BOARD OF SUPERVISORS AGENDA ITEM REPORT

Requested Board Meeting Date: November 7, 2017

Title: Commercial Billing Class Rate Increase for Wastewater Service

Introduction/Background:

The treatment of high Strength wastewater results in additional operational costs such as increased electricity and chemical usage. "Strength" means a measure of the relative impact of sanitary sewage on county treatment processes. Strength factors include, but are not limited to, measurements of Chemical Oxygen Demand, Suspended Solids, and Total Nitrogen concentrations. Other wastewater constituent concentrations may be monitored and regulated by the Department as required to comply with state and federal permits and regulations, to protect the public sanitary sewerage system, and to use in recovery of associated wastewater conveyance and treatment costs. Therefore, a Strength factor is built into the sewer user fee calculation to account for wastewater with Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), and Total Nitrogen (TN) values higher than normally expected from residential wastewater. This assures the fair and equitable distribution of wastewater treatment operational costs when all users pay their proportionate share.

Discussion:

Sampling data from 2013, 2015, and 2017, have confirmed higher Strength wastewater values for Commercial Billing Class customers when compared to the Residential Billing Class. The Commercial Billing Class includes customers primarily engaged in wholesale or retail, communication, finance, insurance, and any other non-residential service not identified as an Industrial Billing Class as outlined in Pima County Code, 13.24, *Sanitary Sewer User Fees*.

Conclusion:

Based on this higher Strength wastewater and the corresponding higher cost of service, it is appropriate the Strength factor for the Commercial Billing Class increase 16 percent. This will impact between 15,000 and 20,000 commercial user accounts. Adopting this rate increase, either through a one-time 16 percent increase or a phased implementation over two years at eight percent each, will more than likely negate any future sewer user fee increase for the next few years. This increased rate ensures equitable cost recovery from the Commercial Billing Class.

Recommendation:

Approve a 16 percent increase to the strength factor for the Commercial Billing Class.

Fiscal Impact:

Increase will likely generate $6.5M additional annual revenue.

Board of Supervisor District:

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒ All

Department: Regional Wastewater Reclamation Department Telephone: 724-6500

Contact: Jennifer C. Coyle Telephone: 724-9788

Department Director Signature/Date: 10/12/17

Deputy County Administrator Signature/Date: 10/16/17

County Administrator Signature/Date: _____ 10-16-17

High Strength User Fee Study - Commercial Plaza (No High Strength Users)

	04016-2000 - MH 8563-12 4th St. and Rook Ave.				04016-2002 - MH 3327-01 Fort Lowell Rd. and Alvernon Wy.				04016-1004 - MH 4534-PV01 La Cholla Corporate Center			
Lab ID	1502022	1502033	1502039	Average	1502022	1502033	1502039	Average	1502163	1502172	1502184	Average
Sample Date	2/3/2015	2/4/2015	2/5/2015		2/3/2015	2/4/2015	2/5/2015		2/24/2015	2/25/2015	2/26/2015	
pH (S.U.)	8.7	8.6	8.5	8.6	8.2	8.4	8.4	8.3	7.3	7.6	7.9	7.6
Ammonia (mg/L)	104.0	66.5	85.5	85.3	27.7	25.4	39.0	30.7	1.3	1.6	2.4	1.8
Total Nitrogen (mg/L)	153.0	131.0	150.0	144.7	45.0	49.2	62.7	52.3	12.5	16.4	28.2	19.0
Total phosphorus (mg/L)	18.4	11.6	10.7	13.6	3.80	4.01	8.16	5.3	0.96	1.58	2.30	1.6
COD (mg/L)	820	1480	1160	1153	319	346	524	396	204	162	199	188
TSS (mg/L)	940	620	566	709	152	96	352	200	24	48	31	34

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	8.2	NA	NA
Ammonia (mg/L)	39.3	35.5	31.9
Total Nitrogen (mg/L)	72.0	53.4	49.7
Total phosphorus (mg/L)	6.8	6.7	NA
COD (mg/L)	579	609	569
TSS (mg/L)	314	268	177

High Strength User Fee Study - Commercial Plaza (No High Strength Users)

	04016-2000 - MH 8563-12 4th St. and Rook Ave.	04016-2002 - MH 3327-01 Fort Lowell Rd. and Alvernon Wy.	04016-1004 - MH 4534-PV01 La Cholla Corporate Center
	Health Trio (Healthcare software)	Surgcenter Tucson	Curriculum Associate
	Coresource Inc. (Healthcare software)	Dehnert Dental	Northwest Children's Dentist
	Arizona Oncology	Camp Lowell Surgery Center	TJ Bednar Homes
	Radiology Limited	Congresman Ron Barber - Vacant	Arizona Biomedical Services
	New World Real Estate Settlement	Puente Nuevo Development	Casas Adobes Pediatrics
		Rick Engineering Co.	Northstar Hyperbaric/Neurology
		Make Way for Books	Southwest Investment Advisors
		Bancroft Law	Job Aire Group
		Tucson Vein Institute	Premeir Foot & Ankle Surgeons
			Associates Medical Mgmt (Software)
			Stanford Valerlaus Dentistry
			Arizona Hearing Associates
			Arizona Gastroenterology
			Arizona Digestive Institute
			Visiting Angels
			Casabona Chiropractic
			Arizona Prosthodontics
			Desert Internal medicine
			Red Seam Bookkeeping
			Laser Eye Surgery
			Vision Care
			Law Office
			Weight Loss Clinic
			Travel Agency

High Strength User Fee Study - Commercial Plaza (With High Strength Users)

	04016-20136 - MH 4190-44-1 Rita Rd. and Houghton Rd.				04016-1005 - MH 6905-03 Linda Vista Blvd. and Thornydale Rd.				04016-1006 - MH 3570-01 N. Oracle Rd.			
Lab ID	1502023	1502030	1502048	Average	1502023	1502041	1502049	Average	1502071	1502083	1502091	Average
Sample Date	2/3/2015	2/4/2015	2/6/2015		2/3/2015	2/5/2015	2/6/2015		2/10/2015	2/11/2015	2/12/2015	
pH (S.U.)	7.8	7.6	7.7	7.7	7.4	7.2	6.8	7.1	7.1	7.1	6.8	7.0
Ammonia (mg/L)	12.3	25	29.0	22.1	15.6	22.7	17.2	18.5	22.1	21.7	16.6	20.1
Total Nitrogen (mg/L)	60.0	73.1	88.7	73.9	40.0	52.4	61.0	51.1	95.8	58.4	155	103.1
Total phosphorus (mg/L)	6.88	9.12	10.00	8.7	5.50	6.30	6.84	6.2	13.4	7.25	7.46	9.4
COD (mg/L)	904	1000	1470	1125	659	1660	1100	1140	2750	1220	5250	3073
TSS (mg/L)	482	478	540	500	181	184	146	170	1620	201	3490	1770

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.3	NA	NA
Ammonia (mg/L)	20.2	35.5	31.9
Total Nitrogen (mg/L)	76.0	53.4	49.7
Total phosphorus (mg/L)	8.1	6.7	NA
COD (mg/L)	1779	609	569
TSS (mg/L)	814	268	177

High Strength User Fee Study - Commercial Plaza (With High Strength Users)

	04016-20136 - MH 4190-44-1 Rita Rd. and Houghton Rd.	04016-1005 - MH 6905-03 Linda Vista Blvd. and Thornydale Rd.	04016-1006 - MH 3570-01 N. Oracle Rd.
	Rita Ranch Dental Group	Safeway	Dunkin Donuts
	Pizza Hut/Wing Street	Mt. View Vet Clinic	Scottrade
	Bruegger's Bagels	Great Clips	Southern Arizona Urgent Care
	Optometrist	Super Cleaners	El Charro Café
	Staggs Chiropractic	Leo's Real Mexican Food	Goodwill
	Baskin Robbins	H&R Block	Innovative Nail And Spa
	Massage	Subway	Cheng's Beijing Chinese Food
	Subway	State farm	Poochini's Pet Grooming
	Luckie's Thai Asian Cuisine	Dak's Pizza and Games	Carraba's Italian Restaurant
	Supercleaners	Roadrunner Coffee	Personnal Training Institute
	Ms. Tax CPA	Nico's Mexican Food	Framed to Perfection
	Postnet	McDonald's	Sport Clips
	Sally Beauty Supply	Chevron (No Carwash)	College Nannies and Tutors
	Eva Nails	Bank of America	Sheffield Diamonds
	Great Clips		Saffron
	Russel Cellular		
	Fry's		
	Carl's jr.		
	Bank of America		
	Frazee Paint		
	Rita Ranch Pet Hospital		

Rita Road & Houghton - Commercial Plaza w/H.S.

SAMPLE LOCATION
Fry's Only

FRY'S

Great Clips
Chinese Food
Sally's Beauty Supply
Russell Cellular
Post Net

Fry's Gas Station

Baskin-Robbins
Brueggers
Subway
Pizza Hut/Wing Street

Rita Ranch Pet Hospital

Carl's Jr

Dental Office
Closed Fitness Gym

Bank of America

SAMPLE LOCATION

Linda Vista & Thornydale

High Strength User Fee Study - Shopping Malls

	04016-2003 - Tucson Mall				04016-2004 - Park Place Mall				04016-1003 - Foothills Mall			
Lab ID	1502070	1502083	1502135	Average	1502074	1502086	1502093	Average	1502172	1502184	1502192	Average
Sample Date	2/10/2015	2/11/2015	2/19/2015		2/10/2015	2/11/2015	2/12/2015		2/25/2015	2/26/2015	2/27/2015	
pH (S.U.)	7.3	7.0	7.4	7.2	6.7	6.9	6.8	6.8	7.3	7.8	7.4	7.5
Ammonia (mg/L)	15.7	22.7	12.2	16.9	20.3	19.6	20	20.0	24	26.4	25.9	25.4
Total Nitrogen (mg/L)	38.0	41.5	30.5	36.7	46.2	35	35	38.7	79.8	192	74	115.3
Total phosphorus (mg/L)	4.99	5.14	3.26	4.5	4.68	4.34	5.62	4.9	14.9	11.3	7.72	11.3
COD (mg/L)	1100	1370	377	949	1620	1050	979	1216	1170	2690	1240	1700
TSS (mg/L)	186	408	94.5	230	802	326	374	501	169	840	181	397

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.2	NA	NA
Ammonia (mg/L)	20.8	35.5	31.9
Total Nitrogen (mg/L)	63.6	53.4	49.7
Total phosphorus (mg/L)	6.9	6.7	NA
COD (mg/L)	1288	609	569
TSS (mg/L)	376	268	177

