



## **SUB-REGIONAL OPERATING GROUP (SROG) Advisory Committee**

### **MEETING NOTICE AND TENTATIVE AGENDA**

**Thursday, August 15, 2024 – 1:30 p.m.**

**AMWUA Office – Boardroom  
3003 North Central Avenue, Suite 1550  
Phoenix, Arizona 85012**

#### **A. Call to Order—Ms. Patty Kennedy, Chair, Phoenix**

#### **B. General Business—Items for Discussion and Possible Action**

1. Schedule Next Meeting Date: Thursday, September 19, 2024, at 1:30 p.m.
2. Information Items
  - a. Multi-City Project Analysis of the 91<sup>st</sup> Avenue WWTP
  - b. Aging Report
  - c. JEPA Reporting Requirement – ANPP Flow Demand Projection
3. 91<sup>st</sup> Avenue WWTP Year End Flow and Loading Report for Fiscal Year 2023-24

Wilson Engineers will present the results of their Flow, COD, and TSS Loading and Analysis (robust analysis) for Fiscal Year 2023-24. The robust analysis is used as the basis for the final settlement.

Please refer to Agenda Item #4.

4. Request to Enter Contract, WS90100103 – Toxicity Identification Evaluation

The City of Phoenix will present the negotiated scope and fee, and request approval to enter into a contract with Hazen and Sawyer for support services related to Toxicity Identification Evaluation.

5. Request to Advertise – WS90100117 Solids Rehab Phase 2 Design and CA&I

**Arizona Municipal Water Users Association**

The City of Phoenix will request authorization to advertise, select a consultant, and negotiate a scope of work and fee for professional services to provide professional consultant services for design, and CA&I services related to the 91<sup>st</sup> Avenue Solids Rehabilitation Phase 2 Project.

6. Request to Advertise – WS90100117 Solids Rehab Phase 2 CMAR

The City of Phoenix will request authorization to advertise, select and negotiate scope of work and fee to provide Preconstruction and Construction Services by the Construction Manager at Risk related to the Solids Rehabilitation Phase 2.

**C. Future Agenda Items**

**D. Adjournment**

**Multi-City Project Analysis**  
**Detail of Expenditures As of June 30, 2024**  
**Table I**

<b>WBS Element</b>	<b>Project Title</b>	<b>Current Month Expenditures</b>	<b>Project To-Date Cost</b>	<b>Outstanding Contractual Amount</b>	<b>Total Project Cost</b>
WS90100021	Flood Protection - Toxicity TIE/TRE	0.00	169,591.05	0.00	169,591.05
WS90100052	91st Ave-Two Phase Digester Study	0.00	8,395,331.23	0.00	8,395,331.23
WS90100092	91st Ave Instrumntation & Control	3,060.00	7,535,573.68	2,792,976.13	10,328,549.81
WS90100093	91st Ave WWTP Pipe/Equip Coating	13,750.00	5,770,813.07	397,642.05	6,168,455.12
WS90100094	91st Ave WWTP Safety	14,670.60	5,986,547.54	867,266.60	6,853,814.14
WS90100095	91st Ave WWTP Work & Asset Mgt	79,846.90	622,827.40	1,205,073.04	1,827,900.44
WS90100098	91st Ave Solar Drying Beds Imprvmnts	0.00	5,143,596.81	0.00	5,143,596.81
WS90100099	91st Ave Groundwater Wells Imprvmnts	0.00	6,096,648.43	15,868.75	6,112,517.18
WS90100100	91st Ave Support Facilities Rehab	101,619.56	10,816,375.50	2,729,228.36	13,545,603.86
WS90100101	91st Ave Process Piping Rehab	153,960.00	11,618,966.60	3,637,235.62	15,256,202.22
WS90100103	Toxicity Identification Evaluation	1,809.00	37,795.96	90,508.00	128,303.96
WS90100104	Multi-Phase Process Improvements	0.00	3,196,866.98	40,000.00	3,236,866.98
WS90100105	91st Ave WWTP Process Control 2016	61,959.40	8,122,591.85	1,034,205.43	9,156,797.28
WS90100106	91st Ave WWTP Fire Safety	156,882.93	7,248,725.44	2,217,315.43	9,466,040.87
WS90100107	91st Ave WWTP Facility Assessment	0.00	2,067,546.79	23,643.67	2,091,190.46
WS90100109	91st Ave WWTP Facility Rehab	1,519,487.04	16,702,190.46	4,776,274.42	21,478,464.88
WS90100111	91st Ave WWTP Solids Rehab Phase 1	1,039,302.29	16,209,531.49	33,181,607.81	49,391,139.30
WS90100112	91st Ave WWTP Plant 2B Rehab	6,223,911.92	34,554,501.55	16,344,068.45	50,898,570.00
WS90100115	91st Ave WWTP Master Plan	100.50	447,732.50	659,769.58	1,107,502.08
WS90120037	91st Ave WWTP Local Limits Study 12-13	0.00	3,385.75	198,557.56	201,943.31
WS90140006	Tres Rios Reuse/Recharge Phase II	0.00	62,243,910.72	0.00	62,243,910.72
WS90140016	Tres Rios Rehab and Replacement	127,623.07	2,832,477.55	120,313.54	2,952,791.09
WS90160084	SROG Interceptor Capacity Improvements	0.00	655,074.36	0.00	655,074.36
WS90160094	Scottsdale Princess Mtr Stn-1	0.00	1,137,726.38	0.00	1,137,726.38
WS90160095	SRO Sanitary Sewer Rehab FY2017/18	0.00	5,094,688.00	0.00	5,094,688.00
WS90160098	Glendale GL02 Metering Station	2,880.00	2,867,465.62	611,517.22	3,478,000.49
WS90160100	SAI 51 Ave Siphons Assessment SROG	0.00	1,498,273.30	0.00	1,498,273.30
WS90160104	SAI Segments 14 & 16 MH Rehab	0.00	131,555.91	0.00	131,555.91
WS90160106	SRO Condition Assessment	6,481.80	101,348.90	1,449,520.38	1,550,869.28
WS90160107	SAI Condition Assessment	6,389.50	909,355.50	1,036,079.50	1,945,435.00
<b>Total</b>		<b>9,513,734.51</b>	<b>228,219,675.53</b>	<b>73,428,671.54</b>	<b>301,646,705.51</b>

MULTI-CITY PROJECT ANALYSIS  
 DETAIL OF OUTSTANDING CONTRACTS AS OF  
 JUNE 30, 2024  
 TABLE II

PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	CHANGE ORDER AMOUNT	LIQUID ENCUMBR	OUTSTANDING CONTRACT AMOUNT
<b><u>WS90100092 - 91ST AVE INSTRUMENTATION &amp; CONTROL</u></b>						
	154042	WILSON ENGINEERS LLC	5,000,000.00		2,207,023.87	2,792,976.13
			9,949,990.06	(217,831.46)	6,939,182.47	2,792,976.13
<b><u>WS90100093 - 91st Ave WWTP Pipe/Equip Coatin</u></b>						
	149652	RFI CONSULTANTS LLC	300,000.00		164,516.95	135,483.05
	155549	PCL CONSTRUCTION INC	275,009.00		12,850.00	262,159.00
			6,236,395.26	(592,168.05)	5,246,585.16	397,642.05
<b><u>WS90100094 - 91ST AVE WWTP Saftey</u></b>						
	147478	WATER WORKS ENGINEERS LLC	332,917.26	(82,917.26)	249,854.06	145.94
	149651	LUDVIK ELECTRIC COMPANY	21,695.00		0.00	21,695.00
	155549	PCL CONSTRUCTION INC	887,086.00		336,779.00	550,307.00
	155878	WATER WORKS ENGINEERS LLC	200,000.00		31,201.06	168,798.94
	155879	EIC ENGINEERS LLC	150,000.00		23,680.28	126,319.72
			6,670,078.94	(201,583.67)	5,523,508.39	867,266.60
<b><u>WS90100095 - 91ST AVE WWTP WORK &amp; ASSET MGT</u></b>						
	158806	WILSON ENGINEERS LLC	882,000.00		224,121.81	657,878.19
	4400705877	PROCESS SOLUTIONS ASSURANCE	93,150.75		60,952.98	32,197.77
	4401001345	GUIDESOFT INC	68,887.10		9,024.06	59,863.04
	4400849779	TMG UTILITY ADVISORY SERVICES INC	512,908.08		57,774.04	455,134.04
			1,780,812.09	(170,831.16)	404,907.89	1,205,073.04
<b><u>WS90100099 - 91ST AVE WWTP Groudwater Wells Impr</u></b>						
	142404	CLEAR CREEK ASSOCIATES, LLC	312,893.00		297,024.25	15,868.75
			5,577,092.26	(21,738.62)	5,539,484.89	15,868.75
<b><u>WS90100100 - 91ST AVE SUPPORT FACILITIES REHAB</u></b>						
	147478	WATER WORKS ENGINEERS LLC	350,000.00	(100,000.00)	249,869.34	130.66
	155549	PCL CONSTRUCTION INC	2,578,950.00		572,149.00	2,006,801.00
	155878	WATER WORKS ENGINEERS LLC	300,000.00		934.42	299,065.58
	155879	EIC ENGINEERS LLC	150,000.00		0.00	150,000.00
	4400945145	KING JR, TIMOTHY B	1,440.00		0.00	1,440.00
	4400952614	PROGRESSIVE SERVICES INC	235,260.00		0.00	235,260.00
	4400986515	KING JR, TIMOTHY B	1,600.00		0.00	1,600.00
	4400986516	KING JR, TIMOTHY B	1,600.00		0.00	1,600.00
	4400995024	PRECISION INTEGRATED SYSTEMS INC	10,443.12		0.00	10,443.12
	4400995025	INSTRUMENTATION AND CONTROLS LLC	22,888.00		0.00	22,888.00
			13,184,040.60	(177,389.17)	10,277,423.07	2,729,228.36

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 JUNE 30, 2024

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PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	CHANGE ORDER AMOUNT	LIQUID ENCUMBR	OUTSTANDING CONTRACT AMOUNT
<b><u>WS90100101 - 91ST AVE PROCESS PIPING REHAB</u></b>						
	147881	BROWN & CALDWELL	2,400,000.00	(400,000.00)	1,130,538.10	869,461.90
	147891	PCL CONSTRUCTION INC	6,094,720.00		5,980,621.28	114,098.72
	155549	PCL CONSTRUCTION INC	5,771,748.00		3,118,073.00	2,653,675.00
			15,090,263.41	(400,000.00)	11,053,027.79	3,637,235.62
<b><u>WS90100103 - 91AV TOXICITY ID EVALUTN</u></b>						
	144947	HAZEN AND SAWYER P.C.	100,000.00		9,492.00	90,508.00
			100,000.00	0.00	9,492.00	90,508.00
<b><u>WS90100104 - Multi-Phase Process Improvement</u></b>						
	147891	PCL CONSTRUCTION INC	475,000.00		435,000.00	40,000.00
			3,127,388.00	(267.52)	3,087,120.48	40,000.00
<b><u>WS90100105 - 91st Ave WWTP Process Control</u></b>						
	147478	WATER WORKS ENGINEERS LLC	400,000.00	(125,000.00)	274,689.20	310.80
	147479	EIC ENGINEERS LLC	400,000.00	(125,000.00)	258,928.13	16,071.87
	155878	WATER WORKS ENGINEERS LLC	400,000.00		0.00	400,000.00
	155549	PCL CONSTRUCTION INC	2,130,563.00		1,654,962.00	475,601.00
	155879	EIC ENGINEERS LLC	150,000.00		7,778.24	142,221.76
			9,278,150.00	(450,906.00)	7,793,038.57	1,034,205.43
<b><u>WS90100106 - 91st Ave WWTP Fire Safety</u></b>						
	147890	FELIX CONSTRUCTION CO	1,800,000.00		1,710,000.00	90,000.00
	155547	FELIX CONSTRUCTION CO	3,812,295.00		1,684,979.57	2,127,315.43
			9,175,974.98	(850.58)	5,272,829.40	2,217,315.43
<b><u>WS90100107 - 91WTP FCLTY ASSMT S-43505</u></b>						
	157194	ARCADIS US INC	227,961.00		204,317.33	23,643.67
			1,911,199.00	(34,672.30)	1,852,883.03	23,643.67
<b><u>WS90100109 - 91st Ave WWTP Facility Rehab</u></b>						
	4400995022	FERFUSON US HOLDINGS INC	15,209.71		0.00	15,209.71
	147891	PCL CONSTRUCTION INC	7,717,737.00	(5,676.00)	7,260,501.00	451,560.00
	149651	LUDVIK ELECTRIC COMPANY	1,895,398.58		1,386,136.87	509,261.71
	155549	PCL CONSTRUCTION INC	7,259,947.00		3,459,704.00	3,800,243.00
			21,334,691.42	(42,023.38)	16,516,393.62	4,776,274.42
<b><u>WS90100111 - 91st Ave WWTP Solids Rehab Phase 1</u></b>						
	152491	ARCADIS US INC	13,409,022.91	(5,129,022.91)	6,090,447.38	2,189,552.62
	153445	PCL CONSTRUCTION INC	41,262,063.99	(2,000,000.00)	8,270,008.80	30,992,055.19
			56,519,589.90	(7,828,916.03)	15,509,066.06	33,181,607.81
<b><u>WS90100112 - 91st Ave WWTP Plant 2 Rehab</u></b>						
	153379	HAZEN AND SAWYER P.C.	7,321,321.89		5,317,571.05	2,003,750.84
	157028	MCCARTHY BUILDING COMPANIES INC	42,358,495.00		28,018,177.39	14,340,317.61
			50,341,794.63	0.00	33,997,726.18	16,344,068.45
<b><u>WS90100115 - 91st Ave WWTP Master Plan</u></b>						

MULTI-CITY PROJECT ANALYSIS  
 DETAIL OF OUTSTANDING CONTRACTS AS OF  
 JUNE 30, 2024

TABLE II

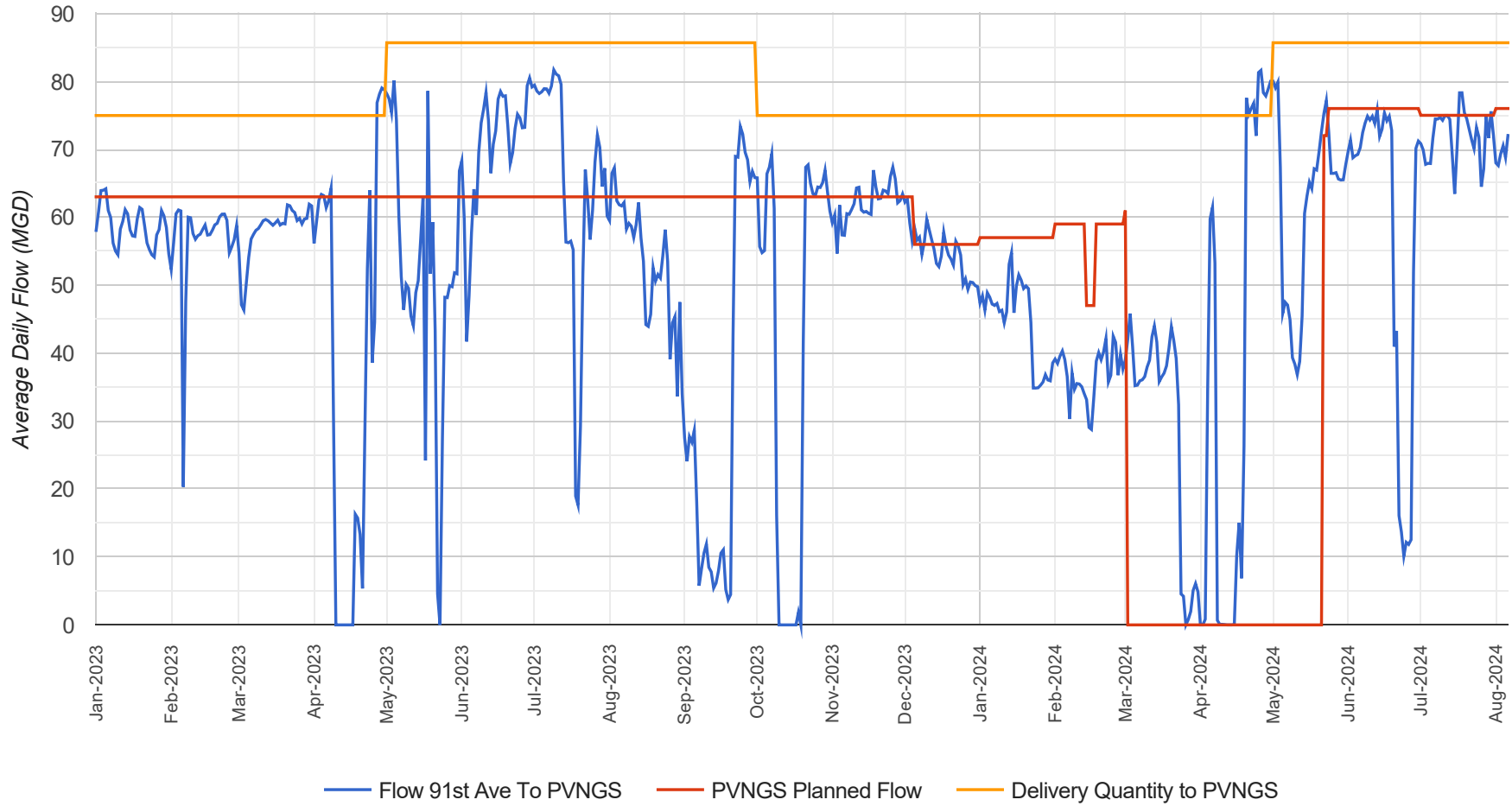
PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	CHANGE ORDER AMOUNT	LIQUID ENCUMBR	OUTSTANDNG CONTRACT AMOUNT
	157696	ARCADIS US INC	1,031,828.08		372,058.50	659,769.58
			<u>1,031,828.08</u>	0.00	<u>372,058.50</u>	<u>659,769.58</u>
<u>WS90120037 - 91st Ave WWTP Local Limits Study</u>						
	157217	HAZEN AND SAWYER P.C.	198,557.56		0.00	198,557.56
			<u>198,557.56</u>	0.00	<u>0.00</u>	<u>198,557.56</u>
<u>WS90140016 - Tres Rios Rehab and Replacement</u>						
	147891	PCL CONSTRUCTION INC	193,920.00		193,004.00	916.00
	153194	WATER WORKS ENGINEERS LLC	84,807.42		84,057.83	749.59
	147890	FELIX CONSTRUCTION CO	1,403,189.00		1,333,029.55	70,159.45
	155549	FELIX CONSTRUCTION CO	108,980.00		87,483.00	21,497.00
	155547	FELIX CONSTRUCTION CO	539,830.00		512,838.50	26,991.50
			<u>2,743,523.58</u>	(7,229.84)	<u>2,089,031.13</u>	<u>120,313.54</u>
<u>WS90160098 Glendale GL02 Metering Station</u>						
	152493	WILSON ENGINEERS LLC	400,000.00		387,422.65	12,577.35
	159940	WILSON ENGINEERS LLC	400,000.00		0.00	400,000.00
	147890	FELIX CONSTRUCTION CO	1,864,658.00		1,665,718.13	198,939.87
			<u>3,442,691.50</u>	(52,665.83)	<u>2,778,508.45</u>	<u>611,517.22</u>
<u>WS90160106 Salt River Outfall (SRO) Condition Assessment</u>						
	4400996807	SECURITY TITLE AGENCY INC	557.00		557.00	0.00
	160336	CONSOR NORTH AMERICA INC	1,449,520.38	0.00	0.00	1,449,520.38
			<u>1,450,077.38</u>	0.00	<u>557.00</u>	<u>1,449,520.38</u>
<u>WS90160107 Southern Ave Interceptor (SAI)</u>						
	159748	WACO LLC	97,900.00		0.00	97,900.00
	157885	PROJECT ENGINEERING CONSULTANTS LTD	1,700,000.00	0.00	761,820.50	938,179.50
			<u>1,797,900.00</u>	0.00	<u>761,820.50</u>	<u>1,036,079.50</u>
<b>GRAND TOTAL</b>						<b><u><u>\$73,428,671.54</u></u></b>

