.75	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610 & EPA 625	10	0.004 - 0.14	0.020 - 10.0
Iron	ug/L		27	27	33	41			EPA 200.8		3 - 5	20
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L	0.25	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.19	0.064	0.26	166(6)		EPA 200.8	0.5	0.01 - 0.03	0.25
Malathion	ug/L			ND	ND	ND			SW-846 8141A		0.23	0.25
Mercury	ug/L		0.00077	0.00074	0.0013	0.0030			EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.00050
Methoxychlor	ug/L		ND	ND	ND	ND			EPA 608		0.001	0.01
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.21 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L		ND	ND	ND	ND			EPA 524.2 & EPA 624		0.12 - 0.19	0.50 - 2.0
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.37			EPA 624	2	0.18	0.50
Mirex	ug/L			ND	ND	ND			EPA 608		0.003	0.05
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625		0.0005 - 0.19	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.96	0.41	0.23	0.58	1.3			EPA 1625 (Modified)	5	0.0003 - 0.0025	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 525.2 & EPA 625	1	0.042 - 0.18	0.50 - 1.0
Nickel	ug/L		1.20	1.20	1.66	3.13			EPA 200.8	1	0.10 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	6.54	6.39	6.39	7.44	8.81		8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	6.50	6.36	6.36	7.41	8.78			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.042	0.032	ND	0.023	0.052		1	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 58			EPA 1613B		0.84 - 1.5	100 - 110
OctaCDF	pg/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 15			EPA 1613B		0.59 - 0.87	100 - 110
Oil and grease	mg/L	ND		ND	ND	ND	15	10	EPA 1664A		0.8 - 0.9	1.0 - 4.6
Organic nitrogen	mg/L	1.51	1.62	ND	0.988	2.20			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	1.03	1.11	0.793	1.72	3.78			EPA 365.1		0.001 - 0.002	0.030 - 0.060
Parathion	ug/L			ND	ND	ND			SW-846 8141A		0.085	0.25
PCB-105	pg/L			ND	ND	ND			EPA 1668		2.4	20
PCB-110/115	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.8	400
PCB-114	pg/L			ND	ND	ND			EPA 1668		2.1	20
PCB-118	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8			EPA 1668		2.0	20
PCB-123	pg/L			ND	ND	ND			EPA 1668		2.1	20
PCB-126	pg/L			ND	ND	ND			EPA 1668		3.5	20
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		2.0	400
PCB-129/138/163	pg/L			DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 6.7			EPA 1668		2.0	600
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		2.1	400
PCB-147/149	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668		2.0	400
PCB-153/168	pg/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.7	400
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		2.0	40
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.6	200
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.4	20
PCB-169	pg/L			ND	ND	ND			EPA 1668		2.1	20
PCB-170	pg/L			ND	ND	ND			EPA 1668		1.3	200
PCB-177	pg/L			ND	ND	ND			EPA 1668		1.1	200

Parameter	Units	January *	February *	March *	April *	May *	June	July *	August *	September *	October *
PCB-18/30	pg/L								DNQ Est. Conc. 32		
PCB-180/193	pg/L								DNQ Est. Conc. 3.6		
PCB-183	pg/L								ND		
PCB-187	pg/L								ND		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND		
PCB-20/28	pg/L								DNQ Est. Conc. 30		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								ND		
PCB-44/47/65	pg/L								DNQ Est. Conc. 260 (9)		
PCB-49/69	pg/L								DNQ Est. Conc. 13		
PCB-52	pg/L								DNQ Est. Conc. 37 (9)		
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 21 (9)		
PCB-66	pg/L								DNQ Est. Conc. 6.8		
PCB-77	pg/L								ND		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 8.9		
PCB-90/101/113	pg/L								DNQ Est. Conc. 12 (9)		
PCB-99	pg/L								DNQ Est. Conc. 5.3		
PCBs as arochlors	ug/L		ND		ND		ND		ND		ND
PCBs as congeners	pg/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L		0.43		0.23				0.41	0.38	0.15
pH (SGR)	SU	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2
pH (SJC)	SU										
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		ND		DNQ Est. Conc. 0.16		DNQ Est. Conc. 0.19		DNQ Est. Conc. 0.24
Pyrene	ug/L		ND		ND				ND		
Selenium	ug/L	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.62	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.31
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND		ND	ND	ND		DNQ Est. Conc. 0.01		
Strontium-90	pCi/L		0.435		ND		ND		ND		
Sulfate	mg/L	98.6	91.9	97.6	94.7	92.2	98.7	103	102	104	93.8
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			ND		
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND		ND		ND
Technical chlordane	ug/L		ND		ND				ND		
Temperature (SJC)	Degrees F										
Tetrachloroethene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND		ND	ND			ND		
Toluene	ug/L		ND		ND		ND		ND		DNQ Est. Conc. 0.20
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND			DNQ Est. Conc. 2.25			DNQ Est. Conc. 1.12		
Total dissolved solids	mg/L	604	568	282	583	575	601	604	612	592	590
Total hardness (CaCO3)	mg/L	219	217	206	213	206	214	220	212	219	207
Total Kjeldahl Nitrogen (TKN)	mg/L						1.55	1.59	3.12	1.94	2.10
Total nitrogen	mg/L	9.39	9.03	9.68	9.73	10.4	9.87	8.83	9.82	8.36	8.94
Total phosphorus	mg/L						1.77	4.01	2.34	0.881	1.36
Total residual chlorine (SJC)	mg/L										
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L		63.0		67.5		22.6		57.1	38.5	43.8
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L		ND		ND				ND		
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND		ND
Trichloroethene	ug/L		ND		ND		ND		ND		ND

San Jose Creek West Water Reclamation Plant
2015 EFF-003 Monitoring Results

Parameter	Units	November	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-18/30	pg/L			DNQ Est. Conc. 32	ND	DNQ Est. Conc. 32			EPA 1668		2.6	400
PCB-180/193	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		0.97	400
PCB-183	pg/L			ND	ND	ND			EPA 1668		0.88	200
PCB-187	pg/L			ND	ND	ND			EPA 1668		1.8	200
PCB-189	pg/L			ND	ND	ND			EPA 1668		2.2	20
PCB-194	pg/L			ND	ND	ND			EPA 1668		2.1	200
PCB-20/28	pg/L			DNQ Est. Conc. 30	ND	DNQ Est. Conc. 30			EPA 1668		4.8	400
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.93	200
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.6	200
PCB-37	pg/L			ND	ND	ND			EPA 1668		8.3	200
PCB-44/47/65	pg/L			DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260			EPA 1668		2.1	600
PCB-49/69	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.9	400
PCB-52	pg/L			DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37			EPA 1668		2.4	200
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21			EPA 1668		2.6	810
PCB-66	pg/L			DNQ Est. Conc. 6.8	ND	DNQ Est. Conc. 6.8			EPA 1668		3.0	200
PCB-77	pg/L			ND	ND	ND			EPA 1668		4.4	20
PCB-81	pg/L			ND	ND	ND			EPA 1668		3.8	20
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 8.9	ND	DNQ Est. Conc. 8.9			EPA 1668		2.1	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		2.1	600
PCB-99	pg/L			DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3			EPA 1668		2.3	200
PCBs as arochlors	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 515.3 & EPA 625	5	0.040 - 0.64	0.20 - 1.0
Perchlorate	ug/L	0.38	0.25	0.15	0.32	0.43			EPA 331.0		0.0201	0.05
pH (SGR)	SU	7.1	7.0	7.0	7.1	7.2			SM 4500 H+ B		1.00	4.00
pH (SJC)	SU	7.1		7.1	7.1	7.1			SM 4500 H+ B		1.00	4.00
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.24			EPA 625	1	0.10 - 0.14	1.0
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.62			EPA 200.8	2	0.04 - 0.17	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. 0.01			EPA 200.8	0.25	0.01 - 0.03	0.20
Strontium-90	pCi/L		0.113	ND	0.110	0.435		8	EPA 905.0		0.682	0.682
Sulfate	mg/L	94.4	91.3	91.3	96.9	104		300	EPA 300.0		0.240 - 0.440	2.00
Surfactant (CTAS)	mg/L	ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01	0.05
Temperature (SJC)	Degrees F	76.8		76.8	76.8	76.8	86(7)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.20			EPA 624	2	0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3.0
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	23(8)		SM 9221B & SM 9222B		1 - 2	1 - 2
Total cyanide	ug/L	DNQ Est. Conc. 1.85		ND	ND	DNQ Est. Conc. 2.25			SM 4500 CN E	5	0.0010 - 1000	0.0050 - 5000
Total dissolved solids	mg/L	562	585	282	563	612		750	SM 2540C		2.7 - 6.7	25.0 - 62.5
Total hardness (CaCO3)	mg/L	202	206	202	212	220			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.56	2.64	1.55	2.21	3.12			EPA 351.2		0.135 - 0.270	0.200 - 0.400
Total nitrogen	mg/L	9.10	9.03	8.36	9.35	10.4			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	1.11	1.20	0.881	1.81	4.01			EPA 365.1		0.001 - 0.005	0.030 - 0.150
Total residual chlorine (SJC)	mg/L	ND		ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	46.9	45.5	22.6	48.1	67.5		80(5)	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L		ND	ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L		ND	ND	ND	ND			EPA 624	2	0.28	0.50

San Jose Creek West Water Reclamation Plant
2015 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March *	April *	May *	June	July *	August *	September *	October *
Tritium	pCi/L		ND		ND		ND		176		
Turbidity (flow proportioned avg daily value)	NTU	0.61	0.59	0.62	0.56	0.78	0.64	0.64	0.64	0.64	0.74
Uranium	pCi/L		0.366		0.195		0.000		0.241		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		48.9		51.7	45.1	54.2		54.6		

San Jose Creek West Water Reclamation Plant
2015 EFF-003 Monitoring Results

Parameter	Units	November	December *	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Tritium	pCi/L		ND	ND	35.2	176		20000	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.73	0.72	0.56	0.66	0.78	2		SM 2130B		0.12	0.12
Uranium	pCi/L		0.288	0.000	0.218	0.366		20(5)	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L		52.2	45.1	51.1	54.6			EPA 200.8	1	0.22 - 0.66	1.00

* No discharge present at EFF-003 during this month.

(1) Effluent ammonia limit effective from April 1 to September 30 per Order No. R4-2009-0078 in effect until May 31, 2015.

(2) Effluent ammonia limit effective from October 1 to March 31 per Order No. R4-2009-0078 in effect until May 31, 2015.

(3) Effluent ammonia limit effective from April 1 to September 30 per Order No. R4-2015-0070 in effect starting June 1, 2015.

(4) Effluent ammonia limit effective from October 1 to March 31 per Order No. R4-2015-0070 in effect starting June 1, 2015.

(5) Permit limit in Order No. R4-2015-0070 in effect starting June 1, 2015.

(6) Wet weather effluent limit per Order No. R4-2015-0070 in effect starting June 1, 2015.

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

(8) Total coliform cannot exceed 23/100 mL in more than one sample during any 30-day period.

(9) Compound was found in the blank and the sample.

Saugus WRP Influent Monitoring

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND	ND	
1,2,4-Trichlorobenzene	ug/L	ND						ND	ND	
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	DNQ Est. Conc. 0.14						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND	ND	
2-Chlorophenol	ug/L	ND						ND	ND	
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND	ND	
2-Nitrophenol	ug/L	ND						ND	ND	
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND	ND	
2,4-Dimethylphenol	ug/L	ND						ND	ND	
2,4-Dinitrophenol	ug/L	ND						ND	ND	
2,4-Dinitrotoluene	ug/L	ND						ND	ND	
2,4-D	ug/L	ND								
2,4,5-TP (silvex)	ug/L	ND								
2,4,6-Trichlorophenol	ug/L	ND						ND	ND	
2,6-Dinitrotoluene	ug/L	ND						ND	ND	
3-Methyl-4-chlorophenol	ug/L	ND						ND	ND	
3,3'-Dichlorobenzidine	ug/L	ND						ND	ND	
4-Bromophenyl phenyl ether	ug/L	ND						ND	ND	
4-Chlorophenyl phenyl ether	ug/L	ND						ND	ND	
4-Nitrophenol	ug/L	ND						ND	ND	
4,4-DDT	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND	ND	
Acenaphthylene	ug/L	ND						ND	ND	
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	33.0	42.8	37.2	35.1	35.2				
Anthracene	ug/L	ND						ND	ND	
Antimony	ug/L	1.38			0.81			1.02		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	1.41						4.47		
Barium	ug/L	60.8						120		

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.14	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.49	11
2,4-Dichlorophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4-D	ug/L				ND	ND	ND	SW-846 8151A		0.22	0.52
2,4,5-TP (silvex)	ug/L				ND	ND	ND	SW-846 8151A		0.18	0.52
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Acenaphthene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L				33.0	36.7	42.8	SM 4500 NH3 G		0.400 - 0.800	2.00 - 4.00
Anthracene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L				0.81	1.07	1.38	EPA 200.8	0.5	0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L				1.41	2.94	4.47	EPA 200.8	2	0.15	1.00
Barium	ug/L				60.8	90.4	120	EPA 200.8		0.06	0.50

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND	ND	
Benzo(a)anthracene	ug/L	ND					DNQ Est. Conc. 0.070	ND	ND	ND
Benzo(a)pyrene	ug/L	ND						ND	ND	
Benzo(b)fluoranthene	ug/L	ND						ND	ND	
Benzo(g,h,i)perylene	ug/L	ND						ND	ND	
Benzo(k)fluoranthene	ug/L	ND						ND	ND	
Beryllium	ug/L	ND						DNQ Est. Conc. 0.059		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND	ND	
bis(2-Chloroethyl) ether	ug/L	ND						ND	ND	
bis(2-Chloroisopropyl) ether	ug/L	ND						ND	ND	
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 9.9						DNQ Est. Conc. 8.6	DNQ Est. Conc. 6.4	
BOD	mg/L	219	207	227	286	291	298	300	238	241
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.45					DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.39	0.52	0.82
Bromoform	ug/L	1.5					2	0.86	2.6	2
Butyl benzyl phthalate	ug/L	ND						ND	ND	
Cadmium	ug/L	0.20						0.38		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	128	139	122	136	130	127	124	124	120
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.95					0.96	0.56	1.3	1.6
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	1.7					0.96	2.3	3.3	2.0
Chromium VI	ug/L	DNQ Est. Conc. 0.04						DNQ Est. Conc. 0.03		
Chromium, total	ug/L	2.61						5.86		
Chrysene	ug/L	ND						ND	ND	
Copper	ug/L	170					361	199	160	94.0
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND	ND	
Di-n-octyl phthalate	ug/L	ND						ND	ND	
Dibenzo(a,h)anthracene	ug/L	ND						ND	ND	
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 6.9						DNQ Est. Conc. 5.5	DNQ Est. Conc. 5.1	
Dimethyl phthalate	ug/L	ND						ND	ND	
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND						ND	ND	
Fluorene	ug/L	ND						ND	ND	
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND	ND	
Hexachlorobutadiene	ug/L	ND						ND	ND	
Hexachlorocyclopentadiene	ug/L	ND						ND	ND	
Hexachloroethane	ug/L	ND						ND	ND	

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.070	EPA 610 & EPA 625		0.025 - 1.9	0.10 - 50.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	1.9	100
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	1.4	100
Benzo(g,h,i)perylene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	2.2	100
Beryllium	ug/L				ND	ND	DNQ Est. Conc. 0.059	EPA 200.8	0.5	0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0
bis(2-Chloroethyl) ether	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 8.1	DNQ Est. Conc. 11.1	DNQ Est. Conc. 6.1	DNQ Est. Conc. 6.1	ND	DNQ Est. Conc. 11.1	EPA 625	5	1.7 - 2.5	20.0
BOD	mg/L	270	207	287	207	256	300	SM 5210B		0.6	85.7 - 120
Bromodichloromethane	ug/L	0.72	0.59	0.56	DNQ Est. Conc. 0.39	0.54	0.82	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.2	2.1	2.5	0.86	1.9	2.6	EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L				0.2	0.29	0.38	EPA 200.8	0.25	0.030	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Chloride	mg/L	128	128	127	120	128	139	EPA 300.0		0.200 - 0.320	8.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	1.0	1.4	1.3	0.56	1.1	1.6	EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L	1.5	1.7	1.8	0.96	1.9	3.3	EPA 624	2	0.09 - 0.19	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.04	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				2.61	4.24	5.86	EPA 200.8	0.5	0.07	0.50
Chrysene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	1.3	100
Copper	ug/L	86.3	146	108	86.3	166	361	EPA 200.8	0.5	0.11 - 0.80	0.50 - 2.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	1.4	100
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.4	DNQ Est. Conc. 4.0	DNQ Est. Conc. 3.9	DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 6.9	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.4	10.0

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND	ND	
Iron	mg/L	0.60			0.39			2.6		
Isophorone	ug/L	ND						ND	ND	
Lead	ug/L	1.08			1.30		18.4	3.93	2.11	0.58
Mercury	ug/L	0.04					1.18	0.12	0.11	DNQ Est. Conc. 0.03
Methoxychlor	ug/L	ND								
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND	ND	
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND	ND	
n-Nitrosodiphenylamine	ug/L	ND						ND	ND	
Naphthalene	ug/L	ND						ND	ND	
Nickel	ug/L	3.89					24.5	6.05	4.66	2.44
Nitrobenzene	ug/L	ND						ND	ND	
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 190		
PCB-129/138/163	pg/L							DNQ Est. Conc. 180 (1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 330		
PCB-90/101/113	pg/L							DNQ Est. Conc. 270 (1)		
PCB-105	pg/L							83		
PCB-114	pg/L							ND		
PCB-118	pg/L							210 (1)		
PCB-123	pg/L							DNQ Est. Conc. 14		
PCB-126	pg/L							ND		
PCB-158	pg/L							DNQ Est. Conc. 14		
PCB-167	pg/L							DNQ Est. Conc. 7.0 (2)		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 60 (1)		
PCB-177	pg/L							DNQ Est. Conc. 33 (1)		
PCB-183	pg/L							DNQ Est. Conc. 39		
PCB-187	pg/L							DNQ Est. Conc. 57 (1)		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 33 (2)		
PCB-201	pg/L							DNQ Est. Conc. 4.3		
PCB-206	pg/L							DNQ Est. Conc. 16		
PCB-37	pg/L							DNQ Est. Conc. 38		
PCB-44	pg/L							127		
PCB-52	pg/L							360 (1)		
PCB-66	pg/L							DNQ Est. Conc. 150		
PCB-77	pg/L							DNQ Est. Conc. 7.6 (2)		
PCB-81	pg/L							ND		
PCB-99	pg/L							DNQ Est. Conc. 130 (1)		
PCB-110/115	pg/L							DNQ Est. Conc. 260 (1)		
PCB-128/166	pg/L							DNQ Est. Conc. 22		
PCB-135/151	pg/L							DNQ Est. Conc. 39		
PCB-147/149	pg/L							DNQ Est. Conc. 120 (1)		
PCB-153/168	pg/L							DNQ Est. Conc. 140 (1)		
PCB-156/157	pg/L							DNQ Est. Conc. 34		
PCB-18/30	pg/L							DNQ Est. Conc. 84		
PCB-180/193	pg/L							DNQ Est. Conc. 160 (1)		
PCB-20/28	pg/L							DNQ Est. Conc. 170		