High Strength User Fee Study - Grocery Store

	04016-2005 Sprouts 4282 N. 1st Ave.				04016-2006 - MH 9784-04 Fry's 4036 N. 1st Ave.				04016-2012 - MH 9784-04 Fry's 8080 S. Houghton Rd.			
Lab ID	1503019	1503028	1503042	Average	1503019	1503028	1503042	Average	1503133	1503140	1503150	Average
Sample Date	3/3/2015	3/4/2015	3/5/2015		3/3/2015	3/4/2015	3/5/2015		3/17/2015	3/18/2015	3/19/2015	
pH (S.U.)	7.5	7.1	8.0	7.5	7.0	7.1	9.1	7.7	7.4	8.4	8	7.9
Ammonia (mg/L)	1.92	2.82	1.0	1.9	22.5	26.1	29	25.9	28.2	20.4	25.6	24.7
Total Nitrogen (mg/L)	40.5	14.6	4.2	19.8	74.3	75.4	128	92.6	74.4	64.2	66.6	68.4
Total phosphorus (mg/L)	1.39	1.65	0.32	1.1	9.24	9.68	8.80	9.2	8.3	8.68	7.76	8.2
COD (mg/L)	100	294	59	151	1520	1220	1890	1543	1030	1050	1010	1030
TSS (mg/L)	18.2	23.6	4.7	16	456	372	268	365	211	160	300	224

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.7	NA	NA
Ammonia (mg/L)	17.5	35.5	31.9
Total Nitrogen (mg/L)	60.2	53.4	49.7
Total phosphorus (mg/L)	6.2	6.7	NA
COD (mg/L)	908	609	569
TSS (mg/L)	202	268	177

High Strength User Fee Study - Hotels

	04016-1007 - MH 5126-06 - Hilton El Conquistador				04016-2007 - MH 3813-03 JW Marriott Star Pass Resort				04016-2008 - Staybridge Suites 2705 E. Executive Dr.			
Lab ID	1502167	1502176	1502186	Average	1503036	1503045	1503056	Average	1503036	1503045	1503056	Average
Sample Date	2/24/2015	2/25/2015	2/26/2015		3/4/2015	3/5/2015	3/6/2015		3/4/2015	3/5/2015	3/6/2015	
pH (S.U.)	7.7	7.5	7.8	7.7	10.8	7.7	8.0	8.8	7.9	7.8	11.1	8.9
Ammonia (mg/L)	15.3	16.1	8.0	13.1	23.6	24.1	18.8	22.2	5.13	3.78	4.38	4.4
Total Nitrogen (mg/L)	28.8	29.8	23.2	27.3	43	48.4	47.3	46.2	94	60.6	59.7	71.4
Total phosphorus (mg/L)	3.46	3.12	2.51	3.0	4.62	5.26	5.98	5.3	7.54	5.18	5.7	6.1
COD (mg/L)	774	540	431	582	1120	1180	873	1058	670	498	459	542
TSS (mg/L)	224	100	210	178	326	400	231	319	210	85	142	146

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	8.5	NA	NA
Ammonia (mg/L)	13.2	35.5	31.9
Total Nitrogen (mg/L)	48.3	53.4	49.7
Total phosphorus (mg/L)	4.8	6.7	NA
COD (mg/L)	727	609	569
TSS (mg/L)	214	268	177

High Strength User Fee Study - Brewery

	Nimbus 04016-2009 MH 7128-04 E. 44th St.			
Lab ID	1502023	1502030	1502048	Average
Sample Date	2/3/2015	2/4/2015	2/6/2015	
pH (S.U.)	7.3	9.2	7.2	7.9
Ammonia (mg/L)	6.65	7.58	1.85	5.4
Total Nitrogen (mg/L)	321.0	54.8	12.0	129.3
Total phosphorus (mg/L)	33.9	8.52	18.7	20.4
COD (mg/L)	16700	1570	595	6288
TSS (mg/L)	2010	1110	164	1095

Nimbus Brewery

1st Sample during Brewing

2nd Sample during tank cleaning

3rd Sample during normal operation

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.9	NA	NA
Ammonia (mg/L)	5.4	35.5	31.9
Total Nitrogen (mg/L)	129.3	53.4	49.7
Total phosphorus (mg/L)	20.4	6.7	NA
COD (mg/L)	6288	609	569
TSS (mg/L)	1095	268	177

High Strength User Fee Study - Hospitals

	Carondelet - St. Joe's Location # 1				Carondelet - St. Joe's Location # 2				Northwest Medical Center #1			
Lab ID	1503037	1503088	1503097	Average	1503037	1503088	1503097	Average	1503081	1503089	1503098	Average
Sample Date	3/4/2015	3/11/2015	3/12/2015		3/4/2015	3/11/2015	3/12/2015		3/10/2015	3/11/2015	3/12/2015	
pH (S.U.)	7.9	7.9	7.9	7.9	7.2	7.2	7.3	7.2	7.4	7.4	7.2	7.3
Ammonia (mg/L)	11.5	15.9	23.2	16.9	19.3	22.2	32.4	24.6	27.4	21.8	21.2	23.5
Total Nitrogen (mg/L)	14.2	32.9	58.4	35.2	13.5	30	52.6	32.0	18.5	40.8	39.3	32.9
Total phosphorus (mg/L)	3.78	3.34	4.50	3.9	3.86	3	5.14	4.0	5.6	4.2	5	4.9
COD (mg/L)	579	268	375	407	468	259	661	463	579	570	634	594
TSS (mg/L)	270	48	72	130	422	41	314	259	294	214	388	299

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.8	NA	NA
Ammonia (mg/L)	15.9	35.5	31.9
Total Nitrogen (mg/L)	40.3	53.4	49.7
Total phosphorus (mg/L)	5.8	6.7	NA
COD (mg/L)	553	609	569
TSS (mg/L)	171	268	177

High Strength User Fee Study - Hospitals

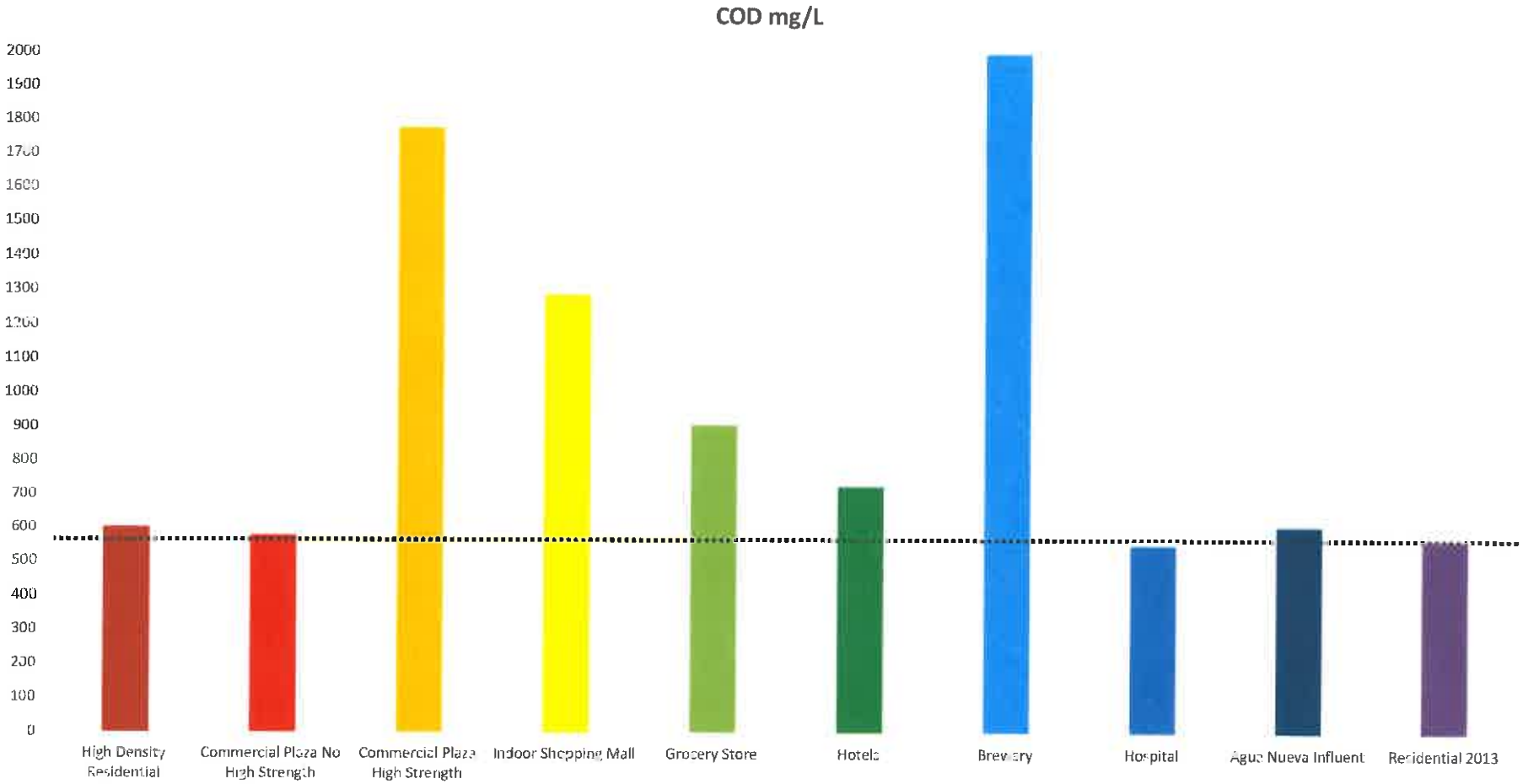
	Northwest Medical Center #2				Northwest Medical Center #3				Northwest Medical Center #4			
Lab ID	1503081	1503089	1503098	Average	1503131	1503141	1503149	Average	1503130	1503141	1503149	Average
Sample Date	3/10/2015	3/11/2015	3/12/2015		3/17/2015	3/18/2015	3/19/2015		3/17/2015	3/18/2015	3/19/2015	
pH (S.U.)	7.8	7.6	7.5	7.6	8.2	8	8.2	8.1	7.8	8.2	8	8.0
Ammonia (mg/L)	10.6	14.4	20.0	15.0	18.5	4.62	13.7	12.3	3.51	5.64	4.56	4.6
Total Nitrogen (mg/L)	19.4	41.3	38.0	32.9	53.2	31.8	45.2	43.4	23.8	46.9	44.6	38.4
Total phosphorus (mg/L)	4.74	6.46	4.06	5.1	5.50	3.77	4.38	4.6	2.74	2.9	5.04	3.6
COD (mg/L)	1090	953	612	885	698	379	502	526	254	1330	324	636
TSS (mg/L)	210	110	184	168	86	156	69	104	235	120	36	130

	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.8	NA	NA
Ammonia (mg/L)	15.9	35.5	31.9
Total Nitrogen (mg/L)	40.3	53.4	49.7
Total phosphorus (mg/L)	5.8	6.7	NA
COD (mg/L)	553	609	569
TSS (mg/L)	171	268	177