**Multi-City Subregional Operating Group (SROG)**  
**Customer Aging Report as of July 31, 2024**

<i>Customer Number</i>	<i>Fund</i>	<i>City</i>	<i>Description</i>	<i>Invoice Number</i>	<i>Date Mailed</i>	<i>Current Invoice</i>	<i>Current Balance</i>	<i>-----Past Due-----</i>		
								<i>1-30 Days</i>	<i>31-60 Day</i>	<i>61-90 Days</i>
1000007	415	Glendale	Capital Projects	401009893	7/1/2024	377,291.00	0.00	0.00	0.00	0.00
1000001	20	Glendale	Operations & Maintenance	401012902	7/30/2024	310,221.00	310,221.00	0.00	0.00	0.00
1000008	416	Mesa	Capital Projects	401009894	7/1/2024	817,777.50	0.00	0.00	0.00	0.00
1000003	20	Mesa	Operations & Maintenance	401012903	7/30/2024	739,817.00	0.00	0.00	0.00	0.00
1000009	417	Scottsdale	Capital Projects	401009895	7/1/2024	593,764.33	0.00	0.00	0.00	0.00
1000002	20	Scottsdale	Operations & Maintenance	401012904	7/30/2024	252,492.00	252,492.00	0.00	0.00	0.00
1000000	20	Tempe	Operations & Maintenance	401012905	7/30/2024	490,649.00	490,649.00	0.00	0.00	0.00

Source: SAP preview of payments  
 Prepared by City of Phoenix Utilities Accounting

## PVNGS Planned Daily Flow Obligations vs. Actual Flow





## Daily Planned Reclaimed Water Commitments by User - Jul 2024

Date	Planned Demand		Daily Planned Commitments by SROG City (MGD) (Approximating Latest JEPA Negotiations)					Actual SROG to PVNGS (MGD)
	PVNGS Demand (MGD)	Total Demand (MGD)	Glendale	Mesa	Phoenix	Scottsdale	Tempe	
07-01-2024	75	127.5	8.3	15.1	78.3	9.8	16	70.8
07-02-2024	75	127.5	8.3	15.1	78.3	9.8	16	69.9
07-03-2024	75	127.5	8.3	15.1	78.3	9.8	16	67.8
07-04-2024	75	127.5	8.3	15.1	78.3	9.8	16	67.9
07-05-2024	75	127.5	8.3	15.1	78.3	9.8	16	67.9
07-06-2024	75	127.5	8.3	15.1	78.3	9.8	16	71.6
07-07-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.5
07-08-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.5
07-09-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.7
07-10-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.3
07-11-2024	75	127.5	8.3	15.1	78.3	9.8	16	75
07-12-2024	75	127.5	8.3	15.1	78.3	9.8	16	75
07-13-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.4
07-14-2024	75	127.5	8.3	15.1	78.3	9.8	16	69.2
07-15-2024	75	127.5	8.3	15.1	78.3	9.8	16	63.4
07-16-2024	75	127.5	8.3	15.1	78.3	9.8	16	70.3

## Daily Planned Reclaimed Water Commitments by User - Jul 2024

Date	Planned Demand		Daily Planned Commitments by SROG City (MGD) (Approximating Latest JEPA Negotiations)					Actual SROG to PVNGS (MGD)
	PVNGS Demand (MGD)	Total Demand (MGD)	Glendale	Mesa	Phoenix	Scottsdale	Tempe	
07-17-2024	75	127.5	8.3	15.1	78.3	9.8	16	78.3
07-18-2024	75	127.5	8.3	15.1	78.3	9.8	16	78.3
07-19-2024	75	127.5	8.3	15.1	78.3	9.8	16	75.4
07-20-2024	75	127.5	8.3	15.1	78.3	9.8	16	74.5
07-21-2024	75	127.5	8.3	15.1	78.3	9.8	16	72.9
07-22-2024	75	127.5	8.3	15.1	78.3	9.8	16	71.4
07-23-2024	75	127.5	8.3	15.1	78.3	9.8	16	70.1
07-24-2024	75	127.5	8.3	15.1	78.3	9.8	16	73.2
07-25-2024	75	127.5	8.3	15.1	78.3	9.8	16	71.8
07-26-2024	75	127.5	8.3	15.1	78.3	9.8	16	64.5
07-27-2024	75	127.5	8.3	15.1	78.3	9.8	16	67.1
07-28-2024	75	127.5	8.3	15.1	78.3	9.8	16	75
07-29-2024	75	127.5	8.3	15.1	78.3	9.8	16	71.6
07-30-2024	75	127.5	8.3	15.1	78.3	9.8	16	75.6
07-31-2024	75	127.5	8.3	15.1	78.3	9.8	16	72.1
08-01-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	68

## Daily Planned Reclaimed Water Commitments by User - Jul 2024

Date	Planned Demand		Daily Planned Commitments by SROG City (MGD) (Approximating Latest JEPA Negotiations)					Actual SROG to PVNGS (MGD)
	PVNGS Demand (MGD)	Total Demand (MGD)	Glendale	Mesa	Phoenix	Scottsdale	Tempe	
08-02-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	67.6
08-03-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	69.3
08-04-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	70.5
08-05-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	68.8
08-06-2024	76	128.5	8.4	15.2	78.9	9.9	16.1	72

# SUB-REGIONAL OPERATING GROUP (SROG)



**91ST AVENUE WWTP  
SROG SUPPORT SERVICES FOR FISCAL YEAR 2024-2025  
YEAR END FLOW AND LOADING REPORT  
FISCAL YEAR 2023-2024**

**AUGUST 2024**

**DRAFT**

**WILSON**  
ENGINEERS



**91st Avenue Wastewater Treatment Plant  
SROG Support Services for Fiscal Year 2024-2025**

**YEAR END FLOW AND LOADING REPORT –  
FISCAL YEAR 2023-2024**

**Submitted To:**

**City of Phoenix  
Sub-Regional Operating Group**

**Submitted By:**

**Wilson Engineers  
Tempe, AZ**

**August 2<sup>nd</sup>, 2024**

**DRAFT**

**City of Phoenix Project No. WS90100062**



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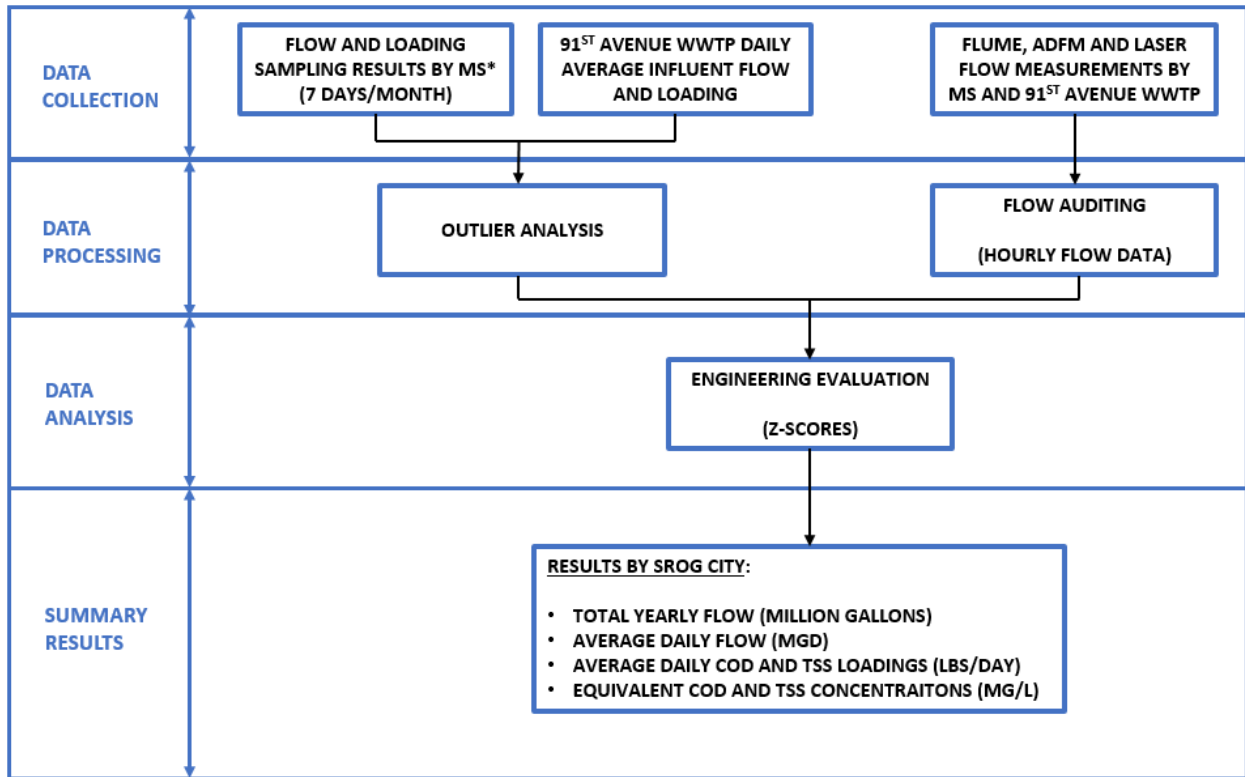
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## 1.0 INTRODUCTION

The Year End Flow and Loading Report (Robust Analysis) for Fiscal Year 2023-2024 is intended to accomplish the following objectives:

1. Confirm the total wastewater flow, chemical oxygen demand (COD), and total suspended solids (TSS) loadings treated at the 91<sup>st</sup> Avenue Wastewater Treatment Plant (WWTP).
2. Confirm the representative annual average daily flow for each Subregional Operating Group (SROG) Member City.
3. Confirm the representative annual average daily COD and TSS loadings for SROG Member City.

This report provides a summary of the results for Fiscal Year 2023-2024 based on procedures previously used and approved by SROG as outlined on **Figure 1**. A general description of the procedures followed for the Year End analysis is included in the following subparagraphs.



**Figure 1: Robust Analysis Procedure**

## 1.1 DATA COLLECTION

Throughout the fiscal year, flow and loading data is collected throughout the collection system. Data is captured within the SROG Management Information System (SMIS) website for use in developing reports and providing real-time access to each SROG Member City's flow and loading data. Data collection is accomplished as follows:

- Flow data is collected at each of 12 active billing metering stations using a Parshall flume, Acoustic Doppler Flow Meter (ADFM), Laser flow meter, or a combination of each flow meter type.
- Each month the flow values collected are analyzed by the SROG Support Services Consultant for accuracy. If anomalies are identified attempts are made to correct for the anomaly, and the results is documented as a special case to be incorporated in the Year-End Reporting activities. SROG also has a number of inline flow meters that are used as a source for flow verification, but not for billing.
- Annually, each billing metering station is audited for both flow meter calibration and sampling procedures.
- Loadings data for COD and TSS are collected monthly for the major billing metering stations and annually for smaller metering stations. Samples are collected for seven consecutive days for a total of eighty-four samples annually. Data collected during analysis of the samples is entered into the SMIS website and is reported on a monthly basis. Influent loadings data at the 91st Avenue WWTP is collected on a daily basis.
- Daily process data including flows and loads are collected in the SMIS website for the 91st Avenue WWTP. Other process data deemed pertinent to the robust analysis tasks and special case evaluation is collected as needed.
- Daily process data and residuals flows from each local Water Reclamation Plant (WRP) is collected on an as needed basis for comparison with results and to resolve any special cases identified throughout the fiscal year.

## 1.2 DATA PROCESSING

After all annual data has been collected for the fiscal year, and any special case scenarios have been identified and resolved, the collected data is reconciled and an outlier analysis is performed. The statistical analysis techniques used to identify outliers include calculating a "z-value" and determining cut-off values for the data set.

## 1.3 DATA ANALYSIS

The data analysis is intended to remove outlier values from the annual data set. Cut-off values established by calculation of a "z-value" were established using the procedure outlined in Section 2.0, and formerly adopted by SROG as the accepted year-end analysis methodology.



## 1.4 SUMMARY RESULTS

Flow, COD, and TSS loadings by SROG Member City are calculated and summarized upon completion of the outlier analysis. The summary results for Fiscal Year 2023-2024 are provided in Section 4. **Appendix A - Fiscal Year 2023-2024 Robust Analysis** presents the data used in the analysis, detailed procedure and the results.

## 2.0 ROBUST ANALYSIS PROCEDURES

The Year-End Flow and Loading Analysis is performed using loadings data collected as described previously. The procedure followed to eliminate outliers for COD and TSS each year is as follows:

1. Reconcile the daily flow for each sample point.
  - a. Average of the hourly audited flow for the composite sample collection period. **Appendix B** presents the monthly audited reports.
2. Calculate the total daily loading for each sample.
  - a. Daily loading (lbs./day) =  $x_i$  = sample concentration (mg/L) x daily flow (MGD) x 8.34.
3. Determine the median of the daily loading data set.
  - a. Median Loading = median ( $x_i$ ) for  $I = 1$  ton, where  $n = \#$  of samples.
4. Calculate the absolute value of the deviation from the median for each daily loading.
  - a. Absolute deviation from median of  $x_i = [(x_i) - (\text{median}(x_i) \text{ for } I = 1 \text{ ton})]$ .
5. Determine the median of absolute deviation (MAD).
  - a. MAD = median (absolute deviation from median of  $x_i$  for  $I = 1$  ton).
6. Calculate the absolute value z score for each  $x_i$ .
  - a.  $[z_i] = [(x_i) - \text{median}(x_i) \text{ for } I = 1 \text{ to } n]/\text{MAD}$ .
7. Order the z scores by magnitude, then plot z versus number of samples. Fit a straight line through the second largest 10 percent (80 percent to 90 percent) of samples (e.g., for 80 samples fit the line through samples numbered between  $0.8(80) = 64$  and  $0.9(80) = 72$ ). The intersection of the line and the total number of samples defines the initial cut-off value. The sample days corresponding to the z scores greater than the cut-off value are examined to determine if they exhibit characteristics that would question their elimination from the data set, e.g. if they occur once during any 7-day sampling period, during one day of the week, or if high or low concentrations or flows are sustained for several sample days. However, the sampling days with z scores greater than the cutoff values might not be eliminated if they are confirmed to be true values such as the high loadings caused by the local facility bypass, storm event flushing, local industrial users discharge, etc. The graphs generated for this Fiscal Year analysis are included in Appendix A.

8. Compare each  $z_i$  to the cut-off value.
  - a. If  $z_i < \text{cut-off value}$ , then retain the data point in sample loading set.
  - b. If  $z_i > \text{cut-off value}$ , examine to determine if the data point should be eliminated from the sample loading set.
9. Calculate the average of the new sample loading set.
  1. Determine the monthly median values for the new sample loading set.
    - a. Seasonally adjust the new data set.
    - b. If no loading value exists for a day, or if the loading value was removed as an outlier, the missing value is replaced by the monthly median value.
10. Calculate the average of the seasonally adjusted data set.