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND	ND	EPA 625	10	1.3	100
Iron	mg/L				0.39	1.2	2.6	EPA 200.8		0.005	0.020
Isophorone	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L	0.53	1.27	0.61	0.53	3.3	18.4	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	ND	0.11	0.04	ND	0.08	1.18	EPA 245.1	0.5	0.010 - 0.020	0.04 - 0.08
Methoxychlor	ug/L				ND	ND	ND	EPA 608		0.001	0.01
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L	2.29	3.26	2.42	2.29	6.19	24.5	EPA 200.8	1	0.10 - 0.12	1.00
Nitrobenzene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		7.3	1300
PCB-129/138/163	pg/L				DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		3.5	670
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 330	ND	DNQ Est. Conc. 330	EPA 1668		4.0	890
PCB-90/101/113	pg/L				DNQ Est. Conc. 270	ND	DNQ Est. Conc. 270	EPA 1668		7.3	670
PCB-105	pg/L				83	83	83	EPA 1668		7.2	22
PCB-114	pg/L				ND	ND	ND	EPA 1668		7.5	22
PCB-118	pg/L				210	210	210	EPA 1668		7.1	22
PCB-123	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		7.2	22
PCB-126	pg/L				ND	ND	ND	EPA 1668		8.6	22
PCB-158	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		2.8	220
PCB-167	pg/L				DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0	EPA 1668		3.5	22
PCB-169	pg/L				ND	ND	ND	EPA 1668		4.5	22
PCB-170	pg/L				DNQ Est. Conc. 60	ND	DNQ Est. Conc. 60	EPA 1668		3.8	220
PCB-177	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		3.3	220
PCB-183	pg/L				DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		2.6	220
PCB-187	pg/L				DNQ Est. Conc. 57	ND	DNQ Est. Conc. 57	EPA 1668		3.2	220
PCB-189	pg/L				ND	ND	ND	EPA 1668		3.8	22
PCB-194	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		5.4	220
PCB-201	pg/L				DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3	EPA 1668		2.4	220
PCB-206	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		3.6	220
PCB-37	pg/L				DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668		8.0	220
PCB-44	pg/L				127	127	127	EPA 1668		3.0	
PCB-52	pg/L				360	360	360	EPA 1668		2.7	220
PCB-66	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		4.7	220
PCB-77	pg/L				DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6	EPA 1668		5.7	22
PCB-81	pg/L				ND	ND	ND	EPA 1668		5.3	22
PCB-99	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		7.9	220
PCB-110/115	pg/L				DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260	EPA 1668		6.3	450
PCB-128/166	pg/L				DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		3.5	450
PCB-135/151	pg/L				DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		3.7	450
PCB-147/149	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		3.5	450
PCB-153/168	pg/L				DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		3.0	450
PCB-156/157	pg/L				DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34	EPA 1668		4.7	45
PCB-18/30	pg/L				DNQ Est. Conc. 84	ND	DNQ Est. Conc. 84	EPA 1668		2.9	450
PCB-180/193	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		2.8	450
PCB-20/28	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		7.1	450

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-49/69	pg/L							DNQ Est. Conc. 99 (1)		
PCBs as congeners	ug/L							0.000780		
Pentachlorophenol	ug/L	ND						ND	ND	
Perchlorate	ug/L	0.33			0.32					
Phenanthrene	ug/L	ND						ND	ND	
Phenol	ug/L	31.8						34.7	29.2	
pH	SU	8.2	8.3	8.3	8.4	8	7.9	8	8	7.9
Polychlorinated biphenyls (PCBs)	ug/L	ND						ND		
Pyrene	ug/L	ND						ND	ND	
Selenium	ug/L	1.40						1.78		
Silver	ug/L	0.21						0.76		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						DNQ Est. Conc. 0.029		
Toluene	ug/L	DNQ Est. Conc. 0.40						0.57		
Total cyanide	ug/L	ND			ND			ND	DNQ Est. Conc. 1.4	DNQ Est. Conc. 1.8
Total suspended solids	mg/L	255	256	224	276	276	263	274	262	325
Total trihalomethanes	ug/L	4.2					3.9	3.7	7.7	6.4
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	187					594	303	217	87.1

Saugus Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-49/69	pg/L				DNQ Est. Conc. 99	ND	DNQ Est. Conc. 99	EPA 1668		2.1	450
PCBs as congeners	ug/L				0.000780	0.000780	0.000780	EPA 1668			
Pentachlorophenol	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Perchlorate	ug/L				0.32	0.33	0.33	EPA 331.0		0.0201	0.05
Phenanthrene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0
Phenol	ug/L	18.3	17.7	22.5	17.7	25.7	34.7	EPA 625	1	1.0 - 1.4	10.0
pH	SU	8	7.8	8	7.8	8.1	8.4	SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L				ND	ND	ND	EPA 608			
Pyrene	ug/L	ND	ND	ND	ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L				1.4	1.59	1.78	EPA 200.8	2	0.10	1.00
Silver	ug/L				0.21	0.49	0.76	EPA 200.8	0.25	0.01	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	DNQ Est. Conc. 0.029	EPA 200.8	1	0.010	0.25
Toluene	ug/L				DNQ Est. Conc. 0.40	ND	0.57	EPA 624	2	0.19	0.50
Total cyanide	ug/L	DNQ Est. Conc. 1.9	DNQ Est. Conc. 2.8	DNQ Est. Conc. 2.1	ND	ND	DNQ Est. Conc. 2.8	SM 4500 CN E	5	1.0	5.0
Total suspended solids	mg/L	300	288	340	255	278	340	SM 2540D		100	100
Total trihalomethanes	ug/L	4.4	5.8	6.2	3.7	5.3	7.7	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L	82.6	164	96.4	82.6	216	594	EPA 200.8	1	0.60 - 3.30	1.00 - 5.00

(1) Compound was found in the blank and sample.

(2) The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ration. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Saugus WRP Effluent Monitoring

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 1.6						ND		
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 0.85						ND		
1,2,3,4,7,8-HexaCDD	pg/L	ND						ND		
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND		
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND		
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND		
1,2,3,7,8-PentaCDD	pg/L	ND						ND		
1,2,3,7,8-PentaCDF	pg/L	ND						ND		
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND		
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	0.83						0.71		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND		
2,3,4,7,8-PentaCDF	pg/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4-D	ug/L	0.58			ND			ND		
2,4,5-TP (silvex)	ug/L	ND			ND			ND		
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.32			ND			ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4-DDT	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.06	1.00	1.06	0.943	0.916	0.937	0.784	0.860	1.07
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.63	0.50	DNQ Est. Conc. 0.47	0.54			0.57		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	DNQ Est. Conc. 0.83			1.56			1.76		
Barium	ug/L	46.1			37.0			31.3		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND					ND	ND	ND	ND

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.51	57
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.85			EPA 1613B		0.42	57
1,2,3,4,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.30	57
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.26	57
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	ND			EPA 1613B		0.26	57
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.28	57
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.23	57
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.37	57
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.30	57
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.25	57
1,2,3,7,8,9-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.19	57
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L				0.71	0.77	0.83			SW-846 8270MOD		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	3.5	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.18	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.18	57
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.34	57
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.28	11
2,3,7,8-TetraCDF	pg/L				ND	ND	ND			EPA 1613B		0.20	11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.36	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.0	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.22	5.0
2,4-D	ug/L				ND	ND	0.58			SW-846 8151A		0.24	0.57
2,4,5-TP (silvex)	ug/L				ND	ND	ND			SW-846 8151A		0.19	0.57
2,4,6-Trichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.32			EPA 625	10	0.17	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.66	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.33	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.38	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.22	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	0.899	0.964	1.25	0.784	0.975	1.25	5.6 (1)(2)	2.0 (1)(2)	SM 4500 NH3 G		0.020	0.100
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.16	10.0
Antimony	ug/L	DNQ Est. Conc. 0.48			ND	0.52	0.63		6 (1)	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.05	0.1
Arsenic	ug/L	1.63			ND	1.60	1.76			EPA 200.8	2	0.14 - 0.15	1.00
Barium	ug/L	34.6			31.3	37.3	46.1			EPA 200.8		0.05 - 0.08	0.50
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.6	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098 (2)	0.049 (2)	EPA 610 & EPA 625		0.005 - 0.12	0.020 - 5.0

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND			ND			ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND		
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.75	0.63	0.57	0.59	0.57	0.55	0.57	0.49	0.60
Bromodichloromethane	ug/L	24.9	19.3	19.5	21.2	19.1	22.3	15.8	14.5	19.1
Bromoform	ug/L	2.2	1.4	1.9	2.8	2	2.4	1.7	2.0	2.2
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.050		DNQ Est. Conc. 0.050		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	145	133	133	135	135	139	134	137	135
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	12.0	9.2	9.2	12.3	10.8	11.5	7.9	8.3	11.2
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	30.4	19.9	18.2	15.7	16.6	19.2	17.9	13.7	15.6
Chlorpyrifos	ug/L	ND						ND		
Chromium III	ug/L	ND		ND	0.56			ND		
Chromium VI	ug/L	DNQ Est. Conc. 0.02		0.051	DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.03		
Chromium, total	ug/L	DNQ Est. Conc. 0.48			0.56			DNQ Est. Conc. 0.38		
Chrysene	ug/L	ND						ND		
Copper	ug/L	8.09			7.21		4.99	4.89	5.23	4.98
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Diazinon	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND			ND			7.3		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.53	7.51	7.66	7.16	7.22	7.12	7.13	6.88	6.51
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fecal coliform	No./100mL	ND	ND	ND	ND		ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Fluoride	mg/L	0.303			0.310			0.294		
gamma-BHC (Lindane)	ug/L	ND			ND			ND		
Gross alpha radioactivity	pCi/L	1.78			1.53			ND		
Gross beta radioactivity	pCi/L	2.47			3.01			3.62		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Iron	ug/L	DNQ Est. Conc. 17.3	25.0	DNQ Est. Conc. 19.4	21.3			DNQ Est. Conc. 18.3		
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.15			DNQ Est. Conc. 0.13		DNQ Est. Conc. 0.12	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.14
Mercury	ug/L	0.00061						0.0010	0.00069	0.00056
Methoxychlor	ug/L	ND			ND					
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND		ND	ND			ND		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND		ND	ND			ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	1.41			1.26		1.18	1.26	1.15	1.24

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzo(a)pyrene	ug/L	ND			ND	ND	ND			EPA 610	10	0.007	0.020
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			EPA 625	5	0.13	5.0
Benzo(k)fluoranthene	ug/L	ND			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L				ND	ND	ND			EPA 200.8	0.5	0.040	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.50	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625	5	0.17	2.0
BOD	mg/L	ND	ND	ND	ND	ND	ND	45 (1)(2)	20 (1)(2)	SM 5210B		0.6	3.0 - 3.3
Boron	mg/L	0.58	0.60	0.56	0.49	0.59	0.75		1.5 (1)(2)	EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L	16.1	12.1	14.4	12.1	18.2	24.9			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.6	1.1	1.3	1.1	1.9	2.8			EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
Cadmium	ug/L	DNQ Est. Conc. 0.050			ND	ND	DNQ Est. Conc. 0.050		5 (1)	EPA 200.8	0.25	0.030 - 0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	138	144	139	133	137	145	230 (1)(2)(3)		EPA 300.0		0.200 - 0.320	8.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L	8.9	5.4	6.5	5.4	9.4	12.3			EPA 624	2	0.06 - 0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L	15.1	12.4	13.6	12.4	17.4	30.4			EPA 624	2	0.09 - 0.19	0.50
Chlorpyrifos	ug/L				ND	ND	ND			SW-846 8141A		0.0060	0.10
Chromium III	ug/L				ND	ND	0.56			EPA 200.8			0.50
Chromium VI	ug/L				ND	ND	0.051			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				ND	ND	0.56			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	5.82	5.83	5.27	4.89	5.81	8.09	23 (2)	15 (2)	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Diazinon	ug/L				ND	ND	ND			SW-846 8141A		0.0060	0.10
Dibenzo(a,h)anthracene	ug/L	ND			ND	ND	ND			EPA 610	10	0.004	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	7.3			EPA 625	2	0.27	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.26	2.0
Dissolved oxygen	mg/L	6.8	7.52	7.48	6.51	7.21	7.66			SM 4500 O G		0.10	1.00
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.10	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.30	10.0
Fluoride	mg/L	0.546			0.294	0.363	0.546			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L	ND			ND	ND	1.78			EPA 900.0		1.10 - 2.42	1.10 - 2.42
Gross beta radioactivity	pCi/L	7.53			2.47	4.16	7.53			EPA 900.0		1.26 - 2.26	1.26 - 2.26
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.52	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L	23.6			ND	ND	25.0		300 (1)	EPA 200.8		3.0	20.0
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.20	ND	ND	DNQ Est. Conc. 0.20	12 (2)	7 (2)	EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	0.00030	0.0012	ND	ND	0.00061	0.0012	0.11 (2)	0.051 (2)	EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.00050
Methoxychlor	ug/L				ND	ND	ND			EPA 608		0.001 - 0.002	0.01
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.23	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.15	1.0
Nickel	ug/L	1.31	1.17	1.18	1.15	1.24	1.41	117 (2)	89 (2)	EPA 200.8	1	0.10 - 0.12	1.00

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Nitrate + Nitrite as nitrogen	mg/L	5.70	5.51	5.29	5.02	5.88	5.38	5.70	5.47	4.31
Nitrate as nitrogen	mg/L	5.65	5.46	5.26	4.99	5.85	5.36	5.66	5.43	4.26
Nitrite as nitrogen	mg/L	0.053	0.052	ND	0.030	0.032	ND	0.042	0.040	0.051
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 6.3						DNQ Est. Conc. 4.8		
OctaCDF	pg/L	ND						ND		
Oil and grease	mg/L	ND		ND	ND			ND		
Organic nitrogen	mg/L	0.700	1.16	1.43	1.12	1.00	1.07	1.35	1.14	1.00
Orthophosphate-P	mg/L								0.678	
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 7.7		
PCB-129/138/163	pg/L							DNQ Est. Conc. 9.6 (5)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 11 (6)		
PCB-90/101/113	pg/L							DNQ Est. Conc. 13 (5)		
PCB-105	pg/L							ND		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 6.6 (5) (6)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-158	pg/L							ND		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							ND		
PCB-180	pg/L							ND		
PCB-183	pg/L							ND		
PCB-187	pg/L							ND		
PCB-189	pg/L							ND		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							ND		
PCB-52	pg/L							DNQ Est. Conc. 25		
PCB-66	pg/L							DNQ Est. Conc. 3.4 (6)		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-99	pg/L							DNQ Est. Conc. 5.3 (5)		
PCB-110/115	pg/L							DNQ Est. Conc. 13 (5)		
PCB-128/166	pg/L							ND		
PCB-135/151	pg/L							ND		
PCB-147/149	pg/L							DNQ Est. Conc. 7.0 (5)		
PCB-153/168	pg/L							DNQ Est. Conc. 6.7 (5)		
PCB-156/157	pg/L							ND		
PCB-18/30	pg/L							DNQ Est. Conc. 10 (6)		
PCB-180/193 (1)	pg/L							DNQ Est. Conc. 7.7		
PCB-20/28	pg/L							DNQ Est. Conc. 16		
PCB-44/47/65	pg/L							DNQ Est. Conc. 69		
PCB-49/69	pg/L							DNQ Est. Conc. 7.9		
PCBs as congeners	ug/L							ND		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.24	0.27	0.19	0.17	0.15		0.53		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	5.1						DNQ Est. Conc. 0.35		
pH	SU	7.4	7.4	7.4	7.4	7.3	7.4	7.3	7.3	7.4
Polychlorinated biphenyls (PCBs)	ug/L	ND			ND			ND		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	DNQ Est. Conc. 0.70			DNQ Est. Conc. 0.59			DNQ Est. Conc. 0.43		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	ND			ND			ND		
Sulfate	mg/L	142	146	145	141	142	137	136	134	134
Surfactant (CTAS)	mg/L	ND			ND			ND		
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.10		
Temperature	Degrees F	72.9	72.7	73.6	74.4	76.6	78.9	81.7	83.5	83.4
Tetrachloroethene	ug/L	ND		ND	ND			ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	DNQ Est. Conc. 0.21						DNQ Est. Conc. 0.22		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 2.74	DNQ Est. Conc. 2.90	ND	DNQ Est. Conc. 3.03	DNQ Est. Conc. 2.38	DNQ Est. Conc. 2.82	DNQ Est. Conc. 1.48	DNQ Est. Conc. 1.54	DNQ Est. Conc. 1.01
Total dissolved solids	mg/L	697	673	623	666	650	643	659	650	640
Total hardness (CaCO3)	mg/L	231	224	243	212	207	193	194	191	205
Total Kjeldahl Nitrogen (TKN)	mg/L	1.76	2.16	2.49	2.06	1.92	2.00	2.13	2.00	2.07
Total nitrogen	mg/L	7.46	7.67	7.78	7.08	7.8	7.38	7.83	7.47	6.38
Total phosphorus	mg/L								0.714	
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND		ND	ND	ND	ND