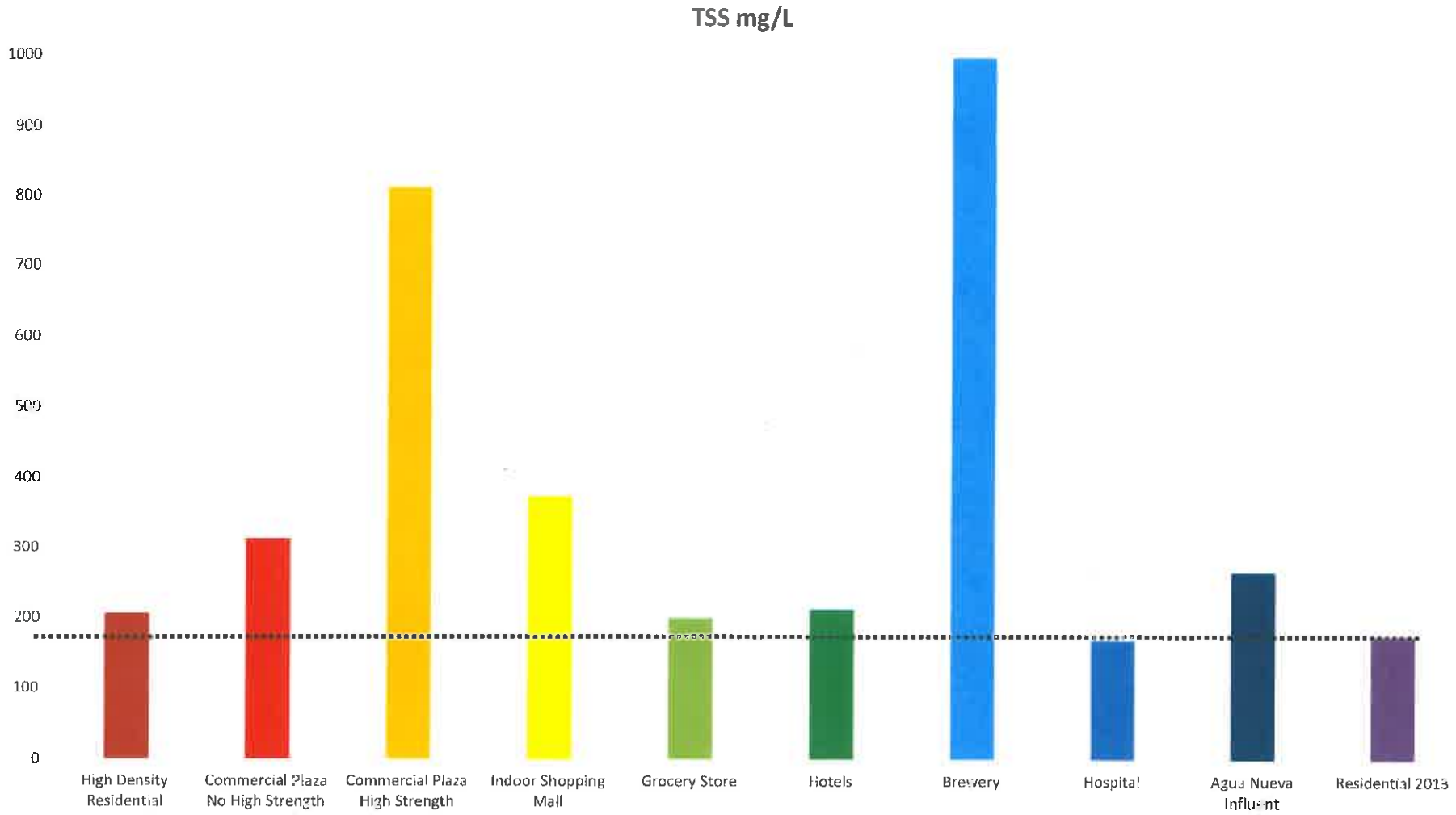
High Strength User Fee Study - Hospitals

	Tucson Medical Center #1A				Tucson Medical Center #2				Tucson Medical Center #3			
Lab ID	1503180	1503201	1503208	Average	1503189	1503201	1503208	Average	1503190	1503201	1503208	Average
Sample Date	3/24/2015	3/26/2015	3/27/2015		3/24/2015	3/26/2015	3/27/2015		3/24/2015	3/26/2015	3/27/2015	
pH (S.U.)	7.9	6.6	7.8	7.4	10.3	9	8.4	9.2	7.7	7.8	7	7.5
Ammonia (mg/L)	29.2	28.3	28.6	28.7	8.3	10.9	6.42	8.5	7.14	7.8	11	8.6
Total Nitrogen (mg/L)	74.8	77.0	74.8	75.5	24.7	26.8	26.2	25.9	44.2	48.1	47.8	46.7
Total phosphorus (mg/L)	6.02	7.20	6.78	6.7	11.40	7.05	9.92	9.5	4.85	7.94	18.2	10.3
COD (mg/L)	372	541	400	438	500	653	898	684	253	457	311	340
TSS (mg/L)	38	224	125	129	169	262	252	228	12	220	34	89

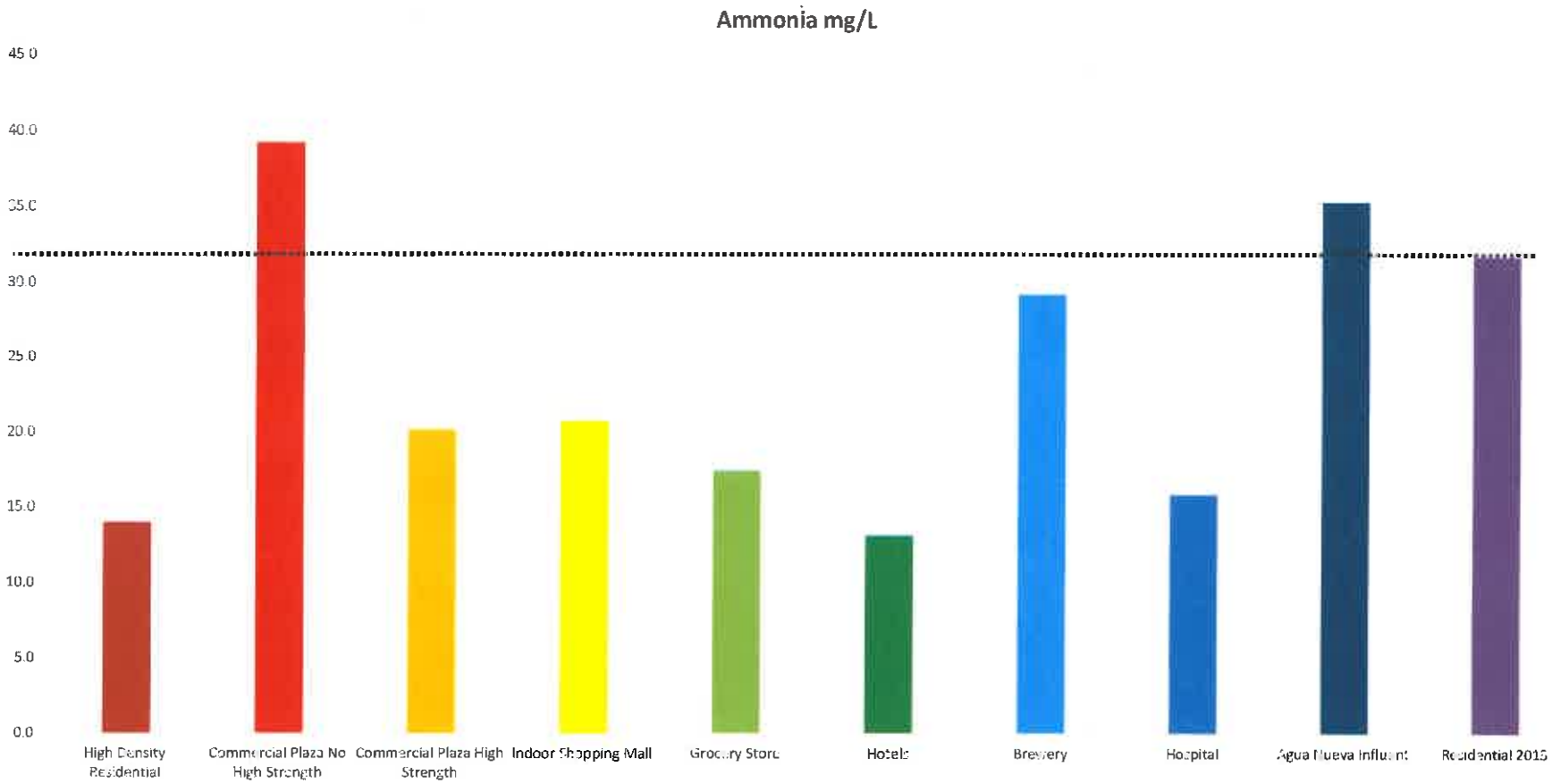
	Category Average	Agua Nueva WRF Influent March 2015 Average	Residential 2013
pH (S.U.)	7.8	NA	NA
Ammonia (mg/L)	15.9	35.5	31.9
Total Nitrogen (mg/L)	40.3	53.4	49.7
Total phosphorus (mg/L)	5.8	6.7	NA
COD (mg/L)	553	609	569
TSS (mg/L)	171	268	177



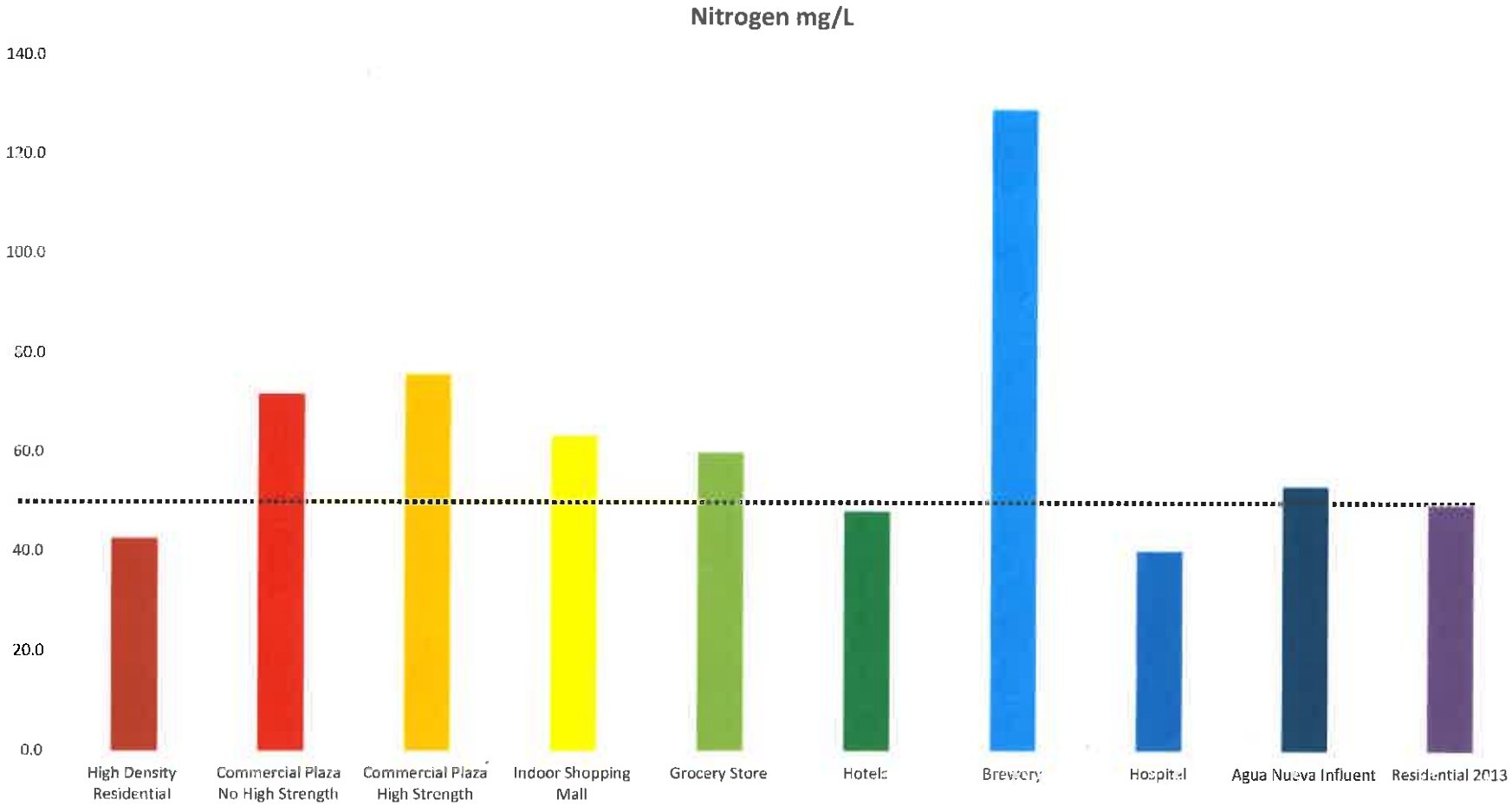
	COD mg/L
High Density Residential	603
Commercial Plaza No High Strength	579
Commercial Plaza High Strength	1779
Indoor Shopping Mall	1288
Grocery Store	908
Hotels	727
Brewery	6288
Hospital	553
Agua Nueva Influent	609
Residential 2013	569