### 3.0 SPECIAL CASES

Special cases are events that impact the Year End Flow and Loading Analysis, requiring additional investigation to help identify, explain, and confirm anomalies in flow and loadings values throughout the fiscal year. Special cases are identified by review of monthly flow and loadings data at each metering station, through audits of the flow meters installed at each metering station, through audits of sample collection procedures, and by observing changes in operations or how flows are transported through the collection system, or at the 91st Avenue WWTP. A presentation was prepared to discuss the results of the special cases. The presentation is shown in **Appendix C**. The following special cases have been identified for Fiscal Year 2023-2024:

1. City of Glendale and Peoria Flow Metering and Diversions
2. City of Mesa and Tempe Flow Metering and Diversions
3. City of Scottsdale Flow Metering

#### 3.1 CITY OF GLENDALE AND PEORIA FLOW METERING AND DIVERSIONS

The City of Glendale wastewater flows to the 91st Avenue WWTP is estimated using the following equation:

$$\text{Glendale Discharges to 91st Avenue WWTP} = GL03 - GL02$$

The following events affected the City of Glendale flow metering:

**GL02 Metering Station.** This metering station has two Laser flow meters for flow measurement. The following events affected the flow metering and auditing at this station:

- Laser 2 was used as the billing meter for the period of July 1<sup>st</sup>, 2023 to November 10<sup>th</sup>, 2023.
- From November 11<sup>th</sup>, 2023 to June 30<sup>th</sup>, 2024 the GL02 metering station was without power due to local construction in the area. A temporary laser meter was installed in the

metering station to collect billing data during this time. However, there were periods when the temporary laser meter was not operational due to battery issues or a dirty lens. During periods of lost data, historical FY 2023-2024 data was used for billing purposes.

The City of Peoria discharged flow to the 99<sup>th</sup> Avenue Interceptor on April 21<sup>st</sup>, 2024 for 9.5 hours.

**GL03 Metering Station.** This metering station has two Laser flow meters for flow measurement. The following events affected the flow metering and auditing at this station:

- Laser 2 was used as the billing meter from July 1<sup>st</sup>, 2023 to June 30<sup>th</sup>, 2024.
- When Laser 2 was not operational, Laser 1 data was used for billing purposes. When both meters were not operational, historical FY 2023-2024 data was used for billing purposes.

The City of Glendale provided the following additional data to verify the measured data by the lasers at GL02 and the lasers at GL03:

- Monthly average influent flows to the West Area WRF and Arrowhead WRF for FY2023-2024.
- Water Distribution data for FY2023-2024.

The additional data allowed the development of monthly average total wastewater flows treated at the West Area WRF, Arrowhead WRF and 91<sup>st</sup> Avenue WWTP for the City of Glendale compared to the City's monthly average water distribution. The results of this analysis show the following:

- The City's total treated wastewater flows is in the range between 15.53 and 17.30 MGD, with an annual average of 16.56 MGD. The total values are consistent with historical data.
- The water distribution annual average for the City of Glendale is 36.79 MGD.
- The ratio, based on annual average wastewater and water data is 0.45. This ratio is consistent with previous year's ratios.

### **3.2 CITY OF MESA AND TEMPE FLOW METERING AND DIVERSIONS**

The City of Mesa and Tempe wastewater flow and loads to the 91st Avenue WWTP are estimated using the following equations:

$$\text{Mesa Discharges to 91st Avenue WWTP} = ME01 + ME02 + ME03$$

$$\begin{aligned} &\text{Tempe Discharges to 91st Avenue WWTP} \\ &= TP01 + TP02 + TP03 + TP04 + TP05 - ME01 - ME02 - PH01 \end{aligned}$$

The City of Mesa flows measured at the ME01 metering station normally goes to the City of Tempe TP01 metering station, and Mesa's flow through ME02 metering station normally flows to the City of Tempe TP03 metering station. The normal flow conveyance was disrupted to perform repairs and maintenance activities on the SROG systems and their local collection

systems. It is also important to indicate that there is an ongoing issue at the College and Baseline Diversion (Baseline Diversion) due to a broken gate which is not fully closing. While this does not influence the overall flow balance for the cities of Mesa and Tempe, it could affect the historical trending for the TP01 and TP03 metering stations, until these repairs have been completed.

The following are the descriptions of additional diversions due to construction or operational and maintenance activities:

- On July 30<sup>th</sup>, 2023 Mesa internally diverted flow from the ME02 metering basin to the ME01 metering basin. The diversion was completed on September 27<sup>th</sup>, 2023.
- On August 7<sup>th</sup>, 2023 Tempe internally diverted from the TP01 metering basin to the TP03 metering basin. The diversion was completed on September 16<sup>th</sup>, 2023.
- On September 16<sup>th</sup>, 2023 Tempe internally diverted flow from the TP03 metering basin to the TP01 metering basin. The diversion was continuing as of June 30<sup>th</sup>, 2024.
- On September 27<sup>th</sup>, 2023 Mesa internally diverted flow from the ME01 metering basin to the ME02 metering basin. This diversion was completed on May 16<sup>th</sup>, 2024.
- On January 25<sup>th</sup>, 2024 Tempe internally diverted flow from the TP01 metering basin to the TP03 metering basin. This diversion was completed on February 1<sup>st</sup>, 2024.
- On March 19<sup>th</sup>, 2024 Tempe internally diverted flow from the TP01 metering basin to the TP03 metering station. This diversion was completed on April 5<sup>th</sup>, 2024.

The events indicated above changed the normal flow ranges measured at the TP01 and TP03 metering stations as well as at the ME01 and ME02 metering stations.

All Mesa and Tempe metering stations experienced telephone communication issues for the majority of the 2023-2024 fiscal year. For various time periods, data was not transmitted to the SROG website. Data loggers were installed at all of the Mesa and Tempe metering stations in August 2022 to collect data locally from the site. If no data was obtained via data logger, the flows were audited using historical FY 2023-2024 data for the time period of communication issues.

The following are key events that affected the Mesa and Tempe stations:

**ME01 Flow Metering.** This metering station has a flume and an ADFM for flow measurement. The flume is the billing meter for this station. On October 29<sup>th</sup>, 2021 the underground telephone cable was temporarily replaced. A data logger was installed at this metering station on August 30<sup>th</sup>, 2022.

**ME02 Flow Metering.** This metering station has a flume and an ADFM for flow measurement. The flume is the billing meter for this station. On January 12<sup>th</sup>, 2022 the underground telephone communication cable was temporarily replaced. A data logger was installed at this metering station on August 16<sup>th</sup>, 2022.

**TP01 Flow Metering.** This metering station has a flume for flow measurement. The flume is the billing meter for this station. The redundant meter (ADFM) was removed from this metering

station in January 2023. This metering station was operating with one flow meter for the entire 2023-2024 fiscal year. A data logger was installed at this metering station on August 16<sup>th</sup>, 2022.

**TP03 Flow Metering.** This metering station has a flume and an ADFM for flow measurement. The flume is the billing meter for this station. A data logger was installed at this metering station on August 16<sup>th</sup>, 2022.

### 3.3 CITY OF SCOTTSDALE FLOW METERING

The City of Scottsdale wastewater flows to the 91st Avenue WWTP is estimated using the following equation:

$$\text{Scottsdale Discharges to 91st Avenue WWTP} = SD01 - PV01 - PV02$$

#### **SD01 Princess Road Flow Metering.**

This metering station has two Laser flow meters for flow measurement. For the period of July 1<sup>st</sup>, 2023 to June 30<sup>th</sup>, 2024 the Phoenix laser was used for billing purposes. When the Phoenix laser was not operational, the Scottsdale laser data was used for billing purpose. When both lasers were not operational, historical FY 2023-2024 data was used for billing purposes.

See Appendix C for additional information regarding the special cases for Fiscal Year 2023-2024.

### 3.4 CITY OF PHOENIX FLOW METERING

**PV02 Metering Station.** This station has a Laser flow meter and a flume for flow measurement. For the period of July 1<sup>st</sup>, 2023 to June 30<sup>th</sup>, 2024 the Laser was used at the billing meter. Flume data was used for the periods when data was not available at the laser flow meter.

**PH01 Metering Station.** No flow metering or sampling is performed at this station. The following values were adopted for this station based on historical data: Flow = 0.0115 MGD; COD = 295 lbs/day; TSS = 137 lbs/day.

**PV01 Metering Station.** No flow metering or sampling is performed at this station. The following values were adopted for this station based on historical data: Flow = 0.09 MGD; COD = 73 lbs/day; TSS = 33 lbs/day.

### 3.5 SAMPLES COLLECTION

A total of 630 samples were taken at the 12 SROG metering stations for fiscal year 2023-2024. **Table 1** presents the number of samples collected by metering station and by month. The numbers in red indicate values below 7 samples by month and by station.

- **GL03 Metering Station.** The GL03 metering station utilizes a sampling vault located in the right-of-way for the placement of the sampler and the installation of the sample tubing. This set up requires reference to an Standard Operating Procedure (SOP) by the City of Phoenix Inspectors. For the months of August 2023 and November 2023, the sample

tubing was unable to be installed at the sampling vault and no sample was collected. These time periods were audited using FY 2022-2023 data for the corresponding months.

- **ME03 Metering Station.** For the months of July and November 2023, no samples were collected at the ME03 metering station. Data for these time periods were audited using FY 2022-2023 data for the corresponding months.
- **SD01 Metering Station.** For the month of July 2023, no samples were collected at the SD01 metering station. This is due to a power supply issue inside the metering station. Data for this month was audited using FY 2022-2023 data for the corresponding months.
- **TP04 Metering Station.** TP04 Metering Station has a sampling frequency of 7-days per quarter. The sampling months for fiscal year 2023-2024 for this station were: August 2023, November 2023, February 2024 and May 2024.
- **TP05 Metering Station.** The TP05 metering station has a sampling frequency of 7-days per year. The sampling month for fiscal year 2023-2024 for these stations was February 2024. Since the reduced sampling frequency yields a limited number of samples, the outlier analysis was not conducted for this metering station. Instead, the average of the available data was used.

**Table 1: Sampling Data by Metering Station for Fiscal Year 2023-2024**

Month	GL02 <sup>1</sup>	GL03	ME01 <sup>1</sup>	ME02 <sup>1</sup>	ME03 <sup>1</sup>	PV02	SD01	TP01	TP02	TP03	TP04	TP05	Monthly Samples Total
Jul-23	7	6	5	5	0	3	0	5	6	7	0	0	44
Aug-23	3	0	5	5	5	2	5	7	2	7	6	0	47
Sep-23	2	6	6	7	6	7	5	7	4	7	0	0	57
Oct-23	6	1	4	3	5	6	6	6	5	5	0	0	47
Nov-23	3	0	3	7	0	7	7	7	6	7	6	0	53
Dec-23	2	2	2	5	4	2	2	5	6	6	0	0	36
Jan-24	6	7	5	6	4	7	7	6	4	7	0	0	59
Feb-24	5	7	5	7	4	6	6	6	6	7	5	4	68
Mar-24	3	7	6	5	6	5	6	7	4	7	0	0	56
Apr-24	5	4	4	6	4	5	7	7	4	7	0	0	53
May-24	4	1	3	6	6	5	7	6	6	7	7	0	58
Jun-24	7	7	5	6	5	3	2	5	6	6	0	0	52
<b>Annual Station Total</b>	<b>53</b>	<b>48</b>	<b>53</b>	<b>68</b>	<b>49</b>	<b>58</b>	<b>60</b>	<b>74</b>	<b>59</b>	<b>80</b>	<b>24</b>	<b>4</b>	<b>630</b>

Note 1 – Alternative Metering Station Used for Sampling Events July 2023 to June 2024.

## 4.0 SUMMARY AND RESULTS

The data and calculations presented in this report are summarized by SROG Member City. Tables 2 through 7 provide the following information:

1. Table 2: Summary of annual flow from each SROG Member City to the 91st Avenue WWTP including monthly average flows.
2. Tables 3 and Table 4: Annual average COD and TSS loadings resulting from the statistical analysis described in Section 2, and equivalent COD and TSS concentrations by SROG Member City.
3. Table 5 and Table 6: Percentage of total COD and TSS loading by SROG Member City.
4. Table 7: Comparison between adopted FY23/24 projections and actual results by SROG City.

**Table 2: FY 2023/2024 Total Flow to the 91<sup>st</sup> Avenue WWTP (Based on Audited Flow Values)**

Period	Glendale Flow (million gallons)	Mesa Flow (million gallons)	Phoenix Flow (million gallons)	Scottsdale Flow (million gallons)	Tempe Flow (million gallons)	91st Avenue WWTP (million gallons)
07/01/2023-07/31/2023	228.375	553.674	2,791.772	181.6027	569.592	4,325.015
08/01/2023-08/31/2023	250.260	558.236	3,268.896	186.7313	614.050	4,878.173
09/01/2023-09/30/2023	229.867	555.122	3,107.650	183.0369	594.243	4,669.918
10/01/2023-10/31/2023	252.032	582.143	3,017.389	200.2172	592.835	4,644.616
11/01/2023-11/30/2023	230.507	581.321	3,572.641	194.4275	585.751	5,164.647
12/01/2023-12/31/2023	256.188	553.685	3,044.514	232.6286	607.095	4,694.111
01/01/2024-01/31/2024	245.511	593.417	2,811.166	264.4682	580.260	4,494.823
02/01/2024-02/29/2024	224.361	577.404	3,046.300	237.5348	546.301	4,631.902
03/01/2024-03/31/2024	245.170	625.056	3,079.443	232.5830	577.051	4,759.303
04/01/2024-04/30/2024	217.876	606.951	2,804.226	208.3367	574.270	4,411.660
05/01/2024-05/31/2024	231.831	602.865	3,117.438	176.4674	566.697	4,695.298
06/01/2024-06/30/2024	226.655	569.458	3,039.329	186.3869	538.926	4,560.756
FY23-24	2,838.633	6,959.332	36,700.764	2,484.422	6,947.071	55,930.222
Additional <sup>(1)</sup>			5.475	(5.475)		
<b>Total to 91st Avenue WWTP</b>	<b>2,838.633</b>	<b>6,959.332</b>	<b>36,706.239</b>	<b>2,478.947</b>	<b>6,947.071</b>	<b>55,930.222</b>

**Table 3: Equivalent COD Concentrations**

City	Total Yearly Flow (million gallons)	Average Daily Flow (MGD)	Average Daily COD Loading (lbs/day)	Equivalent COD Concentration (mg/L)
Glendale	2,838.63	7.78	74,071	1,141.57
Mesa	6,959.33	19.07	138,917	873.45
Phoenix	36,706.24	100.57	582,853	694.90
Scottsdale	2,478.95	6.79	64,808	1,144.43
Tempe	6,947.07	19.03	121,224	763.80
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>55,930.22</b>	<b>153.23</b>	<b>981,873</b>	<b>768.33</b>



**Table 4: Equivalent TSS Concentrations**

City	Total Yearly Flow (million gallons)	Average Daily Flow (MGD)	Average Daily TSS Loading (lbs/day)	Equivalent TSS Concentration (mg/L)
Glendale	2,838.63	7.78	33,912	522.64
Mesa	6,959.33	19.07	68,826	432.75
Phoenix	36,706.24	100.57	265,666	316.75
Scottsdale	2,478.95	6.79	43,967	776.41
Tempe	6,947.07	19.03	36,237	228.32
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>55,930.22</b>	<b>153.23</b>	<b>448,608</b>	<b>351.04</b>

**Table 5: COD Loading by SROG Member City**

City	COD (lbs/day)	COD % TOTAL
Glendale	74,071	7.54
Mesa	138,917	14.15
Phoenix	582,853	59.36
Scottsdale	64,808	6.60
Tempe	121,224	12.35
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>981,873</b>	<b>100.00</b>

**Table 6: TSS Loading by SROG Member City**

City	TSS (lbs/day)	TSS % TOTAL
Glendale	33,912	7.56
Mesa	68,826	15.34
Phoenix	265,666	59.22
Scottsdale	43,967	9.80
Tempe	36,237	8.08
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>448,608</b>	<b>100.00</b>

**Table 7: Projected vs. Actual Values for FY23/24**

City	Average Daily Flow (MGD)		Average Daily COD Loading (lbs/day)		Average Daily TSS Loading (lbs/day)	
	Projected	Actual	Projected	Actual	Projected	Actual
Glendale	7.90	7.78	66,500	74,071	35,250	33,912
Mesa	21.00	19.07	157,626	138,917	87,570	68,826
Phoenix	92.00	100.57	633,000	582,853	307,000	265,666
Scottsdale	8.80	6.79	66,053	64,808	44,035	43,967
Tempe	20.22	19.03	111,283	121,224	33,722	36,237
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>149.92</b>	<b>153.23</b>	<b>1,034,462</b>	<b>981,873</b>	<b>507,577</b>	<b>448,608</b>

# APPENDIX A

FISCAL YEAR 2023-2024 ROBUST ANALYSIS

**Table 1**  
**Fiscal Year 2023-2024 Total Flow to 91<sup>st</sup> Avenue WWTP (Based on Audited Flow Values)**

Period	Glendale Flow (million gallons)	Mesa Flow (million gallons)	Phoenix Flow (million gallons)	Scottsdale Flow (million gallons)	Tempe Flow (million gallons)	91st Avenue WWTP (million gallons)
07/01/2023-07/31/2023	228.375	553.674	2,791.772	181.6027	569.592	4,325.015
08/01/2023-08/31/2023	250.260	558.236	3,268.896	186.7313	614.050	4,878.173
09/01/2023-09/30/2023	229.867	555.122	3,107.650	183.0369	594.243	4,669.918
10/01/2023-10/31/2023	252.032	582.143	3,017.389	200.2172	592.835	4,644.616
11/01/2023-11/30/2023	230.507	581.321	3,572.641	194.4275	585.751	5,164.647
12/01/2023-12/31/2023	256.188	553.685	3,044.514	232.6286	607.095	4,694.111
01/01/2024-01/31/2024	245.511	593.417	2,811.166	264.4682	580.260	4,494.823
02/01/2024-02/29/2024	224.361	577.404	3,046.300	237.5348	546.301	4,631.902
03/01/2024-03/31/2024	245.170	625.056	3,079.443	232.5830	577.051	4,759.303
04/01/2024-04/30/2024	217.876	606.951	2,804.226	208.3367	574.270	4,411.660
05/01/2024-05/31/2024	231.831	602.865	3,117.438	176.4674	566.697	4,695.298
06/01/2024-06/30/2024	226.655	569.458	3,039.329	186.3869	538.926	4,560.756
FY23-24	2,838.633	6,959.332	36,700.764	2,484.422	6,947.071	55,930.222
Additional <sup>(1)</sup>			5.475	(5.475)		
<b>Total to 91st Avenue WWTP</b>	<b>2,838.633</b>	<b>6,959.332</b>	<b>36,706.239</b>	<b>2,478.947</b>	<b>6,947.071</b>	<b>55,930.222</b>

<sup>(1)</sup> Per September 21, 1984 Agreement Between the City of Phoenix and the City of Scottsdale. City of Scottsdale Takes 15,000 Gallon/day City of Phoenix Wastewater Flow.