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Nitrate + Nitrite as nitrogen	mg/L	5.95	4.37	4.11	4.11	5.22	5.95		7.1 (1)(2)	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	5.92	4.32	4.07	4.07	5.19	5.92		7.1 (1)(2)	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.033	0.045	0.044	0.030	0.041	0.051		0.9 (1)(2)	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
OctaCDD	pg/L				ND	ND	ND			EPA 1613B		0.35	110
OctaCDF	pg/L				ND	ND	ND			EPA 1613B		0.83	110
Oil and grease	mg/L	ND			ND	ND	ND	15 (1)(2)	10 (1)(2)	EPA 1664A		0.8	4.4
Organic nitrogen	mg/L	1.14	0.816	1.01	0.700	1.08	1.43			EPA 351.2/SM 4500NH3G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.251			0.251	0.465	0.678			EPA 365.1		0.001	0.030
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7			EPA 1668		2.2	1300
PCB-129/138/163	pg/L				DNQ Est. Conc. 9.6	ND	DNQ Est. Conc. 9.6			EPA 1668		2.0	650
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668		2.0	870
PCB-90/101/113	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		2.2	650
PCB-105	pg/L				ND	ND	ND			EPA 1668		2.2	22
PCB-114	pg/L				ND	ND	ND			EPA 1668		2.0	22
PCB-118	pg/L				DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6			EPA 1668		1.9	22
PCB-123	pg/L				ND	ND	ND			EPA 1668		1.9	22
PCB-126	pg/L				ND	ND	ND			EPA 1668		3.1	22
PCB-158	pg/L				ND	ND	ND			EPA 1668		1.6	220
PCB-167	pg/L				ND	ND	ND			EPA 1668		1.3	22
PCB-169	pg/L				ND	ND	ND			EPA 1668		2.0	22
PCB-170	pg/L				ND	ND	ND			EPA 1668		1.7	220
PCB-180	pg/L				ND	ND	ND			EPA 1668		2.3	220
PCB-183	pg/L				ND	ND	ND			EPA 1668		1.7	220
PCB-187	pg/L				ND	ND	ND			EPA 1668		2.0	22
PCB-189	pg/L				ND	ND	ND			EPA 1668		2.6	220
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.98	220
PCB-206	pg/L				ND	ND	ND			EPA 1668		1.9	220
PCB-37	pg/L				ND	ND	ND			EPA 1668		4.9	220
PCB-52	pg/L				DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25			EPA 1668		2.0	220
PCB-66	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		2.3	220
PCB-77	pg/L				ND	ND	ND			EPA 1668		2.5	22
PCB-81	pg/L				ND	ND	ND			EPA 1668		2.3	22
PCB-99	pg/L				DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3			EPA 1668		2.3	220
PCB-110/115	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13			EPA 1668		1.9	430
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		2.0	430
PCB-135/151	pg/L				ND	ND	ND			EPA 1668		2.1	430
PCB-147/149	pg/L				DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0			EPA 1668		2.0	430
PCB-153/168	pg/L				DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 6.7			EPA 1668		1.7	430
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		1.9	43
PCB-18/30	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		3.3	430
PCB-180/193 (1)	pg/L				DNQ Est. Conc. 7.7	ND	DNQ Est. Conc. 7.7			EPA 1668		1.3	430
PCB-20/28	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		3.7	430
PCB-44/47/65	pg/L				DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69			EPA 1668		1.8	650
PCB-49/69	pg/L				DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 7.9			EPA 1668		1.6	430
PCBs as congeners	ug/L				ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.64	1.0
Perchlorate	ug/L	ND			ND	0.19	0.53		6 (1)	EPA 331.0		0.0201 - 0.201	0.05 - 0.5
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
Phenol	ug/L				ND	ND	5.1			EPA 625	1	0.10	1.0
pH	SU	7.3	7.4	7.3	7.4	7.3	7.4			SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L	ND			ND	ND	ND			EPA 608			
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.39			ND	ND	DNQ Est. Conc. 0.70			EPA 200.8	2	0.04 - 0.10	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3 (1)(2)	0.1 (1)(2)	SM 2540F		0.1	0.1
Silver	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.01 - 0.02	0.20
Strontium-90	pCi/L	ND			ND	ND	ND	8 (1)(2)		EPA 905.0		0.546 - 0.682	0.546 - 0.682
Sulfate	mg/L	132	138	133	141	143	146		300 (1)(2)	EPA 300.0		0.360 - 0.550	2.00 - 2.50
Surfactant (CTAS)	mg/L	ND			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND			ND	ND	0.10		0.5 (1)(2)	SM 5540C		0.03	0.10
Temperature	Degrees F	81.3	76.4	72.8	72.7	74.0	76.6	86 (1) (2)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND			EPA 200.8	1	0.010	0.25
Toluene	ug/L				ND	ND	DNQ Est. Conc. 0.22			EPA 624	2	0.19	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	23 (4)		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.69	DNQ Est. Conc. 1.84	ND	ND	ND	DNQ Est. Conc. 3.03	9.4 (1)/8.9 (2)	3.9 (1)/4.1 (2)	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	628	656	640	623	662	697		1000 (1)(2)	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	200	199	196	207	223	243			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.04	1.78	2.26	1.76	2.08	2.49			EPA 351.2		0.135 - 0.338	0.200 - 0.500
Total nitrogen	mg/L	7.99	6.15	6.37	7.08	7.56	7.80			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.404			0.404	0.559	0.714			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1 (1)(2)		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45 (1)(2)	15 (1)(2)	SM 2540D		2.5	2.5

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total trihalomethanes	ug/L	69.5	49.8	48.7	52.0	48.5	55.4	43.3	38.5	48.1
Toxaphene	ug/L	ND						ND		
Toxic equivalence	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	ND			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.74	0.65	0.57	0.73	0.83	0.58	0.60	0.50	0.58
Uranium	pCi/L	0.278			0.000			0.557		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	59.6			66.7		65.3	65.4	67.1	62

Saugus Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Total trihalomethanes	ug/L	41.7	31.0	35.8	48.5	53.7	69.5		80 (1)(2)	EPA 624			0.50
Toxaphene	ug/L				31.0	46.9	69.5			EPA 608	0.5	0.04	0.5
Toxic equivalence	ug/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Tritium	pCi/L	ND			ND	ND	ND	2000 (1)(2)		EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.61	0.65	0.92	0.57	0.70	0.83	2 (1)(2)		SM 2130B		0.12	0.12
Uranium	pCi/L	0.000			0.000	0.209	0.557			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L	67.9	71.6	68.2	59.6	66.0	71.6	218 (2)	189 (2)	EPA 200.8	1	0.44 - 0.66	1.00

(1) Permit limit in Order No. R4-2009-0075 in effect until May 2, 2015.
(2) Permit limit in Order No. R4-2015-0072 in effect starting May 3, 2015.
(3) The chloride limit is equal to the sum of the state Water Project treated water supply chloride concentration plus 88 mg/L, expressed as a12-month rolling average, not to exceed a daily maximum of 230 mg/L.
(4) Number of coliforms may not exceed 23/100 mL in more than one sample during any 30-day period and any sample cannot exceed 240/100 mL.
(5) Compound was found in the blank and sample.
(6) The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ration. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Valencia WRP Influent Monitoring

Valencia Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	DNQ Est. Conc. 0.22						ND		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	32.1	31.4	31.5	33.5	32.0				
Anthracene	ug/L	ND						ND		
Antimony	ug/L	DNQ Est. Conc. 0.49						1.02		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	1.20						1.87		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		

Valencia Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.0	10.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.22	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	13.1 - 35.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.8 - 2.0	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.33 - 0.37	11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.5	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	1.1 - 3.6	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	17.3 - 20.1	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	2.0 - 2.2	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.7	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 2.2	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	6.6 - 11.6	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	2.1 - 2.8	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	1.7 - 3.3	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	13.3 - 13.7	100
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 3.8	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L				31.4	32.1	33.5	SM 4500 NH3 G		0.400 - 0.800	2.00 - 4.00
Anthracene	ug/L				ND	ND	ND	EPA 625	10	1.6 - 1.8	100
Antimony	ug/L				DNQ Est. Conc. 0.49	0.51	1.02	EPA 200.8	0.5	0.05 - 0.07	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.05	0.1
Arsenic	ug/L				1.20	1.54	1.87	EPA 200.8	2	0.15 - 0.16	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	15.7 - 16.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	1.5 - 1.9	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	1.3 - 1.9	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	2.2 - 2.3	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.010 - 0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	1.3 - 5.0	50.0

Valencia Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND						DNQ Est. Conc. 10.8		
BOD	mg/L	259	287	292	290	285	285	295	267	265
Bromodichloromethane	ug/L	0.61						0.66		
Bromoform	ug/L	1.4						1.4		
Butyl benzyl phthalate	ug/L	ND						DNQ Est. Conc. 4.4		
Cadmium	ug/L	DNQ Est. Conc. 0.16						0.34		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	152	123	132	162	262	124	126	125	131
Chlorobenzene	ug/L	ND						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	2.1						2.8		
Chromium III	ug/L							3.62		
Chromium VI	ug/L	0.36						0.21		
Chromium, total (24-hr composite)	ug/L	2.22						3.59		
Chromium, total	ug/L							3.83		
Chrysene	ug/L	ND						ND		
Copper	ug/L	179						183		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dibromochloromethane	ug/L	0.97						0.84		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.4						DNQ Est. Conc. 5.6		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	1.33						1.83		
Mercury	ug/L	0.06						0.06		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						ND		
Methylene chloride	ug/L	DNQ Est. Conc. 0.23						DNQ Est. Conc. 0.19		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	4.19						5.31		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							120		
PCB-110/115	pg/L							DNQ Est. Conc. 370		
PCB-114	pg/L							DNQ Est. Conc. 10		
PCB-118	pg/L							290		

Valencia Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	1.3 - 1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	1.6 - 2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 10.8	EPA 625	5	1.7 - 2.5	20.0
BOD	mg/L	212	278	293	212	276	295	SM 5210B		0.6	85.7 - 120
Bromodichloromethane	ug/L				0.61	0.64	0.66	EPA 624	2	0.17	0.50
Bromoform	ug/L				1.4	1.4	1.4	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 4.4	EPA 625	10	1.0 - 1.6	100
Cadmium	ug/L				DNQ Est. Conc. 0.16	0.17	0.34	EPA 200.8	0.25	0.030 - 0.070	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.03	0.05
Chloride	mg/L	131	134	124	123	144	262	EPA 300.0		0.200 - 0.600	8.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L				2.1	2.5	2.8	EPA 624	2	0.18	0.50
Chromium III	ug/L				3.62	3.62	3.62	EPA 200.8			0.50
Chromium VI	ug/L				0.21	0.29	0.36	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (24-hr composite)	ug/L				2.22	2.91	3.59	EPA 200.8	0.5	0.04 - 0.11	0.50
Chromium, total	ug/L				3.83	3.83	3.83	EPA 200.8	0.5	0.11	0.5
Chrysene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.7	100
Copper	ug/L				179	181	183	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0 - 1.6	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.2 - 1.6	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	1.4 - 1.5	100
Dibromochloromethane	ug/L				0.84	0.91	0.97	EPA 624	2	0.14	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 5.6	EPA 625	2	2.1 - 2.7	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	1.9 - 2.6	20.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	1.0 - 1.9	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	1.8 - 3.0	100
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	1.1 - 1.8	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	1.4 - 3.3	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	5.2 - 7.5	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	1.3 - 1.4	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.5	10.0
Lead	ug/L				1.33	1.58	1.83	EPA 200.8	0.5	0.03	0.25
Mercury	ug/L				0.06	0.06	0.06	EPA 245.1	0.5	0.01	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	1.2 - 1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	1.4 - 3.2	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	1.5 - 2.3	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	1.5 - 1.8	10.0
Nickel	ug/L				4.19	4.75	5.31	EPA 200.8	1	0.10 - 0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	1.3 - 2.2	10.0
PCB-105	pg/L				120	120	120	EPA 1668		7.6	22
PCB-110/115	pg/L				DNQ Est. Conc. 370	ND	DNQ Est. Conc. 370	EPA 1668		6.8	450
PCB-114	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		7.7	22
PCB-118	pg/L				290	290	290	EPA 1668		7.4	22

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Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-123	pg/L							DNQ Est. Conc. 11		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 35		
PCB-129/138/163	pg/L							DNQ Est. Conc. 250		
PCB-135/151	pg/L							DNQ Est. Conc. 51		
PCB-147/149	pg/L							DNQ Est. Conc. 160		
PCB-153/168	pg/L							DNQ Est. Conc. 180		
PCB-156/157	pg/L							DNQ Est. Conc. 44		
PCB-158	pg/L							DNQ Est. Conc. 23		
PCB-167	pg/L							DNQ Est. Conc. 11		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 65		
PCB-177	pg/L							DNQ Est. Conc. 38		
PCB-18/30	pg/L							DNQ Est. Conc. 130		
PCB-180/193	pg/L							DNQ Est. Conc. 170		
PCB-180	pg/L							DNQ Est. Conc. 39		
PCB-183	pg/L							DNQ Est. Conc. 55		
PCB-187	pg/L							ND		
PCB-189	pg/L							DNQ Est. Conc. 39		
PCB-20/28	pg/L							DNQ Est. Conc. 220		
PCB-201	pg/L							ND		
PCB-206	pg/L							DNQ Est. Conc. 19		
PCB-37	pg/L							DNQ Est. Conc. 49		
PCB-44/47/65	pg/L							DNQ Est. Conc. 250		
PCB-49/69	pg/L							DNQ Est. Conc. 95		
PCB-52	pg/L							400		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 340		
PCB-66	pg/L							DNQ Est. Conc. 150		
PCB-77	pg/L							DNQ Est. Conc. 13		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 260		
PCB-90/101/113	pg/L							DNQ Est. Conc. 400		
PCB-99	pg/L							DNQ Est. Conc. 160		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	32.6						34.5		
pH	SU	7.9	8.1	8.1	8.1	8.0	7.9	7.7	7.8	7.9
Polychlorinated biphenyls (PCBs)	ug/L	ND						ND		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.62						1.58		
Silver	ug/L	0.79						0.71		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	1.8						0.96		
Total cyanide	ug/L	7.98						DNQ Est. Conc. 2.56		
Total suspended solids	mg/L	321	373	346	334	330	324	381	343	323
Total trihalomethanes	ug/L	5.1						5.7		
Total PCB Congeners	pg/L							810		
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	133						172		

Valencia Water Reclamation Plant
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Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-123	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		7.4	22
PCB-126	pg/L				ND	ND	ND	EPA 1668		9.3	22
PCB-128/166	pg/L				DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		3.4	450
PCB-129/138/163	pg/L				DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668		3.4	670
PCB-135/151	pg/L				DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668		3.5	450
PCB-147/149	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		3.4	450
PCB-153/168	pg/L				DNQ Est. Conc. 180	ND	DNQ Est. Conc. 180	EPA 1668		2.9	450
PCB-156/157	pg/L				DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668		7.0	45
PCB-158	pg/L				DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668		2.6	220
PCB-167	pg/L				DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		5.0	22
PCB-169	pg/L				ND	ND	ND	EPA 1668		6.8	22
PCB-170	pg/L				DNQ Est. Conc. 65	ND	DNQ Est. Conc. 65	EPA 1668		4.2	220
PCB-177	pg/L				DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668		3.7	220
PCB-18/30	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		4.7	450
PCB-180/193	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		3.2	450
PCB-180	pg/L				DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		2.9	220
PCB-183	pg/L				DNQ Est. Conc. 55	ND	DNQ Est. Conc. 55	EPA 1668		3.3	220
PCB-187	pg/L				ND	ND	ND	EPA 1668		4.4	22
PCB-189	pg/L				DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		7.5	220
PCB-20/28	pg/L				DNQ Est. Conc. 220	ND	DNQ Est. Conc. 220	EPA 1668		22	450
PCB-201	pg/L				ND	ND	ND	EPA 1668		2.2	220
PCB-206	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		7.2	220
PCB-37	pg/L				DNQ Est. Conc. 49	ND	DNQ Est. Conc. 49	EPA 1668		23	220
PCB-44/47/65	pg/L				DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668		2.2	670
PCB-49/69	pg/L				DNQ Est. Conc. 95	ND	DNQ Est. Conc. 95	EPA 1668		1.9	450
PCB-52	pg/L				400	400	400	EPA 1668		2.5	220
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 340	ND	DNQ Est. Conc. 340	EPA 1668		4.6	890
PCB-66	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		5.3	220
PCB-77	pg/L				DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		6.3	22
PCB-81	pg/L				ND	ND	ND	EPA 1668		5.7	22
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 260	ND	DNQ Est. Conc. 260	EPA 1668		7.8	1300
PCB-90/101/113	pg/L				DNQ Est. Conc. 400	ND	DNQ Est. Conc. 400	EPA 1668		7.9	670
PCB-99	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		8.5	220
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	3.8 - 6.4	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	1.1 - 1.9	50.0
Phenol	ug/L				32.6	33.6	34.5	EPA 625	1	1.0 - 1.4	10.0
pH	SU	7.7	7.7	7.7	7.7	7.9	8.1	SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L				ND	ND	ND	EPA 608			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	1.9 - 2.7	100
Selenium	ug/L				1.58	1.60	1.62	EPA 200.8	2	0.04 - 0.10	1.00
Silver	ug/L				0.71	0.75	0.79	EPA 200.8	0.25	0.01 - 0.03	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L				0.96	1.4	1.8	EPA 624	2	0.19	0.50
Total cyanide	ug/L				DNQ Est. Conc. 2.56	3.99	7.98	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	353	377	381	321	349	381	SM 2540D		100	100
Total trihalomethanes	ug/L				5.1	5.4	5.7	EPA 624			0.50
Total PCB Congeners	pg/L				810	810	810	EPA 1668			
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				133	153	172	EPA 200.8	1	0.44 - 0.66	1.00

Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND		ND				ND			
1,1-Dichloroethene	ug/L	ND		ND				ND			
1,1,1-Trichloroethane	ug/L	ND		ND				ND			
1,1,2-Trichloroethane	ug/L	ND		ND				ND			
1,1,2,2-Tetrachloroethane	ug/L	ND		ND				ND			
1,2-Dichlorobenzene	ug/L	ND		ND				ND			
1,2-Dichloroethane	ug/L	ND		ND				ND			
1,2-Dichloropropane	ug/L	ND		ND				ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 1.8						DNQ Est. Conc. 0.83			ND
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 0.93						DNQ Est. Conc. 3.0			ND
1,2,3,4,7,8-HexaCDD	pg/L	ND						ND			ND
1,2,3,4,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 1.6			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND			ND
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			ND
1,2,3,6,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.42			ND
1,2,3,7,8-PentaCDD	pg/L	ND						ND			ND
1,2,3,7,8-PentaCDF	pg/L	ND						ND			ND
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND			ND
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND			ND
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND		ND				ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND		ND				ND			
1,4-Dioxane	ug/L	0.72						0.73			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND				ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND			ND
2,3,4,7,8-PentaCDF	pg/L	ND						ND			ND
2,3,7,8-TCDD	pg/L	ND						ND			ND
2,3,7,8-TetraCDF	pg/L	ND						ND			ND
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.19 - 1.1	54 - 59
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.0			EPA 1613B		0.34 - 0.64	54 - 59
1,2,3,4,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.35 - 0.57	54 - 59
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 1.6			EPA 1613B		0.23 - 0.46	54 - 59
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND			EPA 1613B		0.48 - 0.96	54 - 59
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.32 - 0.51	54 - 59
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.42			EPA 1613B		0.21 - 0.39	54 - 59
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		0.40 - 0.88	54 - 59
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.36 - 0.51	54 - 59
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.29 - 0.46	54 - 59
1,2,3,7,8,9-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.22 - 0.44	54 - 59
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L			0.72	0.73	0.73			SW-846 8270MOD 1,4-Dioxane		0.04	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.3 - 3.5	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.21 - 0.38	54 - 59
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.39 - 0.53	54 - 59
2,3,7,8-TCDD	pg/L			ND	ND	ND	0.028 (2)	0.014 (2)	EPA 1613B		0.24 - 0.63	11 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.16 - 0.42	11 - 12
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.15	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.11 - 0.36	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	1.7 - 2.0	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.20 - 0.22	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.17	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.22	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.66 - 1.2	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.21 - 0.28	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.17 - 0.33	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3 - 1.4	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.38	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.14 - 0.22	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	1.00	0.728	1.04	1.35	0.716	0.820	0.685	0.895	0.847	0.919
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.50						0.55			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.64	DNQ Est. Conc. 0.55	DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.96	DNQ Est. Conc. 0.88	DNQ Est. Conc. 0.90	DNQ Est. Conc. 0.66	1.02	DNQ Est. Conc. 0.70
Barium	mg/L	0.00795			0.00916			0.00827			0.0113
Benzene	ug/L	ND		ND				ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene	ug/L	ND						ND			
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND		ND	ND	ND	ND	ND
BOD	mg/L	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.61	0.59	0.54	0.54	0.52	0.53	0.52	0.47	0.53	0.56
Bromodichloromethane	ug/L	22.9	17.8	19.9	17.0	20.9	21.7	18.6	19.7	18.1	16.8
Bromoform	ug/L	3.0	2.3	2.6	2.0	3.5	3.5	3.3	3.8	3.1	3.1
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			DNQ Est. Conc. 0.065			ND
Carbon tetrachloride	ug/L	ND		ND				ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	146	136	161	150	158	136	143	142	141	139
Chlorobenzene	ug/L	ND		ND				ND			
Chloroethane	ug/L	ND		ND				ND			
Chloroform	ug/L	23.0	14.4	15.8	14.2	14.4	15.2	15.5	14.2	13.8	11.4
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						ND			
Chromium VI	ug/L	0.06		0.026				DNQ Est. Conc. 0.03			
Chromium, total (24-hr composite)	mg/L	DNQ Est. Conc. 0.00030			DNQ Est. Conc. 0.00027			DNQ Est. Conc. 0.00030			DNQ Est. Conc. 0.00016
Chromium, total	ug/L	DNQ Est. Conc. 0.27		DNQ Est. Conc. 0.24				DNQ Est. Conc. 0.30			
Chrysene	ug/L	ND						ND			
Copper	ug/L	2.32			2.40	2.56	1.30	2.82	1.58	1.58	1.04
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ammonia as nitrogen	mg/L	0.949	0.813	0.685	0.897	1.35	5.2	1.75	SM 4500 NH3 G		0.020 - 0.040	0.100 - 0.200
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.16 - 0.18	10.0
Antimony	ug/L			0.50	0.53	0.55			EPA 200.8	0.5	0.07 - 0.13	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.08	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.03	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.05	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.58	DNQ Est. Conc. 0.77	DNQ Est. Conc. 0.50	0.085	1.02		10 (1)	EPA 200.8	2	0.14 - 0.16	1.00
Barium	mg/L			0.00795	0.00917	0.0113			EPA 200.8		0.00005 - 0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.6 - 1.7	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.19	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.040	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.13 - 0.50	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.16 - 0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.51	DNQ Est. Conc. 0.48	ND	ND	DNQ Est. Conc. 0.51		4 (2)	EPA 625	5	0.17 - 0.25	2.0
BOD	mg/L	ND	ND	ND	0.28	3.4	45	20	SM 5210B		0.6	3.0
Boron	mg/L	0.62	0.52	0.47	0.55	0.62		1.5	EPA 200.8		0.002 - 0.008	0.020
Bromodichloromethane	ug/L	18.1	19.0	16.8	19.2	22.9			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	3.0	2.7	2.0	3.0	3.8			EPA 624	2	0.10 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Cadmium	ug/L			ND	ND	DNQ Est. Conc. 0.065			EPA 200.8	0.25	0.030 - 0.040	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.03	0.05
Chloride	mg/L	143	136	136	144	161	230		EPA 300.0		0.250 - 0.750	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L	12.3	14.3	11.4	14.9	23.0			EPA 624	2	0.09 - 0.19	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.0060	0.10
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.03	0.03	0.06			EPA 218.6 (Dissolved)		0.0048 - 0.01	0.020 - 0.05
Chromium, total (24-hr composite)	mg/L			DNQ Est. Conc. 0.00016	ND	DNQ Est. Conc. 0.00030			EPA 200.8	0.0005	0.00004 - 0.00011	0.00050
Chromium, total	ug/L			DNQ Est. Conc. 0.24	ND	DNQ Est. Conc. 0.27			EPA 200.8	0.5	0.00004 - 0.00011	0.00050
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	1.24	1.32	1.04	1.82	2.82	39 (2)	12 (2)	EPA 200.8	0.5	0.04 - 0.16	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.003	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.10 - 0.16	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12 - 0.16	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.0060	0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020

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Parameter	Units	January	February	March	April	May	June	July	August	September	October
Dibromochloromethane	ug/L	13.6	10.3	11	8.6	13.3	12.2	12.1	14.2	12.0	10.4
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.4	8.0	8.1	7.7	7.6	7.6	7.6	7.2	7.5	7.7
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND		ND				ND			
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.379			0.420			0.401			0.419
gamma-BHC (Lindane)	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	1.61			1.17			1.36			2.85
Gross beta radioactivity	pCi/L	3.78			1.52			7.99			7.85
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Iron	ug/L	68.1	71.7	68.9	76.2	68.9	93.1	54.6	70.0	68.6	84.8
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.05			DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.10			DNQ Est. Conc. 0.03
Mercury	ug/L	0.00040	0.00054	0.00024	0.00056	DNQ Est. Conc. 0.00040	0.00070	0.00091	0.00075	0.00022	0.00050
Methyl bromide (Bromomethane)	ug/L	ND		ND				ND			
Methyl chloride (Chloromethane)	ug/L	ND		ND				ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND		ND				ND			
Methylene chloride	ug/L	ND		ND				ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	2.08			2.73			2.79			2.49
Nitrate + nitrite as nitrogen	mg/L	2.66	2.45	2.23	2.27	3.31	1.96	2.39	2.52	2.43	1.69
Nitrate as nitrogen	mg/L	2.64	2.43	2.21	2.23	3.28	1.94	2.37	2.49	2.40	1.66
Nitrite as nitrogen	mg/L	ND	ND	ND	0.042	ND	ND	ND	0.030	ND	ND
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 9.8						DNQ Est. Conc. 3.9			DNQ Est. Conc. 3.1
OctaCDF	pg/L	ND						DNQ Est. Conc. 5.2			DNQ Est. Conc. 2.6
Oil and grease	mg/L	ND		ND	1.1			ND			ND
Organic nitrogen	mg/L	1.12	1.14	1.18	0.680	1.20	1.01	1.05	1.24	1.09	1.05
Orthophosphate-P	mg/L								0.652		0.704
PCB-105	pg/L							ND			
PCB-110/115	pg/L							DNQ Est. Conc. 7.8			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 3.7 (3)(4)			

Valencia Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Dibromochloromethane	ug/L	11.9	11.3	8.6	12	14.2			EPA 624	2	0.06 - 0.14	0.50
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.21 - 0.27	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.19 - 0.26	2.0
Dissolved oxygen	mg/L	7.7	8.0	7.2	7.8	8.4			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 & SM 9223 Quanti-Tray		1.1	1.0 - 1.1
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.10 - 0.19	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.18 - 0.30	10.0
Fluoride	mg/L			0.379	0.405	0.420			SM 4500 F C		0.003 - 0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L			1.17	1.75	2.85			EPA 900.0		1.35 - 2.87	1.35 - 2.87
Gross beta radioactivity	pCi/L			1.52	5.29	7.99			EPA 900.0		1.26 - 2.26	1.26 - 2.26
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.11 - 0.18	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.14 - 0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.52 - 0.75	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L	92.3	90.8	54.6	75.7	93.1		300	EPA 200.8		3.0 - 5.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.25	1.0
Lead	ug/L			DNQ Est. Conc. 0.03	ND	DNQ Est. Conc. 0.10			EPA 200.8	0.5	0.01 - 0.03	0.25
Mercury	ug/L	ND	DNQ Est. Conc. 0.00045	ND	0.00040	0.00091	0.094 (1)	0.051 (1)	EPA 1631	0.5	0.00011 - 0.00031	0.00020 - 0.0005
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.12 - 0.19	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625	5	0.14 - 0.32	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.23	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.15 - 0.18	1.0
Nickel	ug/L			2.08	2.52	2.79			EPA 200.8	1	0.12 - 0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	2.01	1.67	1.67	2.30	3.31		6.8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	1.98	1.64	1.64	2.27	3.28		6.8	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.030	ND	ND	0.0085	0.042		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.13 - 0.22	1.0
OctaCDD	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 9.8			EPA 1613B		0.23 - 1.3	110 - 120
OctaCDF	pg/L			ND	ND	DNQ Est. Conc. 5.2			EPA 1613B		0.30 - 1.1	110 - 120
Oil and grease	mg/L			ND	0.22	1.1	15	10	EPA 1664A		0.80 - 1.0	1.0 - 5.2
Organic nitrogen	mg/L	1.03	1.28	0.680	1.09	1.28			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L			0.652	0.678	0.704			EPA 365.1		0.001	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.8	22
PCB-110/115	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8			EPA 1668		1.4	430
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.7	22
PCB-118	pg/L			DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668		1.6	22

Valencia Water Reclamation Plant
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Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 4.3			
PCB-135/151	pg/L							ND			
PCB-147/149	pg/L							DNQ Est. Conc. 3.4 (3)			
PCB-153/168	pg/L							DNQ Est. Conc. 2.9 (3)			
PCB-156/157	pg/L							ND			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-18/30	pg/L							DNQ Est. Conc. 12			
PCB-180/193	pg/L							DNQ Est. Conc. 1.6			
PCB-180	pg/L							ND			
PCB-183	pg/L							ND			
PCB-187	pg/L							ND			
PCB-189	pg/L							ND			
PCB-20/28	pg/L							DNQ Est. Conc. 8.1 (3)			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			
PCB-37	pg/L							ND			
PCB-44/47/65	pg/L							DNQ Est. Conc. 23			
PCB-49/69	pg/L							DNQ Est. Conc. 3.9 (3)			
PCB-52	pg/L							DNQ Est. Conc. 25			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 7.6			
PCB-66	pg/L							ND			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 3.1 (3)			
PCB-90/101/113	pg/L							DNQ Est. Conc. 7.9 (4)			
PCB-99	pg/L							DNQ Est. Conc. 2.0 (3)			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.25						0.83			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.51						DNQ Est. Conc. 0.78			
pH	SU	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5
Polychlorinated biphenyls (PCBs)	ug/L	ND						ND			
Pyrene	ug/L	ND						ND			
Selenium	ug/L	DNQ Est. Conc. 0.80	DNQ Est. Conc. 0.72	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.62	DNQ Est. Conc. 0.66	DNQ Est. Conc. 0.59	DNQ Est. Conc. 0.61	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.47
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	0.469			ND			ND			0.625
Sulfate	mg/L	210	215	211	204	218	218	213	215	206	215
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		ND			ND
Temperature	Degrees F	73.9	74.0	75.8	77.3	78.4	80.6	82.9	84.1	84.7	82.8
Tetrachloroethene	ug/L	ND		ND				ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	ND		ND				ND			
Total chlorinated hydrocarbons (TICH)	mg/L	ND			ND			ND			ND

Valencia Water Reclamation Plant
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Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.6	22
PCB-126	pg/L			ND	ND	ND			EPA 1668		2.9	22
PCB-128/166	pg/L			ND	ND	ND			EPA 1668		1.9	430
PCB-129/138/163	pg/L			DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3			EPA 1668		1.9	650
PCB-135/151	pg/L			ND	ND	ND			EPA 1668		2.0	430
PCB-147/149	pg/L			DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		1.9	430
PCB-153/168	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.6	430
PCB-156/157	pg/L			ND	ND	ND			EPA 1668		2.4	43
PCB-158	pg/L			ND	ND	ND			EPA 1668		1.5	220
PCB-167	pg/L			ND	ND	ND			EPA 1668		1.6	22
PCB-169	pg/L			ND	ND	ND			EPA 1668		3.0	22
PCB-170	pg/L			ND	ND	ND			EPA 1668		1.5	220
PCB-177	pg/L			ND	ND	ND			EPA 1668		1.3	220
PCB-18/30	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		3.1	430
PCB-180/193	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		1.1	430
PCB-180	pg/L			ND	ND	ND			EPA 1668		1.0	220
PCB-183	pg/L			ND	ND	ND			EPA 1668		1.7	220
PCB-187	pg/L			ND	ND	ND			EPA 1668		2.7	22
PCB-189	pg/L			ND	ND	ND			EPA 1668		2.3	220
PCB-20/28	pg/L			DNQ Est. Conc. 8.1	ND	DNQ Est. Conc. 8.1			EPA 1668		3.1	430
PCB-201	pg/L			ND	ND	ND			EPA 1668		1.3	220
PCB-206	pg/L			ND	ND	ND			EPA 1668		2.4	220
PCB-37	pg/L			ND	ND	ND			EPA 1668		6.1	220
PCB-44/47/65	pg/L			DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23			EPA 1668		1.6	650
PCB-49/69	pg/L			DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 3.9			EPA 1668		1.4	430
PCB-52	pg/L			DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25			EPA 1668		1.8	220
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6			EPA 1668		1.8	860
PCB-66	pg/L			ND	ND	ND			EPA 1668		2.1	220
PCB-77	pg/L			ND	ND	ND			EPA 1668		3.5	22
PCB-81	pg/L			ND	ND	ND			EPA 1668		3.2	22
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1			EPA 1668		1.6	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 7.9			EPA 1668		1.6	650
PCB-99	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668		1.7	220
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.38 - 0.64	1.0
Perchlorate	ug/L			0.25	0.54	0.83			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.11 - 0.19	5.0
Phenol	ug/L			DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 0.78			EPA 625	1	0.10 - 0.14	1.0
pH	SU	7.4	7.4	7.4	7.5	7.5			SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L			ND	ND	ND			EPA 608			
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.19 - 0.27	10.0
Selenium	ug/L	DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44	ND	DNQ Est. Conc. 0.80	7.3 (1)/ 6.8 (2)	4.4 (1)/ 4.5 (2)	EPA 200.8	2	0.04 - 0.17	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			EPA 200.8	0.25	0.01 - 0.03	0.20
Strontium-90	pCi/L			ND	0.274	0.625	8		EPA 905.0		0.682	0.682
Sulfate	mg/L	217	218	204	213	218		400	EPA 300.0		0.300 - 1.10	2.50 - 5.00
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	77.9	75.2	73.9	79.0	84.7	86		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.010 - 0.020	0.25
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Total chlorinated hydrocarbons (TICH)	mg/L			ND	ND	ND			EPA 608			

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 2.38		ND	DNQ Est. Conc. 2.65		DNQ Est. Conc. 3.98	DNQ Est. Conc. 2.11	DNQ Est. Conc. 2.6	DNQ Est. Conc. 1.6	ND
Total dissolved solids	mg/L	791	741	783	822	811	797	790	879	772	778
Total hardness (CaCO3)	mg/L	315	295	307	301	293	288	306	289	284	294
Total Kjeldahl Nitrogen (TKN)	mg/L	2.12	1.87	2.22	2.03	1.92	1.83	1.74	2.13	1.94	1.96
Total nitrogen	mg/L	4.78	4.32	4.45	4.30	5.23	3.79	4.13	4.65	4.37	3.66
Total phosphorus	mg/L								0.682		0.701
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	62.5	44.8	49.1	41.8	52.1	52.6	49.5	51.9	47.0	41.7
Total PCB Congeners	pg/L							ND			
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND						ND			ND
trans-1,2-Dichloroethene	ug/L	ND		ND				ND			
Trichloroethene	ug/L	ND		ND				ND			
Tritium	pCi/L	ND			277			ND			ND
Turbidity	NTU	0.50	0.47	0.47	0.53	0.50	0.50	0.47	0.47	0.42	0.48
Uranium	pCi/L	0.756			ND			0.000			0.000
Vinyl chloride	ug/L	ND		ND				ND			
Zinc	ug/L	24.0			24.5			29.7			24.0

(1) NPDES Order R4-2009-0074 effective prior to May 3, 2015.
(2) NPDES Order R4-2015-0071 effective as of May 3, 2015.
(3) The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio.
The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
(4) Compound was found in the blank and sample.