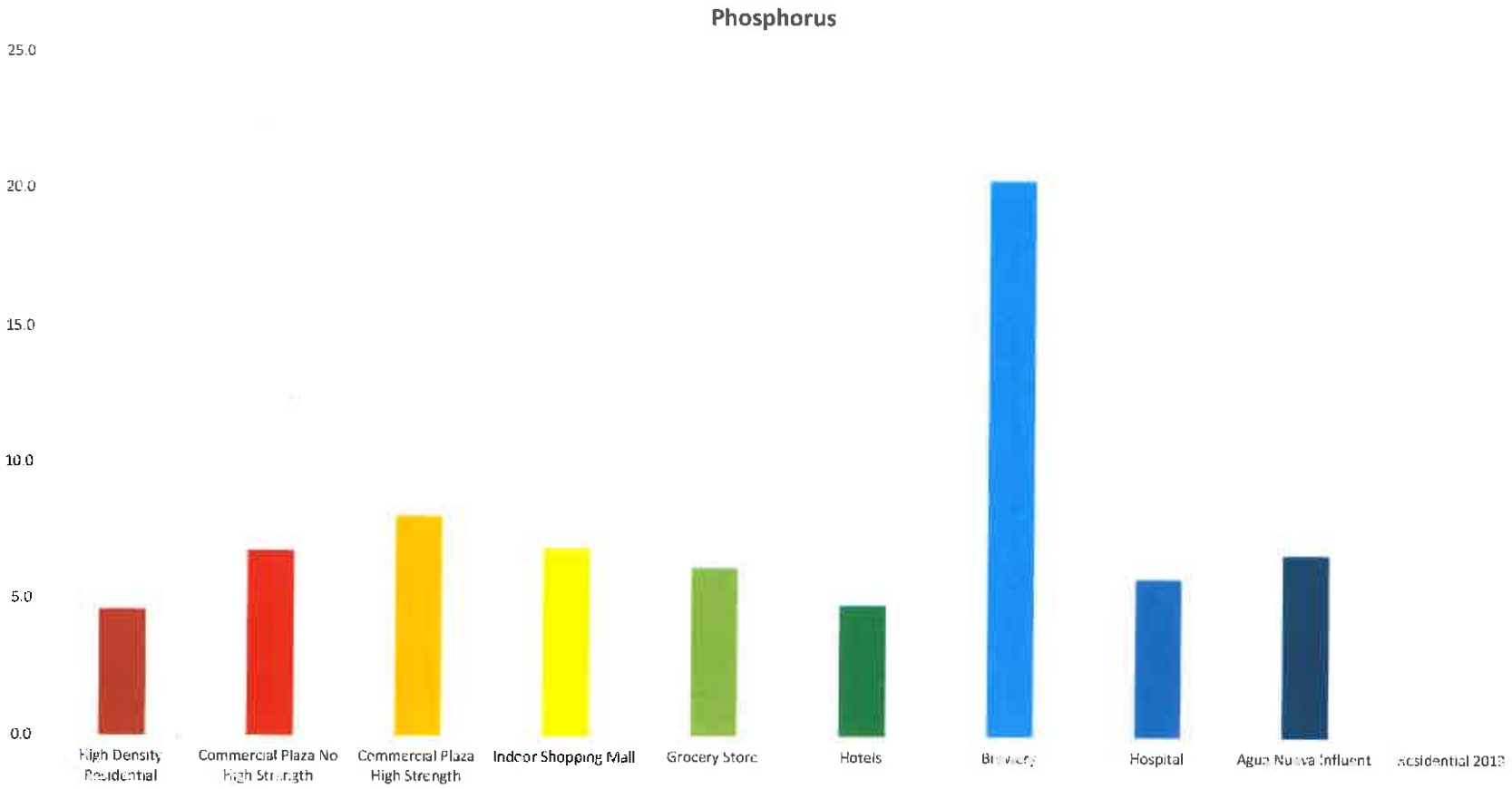
	TSS
High Density Residential	207
Commercial Plaza No High Strength	314
Commercial Plaza High Strength	814
Indoor Shopping Mall	376
Grocery Store	202
Hotels	214
Brewery	1095
Hospital	171
Agua Nueva Influent	268
Residential 2013	177



	Ammonia
High Density Residential	14.0
Commercial Plaza No High Strength	39.3
Commercial Plaza High Strength	20.2
Indoor Shopping Mall	20.8
Grocery Store	17.5
Hotels	13.2
Brewery	29.3
Hospital	15.9
Agua Nueva Influent	35.5
Residential 2013	31.9



	Nitrogen mg/L
High Density Residential	42.7
Commercial Plaza No High Strength	72.0
Commercial Plaza High Strength	76.0
Indoor Shopping Mall	63.6
Grocery Store	60.2
Hotels	48.3
Brewery	129.3
Hospital	40.3
Agua Nueva Influent	53.4
Residential 2013	49.7



	Phosphorus
High Density Residential	4.6
Commercial Plaza No High Strength	6.8
Commercial Plaza High Strength	8.1
Indoor Shopping Mall	6.9
Grocery Store	6.2
Hotels	4.8
Brewery	20.4
Hospital	5.8
Agua Nueva Influent	6.7
Residential 2013	NA

Pima County Regional Wastewater Reclamation Department
Compliance and Regulatory Affairs Office (CRAO) Laboratory
2955 W. Calle Agua Nueva, Tucson, Arizona 85745-9750, Phone (520) 724-6200

Report Date: 10/12/2017
Laboratory License: AZO159

Sample Analysis Report

Client:	Industrial Wastewater Control	Work Order ID:	1703008
Project:	High Strength User Fee Study-Commercial	Lab Received Date:	2/28/17 16:22
Permit Type:	Investigative	Project Number:	04016

Sample Integrity

SAMPLE RECEIPT: Samples were received intact at the required temperature, unless otherwise noted with a data qualifier. Please refer to the Chain of Custody for sample receipt details.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Pima County CRAO Laboratory Quality Manual.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS:

All results on this report intended for compliance submission must have the associated chain(s) of custody attached for the results to meet reporting requirements as per ADHS Laboratory Licensure Rules. If you have received this report for compliance purposes and it is not complete, please contact the Compliance and Regulatory Affairs Office for a final report in its entirety.

Reviewed By:

Jenelle Thrift — 10-12-17

Laboratory Director or Designee — Date
Pima County Regional Wastewater Reclamation Department
Compliance and Regulatory Affairs Office Laboratory

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Sample Qualifiers
TR - TCI Wealth Advisors	1703008-01	Water	2/28/2017 15:15:00	2/28/2017 16:22:00	Q6

Sample ID: **1703008-01**
Site Location: TR - TCI Wealth Advisors
Site Number: 04016-1013

Sample Start Date/Time 2/28/2017 11:15:00
Sample End Date/Time 2/28/2017 15:15:00
Sampled By: Ryan Wichert

Parameter	Sample Type	Analysis Method	Analysis Date/Time	Analysis Value	Units	MDL	MRL	Data Qualifiers	Analyst	SubLab
Chemical Oxygen Demand	C	Hach 8000	3/7/17 11:37	1010	mg/L	18.0	20.00		CJF	
Total Suspended Solids	C	SM 2540D	3/2/17 11:20	516	mg/L		2.50		ESW	

Sample ID: **1703008-02**
Site Location: TR - The Home Depot
Site Number: 04016-1014

Sample Start Date/Time 2/28/2017 9:45:00
Sample End Date/Time 2/28/2017 15:45:00
Sampled By: Ryan Wichert

Parameter	Sample Type	Analysis Method	Analysis Date/Time	Analysis Value	Units	MDL	MRL	Data Qualifiers	Analyst	SubLab
Chemical Oxygen Demand	C	Hach 8000	3/7/17 11:37	1190	mg/L	18.0	20.00		CJF	
Total Suspended Solids	C	SM 2540D	3/2/17 11:20	224	mg/L		2.50		ESW	

Qualifier Definitions

Q6	Sample was received above recommended temperature.