**Table 2  
Equivalent COD Concentrations**

<b>City</b>	<b>Total Yearly Flow (million gallons)</b>	<b>Average Daily Flow (MGD)</b>	<b>Average Daily COD Loading (lbs/day)</b>	<b>Equivalent COD Concentration (mg/L)</b>
Glendale	2,838.63	7.78	74,071	1,141.57
Mesa	6,959.33	19.07	138,917	873.45
Phoenix	36,706.24	100.57	582,853	694.90
Scottsdale	2,478.95	6.79	64,808	1,144.43
Tempe	6,947.07	19.03	121,224	763.80
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>55,930.22</b>	<b>153.23</b>	<b>981,873</b>	<b>768.33</b>

**Table 3  
Equivalent TSS Concentrations**

<b>City</b>	<b>Total Yearly Flow (million gallons)</b>	<b>Average Daily Flow (MGD)</b>	<b>Average Daily TSS Loading (lbs/day)</b>	<b>Equivalent TSS Concentration (mg/L)</b>
Glendale	2,838.63	7.78	33,912	522.65
Mesa	6,959.33	19.07	68,826	432.75
Phoenix	36,706.24	100.57	265,666	316.74
Scottsdale	2,478.95	6.79	43,967	776.41
Tempe	6,947.07	19.03	36,237	228.32
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>55,930.22</b>	<b>153.23</b>	<b>448,608</b>	<b>351.04</b>

**Table 4  
COD Loading by City**

<b>City</b>	<b>COD (lbs/day)</b>	<b>COD % TOTAL</b>
Glendale	74,071	7.54
Mesa	138,917	14.15
Phoenix	582,853	59.36
Scottsdale	64,808	6.60
Tempe	121,224	12.35
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>981,873</b>	<b>100.00</b>

**Table 5  
TSS Loading by City**

<b>City</b>	<b>TSS (lbs/day)</b>	<b>TSS % TOTAL</b>
Glendale	33,912	7.56
Mesa	68,826	15.34
Phoenix	265,666	59.22
Scottsdale	43,967	9.80
Tempe	36,237	8.08
<b>Total to 91<sup>st</sup> Avenue WWTP</b>	<b>448,608</b>	<b>100.00</b>



## CITY OF GLENDALE FLOWS TO 91<sup>ST</sup> AVENUE WWTP

A	B	C	D	E (D-C) < 0
FY/MONTH	PERIOD	GLENDALE Flows (MGD)	GLENDALE OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)
2023-2024		7.78	13.20	
Jul-23	07/01/2023-07/31/2023	7.37	13.20	
Aug-23	08/01/2023-08/31/2023	8.07	13.20	
Sep-23	09/01/2023-09/30/2023	7.66	13.20	
Oct-23	10/01/2023-10/31/2023	8.13	13.20	
Nov-23	11/01/2023-11/30/2023	7.68	13.20	
Dec-23	12/01/2023-12/31/2023	8.26	13.20	
Jan-24	01/01/2024-01/31/2024	7.92	13.20	
Feb-24	02/01/2024-02/29/2024	7.74	13.20	
Mar-24	03/01/2024-03/31/2024	7.91	13.20	
Apr-24	04/01/2024-04/30/2024	7.26	13.20	
May-24	05/01/2024-05/31/2024	7.48	13.20	
Jun-24	06/01/2024-06/30/2024	7.56	13.20	

\* CITY OF GLENDALE FLOW TO THE 91ST AVENUE WWTP = GL03-GL02-LS73

\* SOURCE: AUDITED VALUES PERFORMED PER THE ANNUAL RECONCILIATION PROCESS".

CITY OF GLENDALE  
 Sampling Station: 99th Avenue and Camelback  
 1000.03

CITY OF GLENDALE  
 Sampling Station: 99th Avenue and Camelback  
 1000.03

GL03

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23			11.66	1/23/24	980	480	10.90
7/26/23	680	322	10.05	1/24/24	1,100	540	11.01
7/27/23	890	220	10.58	1/25/24	1,000	552	10.70
7/28/23	1,000	444	10.30	1/26/24	920	436	10.71
7/29/23	650	540	10.25	1/27/24	1,100	432	11.61
7/30/23	1,000	460	10.36	1/28/24	1,400	628	11.48
7/31/23	570	192	10.31	1/29/24	1,000	400	12.11
8/15/23			10.14	2/21/24	1,200	572	10.48
8/16/23	770	396	10.24	2/22/24	1,400	475	10.46
8/17/23	1,200	392	12.76	2/23/24	1,200	628	10.72
8/18/23	850	548	10.83	2/24/24	1,100	478	11.62
8/19/23	850	452	12.13	2/25/24	770	518	12.30
8/20/23	870	344	12.40	2/26/24	790	420	11.45
8/21/23	820	396	10.62	2/27/24	1,000	534	11.17
9/19/23	830	340	9.78	3/12/24	1,100	520	11.00
9/20/23	820	340	9.93	3/13/24	1,000	464	11.16
9/21/23	1,300	364	10.68	3/14/24	1,000	380	11.14
9/22/23	1,000	476	9.87	3/15/24	1,000	408	10.72
9/23/23	760	286	10.12	3/16/24	1,000	432	11.77
9/24/23			11.00	3/17/24	890	512	11.56
9/25/23	860	328	10.27	3/18/24	990	532	10.87
10/17/23			11.22	4/9/24	1,100	596	11.32
10/18/23			10.40	4/10/24			10.45
10/19/23	1,100	364	10.32	4/11/24			10.23
10/20/23			10.07	4/12/24			9.84
10/21/23			10.63	4/13/24	1,200	448	10.19
10/22/23			10.99	4/14/24	1,100	272	11.34
10/23/23			10.52	4/15/24	890	272	10.70
11/14/23	1,200	424	9.98	5/14/24	1,100	612	10.83
11/15/23	970	508	9.80	5/15/24			10.94
11/16/23	1,000	540	9.65	5/16/24			10.61
11/17/23			9.45	5/17/24			10.70
11/18/23	960	524	11.94	5/18/24			11.06
11/19/23	940	448	11.31	5/19/24			11.25
11/20/23			10.61	5/20/24			11.23
12/5/23	1,200	492	10.38	6/4/24	1,100	434	10.67
12/6/23			10.41	6/5/24	760	284	11.64
12/7/23			10.32	6/6/24	620	308	10.87
12/8/23	950	448	10.10	6/7/24	790	428	10.56
12/9/23			10.73	6/8/24	930	440	10.86
12/10/23			11.10	6/9/24	920	356	10.98
12/11/23			10.22	6/10/24	870	244	11.15

\*Highlighted Cells are Adopted Data From FY22/23

CITY OF GLENDALE  
 Sampling Station: Peoria Station  
 1001.02

CITY OF GLENDALE  
 Sampling Station: Peoria Station  
 1000.02

GL02

Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)	Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)
7/25/23	600	236	2.48	1/23/24	710	311	3.42
7/26/23	580	172	2.48	1/24/24	650	260	3.43
7/27/23	560	74	2.48	1/25/24	800	308	3.38
7/28/23	550	212	2.47	1/26/24	840	263	3.42
7/29/23	530	197	2.60	1/27/24	730	268	3.56
7/30/23	610	189	2.59	1/28/24			3.49
7/31/23	740	356	2.57	1/29/24	700	236	3.42
8/15/23			2.61	2/21/24			3.42
8/16/23			2.66	2/22/24	650	321	3.41
8/17/23			2.65	2/23/24	640	280	3.38
8/18/23			2.66	2/24/24			3.43
8/19/23	520	256	2.81	2/25/24	760	462	3.43
8/20/23	500	204	2.79	2/26/24	550	291	3.44
8/21/23	520	180	2.74	2/27/24	660	252	3.40
9/19/23			2.76	3/12/24			3.39
9/20/23			2.66	3/13/24	590	314	3.32
9/21/23	680	162	2.70	3/14/24	640	232	3.31
9/22/23			2.74	3/15/24			3.30
9/23/23			2.77	3/16/24			3.55
9/24/23			2.77	3/17/24	860	326	3.51
9/25/23	560	173	2.72	3/18/24			3.39
10/17/23	560	256	2.85	4/9/24			3.43
10/18/23	510	200	2.79	4/10/24	580	282	3.38
10/19/23	540	230	2.76	4/11/24	540	244	3.44
10/20/23	460	134	2.76	4/12/24	630	514	3.48
10/21/23	480	202	2.95	4/13/24	890	278	3.55
10/22/23	490	186	2.88	4/14/24	640	202	3.50
10/23/23			2.86	4/15/24			3.49
11/14/23			3.02	5/14/24			3.39
11/15/23	500	248	2.99	5/15/24			3.32
11/16/23	610	264	2.85	5/16/24			3.31
11/17/23	550	156	2.87	5/17/24	650	264	3.30
11/18/23			3.01	5/18/24	580	202	3.55
11/19/23			3.02	5/19/24	610	277	3.51
11/20/23			2.94	5/20/24	570	188	3.39
12/5/23	420	98	2.73	6/4/24	520	188	3.43
12/6/23			2.62	6/5/24	560	236	3.38
12/7/23			2.69	6/6/24	570	196	3.44
12/8/23	650	250	2.74	6/7/24	480	243	3.48
12/9/23			2.75	6/8/24	550	184	3.55
12/10/23			2.79	6/9/24	530	208	3.50
12/11/23			2.72	6/10/24	460	49	3.49

**CITY OF GLENDALE COD LOADING TO 91<sup>ST</sup> AVENUE WWTP**  
 (Based on 7 days per month sampling)

<p align="center">A</p> <p align="center">FY/MONTH</p>	<p align="center">B</p> <p align="center"><u>GL03</u></p> <p align="center">99TH AVE Loading (lbs/day)</p>	<p align="center">C</p> <p align="center"><u>GL02</u></p> <p align="center">PEORIA Loading (lbs/day)</p>	<p align="center">D</p> <p align="center">B-C</p> <p align="center">GLENDALE Loading (lbs/day)</p>
<p align="center">2023-2024</p>	<p align="center">89,211</p>	<p align="center">15,140</p>	<p align="center">74,071</p>





**CITY OF GLENDALE TSS LOADING TO 91<sup>ST</sup> AVENUE WWTP**  
 (Based on 7 days per month sampling)

A  FY/MONTH	B <u>GL03</u> 99TH AVE Loading (lbs/day)	C <u>GL02</u> PEORIA Loading (lbs/day)	D B-C GLENDALE Loading (lbs/day)
2023-2024	39,946	6,034	33,912







## CITY OF MESA FLOWS TO 91<sup>ST</sup> AVENUE WWTP

A	B	C	D	E (D-C) < 0
FY/MONTH	PERIOD	MESA Flows (MGD)	MESA OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)
2023-2024		19.07	29.22	
Jul-23	07/01/2023-07/31/2023	17.86	29.22	
Aug-23	08/01/2023-08/31/2023	18.01	29.22	
Sep-23	09/01/2023-09/30/2023	18.50	29.22	
Oct-23	10/01/2023-10/31/2023	18.78	29.22	
Nov-23	11/01/2023-11/30/2023	19.38	29.22	
Dec-23	12/01/2023-12/31/2023	17.86	29.22	
Jan-24	01/01/2024-01/31/2024	19.14	29.22	
Feb-24	02/01/2024-02/29/2024	19.91	29.22	
Mar-24	03/01/2024-03/31/2024	20.16	29.22	
Apr-24	04/01/2024-04/30/2024	20.23	29.22	
May-24	05/01/2024-05/31/2024	19.45	29.22	
Jun-24	06/01/2024-06/30/2024	18.98	29.22	

\* CITY OF MESA FLOW TO THE 91ST AVENUE WWTP = ME01+ME02+ME03

\* SOURCE: AUDITED VALUES PERFORMED PER THE ANNUAL RECONCILIATION PROCESS".

CITY OF MESA  
 Sampling Station: Baseline Road  
 1010.04

CITY OF MESA  
 Sampling Station: Baseline Road  
 1010.04

ME02

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23			9.64	1/23/24	880	420	12.64
7/26/23	910	524	9.58	1/24/24	980	544	12.41
7/27/23	840	516	10.00	1/25/24			12.40
7/28/23	940	508	9.75	1/26/24	1,000	434	12.35
7/29/23	880	500	9.86	1/27/24	950	444	12.50
7/30/23	960	520	10.13	1/28/24	1,300	412	12.64
7/31/23			9.96	1/29/24	960	572	12.50
8/15/23	890	504	9.05	2/21/24	1,200	492	13.59
8/16/23	810	432	9.14	2/22/24	840	366	13.39
8/17/23	900	496	9.03	2/23/24	840	516	13.41
8/18/23	790	372	9.12	2/24/24	820	602	13.78
8/19/23			9.57	2/25/24	1,000	516	13.95
8/20/23	970	588	10.00	2/26/24	930	484	13.71
8/21/23			9.65	2/27/24	940	510	13.50
9/19/23	520	552	9.34	3/12/24	1,200	520	13.50
9/20/23	1,000	600	9.36	3/13/24	930	416	13.56
9/21/23	1,100	544	9.65	3/14/24	1,100	540	13.41
9/22/23	860	482	9.53	3/15/24			13.80
9/23/23	680	478	9.72	3/16/24	1,000	500	13.72
9/24/23	950	604	9.97	3/17/24	1,200	528	13.70
9/25/23	910	504	9.70	3/18/24			13.51
10/17/23			11.79	4/9/24	900	520	13.63
10/18/23	940	436	11.74	4/10/24	930	460	13.61
10/19/23			11.83	4/11/24	1,200	584	13.58
10/20/23	890	526	11.77	4/12/24	1,000	380	13.68
10/21/23			11.91	4/13/24	1,100	656	13.97
10/22/23			12.24	4/14/24	1,200	540	14.01
10/23/23	680	308	11.91	4/15/24			13.77
11/14/23	1,300	556	12.37	5/14/24	1,100	600	12.62
11/15/23	1,000	612	12.34	5/15/24	1,100	594	11.26
11/16/23	1,400	620	12.71	5/16/24	1,100	794	10.59
11/17/23	1,000	608	13.38	5/17/24	1,100	594	10.64
11/18/23	930	0	13.14	5/18/24	1,100	548	11.23
11/19/23	1,100	572	13.37	5/19/24	1,000	496	11.61
11/20/23	1,100	542	13.33	5/20/24			11.87
12/5/23			12.30	6/4/24	920	520	9.85
12/6/23	1,100	756	12.30	6/5/24	1,200	496	10.01
12/7/23	1,200	636	12.16	6/6/24	870	556	9.87
12/8/23	1,200	624	11.98	6/7/24	870	528	9.86
12/9/23	1,000	700	12.29	6/8/24	1,500	572	10.09
12/10/23	1,200	640	13.77	6/9/24	900	568	10.19
12/11/23			12.41	6/10/24			9.79

CITY OF MESA  
 Sampling Station: Southern Avenue  
 1010.02

CITY OF MESA  
 Sampling Station: Southern Avenue  
 1010.02

ME01

Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)	Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)
7/25/23	660	156	7.18	1/23/24	660	156	4.74
7/26/23	660	192	7.21	1/24/24	660	192	4.51
7/27/23	640	216	7.41	1/25/24	640	216	4.50
7/28/23	610	252	7.25	1/26/24	610	252	4.45
7/29/23	600	248	7.47	1/27/24	600	248	4.60
7/30/23			7.77	1/28/24			4.73
7/31/23			7.63	1/29/24			4.60
8/15/23			8.16	2/21/24			4.55
8/16/23			8.16	2/22/24			4.53
8/17/23	650	200	8.06	2/23/24	650	200	4.46
8/18/23	600	132	7.88	2/24/24	600	132	4.61
8/19/23	780	240	7.96	2/25/24	780	240	4.70
8/20/23	710	236	8.08	2/26/24	710	236	4.57
8/21/23	640	216	7.95	2/27/24	640	216	4.53
9/19/23	1,000	220	8.06	3/12/24	1,000	220	4.52
9/20/23	620	288	8.11	3/13/24	620	288	4.51
9/21/23			7.70	3/14/24			4.51
9/22/23	820	218	7.64	3/15/24	820	218	4.58
9/23/23	630	304	7.89	3/16/24	630	304	4.52
9/24/23	660	224	8.11	3/17/24	660	224	4.57
9/25/23	810	276	7.90	3/18/24	810	276	4.48
10/17/23	690	248	6.05	4/9/24	690	248	4.72
10/18/23			6.01	4/10/24			4.63
10/19/23	650	222	5.91	4/11/24	650	222	4.59
10/20/23	630	206	5.84	4/12/24	630	206	4.65
10/21/23	590	238	6.01	4/13/24	590	238	4.77
10/22/23			6.22	4/14/24			4.81
10/23/23			6.10	4/15/24			4.66
11/14/23			6.33	5/14/24			4.56
11/15/23			6.28	5/15/24			5.92
11/16/23	930	296	6.24	5/16/24	930	296	6.29
11/17/23	720	186	6.23	5/17/24	720	186	6.35
11/18/23			6.08	5/18/24			6.54
11/19/23	670	252	6.21	5/19/24	670	252	6.61
11/20/23			5.95	5/20/24			6.42
12/5/23			4.78	6/4/24			6.66
12/6/23	660	228	4.75	6/5/24	660	228	6.72
12/7/23	760	216	4.63	6/6/24	760	216	6.72
12/8/23	820	250	4.53	6/7/24	820	250	6.70
12/9/23	530	236	4.67	6/8/24	530	236	6.72
12/10/23	680	252	4.88	6/9/24	680	252	6.88
12/11/23			4.76	6/10/24			6.81