Valencia Water Reclamation Plant
2015 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total coliform	No./100mL	ND	ND	ND	ND	ND	23		SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 2.0	DNQ Est. Conc. 2.2	ND	ND	DNQ Est. Conc. 3.98	7.0 (2)	4.7 (2)	SM 4500 CN E	5	1.00	5.00 - 5.0
Total dissolved solids	mg/L	771	799	741	795	879		1000	SM 2540C		2.7 - 7.7	25.0 - 71.4
Total hardness (CaCO3)	mg/L	288	287	284	296	315			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.98	2.09	1.74	1.99	2.22			EPA 351.2		0.135 - 0.338	0.200 - 0.500
Total nitrogen	mg/L	3.99	3.76	3.66	4.29	5.23			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.682	0.692	0.701			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	45.3	47.3	41.7	48.8	62.5		80	EPA 624			0.50
Total PCB Congeners	pg/L			ND	ND	ND			EPA 1668			
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Tritium	pCi/L			ND	69.3	277	20000		EPA 906.0		434	434
Turbidity	NTU	0.48	0.50	0.42	0.48	0.53	2		SM 2130B		0.12	0.12
Uranium	pCi/L			ND	0.189	0.756			EPA 908.0		0.300	0.300
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L			24.0	25.6	29.7			EPA 200.8	1	0.22 - 0.66	1.00

(1) NPDES Order R4-2009-0074 effective prior to May 3, 2015.
(2) NPDES Order R4-2015-0071 effective as of May 3, 2015.
(3) The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio.
The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
(4) Compound was found in the blank and sample.

Valencia WRP Biosolids Monitoring

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 32-04.01-55

Mr. Sam Unger, Executive Officer
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th St., Suite 200
Los Angeles, CA 90013

Annual Biosolids Monitoring Report
Valencia Water Reclamation Plant, NPDES No. CA0054216

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Melissa Fischer	Supervising Engineer, Monitoring Section
Printed Name of Person Signing	Official Title
	19 Feb 16
Signature	Date Signed

MF:TF:GS:nm
Enclosures

3607492

WATER RECLAMATION
SOLID WASTE MANAGEMENT

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

February 19, 2016
File No. 32-04.01-00

Ms. Lauren Fondahl
U.S. EPA - Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Ms. Fondahl:

Annual Biosolids Monitoring Report
Valencia Water Reclamation Plant, NPDES No. CA0054216

Enclosed is the Annual Monitoring Report for 2015 as required under 40 CFR Part 503.

I certify, under penalty of law, that the pathogen reduction requirements in 503.32(b)(3) and the vector attraction reduction requirements in 503.33(b)(1) have been met. These determinations have been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Should you have any questions or require additional information, please contact me at (562) 908-4288, extension 2824, or by email at mfischer@lacsd.org

Very truly yours,

Melissa Fischer
Monitoring Supervising Engineer
Technical Services Department

MF:MC:GS:nm
Enclosures

cc: Unger, Los Angeles RWQCB
Creedon, Central Valley RWQCB

3607492

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
VALENCIA WATER RECLAMATION PLANT

2015 ANNUAL BIOSOLIDS MONITORING REPORT

GENERAL INFORMATION

Operator:	County Sanitation Districts of Los Angeles County
Contact:	Melissa Fischer
Address:	1955 Workman Mill Road, P.O. Box 4998, Whittier, CA 90607
Telephone:	(562) 908-4288, extension 2824
Ownership Status:	Publicly Owned Treatment Works

FACILITY INFORMATION

Name:	Valencia Water Reclamation Plant
Location:	28185 The Old Road, Valencia, Ca. 91335
Telephone:	(661) 257-2549
NPDES Number:	CA0054216
Capacity/Influent Flow:	21.6 / 13.8 MGD-Valencia WRP [6.5 / 5.9 MGD – Saugus WRP]

BIOSOLIDS INFORMATION

Treatment: The Saugus and Valencia Water Reclamation Plants (WRPs) are operated as a regional system with all solids processing conducted at the Valencia WRP site. Saugus WRP excess flows and primary solids are transported to the Valencia facility through an interceptor sewer. Saugus WRP waste activated sludge is transferred through a force main. Primary sludge and thickened waste activated sludge are blended and anaerobically digested at an average temperature of 97.3 degrees Fahrenheit and detention time of 44 days. Volatile solids destruction (VSD) averaged 62% and digested biosolids were dewatered to approximately 19.8%, using plate and frame filter presses. Biosolids were composted by Liberty Composting.

Quantities Generated: 27,233 wet tons = 5,392 dry tons = 4,892 dry metric tons
(75 wet tons per day = 15 dry tons per day = 13 dry metric tons per day)
There were no digester cleanings generated for the year.

Monitoring/Frequency: Monthly average digester performance for Class B time/temperature criteria and VSD (using daily temperatures and weekly volatile solids percentages).
Monthly composite samples for Table 1/Table 3 metals, dioxins, and PCBs.
Quarterly 24-hour composite samples for California Title 22 STLC analysis.
Quarterly 24-hour composite samples for priority pollutants.

Sample Type: Digested, dewatered biosolids cake.

Quality: Class B pathogen reduction requirements of 503.32(b)(3) were met for the entire year via Process to Significantly Reduce Pathogens (PSRP) criteria (time/temperature) for anaerobic digestion.

Vector Attraction Reduction requirements were met per 503.33(b)(1) for the entire year. No samples exceeded Table 1 and Table 3 metals concentrations.

Results for the reporting period are shown on page 3. Data are presented in Attachment A.

Samples were characterized as non-hazardous per the California Title 22 Waste Extraction Test. Data are presented in Attachment A.

VALENCIA WATER RECLAMATION PLANT

2015 DIGESTER PERFORMANCE			
Month	Temperature (degrees F)	Detention Time (days)	VSD (%)
Jan	97.3	38	61
Feb	97.3	40	61
Mar	97.7	40	63
Apr	97.3	38	61
May	97.4	44	68
Jun	97.3	49	66
Jul	97.2	46	63
Aug	97.3	46	60
Sep	97.3	45	50
Oct	96.7	50	59
Nov	97.4	48	61
Dec	97.0	46	65
Mean Min	97.3 96.7	44 38	62 50

2015 BIOSOLIDS CAKE - TABLE 1/TABLE 3 METALS CONCENTRATIONS											
mg/kg Dry Weight											
	Sample No.	Date	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
Jan	15010700460	1/6/2015	4.42	1.5	1,110	8.86	0.88	11.3	22.3	5.49	831
Feb	15020400385	2/4/2015	4.37	1.5	1,020	9.23	0.60	11.8	22.8	5.75	790
Mar	15030400135	3/4/2015	4.39	1.8	1,140	9.60	0.58	11.8	24.1	5.60	903
Apr	15040800433	4/8/2015	4.68	1.8	1,230	11.5	1.05	12.3	21.9	5.85	915
May	15050600363	5/6/2015	4.77	1.7	1,350	9.34	0.67	13.7	22.2	5.91	922
Jun	15060300358	6/3/2015	5.03	1.7	1,110	9.96	0.81	12.3	21.7	6.35	931
Jul	15070800181	7/8/2015	6.17	1.8	1,080	10.4	0.96	14.4	24.5	6.17	859
Aug	15080500430	8/5/2015	6.05	2.3	1,120	11.1	0.90	13.9	23.5	6.82	901
Sep	15090200304	9/2/2015	5.68	2.1	982	10.2	0.52	14.0	27.9	6.77	968
Oct	15100800061	10/7/2015	6.24	2.0	1,090	12	0.71	15.3	28.8	7.44	927
Nov	15110500445	11/4/2015	5.69	1.9	1,280	10.1	0.90	14.3	24.1	7.10	1,010
Dec	15120200411	12/2/2015	5.57	1.8	1,200	9.8	0.77	14.3	28.1	6.55	830
Mean			**5.26**	**1.8**	**1,140**	**10.13**	**0.78**	**13.3**	**24.3**	**6.32**	**899**
Max			**6.24**	**2.3**	**1,350**	**11.5**	**1.05**	**15.3**	**28.8**	**7.44**	**1,010**
TABLE 1 LIMITS			**75**	**85**	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS			**41**	**39**	**1,500**	**300**	**17**	**-**	**420**	**100**	**2,800**

MANAGEMENT PRACTICES

Composting

Contract Company:	**Liberty Composting, Inc.**
Contact:	Pat McCarthy
Address:	12421 Holloway Road, Lost Hills, CA 93249
Telephone:	(661) 797-2914
Site Location:	Liberty Composting, Inc.; Kern County, CA Township 26S, Range 20E, Section 4, MDM; (163 acres)
Site Contact:	Wilson Nolan
Reuse Process:	Bulk Land Application of Material Derived via Composting
CA Permits:	CalRecycle Solid Waste Facility Permit No. 15-AA-0287, issued May 3, 1999 expires December 25, 2019 Kern County Conditional Use Permit No. 5, April 24, 1995 (revised July 9, 1998) Central Valley Regional Water Quality Control Board Waste Discharge Requirements, No. R5-2009-0018, February 5, 2009 San Joaquin Valley Unified Air Pollution Control District Nos. S-360-3-3 & S-360-1-6, expires October 31, 2020
Contract Commenced:	April 16, 2012
Operations Commenced:	January 5, 1998
Biosolids Quantity:	27,233 wet tons = 5,392 dry tons = 4,892 dry metric tons

ATTACHMENT A

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
VALENCIA WATER RECLAMATION PLANT

Metals
Nutrients and Miscellaneous Constituents
Organics
Digester Performance

2015 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
15010700460	1/6/2015	17.4	4.42	1.5	19.3	1,110	8.86	0.88	11.3	22.3	5.49	831
15020400385	2/4/2015	20.4	4.37	1.5	-	1,020	9.23	0.60	11.8	22.8	5.75	790
15030400135	3/4/2015	20.4	4.39	1.8	-	1,140	9.60	0.58	11.8	24.1	5.60	903
15040800433	4/8/2015	18.0	4.68	1.8	22.8	1,230	11.5	1.05	12.3	21.9	5.85	915
15050600363	5/6/2015	19.4	4.77	1.7	-	1,350	9.34	0.67	13.7	22.2	5.91	922
15060300358	6/3/2015	20.1	5.03	1.7	-	1,110	9.96	0.81	12.3	21.7	6.35	931
15070800181	7/8/2015	17.5	6.17	1.8	23.8	1,080	10.4	0.96	14.4	24.5	6.17	859
15080500430	8/5/2015	24.0	6.05	2.3	-	1,120	11.1	0.90	13.9	23.5	6.82	901
15090200304	9/2/2015	22.1	5.68	2.1	-	982	10.2	0.52	14.0	27.9	6.77	968
15100800061	10/7/2015	19.7	6.24	2.0	29.7	1,090	12	0.71	15.3	28.8	7.44	927
15110400445	11/4/2015	21.0	5.69	1.9	-	1,280	10.1	0.90	14.3	24.1	7.10	1,010
15120200411	12/2/2015	17.2	5.57	1.8	-	1,200	9.8	0.77	14.3	28.1	6.55	830
MEAN		**19.8**	**5.26**	**1.8**	**23.9**	**1,140**	**10.13**	**0.78**	**13.3**	**24.3**	**6.32**	**899**
MAX			**6.24**	**2.3**	**29.7**	**1,350**	**11.5**	**1.05**	**15.3**	**28.8**	**7.44**	**1,010**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

Sample No.	Date	% TS	NH_3-N	Org-N	NO_3-N	NO_2-N	PO_4	Boron	K	pH	Paint Filter Test (mL/100g)
15010700460	1/6/2015	17.4	9,740	55,300	< 11.5	14.9	104,000	36.1	1,610	9.0	< 1.0 [A]
15020400385	2/4/2015	20.4	10,500	63,100	13.8	6.41	124,000	-	-	-	-
15030400135	3/4/2015	20.4	8,920	54,300	10.0	11.8	112,000	-	-	-	-
15040800433	4/8/2015	18.0	9,270	55,700	< 11.1	8.27	90,800	42.2	1,590	8.7	< 1.0 [B]
15050600363	5/6/2015	19.4	9,430	64,100	< 10.3	6.33	99,900	-	-	-	-
15060300358	6/3/2015	20.1	9,080	59,000	< 9.95	2.8	89,600	-	-	-	-
15070800181	7/8/2015	17.5	11,500	75,800	< 11.4	5.21	121,000	42.3	1,590	8.4	< 1.0 [C]
15080500430	8/5/2015	24.0	9,150	54,400	< 8.32	6.32	115,000	-	-	-	-
15090200304	9/2/2015	22.1	7,980	53,900	< 9.04	4.90	106,000	-	-	-	-
15100800061	10/7/2015	19.7	9,760	57,200	< 10.1	7.41	101,000	53.7	1,460	8.4	< 1.0 [D]
15110400445	11/4/2015	21.0	9,040	54,800	< 9.53	3.03	115,000	-	-	-	-
15120200411	12/2/2015	17.2	9,820	57,000	< 11.6	6.51	10,700	-	-	-	-
MEAN		**19.8**	**9,500**	**58,700**	**11.9**	**7.0**	**99,100**	**43.6**	**1,563**	**8.6**	**ND**
MAX			**11,500**	**75,800**	**13.8**	**14.9**	**124,000**	**53.7**	**1,610**	**9.0**	**ND**

N/A = Data will be published when available.
\ = No limit
ND = Not Detected
Statistics use detected values only.
A = Sample No. 15010700461
B = Sample No. 15040800434
C = Sample No. 15070800182
D = Sample No. 15100800062

4th Quarter 2015 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Biosolids Cake - Soluble Metals Concentrations - mg/L
Analyzed by California Title 22 Waste Extraction Test

Sample No.	Date	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu
15010700462	1/7/2015	43.200	0.0136	0.0487	11.700	< 0.0100	< 0.0050	0.146	< 0.0400	< 0.0400
15040800435	4/8/2015	52.600	0.0190	0.0540	18.700	< 0.0100	0.0063	0.164	< 0.0400	< 0.0400
15070800183	7/8/2015	57.200	0.0248	0.0731	4.800	< 0.0100	0.0067	0.240	< 0.0400	< 0.0400
15100800063	10/7/2015	49.400	0.0257	0.0634	4.180	< 0.0100	< 0.005	0.254	< 0.0400	< 0.100
MEAN		**50.600**	**0.0208**	**0.0598**	**9.800**	**ND**	**0.0065**	**0.201**	**ND**	**ND**
MAX		**57.200**	**0.0257**	**0.0731**	**18.700**	**ND**	**0.0067**	**0.254**	**ND**	**ND**
TITLE 22 STLCs		****	**15**	**5.0**	**100**	**0.75**	**1.0**	**5**	**80**	**25**

Sample No.	Date	Pb	Hg	Mo	Ni	Se	Ag	Tl	Sn	V	Zn
15010700462	1/7/2015	0.0215	< 0.0005	0.0707	0.172	< 0.0200	< 0.0200	< 0.0400	< 0.0400	0.627	15.600
15040800435	4/8/2015	0.0714	0.00064	0.0792	0.244	< 0.0200	< 0.0200	< 0.0400	< 0.0400	0.650	20.300
15070800183	7/8/2015	0.0875	< 0.0005	0.130	< 1.000	< 0.0200	< 0.0200	< 0.0400	< 0.0400	0.809	11.800
15100800063	10/7/2015	< 0.0010	< 0.0005	0.0951	< 1.000	< 0.0200	< 0.0200	< 0.040	< 0.0400	0.731	9.610
MEAN		**0.0601**	**0.00064**	**0.0938**	**0.208**	**ND**	**ND**	**ND**	**ND**	**0.704**	**14.300**
MAX		**0.0875**	**0.00064**	**0.1300**	**0.244**	**ND**	**ND**	**ND**	**ND**	**0.809**	**20.300**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected

\ = No limit

Statistics use detected values only.

2015 BIOSOLIDS MANAGEMENT PROGRAM

VALENCIA WATER RECLAMATION PLANT
Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	97.3	38	61
February	97.3	40	61
March	97.7	40	63
April	97.3	38	61
May	97.4	44	68
June	97.3	49	66
July	97.2	46	63
August	97.3	46	60
September	97.3	45	50
October	96.7	50	59
November	97.4	48	61
December	97.0	46	65
MEAN	**97.3**	**44**	**62**
MIN	**96.7**	**38**	**50**

Quarterly Valencia Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/6/2015	4/8/2015	7/8/2015	10/7/2015
Sample Number(s)	15010700460	15040800433	15070800181	15100800061
	15010700461	15040800434	15070800182	15100800062
Constituent	**Result**	**Result**	**Result**	**Result**
Arsenic	4.42	4.68	6.17	6.24
Antimony	1.97	2.01	2.27	2.22
Beryllium	ND	ND	ND	0.23
Cadmium	1.5	1.8	1.8	2.0
Chromium	19.3	22.8	23.8	29.7
Copper	1,110	1,230	1,080	1,090
Lead	8.86	11.5	10.4	11.5
Mercury	0.88	1.05	0.96	0.71
Nickel	22.3	21.9	24.5	28.8
Selenium	5.49	5.85	6.17	7.44
Silver	3.05	5.05	5.15	6.51
Zinc	831	915	859	927
Total Cyanide	9.30	4.73	4.36	4.30

2015 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Water Reclamation Plant Digester Performance

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 1	38	97.8	64	Jul	Dig 1	46	97.6	64
	Dig 2	38	96.1	69		Dig 2	46	97.4	66
	Dig 3	38	98.0	60		Dig 3	46	97.7	59
	Dig 4	38	97.9	56		Dig 4	46	97.0	64
	Dig 6	38	97.2	58		Dig 6	46	96.7	62
	Dig 7	38	97.0	57		Dig 7	46	96.8	63
	Avg	**38**	**97.3**	**61**		**Avg**	**46**	**97.2**	**63**
Feb	Dig 1	40	97.7	65	Aug	Dig 1	46	97.6	61
	Dig 2	40	96.5	69		Dig 2	46	97.3	64
	Dig 3	40	97.9	56		Dig 3	46	97.8	56
	Dig 4	40	98.0	55		Dig 4	46	97.0	59
	Dig 6	40	97.1	58		Dig 6	46	97.2	61
	Dig 7	40	97.0	60		Dig 7	46	97.0	57
	Avg	**40**	**97.3**	**61**		**Avg**	**46**	**97.3**	**60**
Mar	Dig 1	40	98.0	66	Sep	Dig 1	45	97.7	55
	Dig 2	40	97.1	70		Dig 2	45	96.9	51
	Dig 3	40	98.0	58		Dig 3	45	98.2	45
	Dig 4	40	98.8	62		Dig 4	45	97.1	47
	Dig 6	40	97.0	61		Dig 6	45	96.9	55
	Dig 7	40	97.1	64		Dig 7	45	97.1	48
	Avg	**40**	**97.7**	**63**		**Avg**	**45**	**97.3**	**50**
Apr	Dig 1	38	97.6	64	Oct	Dig 1	50	97.2	61
	Dig 2	38	97.3	67		Dig 2	50	96.6	61
	Dig 3	38	98.0	55		Dig 3	50	97.1	54
	Dig 4	38	97.2	57		Dig 4	50	96.4	61
	Dig 6	38	96.8	62		Dig 6	50	96.5	61
	Dig 7	38	96.7	63		Dig 7	50	96.5	55
	Avg	**38**	**97.3**	**61**		**Avg**	**50**	**96.7**	**59**
May	Dig 1	44	98.0	68	Nov	Dig 1	48	97.9	62
	Dig 2	44	97.6	71		Dig 2	48	97.5	63
	Dig 3	44	97.9	64		Dig 3	48	97.9	56
	Dig 4	44	97.1	67		Dig 4	48	96.8	61
	Dig 6	44	97.1	67		Dig 6	48	97.1	64
	Dig 7	44	96.9	69		Dig 7	48	97.1	61
	Avg	**44**	**97.4**	**68**		**Avg**	**48**	**97.4**	**61**
Jun	Dig 1	49	97.8	67	Dec	Dig 1	46	97.4	66
	Dig 2	49	97.0	70		Dig 2	46	96.7	63
	Dig 3	49	97.9	60		Dig 3	46	97.4	61
	Dig 4	49	97.1	63		Dig 4	46	96.7	63
	Dig 6	49	97.2	68		Dig 6	46	96.8	69
	Dig 7	49	96.9	67		Dig 7	46	96.9	66
	Avg	**49**	**97.3**	**66**		**Avg**	**46**	**97.0**	**65**