General Notes and Definitions

J	Equivalent to F4 Qualifier - Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL) but above MDL.
ND	Analyte NOT DETECTED at or above reporting limit (MDL). Equivalent to E8 Qualifier - Analyte reported to MDL per project specification. Target analyte was not detected in the sample
C	Sample Type - Composite
CD	Sample Type - Composite Duplicate
D	Sample Type - Discrete
DD	Sample Type - Discrete Duplicate
NR	Not Reported
DET	Analyte DETECTED
DRY	Sample results reported on a dry weight basis.
RPD	Relative Percent Difference.
Analysis Date	Analysis Date represents the final reading date.
Field Results	Field Results are not subject to approval of Laboratory Director
Solids. Total Volatile	Used for process control samples only.
RE	Re-analysis has been performed.
FD	Field Duplicate
FB	Field Blank

Case Narrative(s)

None

Pima County Regional Wastewater Reclamation Department
Compliance and Regulatory Affairs Office Laboratory

COPY **RUSH**

CHAIN OF CUSTODY

WORK ORDER & SAMPLE(S): 1705 1703003-01

PROJECT & LOCATION: High Strength User Fee Study - Commercial - TR - TCI Wealth Advisors

PROJECT-LOCATION NUMBER: 04016-1013 (XXXX-XXXX)

SAMPLE START DATE: 02/28/17 (MM/DD/YY OR MM/DD/YYYY)

SAMPLE START TIME: 1145 (Military time)

CLIENT: IWC

SAMPLE END DATE: 02/28/17 (MM/DD/YY OR MM/DD/YYYY)

SAMPLE END TIME: 1515 (Military time)

SAMPLER(S): Hubbard, Valenzuela (Print Last Name(s) Only)

Permit Type: ☐ APP ☐ AZPDES ☐ IWC ■ Investigative ☐ Reuse ☐ Air ☐ 503 ☐ Process Control ☐ Other

Matrix: ☐ Biosolids ☐ Groundwater ☐ Industrial ☐ Soil ☐ Stormwater ☐ Surface Water ■ Wastewater ☐ Air ☐ Other

INORGANIC CHEMISTRY

METALS	Tot	Diss	D	C
Aluminum	☐	☐	☐	☐
Antimony	☐	☐	☐	☐
Arsenic	☐	☐	☐	☐
Barium	☐	☐	☐	☐
Beryllium	☐	☐	☐	☐
Boron	☐	☐	☐	☐
Cadmium	☐	☐	☐	☐
Calcium	☐	☐	☐	☐
Chromium	☐	☐	☐	☐
Cobalt	☐	☐	☐	☐
Copper	☐	☐	☐	☐
Hardness	☐	☐	☐	☐
Iron	☐	☐	☐	☐
Lead	☐	☐	☐	☐
Magnesium	☐	☐	☐	☐
Manganese	☐	☐	☐	☐
Mercury	☐	☐	☐	☐
Mercury LL	☐	☐	☐	☐
Molybdenum	☐	☐	☐	☐
Nickel	☐	☐	☐	☐
Potassium	☐	☐	☐	☐
Selenium	☐	☐	☐	☐
Silver	☐	☐	☐	☐
Sodium	☐	☐	☐	☐
Thallium	☐	☐	☐	☐
Tin	☐	☐	☐	☐

METALS	Tot	Diss	D	C
Titanium	☐	☐	☐	☐
Vanadium	☐	☐	☐	☐
Zinc	☐	☐	☐	☐
PPMs *	☐	☐	☐	☐
TCLP Metals			☐	☐
503 Metals **			☐	☐
Dissolved Cr+6			☐	☐

WET METHODS	D	C
Ammonia as N	☐	☐
Chloride	☐	☐
Cyanide, Total	☐	☐
Cyanide, Amenable	☐	☐
Fluoride	☐	☐
Ignitability	☐	☐
Nitrate as N	☐	☐
Nitrite as N	☐	☐
Nitrate/Nitrite as N	☐	☐
Nitrogen, Total Kjeldahl	☐	☐
Nitrogen, Total as N	☐	☐
Orthophosphate as P	☐	☐
Phosphorus, Total as P	☐	☐
Sulfate	☐	☐
Sulfide	☐	☐
Other	☐	☐
Other	☐	☐

ORGANIC CHEMISTRY

	D	C
Acrolein and Acrylonitrile	☐	☐
Dioxin GC/SIM/MS Scan	☐	☐
Organochlorine Pesticides & PCBs	☐	☐
Purgeable Organics (GCMS)	☐	☐
Semivolatile Organics (GCMS)	☐	☐
Bis(2-ethylhexyl) phthalate	☐	☐
Digester Gas	☐	☐
Oil and Grease	☐	☐
Organic Carbon, Total	☐	☐
Organic Carbon, Dissolved	☐	☐
TCLP Herbicides (Contract Lab)	☐	☐
TCLP Pesticides	☐	☐
TCLP Semivolatile Organics	☐	☐
TCLP Volatile Organics	☐	☐
TTHM	☐	☐
Total Petroleum Hydrocarbons	☐	☐
Volatile Acids	☐	☐
Other	☐	☐
Other	☐	☐

EFFLUENT TOXICITY TESTING

	D	C
Chronic *P. promelas*	☐	☐
Chronic *C. dubia*	☐	☐
Chronic *Selenastrum capricornutum*	☐	☐
Other	☐	☐

MICROBIOLOGY - WET CHEM

	D	C
Alkalinity	☐	☐
BOD	☐	☐
COD	☐	■
Coliform, Fecal	☐	☐
Coliform, Total	☐	☐
Specific Conductance	☐	☐
E. coli	☐	☐
Oxygen, Dissolved	☐	☐
pH	☐	☐
Solids, Total	☐	☐
Solids, Total Dissolved	☐	☐
Solids, Total Suspended	☐	■
Solids, Total Volatile	☐	☐
Solids, Volatile Suspended	☐	☐
Other	☐	☐

OTHER

	D	C
Paint Filter	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

COMPLIANCE FIELD MEASUREMENTS

	Result	Units
☐ Chlorine *Hach 10014*		µg/L
☐ Specific Conductance *SM 2510 B*		µmhos/cm
☐ Oxygen, Dissolved *SM 4500-O G*		mg/L
☐ pH @ pH Temp *SM 4500-H B*	@	pH Units @ °C
☐ Temperature *SM 2550 B*		°C
☐ Total Depth of Well		feet
☐ Depth to Water		feet
☐ Other		

Comments/Instructions:
Samples from a private manhole
District 1

Septum Blank Prep Date & Initials:

Chain of Custody Record (Signature Only)

Relinquished by Sampler	Received by	Date	Time (Military time)
		02-28-17	1522
Relinquished by	Received by	Date	Time (Military time)
Relinquished by	Received by	Date	Time (Military time)
Relinquished by	Received by	Date	Time (Military time)

Sample Integrity/Preservation:

# of Bottles Delivered: 2 GCS

Transported on Ice: ☒ YES ☐ NO

Lab Receipt

Temperature: 8 °C

Initials: CJ

QC qualifier? ☒ YES ☐ NO

LAB USE ONLY

Sample Inspection:	Yes	No	NA
Chain of Custody Record completed appropriately?	☒	☐	☐
Sample labels match Chain of Custody?	☒	☐	☐
Correct number of sample bottles were delivered?	☒	☐	☐
Custody seals intact?	☐	☐	☒
Within holding time?	☒	☐	☐
Sufficient sample volume for analysis?	☒	☐	☐
Samples are in properly preserved containers?	☒	☐	☐
Sample containers damaged/leaking/frozen?	☐	☒	☐
40 ml vials headspace. > pea-sized air bubble?	☐	☐	☒
Received from a refrigerator?	☐	☒	☐

* Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Mercury(Cold Vapor)
** As, Cd, Cr, Cu, Pb, Mercury, Mo, Ni, Se, Zn

COC-Single Revision 2

Revised: 03/12/2015

Pima County Regional Wastewater Reclamation Department
Compliance and Regulatory Affairs Office Laboratory

COPY **RUSH**

CHAIN OF CUSTODY

WORK ORDER & SAMPLE(S): ~~1702~~ 1703008-02

PROJECT & LOCATION: High Strength User Fee Study - Commercial - TR - The Home Depot

PROJECT-LOCATION NUMBER: 04016-1014 (XXXXX-XXXX)

SAMPLE START DATE: 02/28/2017 (MM/DD/YY OR MM/DD/YYYY)

SAMPLE START TIME: 0945 (Military time)

CLIENT: IWC

SAMPLE END DATE: 02/28/2017 (MM/DD/YY OR MM/DD/YYYY)

SAMPLE END TIME: 1545 (Military time)

SAMPLER(S): Michael Valenzuela (Print Last Name(s) Only)

Permit Type: ☐ APP ☐ AZPDES ☐ IWC ■ Investigative ☐ Reuse ☐ Air ☐ 503 ☐ Process Control ☐ Other

Matrix: ☐ Biosolids ☐ Groundwater ☐ Industrial ☐ Soil ☐ Stormwater ☐ Surface Water ■ Wastewater ☐ Air ☐ Other

INORGANIC CHEMISTRY

METALS	Tot	Diss	D	C
Aluminum	☐	☐	☐	☐
Antimony	☐	☐	☐	☐
Arsenic	☐	☐	☐	☐
Barium	☐	☐	☐	☐
Beryllium	☐	☐	☐	☐
Boron	☐	☐	☐	☐
Cadmium	☐	☐	☐	☐
Calcium	☐	☐	☐	☐
Chromium	☐	☐	☐	☐
Cobalt	☐	☐	☐	☐
Copper	☐	☐	☐	☐
Hardness	☐	☐	☐	☐
Iron	☐	☐	☐	☐
Lead	☐	☐	☐	☐
Magnesium	☐	☐	☐	☐
Manganese	☐	☐	☐	☐
Mercury	☐	☐	☐	☐
Mercury LL	☐	☐	☐	☐
Molybdenum	☐	☐	☐	☐
Nickel	☐	☐	☐	☐
Potassium	☐	☐	☐	☐
Selenium	☐	☐	☐	☐
Silver	☐	☐	☐	☐
Sodium	☐	☐	☐	☐
Thallium	☐	☐	☐	☐
Tin	☐	☐	☐	☐

METALS	Tot	Diss	D	C
Titanium	☐	☐	☐	☐
Vanadium	☐	☐	☐	☐
Zinc	☐	☐	☐	☐
PPMs *	☐	☐	☐	☐
TCLP Metals			☐	☐
503 Metals **			☐	☐
Dissolved Cr+6			☐	☐

WET METHODS	D	C
Ammonia as N	☐	☐
Chloride	☐	☐
Cyanide, Total	☐	☐
Cyanide, Amenable	☐	☐
Fluoride	☐	☐
Ignitability	☐	☐
Nitrate as N	☐	☐
Nitrite as N	☐	☐
Nitrate/Nitrite as N	☐	☐
Nitrogen, Total Kjeldahl	☐	☐
Nitrogen, Total as N	☐	☐
Orthophosphate as P	☐	☐
Phosphorus, Total as P	☐	☐
Sulfate	☐	☐
Sulfide	☐	☐
Other	☐	☐
Other	☐	☐

ORGANIC CHEMISTRY

	D	C
Acrolein and Acrylonitrile	☐	☐
Dioxin GC/SIM/MS Scan	☐	☐
Organochlorine Pesticides & PCBs	☐	☐
Purgeable Organics (GCMS)	☐	☐
Semivolatile Organics (GCMS)	☐	☐
Bis(2-ethylhexyl) phthalate	☐	☐
Digester Gas	☐	☐
Oil and Grease	☐	☐
Organic Carbon, Total	☐	☐
Organic Carbon, Dissolved	☐	☐
TCLP Herbicides (Contract Lab)	☐	☐
TCLP Pesticides	☐	☐
TCLP Semivolatile Organics	☐	☐
TCLP Volatile Organics	☐	☐
TTHM	☐	☐
Total Petroleum Hydrocarbons	☐	☐
Volatile Acids	☐	☐
Other	☐	☐
Other	☐	☐

EFFLUENT TOXICITY TESTING

	D	C
Chronic *P. promelas*	☐	☐
Chronic *C. dubia*	☐	☐
Chronic *Selenastrum capricomutum*	☐	☐
Other	☐	☐