CITY OF MESA  
 Sampling Station: Price Road  
 1010.03

CITY OF MESA  
 Sampling Station: Price Road  
 1010.03

ME03

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23	810	312	0.36	1/23/24			2.28
7/26/23	1,200	848	0.39	1/24/24			1.97
7/27/23	1,100	344	0.46	1/25/24	960	356	1.98
7/28/23	490	304	0.41	1/26/24	920	600	1.90
7/29/23	1,100	290	0.45	1/27/24	770	292	2.01
7/30/23			0.41	1/28/24	960	404	2.01
7/31/23	790	492	0.92	1/29/24			1.80
8/15/23	1,100	628	0.66	2/21/24	720	406	1.77
8/16/23	690	304	0.33	2/22/24	1,200	700	1.70
8/17/23	510	208	0.34	2/23/24			1.77
8/18/23	690	300	0.53	2/24/24			1.95
8/19/23			0.43	2/25/24	910	470	1.90
8/20/23			0.38	2/26/24	1,100	370	1.93
8/21/23	620	312	0.50	2/27/24			1.63
9/19/23			0.48	3/12/24	1,400	668	1.69
9/20/23	480	148	0.36	3/13/24	690	176	1.75
9/21/23	510	154	0.48	3/14/24	720	200	1.65
9/22/23	810	367	0.40	3/15/24	1,100	656	1.95
9/23/23	430	222	0.39	3/16/24	1,100	472	1.81
9/24/23	510	324	0.57	3/17/24	740	200	1.63
9/25/23	540	160	0.95	3/18/24			1.57
10/17/23			0.51	4/9/24	930	560	1.48
10/18/23	970	608	0.66	4/10/24			1.59
10/19/23	660	242	0.50	4/11/24	930	434	1.55
10/20/23	810	550	0.82	4/12/24			1.64
10/21/23			0.64	4/13/24	1,200	478	1.70
10/22/23	610	378	0.85	4/14/24	1,400	264	1.80
10/23/23	960	454	0.63	4/15/24			2.00
11/14/23			0.79	5/14/24	980	582	2.08
11/15/23			0.55	5/15/24	830	274	2.23
11/16/23			1.30	5/16/24	1,000	580	2.10
11/17/23	880	496	0.62	5/17/24	760	310	2.28
11/18/23	1,000	820	0.75	5/18/24	1,100	262	2.09
11/19/23			0.70	5/19/24	1,300	580	2.08
11/20/23			0.66	5/20/24			2.20
12/5/23			0.51	6/4/24	830	424	2.05
12/6/23	1,100	680	0.66	6/5/24	780	216	2.12
12/7/23			0.50	6/6/24	990	472	2.06
12/8/23	660	286	0.82	6/7/24	730	292	2.17
12/9/23	710	338	0.64	6/8/24	590	154	2.03
12/10/23	530	260	0.85	6/9/24			1.98
12/11/23			0.63	6/10/24			2.18

\*Highlighted Cells are Adopted Data From FY22/23

**CITY OF MESA COD LOADING TO 91<sup>ST</sup> AVENUE WWTP**  
 (Based on 7 days per month sampling)

A  FY/MONTH	B <u>ME01+ME02</u>  SOUTHERN AVE COD  Loading (lbs/day)	C <u>ME03</u>  PRICE RD COD  Loading (lbs/day)	D B+C  MESA Loading  Loading (lbs/day)
2023-2024	129,882	9,035	138,917







**CITY OF MESA TSS LOADING TO 91<sup>ST</sup> AVENUE WWTP**

(Based on 7 days per month sampling)

A  FY/MONTH	B <u>ME01+ME02</u>  SOUTHERN AVE AND BASELINE RD Loading (lbs/day)	C <u>ME03</u>  PRICE RD Loading (lbs/day)	D B+C  MESA Loading (lbs/day)
2023-2024	64,555	4,271	68,826





## CITY OF SCOTTSDALE FLOWS TO 91<sup>ST</sup> AVENUE WWTP

A	B	C	D	E (D-C) < 0
FY/MONTH	PERIOD	SCOTTSDALE Flows (MGD)	SCOTTSDALE OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)
2023-2024		6.79	20.25	
Jul-23	07/01/2023-07/31/2023	5.86	20.25	
Aug-23	08/01/2023-08/31/2023	6.02	20.25	
Sep-23	09/01/2023-09/30/2023	6.10	20.25	
Oct-23	10/01/2023-10/31/2023	6.46	20.25	
Nov-23	11/01/2023-11/30/2023	6.48	20.25	
Dec-23	12/01/2023-12/31/2023	7.50	20.25	
Jan-24	01/01/2024-01/31/2024	8.53	20.25	
Feb-24	02/01/2024-02/29/2024	8.19	20.25	
Mar-24	03/01/2024-03/31/2024	7.50	20.25	
Apr-24	04/01/2024-04/30/2024	6.94	20.25	
May-24	05/01/2024-05/31/2024	5.69	20.25	
Jun-24	06/01/2024-06/30/2024	6.21	20.25	

\* CITY OF SCOTTSDALE FLOW TO THE 91ST AVENUE WWTP = SD01-PV02-PV01

\* SOURCE: "AUDITED VALUES PERFORMED PER THE ANNUAL RECONCILIATION PROCESS"

CITY OF SCOTTSDALE  
 Sampling Station: Princess Station  
 1030.01

CITY OF SCOTTSDALE  
 Sampling Station: Princess Station  
 1030.01

SD01

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23	790	452	11.52	1/23/24	920	516	18.78
7/26/23			13.39	1/24/24	690	464	18.54
7/27/23			12.68	1/25/24	650	364	18.78
7/28/23	350	142	12.94	1/26/24	650	338	16.73
7/29/23			11.83	1/27/24	770	336	16.82
7/30/23			11.87	1/28/24	820	400	16.93
7/31/23			11.83	1/29/24	880	372	16.67
8/15/23	690	374	11.62	2/21/24			12.94
8/16/23			11.90	2/22/24	1,300	712	14.41
8/17/23			11.85	2/23/24	930	540	15.51
8/18/23	710	440	12.08	2/24/24	980	314	13.74
8/19/23	790	500	12.26	2/25/24	1,100	530	14.14
8/20/23	620	408	12.20	2/26/24	1,200	540	14.80
8/21/23	390	464	12.48	2/27/24	990	564	14.11
9/19/23			12.13	3/12/24			12.63
9/20/23			12.34	3/13/24	840	444	12.23
9/21/23	520	376	12.68	3/14/24	940	368	12.52
9/22/23	740	342	11.96	3/15/24	900	436	13.52
9/23/23	660	338	12.11	3/16/24	1,000	544	14.05
9/24/23	650	370	12.03	3/17/24	990	572	14.23
9/25/23	670	342	12.07	3/18/24	1,100	516	14.17
10/17/23			12.31	4/9/24	1,300	788	12.70
10/18/23	520	280	11.92	4/10/24	990	608	12.24
10/19/23	550	252	11.76	4/11/24	1,000	680	12.22
10/20/23	520	216	12.52	4/12/24	1,400	876	12.45
10/21/23	530	240	12.22	4/13/24	1,100	624	12.43
10/22/23	550	296	12.18	4/14/24	1,300	684	13.37
10/23/23	640	316	11.78	4/15/24	970	540	14.86
11/14/23	780	428	12.76	5/14/24	1,000	682	11.06
11/15/23	780	448	12.66	5/15/24	1,200	774	11.23
11/16/23	650	428	12.80	5/16/24	1,100	824	11.63
11/17/23	700	380	12.32	5/17/24	1,200	1,440	11.82
11/18/23	830	464	12.78	5/18/24	1,500	904	11.55
11/19/23	1,100	624	13.02	5/19/24	1,600	1,230	11.51
11/20/23	860	472	12.66	5/20/24	1,400	996	11.52
12/5/23	830	544	12.76	6/4/24			11.86
12/6/23			12.78	6/5/24	1,500	984	11.39
12/7/23			12.89	6/6/24	960	924	12.05
12/8/23	1,100	458	12.93	6/7/24	1,500	832	12.71
12/9/23			13.57	6/8/24	1,400	804	11.93
12/10/23			13.35	6/9/24			11.62
12/11/23			13.15	6/10/24	1,000	712	12.06

\*Highlighted Cells are Adopted Data From FY22/23

CITY OF PHOENIX  
 Sampling Station: Mountain View  
 1020.01

CITY OF PHOENIX  
 Sampling Station: Mountain View  
 1020.01

PV02

Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)	Date	COD (mg/L)	TSS (mg/L)	FLOW (MGD)
7/25/23	530	150	5.93	1/23/24	720	358	6.80
7/26/23	610	234	6.13	1/24/24	440	292	6.22
7/27/23			5.88	1/25/24	670	296	6.14
7/28/23			5.89	1/26/24	770	185	6.21
7/29/23			6.15	1/27/24	770	236	6.32
7/30/23	560	142	6.35	1/28/24	910	256	6.60
7/31/23			6.13	1/29/24	740	192	6.30
8/15/23	670	264	6.12	2/21/24	610	398	6.36
8/16/23			5.90	2/22/24			6.29
8/17/23			6.00	2/23/24	730	230	6.52
8/18/23			6.05	2/24/24	650	290	6.62
8/19/23			6.07	2/25/24	610	137	6.79
8/20/23	440	352	6.32	2/26/24	640	261	6.49
8/21/23			5.89	2/27/24	660	186	6.39
9/19/23	520	190	5.87	3/12/24			6.37
9/20/23	670	248	5.89	3/13/24	640	208	6.20
9/21/23	420	183	6.12	3/14/24	760	200	6.22
9/22/23	540	167	5.95	3/15/24	710	228	6.27
9/23/23	540	508	6.08	3/16/24	670	204	6.44
9/24/23	560	234	6.36	3/17/24	720	108	6.70
9/25/23	620	211	6.10	3/18/24			6.65
10/17/23	700	284	5.81	4/9/24	640	224	5.99
10/18/23	570	244	5.77	4/10/24	630	234	5.76
10/19/23	590	221	5.87	4/11/24	800	298	5.78
10/20/23			5.91	4/12/24	800	146	5.71
10/21/23	620	220	5.96	4/13/24			6.06
10/22/23	560	224	6.13	4/14/24	730	267	6.33
10/23/23	700	287	5.89	4/15/24			5.95
11/14/23	630	252	5.99	5/14/24	660	343	5.69
11/15/23	330	56	6.13	5/15/24	610	167	5.66
11/16/23	670	272	6.03	5/16/24	580	320	5.62
11/17/23	620	262	6.17	5/17/24	640	206	5.65
11/18/23	630	248	6.41	5/18/24			5.92
11/19/23	650	264	6.71	5/19/24	710	250	6.06
11/20/23	870	256	6.28	5/20/24			5.84
12/5/23	630	260	5.88	6/4/24	680	164	5.52
12/6/23			5.81	6/5/24			5.59
12/7/23			5.71	6/6/24	540	238	5.48
12/8/23	600	248	5.75	6/7/24			5.56
12/9/23			6.04	6/8/24			5.77
12/10/23			6.34	6/9/24	440	61	5.99
12/11/23			6.14	6/10/24			5.67

CITY OF PHOENIX  
Sampling Station: Mummy Mountain  
NO SAMPLES COLLECTED VALUES ESTIMATED

PV01

7/25/2023	BOD	COD	TSS	1/23/2024
7/26/2023	(mg/L)	(mg/L)	(mg/L)	1/24/2024
7/27/2023	183	393.45	183	1/25/2024
7/28/2023				1/26/2024

**CITY OF SCOTTSDALE COD LOADING TO 91<sup>ST</sup> AVENUE WWTP**

(Based on 7 days per month sampling)

<b>A</b>  FY/MONTH	<b>B</b> <u>SD01</u>  PRINCESS Loading (lbs/day)	<b>C</b> <u>PV02</u>  MT. VIEW Loading (lbs/day)	<b>D</b> <u>PV01</u>  MUMMY MT. Loading (lbs/day)	<b>E</b> B-C-D  SCOTTSDALE Loading (lbs/day)
2023-2024	96,941	31,838	295	64,808







COD		Estimated LOADING=		295	LBS/DAY		Estimated LOADING=		295	
City of Phoenix		Estimated LOADING=		295	LBS/DAY					
Mummy Mountain Metering Station		PV01								
A	B	C	D	E	F	G	H	I	J	K
	<a href="#">Links</a>		=B*C*8.34	D						Outlier
	COD	Daily		Loading		Absolute				Monthly
	Concentration	Flow		Sample		Deviation				COD
	(mg/L)	mgd		Set	Median	from Median	MAD	Z	Cut off	Loading
Date			lbs/day	lbs/day	lbs/day	lbs/day	lbs/day		Value	lbs/day
7/20 - 6/21	393	0.09	295	295	295				NA	295
				1						1

**CITY OF SCOTTSDALE TSS LOADING TO 91<sup>ST</sup> AVENUE WWTP**

(Based on 7 days per month sampling)

A FY/MONTH	B <u>SD01</u> PRINCESS Loading (lbs/day)	C <u>PV02</u> MT VIEW Loading (lbs/day)	D <u>PV01</u> MUMMY MT Loading (lbs/day)	E B-C-D SCOTTSDALE Loading (lbs/day)
2023-2024	55,830	11,726	137	43,967





TSS City of Phoenix Mummy Mountain Metering Station		Estimated LOADING= Estimated LOADING= PV01		137	LBS/DAY	Estimated LOADING=				137
A	B <a href="#">Links</a>	C	D $=B*C*8.34$	E D	F	G	H	I	J	K
Date	TSS Concentration (mg/L)	Daily Flow mgd	Loading lbs/day	Loading Sample Set lbs/day	Median lbs/day	Absolute Deviation from Median lbs/day	MAD lbs/day	I Z I	Cut off Value	Outlier Monthly TSS Loading lbs/day
7/2023 - 6/2024	183	0.09	137	137	137				NA	137
				1						1

## CITY OF TEMPE FLOWS TO 91<sup>ST</sup> AVENUE WWTP

A	B	C	D	E (D-C) < 0
FY/MONTH	PERIOD	TEMPE Flows (MGD)	TEMPE OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)
2023-2024		19.03	29.03	
Jul-23	07/01/2023-07/31/2023	18.37	29.03	
Aug-23	08/01/2023-08/31/2023	19.81	29.03	
Sep-23	09/01/2023-09/30/2023	19.81	29.03	
Oct-23	10/01/2023-10/31/2023	19.12	29.03	
Nov-23	11/01/2023-11/30/2023	19.53	29.03	
Dec-23	12/01/2023-12/31/2023	19.58	29.03	
Jan-24	01/01/2024-01/31/2024	18.72	29.03	
Feb-24	02/01/2024-02/29/2024	18.84	29.03	
Mar-24	03/01/2024-03/31/2024	18.61	29.03	
Apr-24	04/01/2024-04/30/2024	19.14	29.03	
May-24	05/01/2024-05/31/2024	18.28	29.03	
Jun-24	06/01/2024-06/30/2024	17.96	29.03	

\* CITY OF TEMPE FLOW TO THE 91ST AVENUE WWTP = TP01+TP03+TP02+TP04+TP05-ME01-ME02-PH01

\* SOURCE: AUDITED VALUES PERFORMED PER THE ANNUAL RECONCILIATION PROCESS".