HDT - Hydraulic Detention Time
VSD - Volatile Solids Destruction

VALENCIA WATER RECLAMATION PLANT
2015 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	15010700460	15040800433	15070800181	15100800061	
	15010700461	15040800434	15070800182	15100800062	
			15070800183	15100800063	
Sample Date	01/07/15	04/08/15	07/08/15	10/07/15	
Description	Result	Result	Result	Result	Unit of Measure
TOTAL CYANIDE	9.30	4.73	4.36	4.30	MG/KG CN
TOTAL CHROMIUM	19.3	22.8	23.8	29.7	MG/KG CR
TOTAL SOLIDS	17.4	18.0	17.5	19.7	%
ARSENIC	4.42	4.68	6.17	6.24	MG/KG AS
CADMIUM	1.5	1.8	1.8	2.0	MG/KG CD
COPPER	1,110	1,230	1,080	1,090	MG/KG CU
LEAD	8.86	11.5	10.4	11..5	MG/KG PB
MERCURY	0.88	1.05	0.96	0.71	MG/KG HG
NICKEL	22.3	21.9	24.5	28.8	MG/KG NI
SELENIUM	5.49	5.85	6.17	7.44	MG/KG SE
SILVER	3.05	5.05	5.15	6.51	MG/KG AG
ZINC	831	915	859	927	MG/KG ZN
ANTIMONY	1.97	2.01	2.27	2.22	MG/KG SB
BERYLLIUM	< 0.20	< 0.20	< 0.20	0.23	MG/KG BE
THALLIUM	< 0.20	< 0.20	< 0.20	< 0.40	MG/KG TL
COBALT	3.93	4.32	3.78	3.94	MG/KG CO
BARIUM	300	311	260	353	MG/KG BA
MANGANESE	166	185	138	150	MG/KG MN
MOLYBDENUM	11.3	12.3	14.4	15.3	MG/KG MO
VANADIUM	66.2	64.9	58.8	66.2	MG/KG V
PHENOLS	27	43	6.3	1.8	MG/KG C6H5OH
FLUORIDE	6.1	3.8	2.6	3.7	MG/KG F
TOTAL ORGANIC CARBON	383,000	379,000*	393,000	347,000	MG/KG C
TOTAL ORGANIC HALOGEN (TOX)	< 290	< 50	< 50	< 50	MG/KG
ETHYL PARATHION	< 2.500	< 0.420	< 0.410	< 0.420	MG/KG
DEMETON	< 2.500	< 0.420	< 0.410	< 0.420	MG/KG
GUTHION	< 2.500	< 0.420	< 0.410	< 0.420	MG/KG
MALATHION	< 2.500	< 0.420	< 0.410	< 0.420	MG/KG
OP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALDRIN	< 0.050	< 0.050	< 0.050	< 0.050	MG/KG
DIELDRIN	< 0.025	< 0.025	< 0.025	< 0.025 **	MG/KG
ENDRIN	< 0.025	< 0.025	< 0.025	< 0.025 **	MG/KG
TOXAPHENE	< 0.350	< 0.350	< 0.350	< 0.350	MG/KG
METHOXYCLOR	< 0.250	< 0.025	< 0.025	< 0.039	MG/KG
2,4-D(ACID)	< 10.000	< 1.600	< 1.800	< 9.200	MG/KG
2,4,5-TP(SILVEX)	< 10.000	< 1.600	< 1.800	< 9.200	MG/KG
AROCLOR 1242	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1254	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
BETA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
DELTA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	< 0.025	< 0.025 **	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	< 0.250	< 0.250	MG/KG
AROCLOR 1016	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
AROCLOR 1260	< 0.150	< 0.150	< 0.150	< 0.015	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
MIREX	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
METHYLENE CHLORIDE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CHLOROFORM	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,1,1-TRICHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CARBON TETRACHLORIDE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,1-DICHLOROETHENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
TRICHLOROETHYLENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG

VALENCIA WATER RECLAMATION PLANT
2015 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	15010700460	15040800433	15070800181	15100800061	
	15010700461	15040800434	15070800182	15100800062	
			15070800183	15100800063	
Sample Date	01/07/15	04/08/15	07/08/15	10/07/15	
Description	Result	Result	Result	Result	Unit of Measure
TETRACHLOROETHYLENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
BROMODICHLOROMETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
DIBROMOCHLOROMETHANE	< 0.180	< 0.130	< 0.025	< 0.040	MG/KG
BROMOFORM	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CHLOROBENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
VINYL CHLORIDE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
O-DICHLOROBENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
M-DICHLOROBENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
P-DICHLOROBENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,1-DICHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,1,2-TRICHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,2-DICHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
BENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
TOLUENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
ETHYL BENZENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
BROMOMETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
2-CHLOROETHYLVINYLETHER	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CHLOROMETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,2-DICHLOROPROPANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
CIS-1,3-DICHLOROPROPENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
ACROLEIN	< 0.180	< 0.790	< 0.450	< 0.160	MG/KG
ACRYLONITRILE	< 0.180	< 0.130	< 0.450	< 0.040	MG/KG
FREON 12 (CCL2F2)	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
FREON 11 (CCL3F)	< 0.180	< 0.130	< 0.045	< 0.040	MG/KG
2-BUTANONE	3.300	1.500	0.630	15.000	MG/KG
2,4,5-TRICHLOROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
ACENAPHTHENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
ACENAPHTHYLENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
ANTHRACENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BENZIDINE	< 257	< 237	< 245	< 256	MG/KG
BENZO(A)ANTHRACENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BENZO(A)PYRENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BENZO(B)FLUORANTHENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BENZO(G.H.I.)PERYLENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BENZO(K)FLUORANTHENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
DIETHYLHEXYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
4-BROMOPHENYL PHENYLETHER	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
BUTYLBENZYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2-CHLORONAPHTHALENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
CHRYSENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
DIBENZO(A,H)ANTHRACENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
1,2-DICHLOROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
1,3-DICHLOROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
1,4-DICHLOROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
3,3'-DICHLOROBENZIDINE	< 103	< 94.6	< 98.0	< 102	MG/KG
DIETHYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
DIMETHYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
DI-N-BUTYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,4-DINITROTOLUENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,6-DINITROTOLUENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
DI-N-OCTYL PHTHALATE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
1,2-DIPHENYLHYDRAZINE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
1,2,4-TRICHLOROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,3,7,8-TCDD	< 12	< 9.8	< 8.9	< 9.8	NG/KG
2,4,6-TRICHLOROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,4-DICHLOROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,4-DIMETHYLPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2,4-DINITROPHENOL	< 103	< 94.6	< 98.0	< 102	MG/KG

VALENCIA WATER RECLAMATION PLANT
2015 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	15010700460	15040800433	15070800181	15100800061	
	15010700461	15040800434	15070800182	15100800062	
			15070800183	15100800063	
Sample Date	01/07/15	04/08/15	07/08/15	10/07/15	
Description	Result	Result	Result	Result	Unit of Measure
2-CHLOROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2-METHYL-4,6DINITROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
2-NITROPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
4-CHLORO-3-METHYLPHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
4-NITROPHENOL	< 103	< 94.6	< 98.0	< 102	MG/KG
FLUORANTHENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
FLUORENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
HEXACHLOROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
HEXACHLOROBUTADIENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 103	< 94.6	< 98.0	< 102	MG/KG
HEXACHLOROETHANE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
ISOPHORONE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
M+P CRESOL	< 103	< 94.6	< 98.0	< 102	MG/KG
NAPHTHALENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
NITROBENZENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
N-NITROSODIMETHYLAMINE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
N-NITROSODIPHENYLAMINE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
O-CRESOL	< 103	< 94.6	< 98.0	< 102	MG/KG
PENTACHLOROPHENOL	< 103	< 94.6	< 98.0	< 102	MG/KG
PHENANTHRENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
PHENOL	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
PYRENE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG
PYRIDINE	< 51.4	< 47.3	< 49.0	< 51.2	MG/KG

* = Lab ID: 15051400270

** = Lab ID: 15102800450

Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethylene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2-trans-Dichloroethylene	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.10						DNQ Est. Conc. 0.16	
2-Chloroethylvinyl ether	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4-DDD	ug/L		ND						ND	
4,4-DDE	ug/L		ND						ND	
4,4-DDT	ug/L		ND						ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND						ND	
alpha-BHC	ug/L		ND						ND	
alpha-Endosulfan	ug/L		ND						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.58						DNQ Est. Conc. 0.48	
Aroclor 1016	ug/L		ND						ND	
Aroclor 1221	ug/L		ND						ND	
Aroclor 1232	ug/L		ND						ND	
Aroclor 1242	ug/L		ND						ND	
Aroclor 1248	ug/L		ND						ND	
Aroclor 1254	ug/L		ND						ND	
Aroclor 1260	ug/L		ND						ND	
Arsenic	ug/L		1.74						1.76	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	
beta-BHC	ug/L		ND						ND	
beta-endosulfan	ug/L		ND						ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 8.5						DNQ Est. Conc. 9.4	

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.07-0.20	0.50
1,1-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.13-0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07-0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09-0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10-0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07-0.12	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09-0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.09-0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	1.3-2.0	10.0
1,2-trans-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	1	0.09-0.16	0.50
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	1.7	50.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08-0.09	0.50
1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				DNQ Est. Conc. 0.10	ND	DNQ Est. Conc. 0.16	EPA 624	2	0.07-0.16	0.50
2-Chloroethylvinyl ether	ug/L				ND	ND	ND	EPA 624	1	0.12-0.16	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	1.2-1.6	100
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.5	50.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	13.1-35.3	50.0
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.8-2.0	100
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.37-0.44	10
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	1.1-1.5	50.0
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	1.1-3.6	20.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	17.3-20.1	50.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	2.0-2.2	50.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	1.2-1.7	100
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	1.2-2.2	50.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	1.3-2.2	10.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	6.6-11.6	50.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	2.1-2.8	50.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	1.7-3.3	50.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	13.3-13.7	100
4,4-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001-0.002	0.01
4,4-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001-0.002	0.01
4,4-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001-0.003	0.01
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	1.5-3.8	10.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	1.4-2.2	100
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3-1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20-0.92	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009-0.002	0.005
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.001-0.002	0.01
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.01
Anthracene	ug/L				ND	ND	ND	EPA 625	10	1.6-1.8	100
Antimony	ug/L				DNQ Est. Conc. 0.48	0.29	0.58	EPA 200.8	0.5	0.07-0.13	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02-0.04	0.1
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09-0.2	0.3
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02-0.08	0.1
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02-0.04	0.1
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01-0.03	0.05
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01-0.05	0.1
Arsenic	ug/L				1.74	1.75	1.76	EPA 200.8	2	0.15-0.16	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.10-0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	15.7-16.7	50.0
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	1.2-1.9	50.0
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	1.5-1.9	100
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	1.3-1.4	100
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	1.3-1.9	50.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	2.2-2.3	100
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.040	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002-0.003	0.005
beta-endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001-0.003	0.01
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	1.3-5.0	50.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	1.3-1.9	10.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	1.6-2.5	20.0
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 8.5	ND	DNQ Est. Conc. 9.4	EPA 625	5	1.7-2.5	20.0

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
BOD	mg/L	248	248	202			269	269	235	239
Bromodichloromethane	ug/L		ND						DNQ Est. Conc. 0.49	
Bromoform	ug/L		ND						DNQ Est. Conc. 0.25	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.10						0.38	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		6.6						6.3	
Chromium VI	ug/L		0.15						0.20	
Chromium, total	ug/L		37.8						4.03	
Chrysene	ug/L		ND						ND	
Copper	ug/L		48.1						55.6	
Cyanide, total	ug/L		DNQ Est. Conc. 3.7						DNQ Est. Conc. 1.6	
delta-BHC	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dibromochloromethane	ug/L		ND						0.52	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		DNQ Est. Conc. 6.2						DNQ Est. Conc. 6.4	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		1.5						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC	ug/L		ND						ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L		0.85						1.16	
Mercury	ug/L		0.07						0.05	
Methyl bromide (bromomethane)	ug/L		ND						ND	
Methyl chloride (chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		0.90						DNQ Est. Conc. 0.41	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		13.0						10.5	
Nitrobenzene	ug/L		ND						ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 840	
PCB-138/163/164	pg/L								1060	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 620	
PCB-90/101/113	pg/L								1200 (1)	
PCB-105	pg/L								430	
PCB-110	pg/L								1150	
PCB-114	pg/L								27	
PCB-118	pg/L								1000 (1)	
PCB-123	pg/L								20	
PCB-126	pg/L								ND	
PCB-153	pg/L								787	
PCB-156	pg/L								104	
PCB-157	pg/L								26	
PCB-158	pg/L								DNQ Est. Conc. 130	
PCB-167	pg/L								48	
PCB-168	pg/L								DNQ Est. Conc. 2.1	
PCB-170	pg/L								DNQ Est. Conc. 160	

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
BOD	mg/L	218	244	266	202	244	269	SM 5210B		0.6	120
Bromodichloromethane	ug/L				ND	ND	DNQ Est. Conc. 0.49	EPA 624	2	0.09-0.17	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.25	EPA 624	2	0.13-0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0-1.6	100
Cadmium	ug/L		0.30		DNQ Est. Conc. 0.10	0.23	0.38	EPA 200.8	0.25	0.030-0.040	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11-0.28	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08-0.11	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22-0.26	0.50
Chloroform	ug/L				6.3	6.5	6.6	EPA 624	2	0.09-0.18	0.50
Chromium VI	ug/L				0.15	0.18	0.20	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				4.03	20.9	37.8	EPA 200.8	0.5	0.07-0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	1.3-1.7	100
Copper	ug/L		94.3		48.1	66.0	94.3	EPA 200.8	0.5	0.08-0.16	0.50
Cyanide, total	ug/L				DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 3.7	SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.003-0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.0-1.6	100
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	1.2-1.6	100
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	1.4-1.5	100
Dibromochloromethane	ug/L				ND	0.26	0.52	EPA 624	2	0.08-0.14	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				DNQ Est. Conc. 6.2	ND	DNQ Est. Conc. 6.4	EPA 625	2	2.1-2.7	20.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	1.9-2.6	20.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002-0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001-0.002	0.01
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001-0.002	0.01
Ethylbenzene	ug/L				ND	0.75	1.5	EPA 624	2	0.12-0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	1.0-1.9	10.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	1.8-3.0	100
gamma-BHC	ug/L				ND	ND	ND	EPA 608	0.02	0.0009-0.001	0.01
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008-0.001	0.01
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	1.1-1.8	10.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	1.4-3.3	10.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	5.2-7.5	50.0
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	1.4	10.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	1.3-1.4	100
Isophorone	ug/L				ND	ND	ND	EPA 625	1	1.3-2.5	10.0
Lead	ug/L		2.24		0.85	1.4	2.24	EPA 200.8	0.5	0.01-0.03	0.25
Mercury	ug/L		0.20		0.05	0.1	0.20	EPA 245.1	0.5	0.01	0.04
Methyl bromide (bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.21-0.34	0.50
Methyl chloride (chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.06-0.15	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.41	0.45	0.90	EPA 624	2	0.18-0.20	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	1.2-1.9	50.0
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	1.4-3.2	50.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	1.5-2.3	10.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	1.5-1.8	10.0
Nickel	ug/L				10.5	11.8	13.0	EPA 200.8	1	0.12-0.13	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	1.3-2.2	10.0
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 840	ND	DNQ Est. Conc. 840	EPA 1668		15	1200
PCB-138/163/164	pg/L				1060	1060	1060	EPA 1668		4	76.1
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 620	ND	DNQ Est. Conc. 620	EPA 1668		4.0	820
PCB-90/101/113	pg/L				1200	1200	1200	EPA 1668		15	610
PCB-105	pg/L				430	430	430	EPA 1668		15	20
PCB-110	pg/L				1150	1150	1150	EPA 1668		0.8	25
PCB-114	pg/L				27	27	27	EPA 1668		15	20
PCB-118	pg/L				1000	1000	1000	EPA 1668		14	20
PCB-123	pg/L				20	20	20	EPA 1668		14	20
PCB-126	pg/L				ND	ND	ND	EPA 1668		18	20
PCB-153	pg/L				787	787	787	EPA 1668		1.8	25
PCB-156	pg/L				104	104	104	EPA 1668		1.8	25
PCB-157	pg/L				26	26	26	EPA 1668		1.1	25
PCB-158	pg/L				DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668		5.2	200
PCB-167	pg/L				48	48	48	EPA 1668		3.7	20
PCB-168	pg/L				DNQ Est. Conc. 2.1	ND	DNQ Est. Conc. 2.1	EPA 1668		1.0	5.1
PCB-170	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		2.3	200