MICROBIOLOGY - WET CHEM

	D	C
Alkalinity	☐	☐
BOD	☐	☐
COD	☐	■
Coliform, Fecal	☐	☐
Coliform, Total	☐	☐
Specific Conductance	☐	☐
E. coli	☐	☐
Oxygen, Dissolved	☐	☐
pH	☐	☐
Solids, Total	☐	☐
Solids, Total Dissolved	☐	☐
Solids, Total Suspended	☐	■
Solids, Total Volatile	☐	☐
Solids, Volatile Suspended	☐	☐
Other	☐	☐

OTHER

	D	C
Paint Filter	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

COMPLIANCE FIELD MEASUREMENTS

	Result	Units
☐ Chlorine *Hach 10014*		µg/L
☐ Specific Conductance *SM 2510 B*		µmhos/cm
☐ Oxygen, Dissolved *SM 4500-O G*		mg/L
☐ pH @ pH Temp *SM 4500-H B*	@	pH Units @ °C
☐ Temperature *SM 2550 B*		°C
☐ Total Depth of Well		feet
☐ Depth to Water		feet
☐ Other		

Comments/Instructions:
Samples from a private manhole
District 3

System Blank Prep Date & Initials:

Chain of Custody Record (Signatures Only)

Relinquished by/Sampler	Received by	Date	Time (Military time)
		02-28-17	1622
Relinquished by	Received by	Date	Time (Military time)
Relinquished by	Received by	Date	Time (Military time)
Relinquished by	Received by	Date	Time (Military time)

Sample Integrity/Preservation

of Bottles Delivered: 1 03

Transported on Ice: ☒ YES ☐ NO

Lab Receipt

Temperature: 8 °C

Initials: [illegible]

Q6 qualifier? ☐ YES ☒ NO

LAB USE ONLY

Sample Inspection:	Yes	No	NA
Chain of Custody Record completed appropriately?	☑	☐	☐
Sample labels match Chain of Custody?	☑	☐	☐
Correct number of sample bottles were delivered?	☑	☐	☐
Custody seals intact?	☐	☐	☒
Within holding time?	☑	☐	☐
Sufficient sample volume for analysis?	☑	☐	☐
Samples are in properly preserved containers?	☒	☐	☐
Sample containers damaged/leaking/frozen?	☐	☒	☐
40 ml vials headspace, > pea-sized air bubble?	☐	☐	☒
Received from a refrigerator?	☐	☒	☐

* Sb, As, Ba, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Mercury(Cold Vapor)
** As, Cd, Cr, Cu, Pb, Mercury, Mo, Ni, Se, Zn

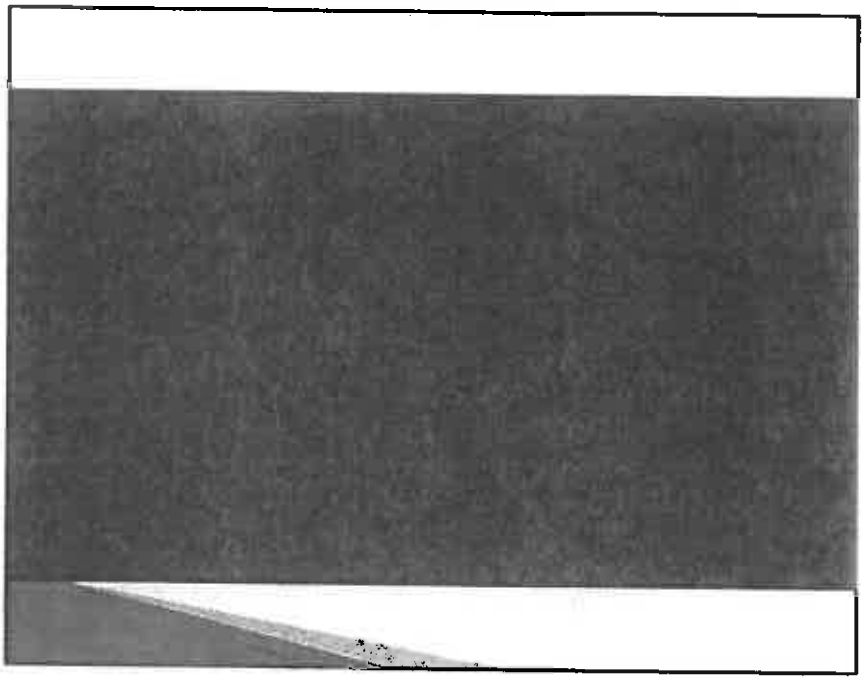
COC-Single Revision 2

Revised: 03/12/2015

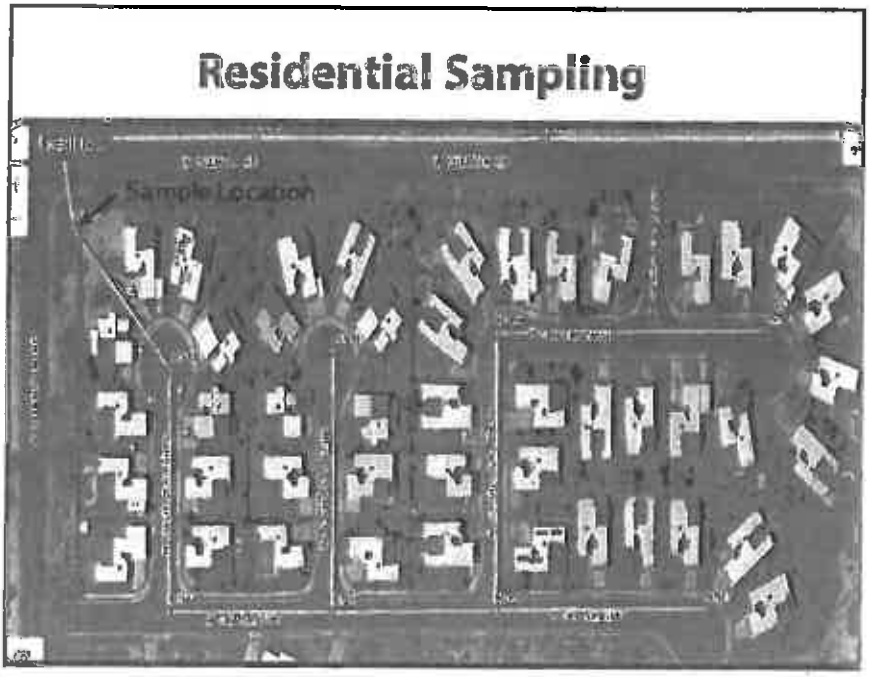
Sampling Data

Commercial Class

PIMA COUNTY
WASTEWATER RECLAMATION



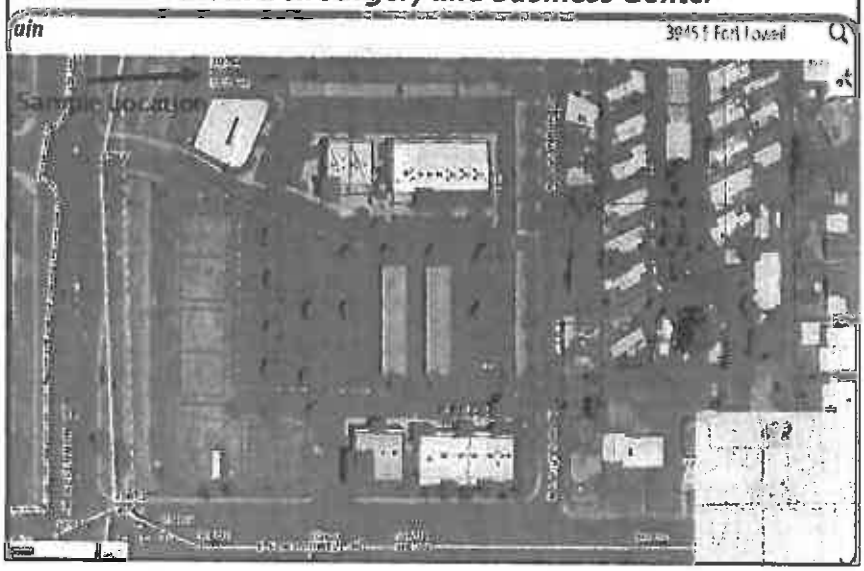
Video of a typical sampling event.
This is how we do it!



A strength of wastewater study for the residential class was conducted in 2013.
This map shows a sewer layout in a residential neighborhood.
The sample location was chosen because it only receives sewerage from residences before comingling with other customer classes.
This is also a safe, accessible manhole that should yield representative data.

Sampling and Analysis

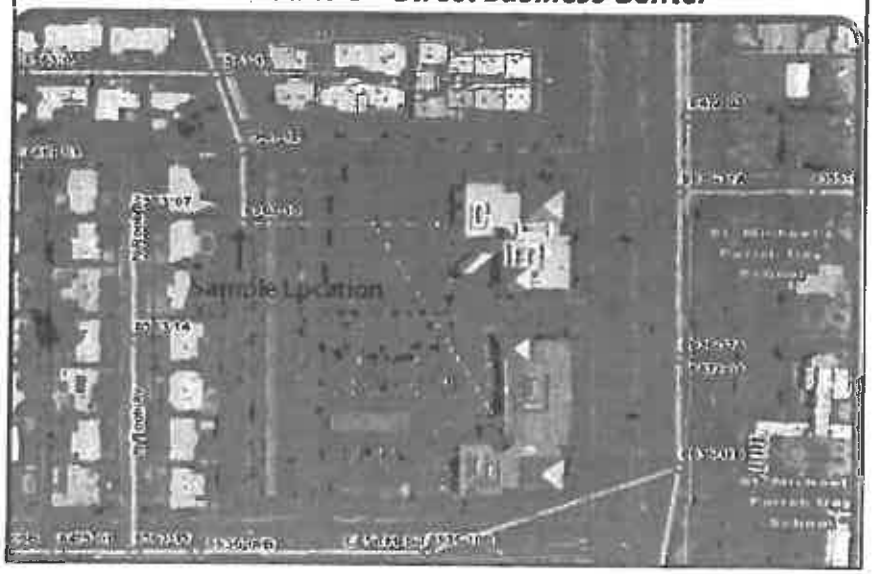
Fort Lowell Surgery and Business Center



A strength of wastewater study for the commercial class was conducted in 2015.
27 locations were sampled and analyzed during the study
This is the Fort Lowell Surgery and Business Center and was one of the commercial properties used in our strength of discharge study.
The complex includes Doug S John Law office, Child and Family support services, Gencor Mortgage office, Rick engineering firm, Surgery center of Tucson and other offices.
The sample location selected collects wastewater from this complex before comingling with other customers.
This is the same method used to conduct residential wastewater strength studies.

Sampling and Analysis

Wilmot and 5th Street Business Center



This is the Wilmot and 5th Business Center and was one of the commercial properties used in our strength of discharge study.

The complex includes Arizona Oncology, Radiology Limited, American Financial Network office and other offices.

The sample location selected collects wastewater from this complex before comingling with other customers.

This is the same method used to conduct residential wastewater strength studies.

Sampling and Analysis

La Cholla Corporate Center

This is the La Cholla Corporate Center and was one of the commercial properties used in our strength of discharge study.

The complex includes Northwest Children's Dentistry, State Farm Insurance, Visiting Angels, Chiropractors, Arizona Hearing Specialists, Southwest Investment Advisors and other offices.