CITY OF TEMPE  
 Sampling Station: Priest Drive  
 1040.03

CITY OF TEMPE  
 Sampling Station: Priest Drive  
 1040.03

TP01

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23	830	244	18.78	1/23/24	840	388	20.10
7/26/23	830	304	18.66	1/24/24	1,000	384	18.82
7/27/23	840	168	19.19	1/25/24	860	384	5.12
7/28/23			18.93	1/26/24			2.72
7/29/23	750	252	19.38	1/27/24	740	232	2.67
7/30/23	850	212	19.68	1/28/24	1,200	232	2.67
7/31/23			19.96	1/29/24	870	248	2.73
8/15/23	910	160	18.05	2/21/24			19.55
8/16/23	750	236	18.04	2/22/24	1,000	562	19.43
8/17/23	760	248	17.61	2/23/24	1,000	388	19.29
8/18/23	770	144	17.65	2/24/24	1,000	482	19.44
8/19/23	730	236	17.68	2/25/24	1,000	360	20.24
8/20/23	650	272	17.86	2/26/24	860	142	19.38
8/21/23	750	280	17.90	2/27/24	910	436	19.05
9/19/23	600	160	21.53	3/12/24	950	952	19.72
9/20/23	790	360	21.18	3/13/24	970	316	19.67
9/21/23	740	272	20.92	3/14/24	900	308	19.69
9/22/23	930	374	21.25	3/15/24	920	272	20.00
9/23/23	660	316	21.64	3/16/24	1,000	368	20.04
9/24/23	740	332	22.52	3/17/24	1,200	396	20.07
9/25/23	830	260	21.60	3/18/24	1,100	324	19.71
10/17/23	930	372	20.36	4/9/24	660	206	5.77
10/18/23			19.95	4/10/24	710	180	5.89
10/19/23	820	244	20.22	4/11/24	720	230	5.86
10/20/23	930	334	20.07	4/12/24	840	226	5.78
10/21/23	720	328	19.88	4/13/24	690	158	6.19
10/22/23	740	286	20.84	4/14/24	840	224	6.76
10/23/23	860	274	20.48	4/15/24	1,400	394	15.83
11/14/23	920	344	21.33	5/14/24	980	296	19.01
11/15/23	870	372	21.36	5/15/24	830	392	19.75
11/16/23	1,000	360	21.35	5/16/24	1,100	364	19.88
11/17/23	900	238	22.00	5/17/24	1,100	524	20.28
11/18/23	780	380	21.99	5/18/24	970	334	20.39
11/19/23	850	360	22.48	5/19/24	840	392	21.31
11/20/23	980	328	21.66	5/20/24			21.15
12/5/23	1,000	344	21.17	6/4/24	810	312	19.35
12/6/23			20.95	6/5/24	990	348	19.30
12/7/23	1,000	384	20.91	6/6/24	730	276	19.45
12/8/23	1,100	412	20.65	6/7/24			19.13
12/9/23	1,000	448	20.56	6/8/24	850	304	19.37
12/10/23	910	368	21.93	6/9/24	870	336	19.41
12/11/23			20.97	6/10/24			19.32

CITY OF TEMPE  
 Sampling Station: Gilbert Road  
 1040.05

CITY OF TEMPE  
 Sampling Station: Gilbert Road  
 1040.05

TP02

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23	560	200	4.16	1/23/24			4.98
7/26/23	490	168	4.15	1/24/24			4.76
7/27/23	620	107	4.32	1/25/24			4.62
7/28/23	530	224	4.13	1/26/24	590	228	4.61
7/29/23			4.04	1/27/24	560	210	4.27
7/30/23	590	196	3.94	1/28/24	570	212	4.29
7/31/23	620	248	4.22	1/29/24	610	156	4.53
8/15/23			4.92	2/21/24	640	244	4.55
8/16/23			5.07	2/22/24			4.52
8/17/23	560	178	5.07	2/23/24	1,200	290	4.62
8/18/23			4.95	2/24/24	650	188	4.54
8/19/23	570	196	4.78	2/25/24	530	268	4.81
8/20/23			4.92	2/26/24	690	219	4.85
8/21/23			5.06	2/27/24	600	208	4.94
9/19/23			4.93	3/12/24			4.62
9/20/23	580	97	4.81	3/13/24			4.69
9/21/23			4.85	3/14/24			4.60
9/22/23	520	109	4.76	3/15/24	510	216	4.58
9/23/23	480	164	4.80	3/16/24	580	202	4.46
9/24/23	520	187	4.81	3/17/24	580	276	4.43
9/25/23			4.85	3/18/24	570	100	4.79
10/17/23	490	180	4.93	4/9/24	540	267	4.49
10/18/23			4.86	4/10/24			4.46
10/19/23	710	277	4.81	4/11/24	560	184	4.54
10/20/23	550	141	4.83	4/12/24			4.58
10/21/23	500	258	4.62	4/13/24	590	194	4.63
10/22/23			4.70	4/14/24	540	224	4.68
10/23/23	560	183	4.85	4/15/24			4.73
11/14/23	550	172	4.71	5/14/24	530	190	4.11
11/15/23	610	184	4.74	5/15/24	450	199	4.12
11/16/23	550	240	4.78	5/16/24	490	143	4.02
11/17/23	720	224	4.71	5/17/24	600	285	4.03
11/18/23	680	220	4.53	5/18/24			4.04
11/19/23	560	248	4.51	5/19/24	480	201	4.02
11/20/23			4.77	5/20/24	530	148	4.08
12/5/23	560	162	4.53	6/4/24			4.15
12/6/23	780	241	4.49	6/5/24	500	140	4.11
12/7/23	880	228	4.44	6/6/24	410	159	4.06
12/8/23	620	175	4.34	6/7/24	590	122	4.01
12/9/23	580	214	4.10	6/8/24	480	159	3.90
12/10/23	560	234	4.00	6/9/24	510	159	3.94
12/11/23			4.01	6/10/24	440	153	4.15

CITY OF TEMPE  
 Sampling Station: Southern Avenue  
 1040.01

CITY OF TEMPE  
 Sampling Station: Southern Avenue  
 1040.01

TP03

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23	900	392	10.81	1/23/24	910	440	11.33
7/26/23	880	404	10.72	1/24/24	900	460	10.87
7/27/23	920	104	11.20	1/25/24	850	416	22.09
7/28/23	960	524	10.96	1/26/24	760	514	24.53
7/29/23	870	384	10.92	1/27/24	980	296	25.12
7/30/23	790	400	11.14	1/28/24	970	488	25.27
7/31/23	890	384	11.24	1/29/24	910	436	25.02
8/15/23	940	440	12.49	2/21/24	930	420	10.69
8/16/23	910	416	12.58	2/22/24	1,000	476	10.49
8/17/23	1,100	448	12.43	2/23/24	660	428	10.50
8/18/23	1,000	332	12.62	2/24/24	890	412	10.97
8/19/23	870	440	12.79	2/25/24	970	428	11.10
8/20/23	860	428	13.41	2/26/24	840	456	10.92
8/21/23	860	424	13.26	2/27/24	920	470	10.86
9/19/23	600	388	8.98	3/12/24	570	400	10.73
9/20/23	470	408	9.00	3/13/24	920	464	10.84
9/21/23	930	392	9.16	3/14/24	910	296	10.66
9/22/23	940	368	9.19	3/15/24	970	460	10.81
9/23/23	870	424	9.01	3/16/24	980	428	10.64
9/24/23	840	372	9.18	3/17/24	900	444	10.62
9/25/23	950	396	9.17	3/18/24	930	388	10.72
10/17/23			10.34	4/9/24	910	436	25.30
10/18/23	940	400	10.48	4/10/24	770	420	25.08
10/19/23	890	386	10.58	4/11/24	830	336	25.03
10/20/23	840	416	10.43	4/12/24	980	460	25.27
10/21/23			10.19	4/13/24	920	350	25.27
10/22/23	730	320	10.40	4/14/24	820	348	25.15
10/23/23	800	352	10.53	4/15/24	810	150	15.09
11/14/23	940	484	10.00	5/14/24	850	400	10.36
11/15/23	840	472	10.66	5/15/24	850	426	9.92
11/16/23	880	480	10.72	5/16/24	840	484	9.55
11/17/23	940	556	11.41	5/17/24	940	348	9.59
11/18/23	810	452	11.39	5/18/24	900	330	9.63
11/19/23	840	428	11.88	5/19/24	1,100	374	9.77
11/20/23	1,000	408	11.06	5/20/24	840	364	10.23
12/5/23	950	512	10.57	6/4/24			9.08
12/6/23	1,100	544	10.27	6/5/24	830	376	9.29
12/7/23	1,200	500	10.45	6/6/24	700	324	9.22
12/8/23	920	532	10.10	6/7/24	930	344	9.28
12/9/23	1,000	564	10.23	6/8/24	870	420	9.06
12/10/23	950	552	10.91	6/9/24	900	412	8.97
12/11/23			10.72	6/10/24	920	328	9.29

CITY OF TEMPE  
 Sampling Station: 48th Street  
 1040.02

CITY OF TEMPE  
 Sampling Station: 48th Street  
 1040.02

TP04

<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>	<u>Date</u>	<u>COD (mg/L)</u>	<u>TSS (mg/L)</u>	<u>FLOW (MGD)</u>
7/25/23			1.75	1/23/24			1.75
7/26/23	220	70	1.80	1/24/24			1.69
7/27/23	220	66	1.89	1/25/24	310	115	4.27
7/28/23	220	60	1.78	1/26/24	220	85	4.72
7/29/23	160	56	1.67	1/27/24	180	63	4.19
7/30/23	140	40	1.72	1/28/24	100	71	4.45
7/31/23	140	45	1.85	1/29/24	210	100	4.80
8/15/23			1.76	2/21/24			1.81
8/16/23	220	70	1.80	2/22/24			1.93
8/17/23	220	66	1.82	2/23/24	310	115	1.81
8/18/23	220	60	1.78	2/24/24	220	85	1.64
8/19/23	160	56	1.70	2/25/24	180	63	1.62
8/20/23	140	40	1.64	2/26/24	100	71	1.74
8/21/23	140	45	1.78	2/27/24	210	100	1.72
9/19/23			1.73	3/12/24			1.50
9/20/23	220	70	1.73	3/13/24			1.54
9/21/23	220	66	1.73	3/14/24	310	115	1.54
9/22/23	220	60	1.68	3/15/24	220	85	1.53
9/23/23	160	56	1.55	3/16/24	180	63	1.41
9/24/23	140	40	1.56	3/17/24	100	71	1.32
9/25/23	140	45	1.71	3/18/24	210	100	1.43
10/17/23	240	84	1.69	4/9/24	190	80	1.77
10/18/23	390	124	1.70	4/10/24	240	95	1.68
10/19/23	220	70	1.70	4/11/24	270	112	1.88
10/20/23	240	150	1.65	4/12/24	280	53	1.87
10/21/23	240	104	1.60	4/13/24	330	145	1.49
10/22/23	220	76	1.56	4/14/24	220	65	2.33
10/23/23			1.68	4/15/24	190	84	1.71
11/14/23	240	84	1.69	5/14/24	190	80	1.64
11/15/23	390	124	1.67	5/15/24	240	95	1.60
11/16/23	220	70	1.69	5/16/24	270	112	1.60
11/17/23	240	150	1.68	5/17/24	280	53	1.58
11/18/23	240	104	1.59	5/18/24	330	145	1.49
11/19/23	220	76	1.55	5/19/24	220	65	1.47
11/20/23			1.65	5/20/24	190	84	1.61
12/5/23	240	84	1.71	6/4/24	190	80	1.70
12/6/23	390	124	1.63	6/5/24	240	95	1.69
12/7/23	220	70	1.65	6/6/24	270	112	1.75
12/8/23	240	150	1.57	6/7/24	280	53	1.74
12/9/23	240	104	1.48	6/8/24	330	145	1.66
12/10/23	220	76	1.46	6/9/24	220	65	1.58
12/11/23			1.59	6/10/24	190	84	1.72

CITY OF TEMPE  
 Sampling Station: New Northwest Station  
 1040.06

CITY OF TEMPE  
 Sampling Station: New Northwest Station  
 1040.06 TP05

<u>Date</u>	<u>COD</u> <u>(mg/L)</u>	<u>TSS</u> <u>(mg/L)</u>	<u>FLOW</u> <u>(MGD)</u>	<u>Date</u>	<u>COD</u> <u>(mg/L)</u>	<u>TSS</u> <u>(mg/L)</u>	<u>FLOW</u> <u>(MGD)</u>
7/25/23			0.19	1/23/24			0.12
7/26/23			0.19	1/24/24			0.12
7/27/23			0.19	1/25/24			0.12
7/28/23			0.18	1/26/24			0.10
7/29/23			0.15	1/27/24			0.08
7/30/23			0.14	1/28/24			0.07
7/31/23			0.19	1/29/24			0.10
8/15/23			0.15	2/21/24			0.12
8/16/23			0.15	2/22/24			0.12
8/17/23			0.14	2/23/24	1,200	816	0.11
8/18/23			0.12	2/24/24	750	388	0.08
8/19/23			0.10	2/25/24	630	508	0.08
8/20/23			0.10	2/26/24	1,600	924	0.11
8/21/23			0.14	2/27/24			0.12
9/19/23			0.15	3/12/24			0.12
9/20/23			0.14	3/13/24			0.12
9/21/23			0.13	3/14/24			0.12
9/22/23			0.12	3/15/24			0.09
9/23/23			0.09	3/16/24			0.06
9/24/23			0.08	3/17/24			0.06
9/25/23			0.12	3/18/24			0.10
10/17/23			0.13	4/9/24			0.14
10/18/23			0.13	4/10/24			0.13
10/19/23			0.12	4/11/24			0.13
10/20/23			0.11	4/12/24			0.11
10/21/23			0.09	4/13/24			0.10
10/22/23			0.08	4/14/24			0.08
10/23/23			0.13	4/15/24			0.11
11/14/23			0.11	5/14/24			0.14
11/15/23			0.11	5/15/24			0.14
11/16/23			0.11	5/16/24			0.13
11/17/23			0.10	5/17/24			0.11
11/18/23			0.08	5/18/24			0.09
11/19/23			0.06	5/19/24			0.08
11/20/23			0.09	5/20/24			0.12
12/5/23			0.12	6/4/24			0.12
12/6/23			0.14	6/5/24			0.13
12/7/23			0.13	6/6/24			0.13
12/8/23			0.09	6/7/24			0.12
12/9/23			0.09	6/8/24			0.09
12/10/23			0.08	6/9/24			0.08
12/11/23			0.11	6/10/24			0.12

CITY OF PHOENIX  
 Sampling Station: Hilton Hotel  
 NO SAMPLES COLLECTED VALUES ESTIMATED

PH01

	COD	TSS	
	(mg/L)	(mg/L)	
7/25/2023			1/23/2024
7/26/2023			1/24/2024
7/27/2023	759.04	346.37	1/25/2024
7/28/2023			1/26/2024
7/29/2023			1/27/2024
7/30/2023			1/28/2024
7/31/2023			1/29/2024
8/15/2023			2/21/2024
8/16/2023			2/22/2024
8/17/2023			2/23/2024
8/18/2023			2/24/2024
8/19/2023			2/25/2024
8/20/2023			2/26/2024
8/21/2023			2/27/2024
9/19/2023			3/12/2024
9/20/2023			3/13/2024
9/21/2023			3/14/2024
9/22/2023			3/15/2024
9/23/2023			3/16/2024
9/24/2023			3/17/2024
9/25/2023			3/18/2024
10/17/2023			4/9/2024
10/18/2023			4/10/2024
10/19/2023			4/11/2024
10/20/2023			4/12/2024
10/21/2023			4/13/2024
10/22/2023			4/14/2024
10/23/2023			4/15/2024
11/14/2023			5/14/2024
11/15/2023			5/15/2024
11/16/2023			5/16/2024
11/17/2023			5/17/2024
11/18/2023			5/18/2024
11/19/2023			5/19/2024
11/20/2023			5/20/2024
12/5/2023			6/4/2024
12/6/2023			6/5/2024
12/7/2023			6/6/2024
12/8/2023			6/7/2024
12/9/2023			6/8/2024
12/10/2023			6/9/2024
12/11/2023			6/10/2024

**CITY OF TEMPE COD LOADING TO 91<sup>ST</sup> AVENUE WWTP**

(Based on 7 days per month sampling)

A  FY/MONTH	B <u>TP01+TP03</u>  Priest + Southern Loading (lbs/day)	C <u>TP02</u>  Gilbert Loading (lbs/day)	D <u>TP04</u>  48th St. Loading (lbs/day)	E <u>TP05</u>  Northwest Loading (lbs/day)	F <u>PH01</u>  Phx - 47 Loading (lbs/day)	G <u>ME01+ME02</u>  Me-Southern + Me-Baseline Loading (lbs/day)	I <u>SUM(B..E)- SUM(F..G)</u>  TEMPE Loading (lbs/day)
2023-2024	226,150	21,189	2,991	849	73	129,882	121,224









COD		AVERAGE LOADING=		849	LBS/DAY	
City of Tempe						
Northwest Metering Station						
	A	B	C	TP05	E	O
				=B*C*8.34	=B*C*8.34	Composite
					Loading	set
					Sample	COD
					Set	Loading
<u>Date</u>	<u>COD Conc (mg/L)</u>	<u>Daily Flow mgd</u>	<u>Loading lbs/day</u>	<u>Loading lbs/day</u>	<u>Set lbs/day</u>	<u>Loading lbs/day</u>
7/25/2023	0	0.19	0			
7/26/2023	0	0.19	0			
7/27/2023	0	0.19	0			
7/28/2023	0	0.18	0			
7/29/2023	0	0.15	0			
7/30/2023	0	0.14	0			
7/31/2023	0	0.19	0			
8/15/2023	0	0.15	0			
8/16/2023	0	0.15	0			
8/17/2023	0	0.14	0			
8/18/2023	0	0.12	0			
8/19/2023	0	0.10	0			
8/20/2023	0	0.10	0			
8/21/2023	0	0.14	0			
9/19/2023	0	0.15	0			
9/20/2023	0	0.14	0			
9/21/2023	0	0.13	0			
9/22/2023	0	0.12	0			
9/23/2023	0	0.09	0			
9/24/2023	0	0.08	0			
9/25/2023	0	0.12	0			
10/17/2023	0	0.13	0			
10/18/2023	0	0.13	0			
10/19/2023	0	0.12	0			
10/20/2023	0	0.11	0			
10/21/2023	0	0.09	0			
10/22/2023	0	0.08	0			
10/23/2023	0	0.13	0			
11/14/2023	0	0.11	0			
11/15/2023	0	0.11	0			
11/16/2023	0	0.11	0			
11/17/2023	0	0.10	0			
11/18/2023	0	0.08	0			
11/19/2023	0	0.06	0			
11/20/2023	0	0.09	0			
12/5/2023	0	0.12	0			
12/6/2023	0	0.14	0			
12/7/2023	0	0.13	0			
12/8/2023	0	0.09	0			
12/9/2023	0	0.09	0			
12/10/2023	0	0.08	0			
12/11/2023	0	0.11	0			
1/23/2024	0	0.12	0			
1/24/2024	0	0.12	0			
1/25/2024	0	0.12	0			
1/26/2024	0	0.10	0			
1/27/2024	0	0.08	0			
1/28/2024	0	0.07	0			
1/29/2024	0	0.10	0			
2/21/2024	0	0.12	0			849
2/22/2024	0	0.12	0			849
2/23/2024	1200	0.11	1,051	1,051		849
2/24/2024	750	0.08	501	501		849
2/25/2024	630	0.08	434	434		849
2/26/2024	1600	0.11	1,410	1,410		849
2/27/2024	0	0.12	0			849
3/12/2024	0	0.12	0			
3/13/2024	0	0.12	0			
3/14/2024	0	0.12	0			
3/15/2024	0	0.09	0			
3/16/2024	0	0.06	0			
3/17/2024	0	0.06	0			
3/18/2024	0	0.10	0			
4/9/2024	0	0.14	0			
4/10/2024	0	0.13	0			
4/11/2024	0	0.13	0			
4/12/2024	0	0.11	0			
4/13/2024	0	0.10	0			
4/14/2024	0	0.08	0			
4/15/2024	0	0.11	0			
5/14/2024	0	0.14	0			
5/15/2024	0	0.14	0			
5/16/2024	0	0.13	0			
5/17/2024	0	0.11	0			
5/18/2024	0	0.09	0			
5/19/2024	0	0.08	0			
5/20/2024	0	0.12	0			
6/4/2024	0	0.12	0			
6/5/2024	0	0.13	0			
6/6/2024	0	0.13	0			
6/7/2024	0	0.12	0			
6/8/2024	0	0.09	0			
6/9/2024	0	0.08	0			
6/10/2024	0	0.12	0			