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
PCB-177	pg/L								DNQ Est. Conc. 87	
PCB-180/193	pg/L								DNQ Est. Conc. 310	
PCB-183	pg/L								DNQ Est. Conc. 97	
PCB-187	pg/L								DNQ Est. Conc. 150	
PCB-189	pg/L								DNQ Est. Conc. 10	
PCB-194	pg/L								DNQ Est. Conc. 33	
PCB-201	pg/L								DNQ Est. Conc. 6.0	
PCB-206	pg/L								DNQ Est. Conc. 19	
PCB-37	pg/L								DNQ Est. Conc. 41	
PCB-52/69	pg/L								726 (1)	
PCB-66	pg/L								200	
PCB-77	pg/L								34	
PCB-81	pg/L								ND	
PCB-99	pg/L								520	
PCB-128/166	pg/L								DNQ Est. Conc. 190	
PCB-135/151	pg/L								DNQ Est. Conc. 230	
PCB-139/149	pg/L								628 (1)	
PCB-18/30	pg/L								DNQ Est. Conc. 74	
PCB-180/193	pg/L								DNQ Est. Conc. 310	
PCB-20/28	pg/L								DNQ Est. Conc. 120	
PCB-44/47/65	pg/L								DNQ Est. Conc. 560 (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 170 (1)	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		28.6						59.4	
pH	SU	7.9	7.8	7.8			7.7	7.8	7.7	7.7
Pyrene	ug/L		ND						ND	
Selenium	ug/L		DNQ Est. Conc. 0.96						1.03	
Silver	ug/L		DNQ Est. Conc. 0.13						0.45	
Technical chlordane	ug/L		ND						ND	
Tetrachloroethylene	ug/L		DNQ Est. Conc. 0.23						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		2.0						1.9	
Total suspended solids	mg/L	235	243	263			330	353	307	247
Toxaphene	ug/L		ND						ND	
Trichloroethylene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		92.8						106	

Whittier Narrows Water Reclamation Plant
2015 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-177	pg/L				DNQ Est. Conc. 87	ND	DNQ Est. Conc. 87	EPA 1668		2.0	200
PCB-180/193	pg/L				DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668		1.7	410
PCB-183	pg/L				DNQ Est. Conc. 97	ND	DNQ Est. Conc. 97	EPA 1668		1.6	200
PCB-187	pg/L				DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		1.7	200
PCB-189	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		2.7	20
PCB-194	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		3.1	200
PCB-201	pg/L				DNQ Est. Conc. 6.0	ND	DNQ Est. Conc. 6.0	EPA 1668		1.0	200
PCB-206	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		2.2	200
PCB-37	pg/L				DNQ Est. Conc. 41	ND	DNQ Est. Conc. 41	EPA 1668		7.7	200
PCB-52/69	pg/L				726	726	726	EPA 1668		3.88	50.8
PCB-66	pg/L				200	200	200	EPA 1668		4.6	200
PCB-77	pg/L				34	34	34	EPA 1668		6.1	20
PCB-81	pg/L				ND	ND	ND	EPA 1668		5.6	20
PCB-99	pg/L				520	520	520	EPA 1668		16	200
PCB-128/166	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		6.7	410
PCB-135/151	pg/L				DNQ Est. Conc. 230	ND	DNQ Est. Conc. 230	EPA 1668		6.9	410
PCB-139/149	pg/L				628	628	628	EPA 1668		3.61	50.8
PCB-18/30	pg/L				DNQ Est. Conc. 74	ND	DNQ Est. Conc. 74	EPA 1668		1.4	410
PCB-180/193	pg/L				DNQ Est. Conc. 310	ND	DNQ Est. Conc. 310	EPA 1668		1.7	410
PCB-20/28	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		6.6	410
PCB-44/47/65	pg/L				DNQ Est. Conc. 560	ND	DNQ Est. Conc. 560	EPA 1668		1.6	610
PCB-49/69	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		1.4	410
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	3.8-6.4	10.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	1.1-1.9	50.0
Phenol	ug/L				28.6	44.0	59.4	EPA 625	1	1.0-1.4	10.0
pH	SU	7.7	7.8	7.8	7.7	7.8	7.9	SM 4500 H+ B		1.00	4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	1.9-2.7	100
Selenium	ug/L				DNQ Est. Conc. 0.96	0.52	1.03	EPA 200.8	2	0.10-0.17	1.00
Silver	ug/L				DNQ Est. Conc. 0.13	0.23	0.45	EPA 200.8	0.25	0.01-0.03	0.20
Technical chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01-0.03	0.05
Tetrachloroethylene	ug/L				ND	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.16-0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.010-0.020	0.25
Toluene	ug/L				1.9	2.0	2.0	EPA 624	2	0.06-0.19	0.50
Total suspended solids	mg/L	239	306	320	235	284	353	SM 2540D		50.0-83.3	50.0-83.3
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04-0.08	0.5
Trichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.13-0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20-0.37	0.50
Zinc	ug/L		165		92.8	121	165	EPA 200.8	1	0.22-0.66	1.00

(1) Compound was found in the blank and sample.

* The Whittier Narrows WRP was shut down during April and May 2015.

Whittier Narrows WRP Effluent Monitoring

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
1,1-Dichloroethane	ug/L		ND	ND			ND		ND	
1,1-Dichloroethylene	ug/L		ND	ND			ND		ND	
1,1,1-Trichloroethane	ug/L		ND	ND			ND		ND	
1,1,2-Trichloroethane	ug/L		ND	ND			ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND	ND			ND		ND	
1,2-Dichlorobenzene	ug/L		ND	ND			ND		ND	
1,2-Dichloroethane	ug/L		ND	ND			ND		ND	
1,2-Dichloropropane	ug/L		ND	ND			ND		ND	
1,2-Diphenylhydrazine	ug/L		ND	ND					ND	
1,2-trans-Dichloroethylene	ug/L		ND	ND			ND		ND	
1,2,3-Trichloropropane	ug/L		DNQ Est. Conc. 0.0017	ND					ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 3.0	ND					DNQ Est. Conc. 1.4	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.4	DNQ Est. Conc. 1.9					DNQ Est. Conc. 4.5	
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 0.93	ND					ND	
1,2,3,4,7,8-HexaCDF	pg/L		ND	ND					ND	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND	ND					ND	
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 0.79	ND					ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND	ND					DNQ Est. Conc. 1.4	
1,2,3,7,8-PentaCDD	pg/L		ND	ND					ND	
1,2,3,7,8-PentaCDF	pg/L		ND	ND					DNQ Est. Conc. 1.3	
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 0.91	ND					DNQ Est. Conc. 0.75	
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.75	ND					DNQ Est. Conc. 1.1	
1,2,4-Trichlorobenzene	ug/L		ND	ND			ND		ND	
1,3-Dichlorobenzene	ug/L		ND	ND			ND		ND	
1,3-Dichloropropene	ug/L		ND				ND		ND	
1,4-Dichlorobenzene	ug/L		ND	ND			ND		ND	
1,4-Dioxane	ug/L		0.69	0.89					0.74	
2-Chloroethyl vinyl ether	ug/L		ND	ND			ND		ND	
2-Chloronaphthalene	ug/L		ND	ND					ND	
2-Chlorophenol	ug/L		ND	ND					ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND					ND	
2-Nitrophenol	ug/L		ND	ND					ND	
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.84	ND					ND	
2,3,4,7,8-PentaCDF	pg/L		ND	ND					ND	
2,3,7,8-TCDD	pg/L		ND	ND					ND	
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.7	DNQ Est. Conc. 1.4					DNQ Est. Conc. 3.5	
2,4-Dichlorophenol	ug/L		ND	ND					ND	
2,4-Dimethylphenol	ug/L		ND	ND					ND	
2,4-Dinitrophenol	ug/L		ND	ND					ND	
2,4-Dinitrotoluene	ug/L		ND	ND					ND	
2,4,5-TP (Silvex)	mg/L		ND	ND			ND		ND	
2,4,6-Trichlorophenol	ug/L		ND	ND			ND		ND	
2,4'-D	ug/L		1	ND			ND		ND	
2,6-Dinitrotoluene	ug/L		ND	ND					ND	
3-Methyl-4-chlorophenol	ug/L		ND	ND					ND	
3,3'-Dichlorobenzidine	ug/L		ND	ND					ND	
4-Bromophenyl phenyl ether	ug/L		ND	ND					ND	
4-Chlorophenyl phenyl ether	ug/L		ND	ND					ND	
4-Nitrophenol	ug/L		ND	ND					ND	
4,4-DDD	ug/L		ND	ND				ND	ND	
4,4-DDE	ug/L		ND	ND				ND	ND	
4,4-DDT	ug/L		ND	ND				ND	ND	
Acenaphthene	ug/L		ND	ND					ND	
Acenaphthylene	ug/L		ND	ND					ND	
Acrolein	ug/L		ND	ND					ND	
Acrylonitrile	ug/L		ND	ND					ND	
Aldrin	ug/L		ND	ND				ND	ND	
alpha-BHC	ug/L		ND	ND				ND	ND	
alpha-Endosulfan	ug/L		ND	ND					ND	
Ammonia nitrogen	mg/L	0.273	0.226	0.350			0.735	0.507	0.514	0.563
Anthracene	ug/L	ND	ND	ND			ND	ND	ND	ND
Antimony	ug/L		0.72	0.66					0.52	
Aroclor 1016	ug/L		ND	ND				ND	ND	
Aroclor 1221	ug/L		ND	ND				ND	ND	
Aroclor 1232	ug/L		ND	ND				ND	ND	
Aroclor 1242	ug/L		ND	ND				ND	ND	
Aroclor 1248	ug/L		ND	ND				ND	ND	
Aroclor 1254	ug/L		ND	ND				ND	ND	
Aroclor 1260	ug/L		ND	ND				ND	ND	
Arsenic	ug/L		1.11	1.06			1.54		1.31	

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.07-0.20	0.50
1,1-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13-0.32	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07-0.21	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.09-0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.10-0.11	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07-0.12	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.09-0.11	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09-0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.13-0.20	1.0
1,2-trans-Dichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09-0.16	0.50
1,2,3-Trichloropropane	ug/L				ND	ND	DNQ Est. Conc. 0.0017			EPA524.2/EPA524.2(TBA)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 0.89		ND	ND	DNQ Est. Conc. 3.0			EPA 1613B		0.32-3.8	50-55
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.1		DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 4.5			EPA 1613B		0.32-0.64	50-55
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 0.81		ND	ND	DNQ Est. Conc. 0.93			EPA 1613B		0.33-0.97	50-55
1,2,3,4,7,8-HexaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.29-0.62	50-55
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.51-1.1	50-55
1,2,3,6,7,8-HexaCDD	pg/L		ND		ND	ND	DNQ Est. Conc. 0.79			EPA 1613B		0.29-0.83	50-55
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 1.4		ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.26-0.55	50-55
1,2,3,7,8-PentaCDD	pg/L		ND		ND	ND	ND			EPA 1613B		0.55-2.2	50-55
1,2,3,7,8-PentaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.35-0.94	50-55
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 0.79		ND	ND	DNQ Est. Conc. 0.91			EPA 1613B		0.27-0.76	50-55
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.92		ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.31-0.66	50-55
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.17	5.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08-0.09	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	ND			EPA 624	2	0.07-0.16	0.50
1,4-Dioxane	ug/L				0.69	0.77	0.89			SW-846 8270MOD		0.04	0.40
2-Chloroethyl vinyl ether	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.12-0.16	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.12-0.16	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.15	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.3-3.5	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.18-0.20	10.0
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.67		ND	ND	DNQ Est. Conc. 0.84			EPA 1613B		0.26-1.3	50-55
2,3,4,7,8-PentaCDF	pg/L		ND		ND	ND	ND			EPA 1613B		0.37-1.2	50-55
2,3,7,8-TCDD	pg/L		ND		ND	ND	ND	0.028(4)(5)	0.014(4)(5)	EPA 1613B		0.70-0.89	9.9-11
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 1.9		DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 3.5			EPA 1613B		0.24-0.47	9.9-11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.11-0.15	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.11-0.36	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	1.7-2.0	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.20-0.22	5.0
2,4,5-TP (Silvex)	mg/L	ND		ND	ND	ND	ND			EPA515.3/SW-846 8151A		0.000090-0.00019	0.00020-0.0010
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	10	0.12-0.17	10.0
2,4'-D	ug/L	ND		ND	ND	ND	1			EPA515.3/SW-846 8151A		0.070-0.46	0.40-4.1
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.12-0.22	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.13-0.22	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.66-1.2	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.21-0.28	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.17-0.33	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3-1.4	10.0
4,4-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001-0.002	0.01
4,4-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001-0.002	0.01
4,4-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001-0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.15-0.38	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.14-0.22	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		1.3-1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20-0.92	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009-0.002	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001-0.002	0.01
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	0.396	0.462	0.481	0.226	0.451	0.735	9.0(1)/11.6(2)/10.1(5)	3.4(1)/4.4(2)/3.9(5)	SM4500NH3 G		0.020	0.100
Anthracene	ug/L	ND	ND	ND	ND	ND	ND			EPA610/EPA625		0.004-0.18	0.020-10.0
Antimony	ug/L		0.70	0.57	0.52	0.63	0.72			EPA 200.8	0.5	0.07-0.32	0.50
Aroclor 1016	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02-0.04	0.1
Aroclor 1221	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.09-0.2	0.3
Aroclor 1242	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02-0.08	0.1
Aroclor 1248	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02-0.04	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01-0.03	0.05
Aroclor 1260	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01-0.05	0.1
Arsenic	ug/L		1.14	1.16	1.06	1.22	1.54			EPA 200.8	2	0.14-0.16	1.00

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
Barium	ug/L		54.3	54.1			42.2		48.3	
Benzene	ug/L		ND	ND			ND		ND	
Benzidine	ug/L		ND	ND			ND		ND	
Benzo(a)anthracene	ug/L		ND	ND					ND	
Benzo(a)pyrene	ug/L		ND	ND					ND	
Benzo(b)fluoranthene	ug/L		ND	ND					ND	
Benzo(g,h,i)perylene	ug/L		ND	ND					ND	
Benzo(k)fluoranthene	ug/L	ND	ND	ND			ND	ND	ND	ND
Beryllium	ug/L		ND	ND					ND	
beta-BHC	ug/L		ND	ND				ND	ND	
beta-Endosulfan	ug/L		ND	ND					ND	
bis(2-Chloroethoxy) methane	ug/L		ND	ND					ND	
bis(2-Chloroethyl) ether	ug/L		ND	ND					ND	
bis(2-Chloroisopropyl) ether	ug/L		ND	ND					ND	
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND			DNQ Est. Conc. 0.29		ND	
BOD	mg/L	ND	ND	ND			ND	ND	ND	ND
Boron	mg/L	0.25	0.26	0.27			0.27	0.26	0.26	0.26
Bromodichloromethane	ug/L		3.3	1.5			0.17		2.1	
Bromoform	ug/L		ND	ND			ND		ND	
Butyl benzyl phthalate	ug/L		ND	ND					ND	
Cadmium	ug/L	ND	ND	ND			DNQ Est. Conc. 0.059	DNQ Est. Conc. 0.091	1.1	0.95
Carbon tetrachloride	ug/L		ND	ND			ND		ND	
Chloride	mg/L	115	115	111			125	118	122	111
Chlorobenzene	ug/L		ND	ND			ND		ND	
Chloroethane	ug/L		ND	ND			ND		ND	
Chloroform	ug/L		9.4	6.4			ND		6.1	
Chromium III	ug/L		7.26	0.94			1.05		0.93	
Chromium VI	ug/L		0.19	0.07			0.07		0.06	
Chromium, total	ug/L		7.54	1.01			1.12		0.98	
Chromium, total (24-hr composite)	ug/L		1.27	0.95			1.18		0.81	
Chrysene	ug/L		ND	ND					ND	
Copper	ug/L	4.72	4.94	3.79			3.97	4.40	5.66	5.72
Cyanide, total	ug/L		ND				ND		ND	
delta-BHC	ug/L		ND	ND				ND	ND	
Di-n-butyl phthalate	ug/L		ND	ND					ND	
Di-n-octyl phthalate	ug/L		ND	ND					ND	
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND			ND	ND	ND	ND
Dibromochloromethane	ug/L		0.7	ND			DNQ Est. Conc. 0.33		DNQ Est. Conc. 0.38	
Dieldrin	ug/L		ND	ND				ND	ND	
Diethyl phthalate	ug/L		ND	ND					ND	
Dimethyl phthalate	ug/L		ND	ND					ND	
Dissolved oxygen	mg/L	6.6	6.7	7.1			5.9	5.7	5.6	6.1
E. coli	No./100mL	ND	ND	ND			ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND	ND					ND	
Endrin aldehyde	ug/L		ND	ND					ND	
Endrin	ug/L		ND	ND				ND	ND	
Ethylbenzene	ug/L		ND	ND			ND		ND	
Fecal coliform	No./100mL	ND	ND	ND			ND	ND	ND	ND
Fluoranthene	ug/L		ND	ND			ND		ND	
Fluorene	ug/L		ND	ND			ND		ND	
Fluoride	mg/L	0.760	0.678	0.614			0.587	0.640	0.607	0.624
gamma-BHC	ug/L		ND	ND				ND	ND	
Gross alpha radioactivity	pCi/L		2.00	1.02			0.924		0.592	
Gross beta radioactivity	pCi/L		5.02	8.92			2.98		0.334	
Heptachlor epoxide	ug/L		ND	ND				ND	ND	
Heptachlor	ug/L		ND	ND				ND	ND	
Hexachlorobenzene	ug/L		ND	ND					ND	
Hexachlorobutadiene	ug/L		ND	ND					ND	
Hexachlorocyclopentadiene	ug/L		ND	ND					ND	
Hexachloroethane	ug/L		ND	ND					ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND			ND	ND	ND	ND
Iron	ug/L		31.9	37.0			32.9		24.4	
Isophorone	ug/L		ND	ND					ND	
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.21	0.29			DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.16	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.20
Mercury	ug/L	0.0016	0.0024	0.0014			0.0027	0.0039	0.0010	0.00034
Methoxychlor	ug/L		ND	ND				ND	ND	
Methyl bromide (bromomethane)	ug/L		ND	ND			ND		ND	
Methyl chloride (chloromethane)	ug/L		ND	ND			ND		ND	
Methyl tert-butyl ether	ug/L		ND	ND					ND	
Methylene chloride	ug/L		ND	ND			ND		DNQ Est. Conc. 0.22	