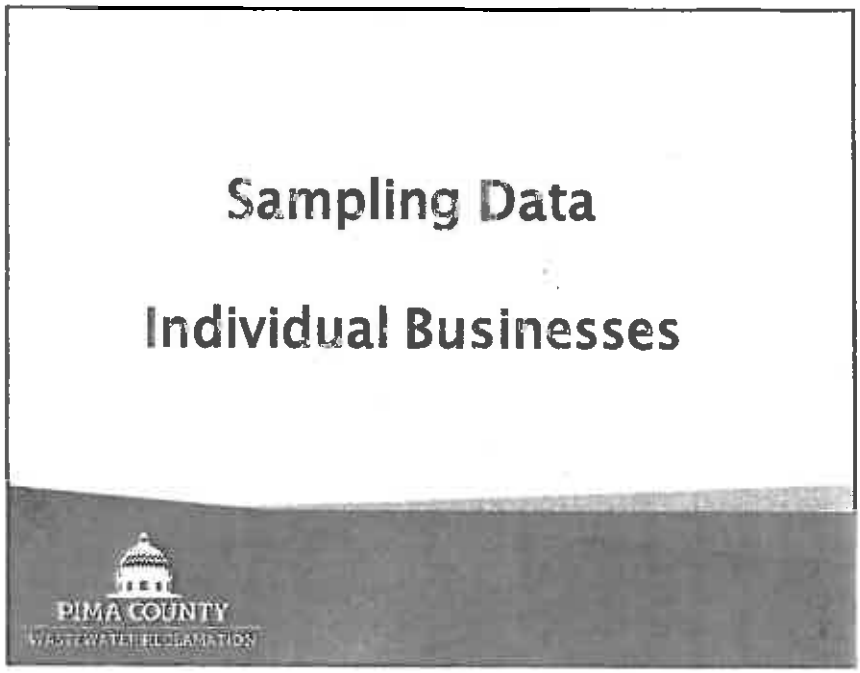
The sample location selected collects wastewater from this complex before comingling with other customers.

This is the same method used to conduct residential wastewater strength studies.

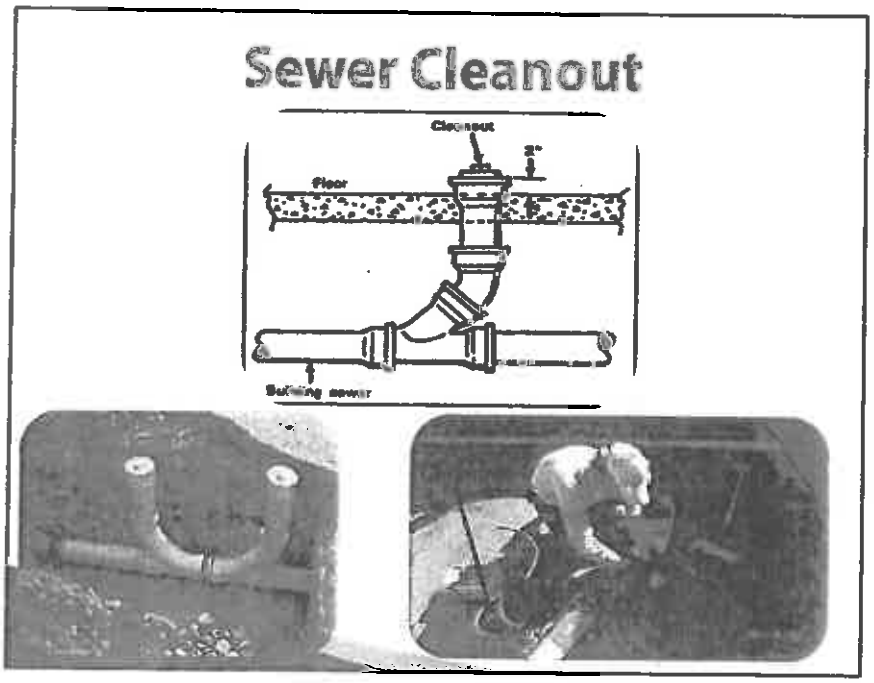
Sampling Data

Class	COD	TSS	Factor	$ per Ccf
Residential (Average)	569	177	1.00	$3.629
				Proposed $ per Ccf
Commercial (Average)	579	314	1.16	$4.210

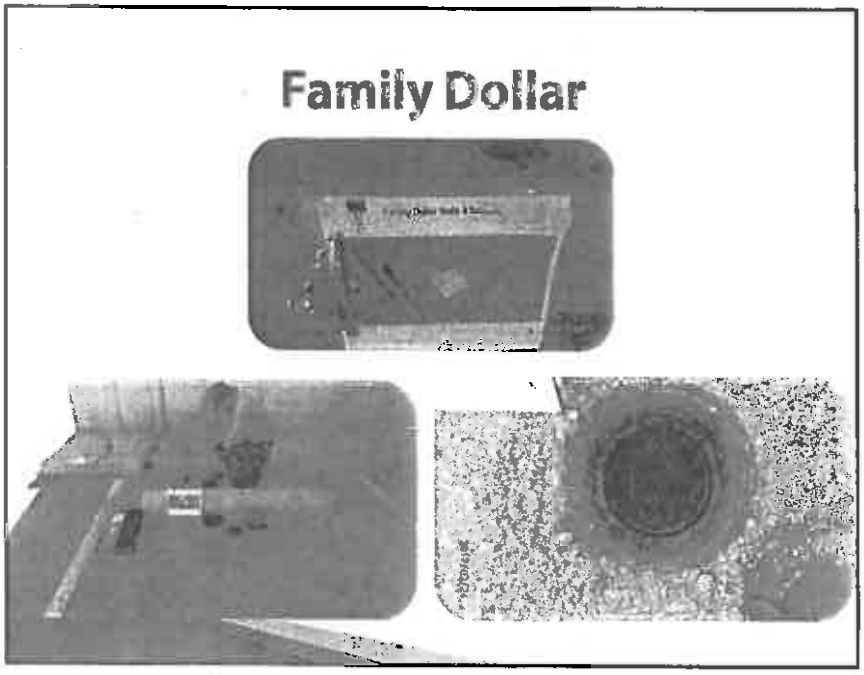
Results from the average of commercial complex sampling data show strength factor of 1.16 based on the sampling and analysis.
COD and TSS removal is paramount to wastewater treatment.
The higher the COD and TSS values, the more it costs Pima County RWRD to achieve EPA and ADEQ permit limits.
COD is Chemical Oxygen Demand.
TSS is Total Suspended Solids.
Ccf = 748 gallons



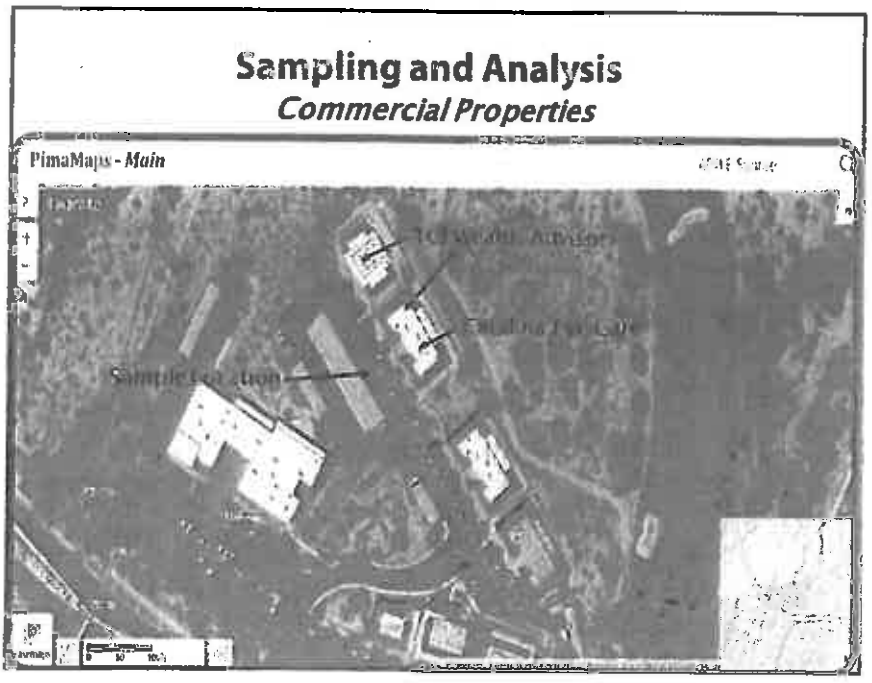
A strength of wastewater for individual businesses was attempted in 2017.
Sampling individual commercial businesses is problematic.
Many have low or intermittent flow making sampling impractical.
Finding sample locations for individual businesses before comingling with other discharges is often not possible.



The only access to many commercial businesses is a sewer cleanout.
Sampling cleanouts over the course of a business day is not practical.
The sampler would have to remain above ground and the sewer cleanout open.
Many cleanouts are out in the front of businesses, in the sidewalk or parking lot close to the building foundation.

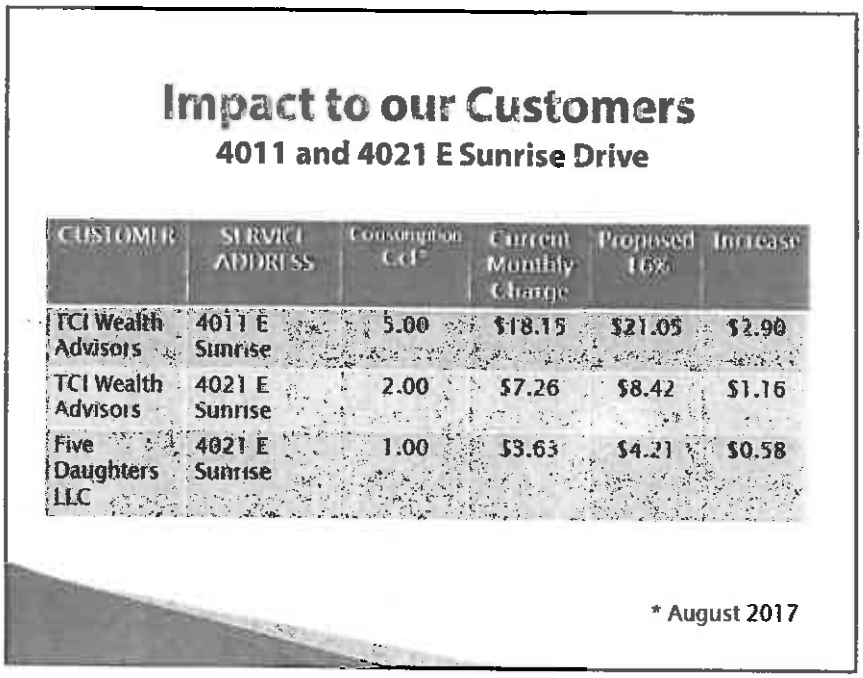


This is the Family Dollar on S. Midvale Park
The only access to the sewer discharge before comingling with other customers is the cleanout.
We concluded that a representative sample could not be taken at this location.