COD City of Phoenix 47th Hilton Metering Station		AVERAGE LOADING= MEDIAN LOADING= PH01		73 73	LBS/DAY LBS/DAY	
A	B	C	D	E	F	G
	<a href="#">Links</a>		=B*C*8.34	D		
	COD Concentration	Daily Flow	Loading lbs/day	Loading Sample Set	Median lbs/day	Absolute Deviation from Median lbs/day
<u>Date</u>	<u>(mg/L)</u>	<u>mgd</u>	<u>lbs/day</u>	<u>lbs/day</u>	<u>lbs/day</u>	<u>lbs/day</u>
7/23 - 6/24	759	0.01	73	73	73	

**CITY OF TEMPE TSS LOADING TO 91<sup>ST</sup> AVENUE WWTP**  
 (Based on 7 days per month sampling)

A	B	C	D	E	F	G	H
	<u>TP01+TP03</u>	<u>TP02</u>	<u>TP04</u>	<u>TP05</u>	<u>PH01</u>	<u>ME01+ME02</u>	<u>SUM(B..E)- SUM(F..G)</u>
FY/MONTH	Priest + Southern Loading (lbs/day)	Gilbert Loading (lbs/day)	48th St. Loading (lbs/day)	Northwest Loading (lbs/day)	Phx- 47 Loading (lbs/day)	ME-Southern +ME-Baseline Loading (lbs/day)	TEMPE Loading (lbs/day)
2023-2024	91,522	7,538	1,230	535	33	64,555	36,237









TSS		AVERAGE LOADING=		535	LBS/DAY
City of Tempe		MEDIAN LOADING=		532	LBS/DAY
Northwest Metering Station		TP05			
A	B	C	D	E	F
			=B*C*8.34	=B*C*8.34	Composite
	TSS	Daily		Loading	set
Date	Conc	Flow	Loading	Sample	TSS
	(mg/L)	mgd	lbs/day	Set	Loading
				lbs/day	lbs/day
7/25/2023	0	0.19	0		
7/26/2023	0	0.19	0		
7/27/2023	0	0.19	0		
7/28/2023	0	0.18	0		
7/29/2023	0	0.15	0		
7/30/2023	0	0.14	0		
7/31/2023	0	0.19	0		
8/15/2023	0	0.15	0		
8/16/2023	0	0.15	0		
8/17/2023	0	0.14	0		
8/18/2023	0	0.12	0		
8/19/2023	0	0.10	0		
8/20/2023	0	0.10	0		
8/21/2023	0	0.14	0		
9/19/2023	0	0.15	0		
9/20/2023	0	0.14	0		
9/21/2023	0	0.13	0		
9/22/2023	0	0.12	0		
9/23/2023	0	0.09	0		
9/24/2023	0	0.08	0		
9/25/2023	0	0.12	0		
10/17/2023	0	0.13	0		
10/18/2023	0	0.13	0		
10/19/2023	0	0.12	0		
10/20/2023	0	0.11	0		
10/21/2023	0	0.09	0		
10/22/2023	0	0.08	0		
10/23/2023	0	0.13	0		
11/14/2023	0	0.11	0		
11/15/2023	0	0.11	0		
11/16/2023	0	0.11	0		
11/17/2023	0	0.10	0		
11/18/2023	0	0.08	0		
11/19/2023	0	0.06	0		
11/20/2023	0	0.09	0		
12/5/2023	0	0.12	0		
12/6/2023	0	0.14	0		
12/7/2023	0	0.13	0		
12/8/2023	0	0.09	0		
12/9/2023	0	0.09	0		
12/10/2023	0	0.08	0		
12/11/2023	0	0.11	0		
1/23/2024	0	0.12	0		
1/24/2024	0	0.12	0		
1/25/2024	0	0.12	0		
1/26/2024	0	0.10	0		
1/27/2024	0	0.08	0		
1/28/2024	0	0.07	0		
1/29/2024	0	0.10	0		
2/21/2024	0	0.12	0		535
2/22/2024	0	0.12	0		535
2/23/2024	816	0.11	715	715	535
2/24/2024	388	0.08	259	259	535
2/25/2024	508	0.08	350	350	535
2/26/2024	924	0.11	814	814	535
2/27/2024	0	0.12	0		
3/12/2024	0	0.12	0		
3/13/2024	0	0.12	0		
3/14/2024	0	0.12	0		
3/15/2024	0	0.09	0		
3/16/2024	0	0.06	0		
3/17/2024	0	0.06	0		
3/18/2024	0	0.10	0		
4/9/2024	0	0.14	0		
4/10/2024	0	0.13	0		
4/11/2024	0	0.13	0		
4/12/2024	0	0.11	0		
4/13/2024	0	0.10	0		
4/14/2024	0	0.08	0		
4/15/2024	0	0.11	0		
5/14/2024	0	0.14	0		
5/15/2024	0	0.14	0		
5/16/2024	0	0.13	0		
5/17/2024	0	0.11	0		
5/18/2024	0	0.09	0		
5/19/2024	0	0.08	0		
5/20/2024	0	0.12	0		
6/4/2024	0	0.12	0		
6/5/2024	0	0.13	0		
6/6/2024	0	0.13	0		
6/7/2024	0	0.12	0		
6/8/2024	0	0.09	0		
6/9/2024	0	0.08	0		
6/10/2024	0	0.12	0		

TSS City of Phoenix 47th Hilton Metering Station		AVERAGE LOADING= MEDIAN LOADING= PH01			33 33	LBS/DAY LBS/DAY	Estimated LOADING=				33
A	B <a href="#">Links</a>	C	D =B*C*8.34	E D	F	G	H	I	J	K	
Date	TSS Concentration (mg/L)	Daily Flow mgd	Loading lbs/day	Loading Sample Set lbs/day	Median lbs/day	Absolute Deviation from Median lbs/day	MAD lbs/day	I Z I	Cut off Value	Outlier Monthly TSS Loading lbs/day	
7/2023 - 6/2024	346	0.01	33	33	33				NA	33	

## CITY OF PHOENIX FLOWS TO 91<sup>ST</sup> AVENUE WWTP

A	B	C	D	E (D-C) < 0
FY/MONTH	PERIOD	PHOENIX Flows (MGD)	PHOENIX OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)
2023-2024		100.57	112.80	
Jul-23	07/01/2023-07/31/2023	90.06	112.80	
Aug-23	08/01/2023-08/31/2023	105.45	112.80	
Sep-23	09/01/2023-09/30/2023	103.59	112.80	
Oct-23	10/01/2023-10/31/2023	97.34	112.80	
Nov-23	11/01/2023-11/30/2023	119.09	112.80	-6.29
Dec-23	12/01/2023-12/31/2023	98.21	112.80	
Jan-24	01/01/2024-01/31/2024	90.68	112.80	
Feb-24	02/01/2024-02/29/2024	105.04	112.80	
Mar-24	03/01/2024-03/31/2024	99.34	112.80	
Apr-24	04/01/2024-04/30/2024	93.47	112.80	
May-24	05/01/2024-05/31/2024	100.56	112.80	
Jun-24	06/01/2024-06/30/2024	101.31	112.80	

\* CITY OF PHOENIX FLOW TO THE 91ST AVENUE WWTP = TOTAL 91ST AVENUE WWTP-GLENDALE-MESA-SCOTTSDALE-TEMPE

\* SOURCE: AUDITED VALUES PERFORMED PER THE ANNUAL RECONCILIATION PROCESS".

**CITY OF PHOENIX COD LOADING AT THE 91<sup>ST</sup> AVENUE WWTP**

A FY/MONTH	B 91 <sup>ST</sup> COD Loading (lbs/day)	C GLENDALE COD Loading (lbs/day)	D MESA COD Loading (lbs/day)	E SCOTTSDALE COD Loading (lbs/day)	F TEMPE COD Loading (lbs/day)	G B-C-D-E-F PHOENIX COD Loading (lbs/day)
2023-2024	981,873	74,071	138,917	64,808	121,224	582,853
	100.00%	7.54%	14.15%	6.60%	12.35%	59.36%

COD City of Phoenix 91ST Ave WWTP		AVERAGE LOADING= 978,920 MEDIAN LOADING= 970,863				LBS/DAY LBS/DAY		AVERAGE ROBUST LOADING= 980,526				Adjusted= 981,873	
A	B	C =B	D	E	F	G	H	I	J	K	L Replacement Values COD	M Composite set COD	
Date	Loading lbs/day	Set lbs/day	Median lbs/day	Absolute Deviation lbs/day	MAD lbs/day	Z	Cut off Value	Monthly COD Loading lbs/day	HIGH	LOW	Loading lbs/day	Loading lbs/day	
7/25/2023	734,777	734,777	970,863	236,085	74,666	3.162	4.00	734,777			872,791	734,777	
7/26/2023	872,791	872,791	970,863	98,072	74,666	1.313	4.00	872,791			872,791	872,791	
7/27/2023	788,341	788,341	970,863	182,521	74,666	2.445	4.00	788,341			872,791	788,341	
7/28/2023	895,046	895,046	970,863	75,816	74,666	1.015	4.00	895,046			872,791	895,046	
7/29/2023	903,370	903,370	970,863	67,492	74,666	0.904	4.00	903,370			872,791	903,370	
7/30/2023	793,169	793,169	970,863	177,694	74,666	2.380	4.00	793,169			872,791	793,169	
7/31/2023	936,742	936,742	970,863	34,121	74,666	0.457	4.00	936,742			872,791	936,742	
8/15/2023	1,125,068	1,125,068	970,863	154,205	74,666	2.065	4.00	1,125,068			1,125,068	1,125,068	
8/16/2023	861,229	861,229	970,863	109,634	74,666	1.468	4.00	861,229			1,125,068	861,229	
8/17/2023	1,144,632	1,144,632	970,863	173,769	74,666	2.327	4.00	1,144,632			1,125,068	1,144,632	
8/18/2023	1,231,634	1,231,634	970,863	260,771	74,666	3.493	4.00	1,231,634			1,125,068	1,231,634	
8/19/2023	991,055	991,055	970,863	20,193	74,666	0.270	4.00	991,055			1,125,068	991,055	
8/20/2023	1,006,292	1,006,292	970,863	35,429	74,666	0.475	4.00	1,006,292			1,125,068	1,006,292	
8/21/2023	1,144,142	1,144,142	970,863	173,280	74,666	2.321	4.00	1,144,142			1,125,068	1,144,142	
9/19/2023	918,650	918,650	970,863	52,213	74,666	0.699	4.00	918,650			928,747	918,650	
9/20/2023	1,013,744	1,013,744	970,863	42,882	74,666	0.574	4.00	1,013,744			928,747	1,013,744	
9/21/2023	1,108,471	1,108,471	970,863	137,608	74,666	1.843	4.00	1,108,471			928,747	1,108,471	
9/22/2023	928,747	928,747	970,863	42,115	74,666	0.564	4.00	928,747			928,747	928,747	
9/23/2023	905,500	905,500	970,863	65,362	74,666	0.875	4.00	905,500			928,747	905,500	
9/24/2023	729,583	729,583	970,863	241,280	74,666	3.231	4.00	729,583			928,747	729,583	
9/25/2023	952,820	952,820	970,863	18,042	74,666	0.242	4.00	952,820			928,747	952,820	
10/17/2023	961,685	961,685	970,863	9,178	74,666	0.123	4.00	961,685			968,333	961,685	
10/18/2023	974,982	974,982	970,863	4,119	74,666	0.055	4.00	974,982			968,333	974,982	
10/19/2023	763,238	763,238	970,863	207,625	74,666	2.781	4.00	763,238			968,333	763,238	
10/20/2023	1,012,067	1,012,067	970,863	41,204	74,666	0.552	4.00	1,012,067			968,333	1,012,067	
10/21/2023	426,240	426,240	970,863	544,623	74,666	7.294	4.00			1	968,333	968,333	
10/22/2023	714,107	714,107	970,863	256,755	74,666	3.439	4.00	714,107			968,333	714,107	
10/23/2023	995,283	995,283	970,863	24,421	74,666	0.327	4.00	995,283			968,333	995,283	
11/14/2023	853,804	853,804	970,863	117,059	74,666	1.568	4.00	853,804			914,052	853,804	
11/15/2023	850,763	850,763	970,863	120,099	74,666	1.608	4.00	850,763			914,052	850,763	
11/16/2023	914,052	914,052	970,863	56,811	74,666	0.761	4.00	914,052			914,052	914,052	
11/17/2023	974,801	974,801	970,863	3,938	74,666	0.053	4.00	974,801			914,052	974,801	
11/18/2023	877,580	877,580	970,863	93,283	74,666	1.249	4.00	877,580			914,052	877,580	
11/19/2023	941,496	941,496	970,863	29,366	74,666	0.393	4.00	941,496			914,052	941,496	
11/20/2023	960,900	960,900	970,863	9,963	74,666	0.133	4.00	960,900			914,052	960,900	
12/5/2023	1,111,096	1,111,096	970,863	140,233	74,666	1.878	4.00	1,111,096			1,033,497	1,111,096	
12/6/2023	1,247,690	1,247,690	970,863	276,827	74,666	3.708	4.00	1,247,690			1,033,497	1,247,690	
12/7/2023	1,133,984	1,133,984	970,863	163,121	74,666	2.185	4.00	1,133,984			1,033,497	1,133,984	
12/8/2023	1,033,497	1,033,497	970,863	62,635	74,666	0.839	4.00	1,033,497			1,033,497	1,033,497	
12/9/2023	1,027,730	1,027,730	970,863	56,868	74,666	0.762	4.00	1,027,730			1,033,497	1,027,730	
12/10/2023	946,538	946,538	970,863	24,325	74,666	0.326	4.00	946,538			1,033,497	946,538	
12/11/2023	864,935	864,935	970,863	105,927	74,666	1.419	4.00	864,935			1,033,497	864,935	
1/23/2024	1,073,800	1,073,800	970,863	102,937	74,666	1.379	4.00	1,073,800			1,073,800	1,073,800	
1/24/2024	1,107,087	1,107,087	970,863	136,224	74,666	1.824	4.00	1,107,087			1,073,800	1,107,087	
1/25/2024	932,366	932,366	970,863	38,497	74,666	0.516	4.00	932,366			1,073,800	932,366	
1/26/2024	1,044,378	1,044,378	970,863	73,515	74,666	0.985	4.00	1,044,378			1,073,800	1,044,378	
1/27/2024	1,181,357	1,181,357	970,863	210,495	74,666	2.819	4.00	1,181,357			1,073,800	1,181,357	
1/28/2024	1,064,141	1,064,141	970,863	93,278	74,666	1.249	4.00	1,064,141			1,073,800	1,064,141	
1/29/2024	1,135,862	1,135,862	970,863	165,000	74,666	2.210	4.00	1,135,862			1,073,800	1,135,862	
2/21/2024	1,229,098	1,229,098	970,863	258,236	74,666	3.459	4.00	1,229,098			1,105,845	1,229,098	
2/22/2024	1,252,424	1,252,424	970,863	281,561	74,666	3.771	4.00	1,252,424			1,105,845	1,252,424	
2/23/2024	1,399,954	1,399,954	970,863	429,091	74,666	5.747	4.00			1	1,105,845	1,399,954	
2/24/2024	991,790	991,790	970,863	20,928	74,666	0.280	4.00	991,790			1,105,845	991,790	
2/25/2024	825,410	825,410	970,863	145,452	74,666	1.948	4.00	825,410			1,105,845	825,410	
2/26/2024	1,131,771	1,131,771	970,863	160,908	74,666	2.155	4.00	1,131,771			1,105,845	1,131,771	
2/27/2024	1,079,919	1,079,919	970,863	109,057	74,666	1.461	4.00	1,079,919			1,105,845	1,079,919	
3/12/2024	1,076,903	1,076,903	970,863	106,040	74,666	1.420	4.00	1,076,903			1,024,400	1,076,903	
3/13/2024	969,301	969,301	970,863	1,562	74,666	0.021	4.00	969,301			1,024,400	969,301	
3/14/2024	886,636	886,636	970,863	84,226	74,666	1.128	4.00	886,636			1,024,400	886,636	
3/15/2024	1,024,400	1,024,400	970,863	53,538	74,666	0.717	4.00	1,024,400			1,024,400	1,024,400	
3/16/2024	1,007,301	1,007,301	970,863	36,438	74,666	0.488	4.00	1,007,301			1,024,400	1,007,301	
3/17/2024	1,043,637	1,043,637	970,863	72,774	74,666	0.975	4.00	1,043,637			1,024,400	1,043,637	
3/18/2024	1,116,130	1,116,130	970,863	145,267	74,666	1.946	4.00	1,116,130			1,024,400	1,116,130	
4/9/2024	1,005,375	1,005,375	970,863	34,513	74,666	0.462	4.00	1,005,375			968,997	1,005,375	
4/10/2024	968,997	968,997	970,863	1,865	74,666	0.025	4.00	968,997			968,997	968,997	
4/11/2024	886,663	886,663	970,863	84,199	74,666	1.128	4.00	886,663			968,997	886,663	
4/12/2024	951,291	951,291	970,863	19,572	74,666	0.262	4.00	951,291			968,997	951,291	
4/13/2024	1,006,833	1,006,833	970,863	35,971	74,666	0.482	4.00	1,006,833			968,997	1,006,833	
4/14/2024	968,691	968,691	970,863	2,171	74,666	0.029	4.00	968,691			968,997	968,691	
4/15/2024	1,037,126	1,037,126	970,863	66,263	74,666	0.887	4.00	1,037,126			968,997	1,037,126	
5/14/2024	1,093,060	1,093,060	970,863	122,197	74,666	1.637	4.00	1,093,060			909,115	1,093,060	
5/15/2024	998,265	998,265	970,863	27,402	74,666	0.367	4.00	998,265			909,115	998,265	
5/16/2024	819,665	819,665	970,863	151,198	74,666	2.025	4.00	819,665			909,115	819,665	
5/17/2024	874,822	874,822	970,863	96,040	74,666	1.286	4.00	874,822			909,115	874,822	
5/18/2024	948,099	948,099	970,863	22,763	74,666	0.305	4.00	948,099			909,115	948,099	
5/19/2024	905,445	905,445	970,863	65,417	74,666	0.876	4.00	905,445			909,115	905,445	
5/20/2024	909,115	909,115	970,863	61,748	74,666	0.827	4.00	909,115			909,115	909,115	
6/4/2024	866,574	866,574	970,863	104,288	74,666	1.397	4.00	866,574			956,686	866,574	
6/5/2024	920,629	920,629	970,863	50,233	74,666	0.673	4.00	920,629			956,686	920,629	
6/6/2024	956,686	956,686	970,863	14,177	74,666	0.190	4.00	956,686			956,686	956,686	
6/7/2024	928,466	928,466	970,863	42,397	74,666	0.568	4.00	928,466			956,686	928,466	
6/8/2024	1,049,808	1,049,808	970,863	78,945	74,666	1.057	4.00	1,049,808			956,686	1,049,808	