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Barium	ug/L		49.6	52.9	42.2	50.2	54.3			EPA 200.8		0.05-0.08	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.10-0.15	0.50
Benzidine	ug/L	ND		ND	ND	ND	ND			EPA 625	5	1.6-1.7	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.12-0.19	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND	ND			EPA525.2/610/625	10	0.007-0.15	0.020-10.0
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.13-0.19	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098(4)(5)	0.049(4)(5)	EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND	ND			EPA 200.8	0.5	0.030-0.040	0.25
beta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.002-0.003	0.005
beta-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.01	0.001-0.003	0.01
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.13-0.50	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.13-0.19	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.16-0.25	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.29			EPA 625	5	0.17-0.25	2.0
BOD	mg/L	ND	ND	ND	ND	ND	ND	45(4)(5)	20(4)(5)	SM 5210B		0.6	3.0
Boron	mg/L	0.26	0.28	0.26	0.25	0.26	0.28		1.0(4)	EPA 200.8		0.005-0.008	0.020
Bromodichloromethane	ug/L	0.98		3.8	ND	2	3.8			EPA 624	2	0.09-0.17	0.50
Bromoform	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13-0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10-0.16	10.0
Cadmium	ug/L	DNQ Est. Conc. 0.17	DNQ Est. Conc. 0.080	DNQ Est. Conc. 0.040	ND	0.21	1.1	3.5(3)(5)	1.1(3)(5)	EPA 200.8	0.25	0.030-0.070	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.11-0.28	0.50
Chloride	mg/L	120	122	122	111	118	125		180(4)(5)	EPA 300.0		0.200-0.600	8.00
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08-0.11	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.18-0.22	0.50
Chloroform	ug/L	3.4		11.9	ND	6.2	11.9			EPA 624	2	0.09-0.18	0.50
Chromium III	ug/L		0.93	0.90	0.90	2.0	7.26			EPA 200.8			0.50
Chromium VI	ug/L		0.08	0.05	0.05	0.09	0.19			EPA218.6(Diss.)		0.01	0.05
Chromium, total	ug/L		1.01	0.90	0.90	2.1	7.54			EPA 200.8	0.5	0.07-0.11	0.50
Chromium, total (24-hr composite)	ug/L		0.95	0.76	0.76	0.99	1.27			EPA 200.8	0.5	0.07-0.11	0.5
Chrysene	ug/L				1.27	ND	1.27			EPA 610	10	0.005	0.020
Copper	ug/L	3.29	3.32	4.19	3.29	4.40	5.72	21.7(4)/16.8(5)	16.8(4)/13(5)	EPA 200.8	0.5	0.04-0.16	0.50
Cyanide, total	ug/L		ND	ND	ND	ND	ND			SM 4500 CN E	5	0.0010-1000	0.0050-5000
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.003-0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.10-0.16	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12-0.16	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098(4)(5)	0.049(4)(5)	EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	DNQ Est. Conc. 0.16		0.81	ND	ND	0.81			EPA 624	2	0.08-0.14	0.50
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.21-0.27	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.19-0.26	2.0
Dissolved oxygen	mg/L	5.6	6.6	6.3	5.6	6.2	7.1			SM 4500 O G		0.1	1.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM9223/SM9223Quant		1.1	1.0-1.1
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002-0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001-0.002	0.01
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001-0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.12-0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625	1	0.10-0.19	1.0
Fluorene	ug/L	ND		ND	ND	ND	ND			EPA 625	10	0.18-0.30	10.0
Fluoride	mg/L	0.618	0.681	0.603	0.587	0.641	0.760			SM 4500 F C		0.003-0.004	0.100
gamma-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.02	0.0009-0.001	0.01
Gross alpha radioactivity	pCi/L			3.60	0.592	1.63	3.60		15(4)(5)	EPA 900.0		0.914-2.62	0.914-2.62
Gross beta radioactivity	pCi/L			5.42	0.334	4.53	8.92			EPA 900.0		0.843-2.38	0.843-2.38
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0008-0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA508.1/EPA625	1	0.0030-0.18	0.050-1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.14-0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA508.1/EPA625	5	0.014-0.75	0.050-5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.14	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098(4)(5)	0.049(4)(5)	EPA 610	10	0.004	0.020
Iron	ug/L			22.0	22.0	29.6	37.0		300(4)(5)	EPA 200.8		3.0-5.0	20.0
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.13-0.25	1.0
Lead	ug/L	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.16	0.029	0.29	166(3)(4)/62(3)(5)		EPA 200.8	0.5	0.01-0.03	0.25
Mercury	ug/L	0.0011	0.00090	0.0015	0.00034	0.0017	0.0039	0.095(5)	0.051(5)	EPA 1631	0.5	0.00011-0.00031	0.00020-0.00050
Methoxychlor	ug/L	ND		ND	ND	ND	ND			EPA 608		0.001	0.01
Methyl bromide (bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.21-0.34	0.50
Methyl chloride (chloromethane)	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.06-0.19	0.50
Methyl tert-butyl ether	ug/L			ND	ND	ND	ND			EPA 524.2/EPA 624		0.12-0.21	0.50-2.0
Methylene chloride	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.22			EPA 624	2	0.18-0.20	0.50

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
n-Nitrosodi-n-propylamine	ug/L		ND	ND					ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.0096	0.011	0.010			0.028	0.035	0.034	0.034
n-Nitrosodiphenylamine	ug/L		ND	ND					ND	
Naphthalene	ug/L		ND	ND					ND	
Nickel	ug/L		7.11	6.03			6.02		4.34	
Nitrate + nitrite as nitrogen	mg/L	7.56	7.85	7.45			8.55	7.37	7.08	7.16
Nitrate nitrogen	mg/L	7.46	7.73	7.41			8.50	7.32	7.04	7.11
Nitrite nitrogen	mg/L	0.100	0.119	0.040			0.058	0.053	0.037	0.048
Nitrobenzene	ug/L		ND	ND					ND	
OctaCDD	pg/L		DNQ Est. Conc. 23	DNQ Est. Conc. 3.7					DNQ Est. Conc. 4.3	
OctaCDF	pg/L		DNQ Est. Conc. 4.2	DNQ Est. Conc. 4.2					DNQ Est. Conc. 5.9	
Oil and grease	mg/L	ND	ND	1.0			ND	ND	ND	ND
Organic nitrogen	mg/L	0.643	0.601	0.830			0.855	0.723	0.606	ND
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 12	
PCB-129/138/163	pg/L								DNQ Est. Conc. 34	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 16 (8)	
PCB-90/101/113	pg/L								DNQ Est. Conc. 32 (7)	
PCB-105	pg/L								ND	
PCB-114	pg/L								ND	
PCB-118	pg/L								DNQ Est. Conc. 15 (7)	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-158	pg/L								ND	
PCB-167	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 4.3 (8)	
PCB-177	pg/L								DNQ Est. Conc. 5.6 (8)	
PCB-183	pg/L								DNQ Est. Conc. 3.6 (8)	
PCB-187	pg/L								DNQ Est. Conc. 16	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND	
PCB-201	pg/L								ND	
PCB-206	pg/L								ND	
PCB-37	pg/L								ND	
PCB-52	pg/L								DNQ Est. Conc. 45 (7)	
PCB-66	pg/L								ND	
PCB-77	pg/L								DNQ Est. Conc. 4.4	
PCB-81	pg/L								ND	
PCB-99	pg/L								DNQ Est. Conc. 4.8	
PCB-110/115	pg/L								DNQ Est. Conc. 23 (7)(8)	
PCB-128/166	pg/L								ND	
PCB-135/151	pg/L								DNQ Est. Conc. 25	
PCB-147/149	pg/L								DNQ Est. Conc. 46	
PCB-153/168	pg/L								DNQ Est. Conc. 34	
PCB-156/157	pg/L								ND	
PCB-18/30	pg/L								DNQ Est. Conc. 7.5	
PCB-180/193	pg/L								DNQ Est. Conc. 16	
PCB-20/28	pg/L								DNQ Est. Conc. 7.6	
PCB-44/47/65	pg/L								DNQ Est. Conc. 85 (7)	
PCB-49/69	pg/L								DNQ Est. Conc. 9.0 (7)	
PCBs as Congeners Sum	pg/L								ND	
Pentachlorophenol	ug/L		ND	ND			ND		ND	
Perchlorate	ug/L		0.63	0.48					0.99	1.5
Phenanthrene	ug/L		ND	ND			ND		ND	
Phenol	ug/L		ND	DNQ Est. Conc. 0.20			DNQ Est. Conc. 0.23		DNQ Est. Conc. 0.18	
pH	SU	7.4	7.4	7.4			7.5	7.5	7.5	7.5
Polychlorinated biphenyls (PCBs)	ug/L		ND	ND				ND	ND	
Pyrene	ug/L		ND	ND					ND	
Selenium	ug/L		DNQ Est. Conc. 0.57	DNQ Est. Conc. 0.54			DNQ Est. Conc. 0.38		DNQ Est. Conc. 0.44	
Settleable solids	mL/L	ND	ND	ND			ND	ND	ND	ND
Silver	ug/L		ND	ND			DNQ Est. Conc. 0.01		DNQ Est. Conc. 0.01	
Strontium-90	pCi/L		0.413	0			ND		0.520	
Sulfate	mg/L	112	126	126			156	128	150	151
Surfactant (CTAS)	mg/L	ND	ND	ND			ND	ND	ND	ND
Surfactant (MBAS)	mg/L	0.10	ND	0.10			ND	ND	ND	ND
Technical chlordane	ug/L		ND	ND					ND	
Temperature	Degrees F	73.8	75.4	76.3			83.6	84.3	84.8	85.5
Tetrachloroethylene	ug/L		ND	ND			ND		ND	
Thallium	ug/L		ND	ND					ND	
Toluene	ug/L		ND	ND			ND		ND	

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA1625(Mod.)/EPA 625		0.0005-0.19	0.0020-5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.037	0.060	0.046	0.0096	0.030	0.060			EPA1625 (Mod.)	5	0.0003-0.0005	0.0020
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.15-0.23	1.0
Naphthalene	ug/L				ND	ND	ND			EPA525.2/EPA625	1	0.042-0.18	0.50-1.0
Nickel	ug/L		22.6	4.23	4.23	8.39	22.6			EPA 200.8	1	0.12-0.13	1.00
Nitrate + nitrite as nitrogen	mg/L	7.67	8.22	7.80	7.08	7.67	8.55		8(4)(5)	SM 4500 NO3 F		0.030	0.200
Nitrate nitrogen	mg/L	7.64	8.12	7.76	7.04	7.61	8.50		8(4)(5)	SM 4500 NO3 F		0.030	0.200
Nitrite nitrogen	mg/L	0.032	0.098	0.042	0.032	0.063	0.119		1.0(4)(5)	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.13-0.22	1.0
OctaCDD	pg/L		DNQ Est. Conc. 5.6		DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 23			EPA 1613B		0.39-1.1	99-110
OctaCDF	pg/L		ND		ND	ND	DNQ Est. Conc. 5.9			EPA 1613B		0.84-0.93	99-110
Oil and grease	mg/L	ND	ND	ND	ND	0.10	1.0	15(4)(5)	10(4)(5)	EPA 1664A		0.8-0.9	1.0-4.6
Organic nitrogen	mg/L	ND	0.513	0.400	ND	0.517	0.855			EPA351.2/SM4500NH3 G		0.050-0.135	0.200
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12			EPA 1668		2.2	1200
PCB-129/138/163	pg/L				DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34			EPA 1668		1.9	610
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		1.3	810
PCB-90/101/113	pg/L				DNQ Est. Conc. 32	ND	DNQ Est. Conc. 32			EPA 1668		2.3	610
PCB-105	pg/L				ND	ND	ND			EPA 1668		2.6	20
PCB-114	pg/L				ND	ND	ND			EPA 1668		2.3	20
PCB-118	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15			EPA 1668		2.2	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		2.2	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		3.7	20
PCB-158	pg/L				ND	ND	ND			EPA 1668		1.5	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		1.8	20
PCB-170	pg/L				DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3			EPA 1668		1	200
PCB-177	pg/L				DNQ Est. Conc. 5.6		DNQ Est. Conc. 5.6			EPA 1668		0.91	200
PCB-183	pg/L				DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6			EPA 1668		0.71	200
PCB-187	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		1.6	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		1.8	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		1.9	200
PCB-201	pg/L				ND	ND	ND			EPA 1668		1.3	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		1.7	200
PCB-37	pg/L				ND	ND	ND			EPA 1668		3.2	200
PCB-52	pg/L				DNQ Est. Conc. 45	ND	DNQ Est. Conc. 45			EPA 1668		1.2	200
PCB-66	pg/L				ND	ND	ND			EPA 1668		1.5	200
PCB-77	pg/L				DNQ Est. Conc. 4.4	ND	DNQ Est. Conc. 4.4			EPA 1668		2.5	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		2.2	20
PCB-99	pg/L				DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8			EPA 1668		2.4	200
PCB-110/115	pg/L				DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23			EPA 1668		1.9	400
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		1.9	400
PCB-135/151	pg/L				DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25			EPA 1668		2	400
PCB-147/149	pg/L				DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46			EPA 1668		1.9	400
PCB-153/168	pg/L				DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34			EPA 1668		1.6	400
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		2.6	40
PCB-18/30	pg/L				DNQ Est. Conc. 7.5	ND	DNQ Est. Conc. 7.5			EPA 1668		1.3	400
PCB-180/193	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16			EPA 1668		0.78	400
PCB-20/28	pg/L				DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6			EPA 1668		1.9	400
PCB-44/47/65	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85			EPA 1668		1.1	610
PCB-49/69	pg/L				DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0			EPA 1668		0.93	400
PCBs as Congeners Sum	pg/L				ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA515.3/EPA625	5	0.040-0.64	0.20-1.0
Perchlorate	ug/L	1.8	1.5	0.8	0.48	1	1.8		6(4)(5)	EPA 331.0		0.0201	0.05
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.11-0.19	5.0
Phenol	ug/L	DNQ Est. Conc. 0.18		DNQ Est. Conc. 0.21	ND	ND	DNQ Est. Conc. 0.23			EPA 625	1	0.10-0.14	1.0
pH	SU	7.4	7.4	7.3	7.3	7.4	7.5			SM 4500 H+ B		1.00	4.00
Polychlorinated biphenyls (PCBs)	ug/L	ND		ND	ND	ND	ND			EPA 608			
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.19-0.27	10.0
Selenium	ug/L		DNQ Est. Conc. 0.52	DNQ Est. Conc. 0.63	DNQ Est. Conc. 0.38	ND	DNQ Est. Conc. 0.63			EPA 200.8	2	0.04-0.17	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3(4)(5)	0.1(4)(5)	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	ND	DNQ Est. Conc. 0.01			EPA 200.8	0.25	0.01-0.03	0.20
Strontium-90	pCi/L			0.227	ND	0.232	0.520		8(4)(5)	EPA 905.0		0.682	0.682
Sulfate	mg/L	138	141	150	112	138	156		300(4)(5)	EPA 300.0		0.240-0.440	2.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	0.10	ND	ND	0.030	0.10		0.5(4)(5)	SM 5540C		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	84.1	79.2	75.2	73.8	80.2	85.5	86(4)(5)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.16-0.18	0.50
Thallium	ug/L		ND	ND	ND	ND	ND			EPA 200.8	1	0.010-0.020	0.25
Toluene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.06-0.19	0.50

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	January	February	March	April*	May*	June	July	August	September
Total chlorinated hydrocarbons (TICH)	mg/L		ND	ND					ND	
Total coliform	No./100mL	ND	ND	ND			ND	ND	ND	ND
Total dissolved solids	mg/L	614	626	607			698	606	704	652
Total hardness	mg/L	213	221	218			226	218	221	223
Total nitrogen	mg/L	8.48	8.68	8.63			11.0	8.60	8.20	7.66
Total phosphorus	mg/L	0.151	0.140	0.142			0.757	1.33	0.678	0.159
Total residual chlorine	mg/L	ND	ND	ND			ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND			ND	ND	ND	ND
Toxaphene	ug/L		ND	ND				ND	ND	
Toxic equivalence	ug/L		ND	ND					ND	
Trichloroethylene	ug/L		ND	ND			ND		ND	
Tritium	pCi/L		ND	ND			176		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.36	0.40	0.47			1.1	0.60	0.50	0.41
Uranium	pCi/L		0.188	0			0.384		0.188	
Vinyl chloride	ug/L		ND	ND			ND		ND	
Zinc	ug/L	61.8	57.7	59.2			48.9	47.7	51.8	47.8

Whittier Narrows Water Reclamation Plant
2015 EFF-001A Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Total chlorinated hydrocarbons (TICH)	mg/L		ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	23(4)(5)(6)		SM9221B/SM9222B		1-1.8	1-1.8
Total dissolved solids	mg/L	664	624	696	606	649	704		750(4)(5)	SM 2540C		5.4-6.7	50.0-62.5
Total hardness	mg/L	227	225	220	213	221	227			EPA200.8/SM2340C		0.01-0.70	0.05-10
Total nitrogen	mg/L	8.26	9.58	8.68	7.66	8.78	11.0			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.201	0.296	0.171	0.140	0.403	1.33			EPA 365.1		0.001	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1(4)(5)		SM 4500 Cl C		0.05	0.05
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45(4)(5)	15(4)(5)	SM 2540D		2.5	2.5
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.04-0.08	0.5
Toxic equivalence	ug/L		ND		ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13-0.28	0.50
Tritium	pCi/L			ND	ND	35.2	176		20000(4)(5)	EPA 906.0		434	434
Turbidity (flow proportioned avg daily value)	NTU	0.40	0.35	0.34	0.34	0.49	1.1	2(4)(5)		SM 2130B		0.12	0.12
Uranium	pCi/L			0.288	0	0.094	0.384		20(4)(5)	EPA 908.0		0.300	0.300
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.20-0.37	0.50
Zinc	ug/L	53.3	47.2	54.6	47.2	53.0	61.8	159(3)(5)	114(3)(5)	EPA 200.8	1	0.22-0.66	1.00

(1) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Present seasonal limits are from April 1 through September 30.
(2) The Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Absent seasonal limits are from October 1 through March 31.
(3) Wet weather effluent limits apply when the maximum daily flow measured at the Los Angeles River Wardlow station is equal to or greater than 500 cubic feet per second.
(4) Effluent limits apply to Discharge Point 001 that flow into San Gabriel River.
(5) Effluent limits apply to Discharge Point 002, 003, and 004 that flow into Rio Hondo.
(6) Number of Coliforms may not exceed 23/100 mL in more than one sample during any 30-day period.
(7) Compound was found in the blank and sample.
(8) The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ration. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
* Whittier Narrows WRP was shut down during April and May 2015.