This sample location was chosen to narrow down the strength of wastewater coming from just a few businesses.
The data collected from this sample location shows the average Chemical Oxygen Demand and Suspended Solids are above residential average

COD was 1010mg/L
TSS was 516 mg/L



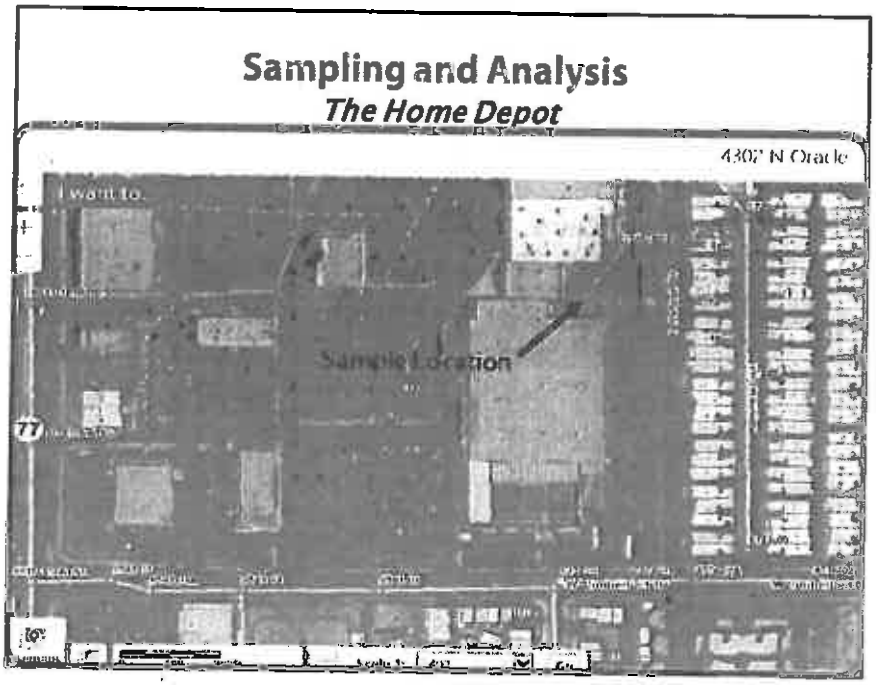
Impact to our Customers

4011 and 4021 E Sunrise Drive

CUSTOMER	SERVICE ADDRESS	Consumption Ccf*	Current Monthly Charge	Proposed 16%	Increase
TCI Wealth Advisors	4011 E Sunrise	5.00	$18.15	$21.05	$2.90
TCI Wealth Advisors	4021 E Sunrise	2.00	$7.26	$8.42	$1.16
Five Daughters LLC	4021 E Sunrise	1.00	$3.63	$4.21	$0.58

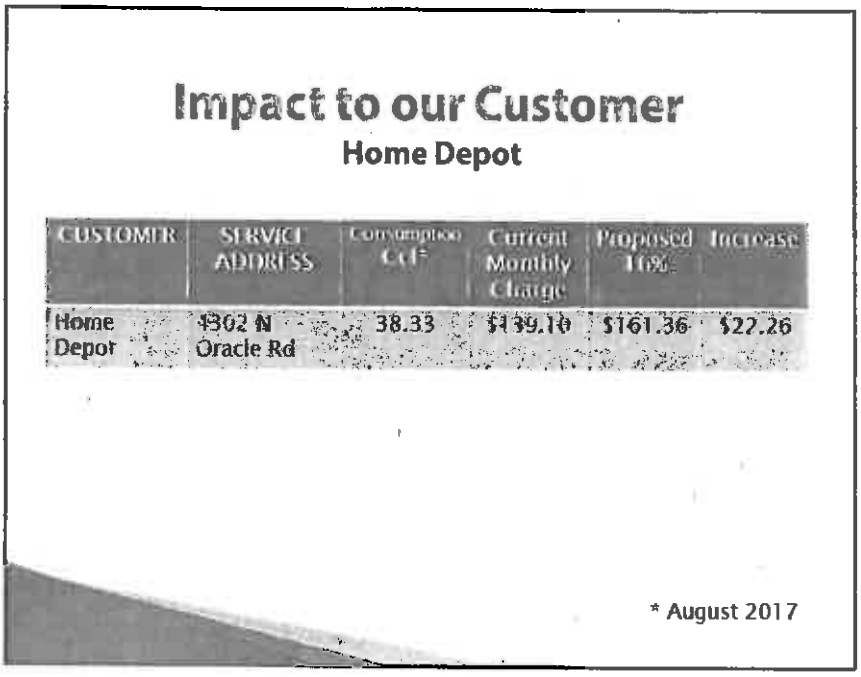
* August 2017

Consumption data from Tucson Water August 2017
Ccf = 748 gallons



This sample location was chosen because there is an accessible manhole that receives flow from the Home Depot only.
The data collected from this sample location shows the average Chemical Oxygen Demand and Suspended Solids are above residential strength average.

COD was 1190 mg/L
TSS was 224 mg/L



Consumption data from Tucson Water August 2017
Ccf = 748 gallons

PIMA COUNTY
WASTEWATER RECLAMATION

Notice and Agenda

REGIONAL WASTEWATER RECLAMATION ADVISORY COMMITTEE (RWRAC) PUBLIC MEETING ON PROPOSED RATE INCREASE TO THE COMMERCIAL BILLING CLASS

Pima County Natural Resources, Parks and Recreation
Conference Room
3500 W. River Road
Tucson, Arizona 85741

Monday, October 16, 2017
6:00 p.m.

A. **Call to Order / Roll Call**

B. **Pledge of Allegiance**

C. **Call to the Audience**

D. **Proposed Rate Increase to the Commercial Billing Class**
   1. **Overview & Sampling Data for the Commercial Billing Class – Jason Grodman**
   2. **Discussion/Action**

E. **Call to the Audience**

F. **Adjournment**

Date of Notice: October 12, 2017

Jennifer C. Coyle, Special Assistant to the Director

Copies posted: County Administration Building: 1st and 5th Floors, "A" and "B" Levels.

NOTE: Under the State Open Meeting Act Rules, no topics other than those listed above may be addressed or acted on at this meeting. Members of the RWRAC will attend either in person or by telephone conference call.

Persons with a disability may request a reasonable accommodation by contacting Veronica Lopez at (520) 724-6500 or by email: Veronica.Lopez@pima.gov. Requests should be made at least 24 hours before the scheduled meeting to allow time to arrange the accommodation.

PIMA COUNTY
WASTEWATER RECLAMATION

NOTICE OF PROPOSED SEWER USER FEE INCREASE
FOR THE COMMERCIAL BILL CLASS

Pursuant to ARS §11-251.13, Pima County is providing notice that on or after November 7, 2017, the Board of Supervisors will consider a sewer user fee increase of up to sixteen percent (16%) for the Commercial bill class. This increase may be a phased implementation in smaller increments over a period of time, or a one-time sixteen percent (16%) increase.

The Commercial bill class includes customers primarily engaged in wholesale or retail, communication, finance, insurance, and any other non-residential service not identified as an Industrial Bill Class as outlined in Pima County Code, 13.24, Sanitary Sewer User Fees.

Sampling over the past several years by the Department has confirmed the higher cost of service for commercial customers when compared to residential customers. This information is outlined in the Raftelis Financial Consultants Rate Structure Study which can be viewed by calling the Regional Wastewater Reclamation Department at (520) 724-6500, or at 201 N Stone Ave, 8th Floor, Tucson, AZ, 85701.

A public meeting sponsored by the Regional Wastewater Reclamation Advisory Committee on the proposed sewer user fee increase is scheduled for:

Monday, October 16, 2017 at 6:00 p.m.
Pima County Natural Resources, Parks and Recreation Department – Conference Room
3500 W. River Road, Tucson AZ 85741

There will also be an opportunity to speak on the proposed sewer user fee increase during the public hearing at the Pima County Board of Supervisors meeting when the matter is scheduled for action, which is currently anticipated to occur on Tuesday, November 7, 2017.

Written comments can be sent to Jennifer C. Coyle, Pima County Regional Wastewater Reclamation Department, 201 N. Stone Avenue, 8th Floor, Tucson, AZ 85701.

ORDINANCE 2017-___

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA; RELATING TO WASTEWATER; AMENDING PIMA COUNTY CODE, TITLE 13, CHAPTER 24, SANITARY SEWER USER FEES

The Board of Supervisors of Pima County Arizona finds that:

1. The cost to manage wastewater discharged from Commercial customers is sixteen (16) percent higher than the cost to manage wastewater discharged from Residential customers.
2. Residential and Commercial customers are currently charged the same user fees.
3. An increase in the Commercial class user fee is warranted to ensure wastewater management costs are equitably distributed among user classes.

BE IT ORDAINED BY THE PIMA COUNTY BOARD OF SUPERVISORS:

SECTION 1. *Amendment.* The Pima County Code, Title 13, Chapter 24, Section 13.24.600, Table 3 is hereby amended as follows:

Table 3
Rates for Multi-Family, Commercial, and Industrial Users

User Class	Class Name	Billing Class	Strength Factor	Rate (dollars per CCF)
2A	Multi-Family	MF	1.0	$3.629
2B	Commercial	C	~~1.0~~1.16	~~3.629~~4.210
3C	Auto body and fender repair	SA	2.10	7.620
3K	Mortuary	SB	1.09	3.955
3N	Laundromat	SC	1.09	3.955
4E	Pet clinic	SD	1.20	4.355
4G	Restaurant, with seating and china	SE	2.03	7.367
4H	Restaurant, fast food	SF	2.32	8.418
5A	Car wash, self-service	SG	1.19	4.318
5C	Bottling company	SI	1.68	6.097

5F	Printing; copying	SJ	1.01	3.665
5G	Electrical component manufacturer	SK	1.14	4.137
5I	Industrial laundry	SL	1.06	3.846
5J	Bakery	SM	3.63	13.172
5K	Miscellaneous food processor	SN	2.33	8.455
5L	Chemical, pharmaceutical	SO	1.25	4.536
5M	Meat packing	SP	2.38	8.637
5S	Car wash, full service	SH	1.23	4.463

SECTION 2. *Severability.* If any provision of this Ordinance, or the application of any provision thereof is determined by a court of law to be invalid, the invalidity of that provision shall not affect other provisions or the application of this ordinance which can be given effect without the provision determined to be invalid, and to this end the provisions of this Ordinance are severable.

SECTION 3. *County Officers and Employees.* The various County officers and employees are authorized and directed to perform all acts necessary or desirable to give effect to this Ordinance.

SECTION 4. *Effective Date.* This Ordinance shall become effective 31 days after it is adopted by the Board of Supervisors.

PASSED AND ADOPTED by the Board of Supervisors of Pima County, Arizona, this _____ day of _____20__.

PIMA COUNTY BOARD OF SUPERVISORS:

_____
Chairperson

ATTEST:

_____
Clerk of the Board

Dated:_____

APPROVED AS TO FORM:

Deputy County Attorney
CHARLES WESSELHOFT

APPROVED AS TO CONTENT:

Director, Regional Wastewater Reclamation Department

Director, Finance Department