**CITY OF PHOENIX TSS LOADING TO 91<sup>ST</sup> AVENUE WWTP**

A FY/MONTH	B 91ST TSS Loading (lbs/day)	C GLENDALE TSS Loading (lbs/day)	D MESA TSS Loading (lbs/day)	E SCOTTSDALE TSS Loading (lbs/day)	F TEMPE TSS Loading (lbs/day)	G B-C-D-E-F PHOENIX TSS Loading (lbs/day)
2023-2024	448,608  100.0%	33,912  7.56%	68,826  15.34%	43,967  9.80%	36,237  8.08%	265,666  59.22%

TSS City of Phoenix 91ST Ave WWTP		AVERAGE LOADING= MEDIAN LOADING= PH00		453,995 444,031	LBS/DAY LBS/DAY	AVERAGE ROBUST LOADING= 448,112		Adjusted= 448,608								
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
Date	Loading lbs/day	Set Loading Sample Set lbs/day	Median lbs/day	Absolute Deviatior from Mediar lbs/day	MAD lbs/day	Z	Cut off Value	Outlier Monthly TSS lbs/day	HIGH	LOW	Replacement Values TSS Loading lbs/day	Composite Set TSS Loading lbs/day				
7/25/2023	425,922	425,922	444,031	18,109	52,876	0.342	2.70	425,922			413,959	425,922				
7/26/2023	400,746	400,746	444,031	43,285	52,876	0.819	2.70	400,746			413,959	400,746				
7/27/2023	498,852	498,852	444,031	54,821	52,876	1.037	2.70	498,852			413,959	498,852				
7/28/2023	413,959	413,959	444,031	30,072	52,876	0.569	2.70	413,959			413,959	413,959				
7/29/2023	445,581	445,581	444,031	1,550	52,876	0.029	2.70	445,581			413,959	445,581				
7/30/2023	389,263	389,263	444,031	54,768	52,876	1.036	2.70	389,263			413,959	389,263				
7/31/2023	381,026	381,026	444,031	63,005	52,876	1.192	2.70	381,026			413,959	381,026				
8/15/2023	386,661	386,661	444,031	57,370	52,876	1.085	2.70	386,661			468,183	386,661				
8/16/2023	557,811	557,811	444,031	113,780	52,876	2.152	2.70	557,811			468,183	557,811				
8/17/2023	564,422	564,422	444,031	120,391	52,876	2.277	2.70	564,422			468,183	564,422				
8/18/2023	624,892	624,892	444,031	180,861	52,876	3.420	2.70	624,892	1		468,183	624,892				
8/19/2023	462,927	462,927	444,031	18,896	52,876	0.357	2.70	462,927			468,183	462,927				
8/20/2023	433,882	433,882	444,031	10,150	52,876	0.192	2.70	433,882			468,183	433,882				
8/21/2023	473,438	473,438	444,031	29,407	52,876	0.556	2.70	473,438			468,183	473,438				
9/19/2023	392,978	392,978	444,031	51,053	52,876	0.966	2.70	392,978			433,376	392,978				
9/20/2023	433,376	433,376	444,031	10,656	52,876	0.202	2.70	433,376			433,376	433,376				
9/21/2023	438,292	438,292	444,031	5,739	52,876	0.109	2.70	438,292			433,376	438,292				
9/22/2023	480,913	480,913	444,031	36,882	52,876	0.698	2.70	480,913			433,376	480,913				
9/23/2023	333,274	333,274	444,031	110,757	52,876	2.095	2.70	333,274			433,376	333,274				
9/24/2023	381,431	381,431	444,031	62,600	52,876	1.184	2.70	381,431			433,376	381,431				
9/25/2023	451,611	451,611	444,031	7,580	52,876	0.143	2.70	451,611			433,376	451,611				
10/17/2023	494,762	494,762	444,031	50,730	52,876	0.959	2.70	494,762			405,392	494,762				
10/18/2023	438,109	438,109	444,031	5,923	52,876	0.112	2.70	438,109			405,392	438,109				
10/19/2023	405,392	405,392	444,031	38,639	52,876	0.731	2.70	405,392			405,392	405,392				
10/20/2023	465,551	465,551	444,031	21,520	52,876	0.407	2.70	465,551			405,392	465,551				
10/21/2023	393,645	393,645	444,031	50,386	52,876	0.953	2.70	393,645			405,392	393,645				
10/22/2023	348,284	348,284	444,031	95,747	52,876	1.811	2.70	348,284			405,392	348,284				
10/23/2023	344,521	344,521	444,031	99,510	52,876	1.882	2.70	344,521			405,392	344,521				
11/14/2023	341,522	341,522	444,031	102,510	52,876	1.939	2.70	341,522			372,858	341,522				
11/15/2023	397,023	397,023	444,031	47,008	52,876	0.889	2.70	397,023			372,858	397,023				
11/16/2023	373,367	373,367	444,031	70,664	52,876	1.336	2.70	373,367			372,858	373,367				
11/17/2023	288,009	288,009	444,031	156,022	52,876	2.951	2.70	288,009	1		372,858	288,009				
11/18/2023	355,146	355,146	444,031	88,886	52,876	1.681	2.70	355,146			372,858	355,146				
11/19/2023	427,085	427,085	444,031	16,947	52,876	0.320	2.70	427,085			372,858	427,085				
11/20/2023	372,349	372,349	444,031	71,683	52,876	1.356	2.70	372,349			372,858	372,349				
12/5/2023	498,731	498,731	444,031	54,699	52,876	1.034	2.70	498,731			515,032	498,731				
12/6/2023	568,947	568,947	444,031	124,915	52,876	2.362	2.70	568,947			515,032	568,947				
12/7/2023	564,472	564,472	444,031	120,441	52,876	2.278	2.70	564,472			515,032	564,472				
12/8/2023	410,908	410,908	444,031	33,123	52,876	0.626	2.70	410,908			515,032	410,908				
12/9/2023	517,672	517,672	444,031	73,640	52,876	1.393	2.70	517,672			515,032	517,672				
12/10/2023	512,393	512,393	444,031	68,361	52,876	1.293	2.70	512,393			515,032	512,393				
12/11/2023	606,708	606,708	444,031	162,677	52,876	3.077	2.70	606,708	1		515,032	606,708				
1/23/2024	546,296	546,296	444,031	102,264	52,876	1.934	2.70	546,296			497,565	546,296				
1/24/2024	540,519	540,519	444,031	96,488	52,876	1.825	2.70	540,519			497,565	540,519				
1/25/2024	559,419	559,419	444,031	115,388	52,876	2.182	2.70	559,419			497,565	559,419				
1/26/2024	454,611	454,611	444,031	10,580	52,876	0.200	2.70	454,611			497,565	454,611				
1/27/2024	612,601	612,601	444,031	168,570	52,876	3.188	2.70	612,601	1		497,565	612,601				
1/28/2024	452,909	452,909	444,031	8,878	52,876	0.168	2.70	452,909			497,565	452,909				
1/29/2024	408,162	408,162	444,031	35,870	52,876	0.678	2.70	408,162			497,565	408,162				
2/21/2024	558,011	558,011	444,031	113,979	52,876	2.156	2.70	558,011			523,074	558,011				
2/22/2024	526,018	526,018	444,031	81,987	52,876	1.551	2.70	526,018			523,074	526,018				
2/23/2024	523,074	523,074	444,031	79,043	52,876	1.495	2.70	523,074			523,074	523,074				
2/24/2024	514,491	514,491	444,031	70,460	52,876	1.333	2.70	514,491			523,074	514,491				
2/25/2024	421,594	421,594	444,031	22,437	52,876	0.424	2.70	421,594			523,074	421,594				
2/26/2024	511,248	511,248	444,031	67,217	52,876	1.271	2.70	511,248			523,074	511,248				
2/27/2024	542,531	542,531	444,031	98,500	52,876	1.863	2.70	542,531			523,074	542,531				
3/12/2024	513,695	513,695	444,031	69,664	52,876	1.317	2.70	513,695			428,729	513,695				
3/13/2024	428,729	428,729	444,031	15,302	52,876	0.289	2.70	428,729			428,729	428,729				
3/14/2024	382,978	382,978	444,031	61,054	52,876	1.155	2.70	382,978			428,729	382,978				
3/15/2024	383,525	383,525	444,031	60,506	52,876	1.144	2.70	383,525			428,729	383,525				
3/16/2024	443,212	443,212	444,031	819	52,876	0.015	2.70	443,212			428,729	443,212				
3/17/2024	412,425	412,425	444,031	31,606	52,876	0.598	2.70	412,425			428,729	412,425				
3/18/2024	474,676	474,676	444,031	30,645	52,876	0.580	2.70	474,676			428,729	474,676				
4/9/2024	525,983	525,983	444,031	81,952	52,876	1.550	2.70	525,983			428,573	525,983				
4/10/2024	350,514	350,514	444,031	93,517	52,876	1.769	2.70	350,514			428,573	350,514				
4/11/2024	430,151	430,151	444,031	13,880	52,876	0.262	2.70	430,151			428,573	430,151				
4/12/2024	575,653	575,653	444,031	131,622	52,876	2.489	2.70	575,653			428,573	575,653				
4/13/2024	426,994	426,994	444,031	17,037	52,876	0.322	2.70	426,994			428,573	426,994				
4/14/2024	415,326	415,326	444,031	28,705	52,876	0.543	2.70	415,326			428,573	415,326				
4/15/2024	602,521	602,521	444,031	158,490	52,876	2.997	2.70	602,521	1		428,573	602,521				
5/14/2024	444,850	444,850	444,031	819	52,876	0.015	2.70	444,850			444,850	444,850				
5/15/2024	492,733	492,733	444,031	48,702	52,876	0.921	2.70	492,733			444,850	492,733				
5/16/2024	347,077	347,077	444,031	96,955	52,876	1.834	2.70	347,077			444,850	347,077				
5/17/2024	489,639	489,639	444,031	45,608	52,876	0.863	2.70	489,639			444,850	489,639				
5/18/2024	468,925	468,925	444,031	24,894	52,876	0.471	2.70	468,925			444,850	468,925				
5/19/2024	352,118	352,118	444,031	91,914	52,876	1.738	2.70	352,118			444,850	352,118				
5/20/2024	436,375	436,375	444,031	7,656	52,876	0.145	2.70	436,375			444,850	436,375				
6/4/2024	363,699	363,699	444,031	80,333	52,876	1.519	2.70	363,699			447,315	363,699				
6/5/2024	472,151	472,151	444,031	28,120	52,876	0.532	2.70	472,151			447,315	472,151				
6/6/2024	477,032	477,032	444,031	33,001	52,87											

## SROG CITY FLOWS TO 91<sup>ST</sup> AVE WWTP

A	B	C	D	E (D-C) < 0	F C/D
FY/MONTH	PERIOD	SROG Flows (MGD)	SROG OWNERSHIP (MGD)	OWNERSHIP DEFICIT (MGD)	TOTAL CAPACI- TY IN USE (%)
2023-2024		153.23	204.50		
Jul-23	07/01/2023-07/31/2023	139.52	204.50		68.2%
Aug-23	08/01/2023-08/31/2023	157.36	204.50		76.9%
Sep-23	09/01/2023-09/30/2023	155.66	204.50		76.1%
Oct-23	10/01/2023-10/31/2023	149.83	204.50		73.3%
Nov-23	11/01/2023-11/30/2023	172.15	204.50		84.2%
Dec-23	12/01/2023-12/31/2023	151.42	204.50		74.0%
Jan-24	01/01/2024-01/31/2024	144.99	204.50		70.9%
Feb-24	02/01/2024-02/29/2024	159.72	204.50		78.1%
Mar-24	03/01/2024-03/31/2024	153.53	204.50		75.1%
Apr-24	04/01/2024-04/30/2024	147.06	204.50		71.9%
May-24	05/01/2024-05/31/2024	151.46	204.50		74.1%
Jun-24	06/01/2024-06/30/2024	152.03	204.50		74.3%

\* SROG FLOW =TOTAL INFLUENT TO THE 91ST AVENUE WWTP

\* SOURCE: "SROG MONTHLY FLOW REPORTS"



**SROG COD LOADING TO 91<sup>ST</sup> AVENUE WWTP**

A	B	C	D (C-B) < 0	E B/C
FY/MONTH	SROG COD Loadings (lbs/day)	SROG COD OWNERSHIP (lbs/day)	COD OWNERSHIP DEFICIT (lbs/day)	TOTAL CAPACI- TY IN USE (%)
2023-20204	981,873	1,186,000		82.8%
Jul-23	846,320	1,186,000		71.4%
Aug-23	1,072,007	1,186,000		90.4%
Sep-23	936,788	1,186,000		79.0%
Oct-23	912,814	1,186,000		77.0%
Nov-23	910,485	1,186,000		76.8%
Dec-23	1,052,210	1,186,000		88.7%
Jan-24	1,076,999	1,186,000		90.8%
Feb-24	1,088,037	1,186,000		91.7%
Mar-24	1,017,758	1,186,000		85.8%
Apr-24	974,997	1,186,000		82.2%
May-24	935,496	1,186,000		78.9%
Jun-24	958,562	1,186,000		80.8%

<b>DATE</b>	<b>PH00 Daily Flow mgd</b>	<b>Sampled COD Conc (mg/l)</b>	<b>Final Adjusted PH00 Loading (lbs/day)</b>
Sat 7/1/2023	135.89	830	940,653
Sun 7/2/2023	131.03	790	863,329
Mon 7/3/2023	132.47	780	861,716
Tue 7/4/2023	130.76	850	926,962
Wed 7/5/2023	133.42	700	778,902
Thu 7/6/2023	136.99	870	993,992
Fri 7/7/2023	135.05	800	901,081
Sat 7/8/2023	132.06	730	803,980
Sun 7/9/2023	131.88	770	846,878
Mon 7/10/2023	138.10	870	1,002,015
Tue 7/11/2023	140.43	560	655,863
Wed 7/12/2023	136.22	570	647,564
Thu 7/13/2023	137.37	980	1,122,759
Fri 7/14/2023	137.68	800	918,612
Sat 7/15/2023	132.70	860	951,801
Sun 7/16/2023	134.79	700	786,882
Mon 7/17/2023	142.01	720	852,751
Tue 7/18/2023	141.07	890	1,047,135
Wed 7/19/2023	139.82	770	897,877
Thu 7/20/2023	141.46	740	873,050
Fri 7/21/2023	139.06	790	916,215
Sat 7/22/2023	136.62	660	751,991
Sun 7/23/2023	137.40	760	870,908
Mon 7/24/2023	145.52	630	764,616
Tue 7/25/2023	149.33	590	734,777
Wed 7/26/2023	147.40	710	872,791
Thu 7/27/2023	154.96	610	788,341
Fri 7/28/2023	149.06	720	895,046
Sat 7/29/2023	146.38	740	903,370
Sun 7/30/2023	146.31	650	793,169
Mon 7/31/2023	151.78	740	936,742
Tue 8/1/2023	160.47	610	816,400
Wed 8/2/2023	155.47	620	803,880
Thu 8/3/2023	151.48	610	770,656
Fri 8/4/2023	150.41	710	890,658
Sat 8/5/2023	151.33	830	1,047,506
Sun 8/6/2023	154.93	700	904,507
Mon 8/7/2023	162.31	710	961,097
Tue 8/8/2023	157.88	790	1,040,203
Wed 8/9/2023	156.96	700	916,360
Thu 8/10/2023	158.45	730	964,678
Fri 8/11/2023	156.46	720	939,486
Sat 8/12/2023	154.88	820	1,059,202
Sun 8/13/2023	155.68	700	908,884
Mon 8/14/2023	159.27	860	1,142,342
Tue 8/15/2023	155.06	870	1,125,068
Wed 8/16/2023	158.87	650	861,229
Thu 8/17/2023	157.75	870	1,144,632
Fri 8/18/2023	155.45	950	1,231,634
Sat 8/19/2023	156.36	760	991,055
Sun 8/20/2023	156.70	770	1,006,292
Mon 8/21/2023	157.69	870	1,144,142
Tue 8/22/2023	156.12	780	1,015,563
Wed 8/23/2023	154.78	720	929,419
Thu 8/24/2023	155.32	780	1,010,356
Fri 8/25/2023	154.82	720	929,650
Sat 8/26/2023	156.45	720	939,475
Sun 8/27/2023	160.85	710	952,447
Mon 8/28/2023	163.24	550	748,767
Tue 8/29/2023	175.96	800	1,173,999
Wed 8/30/2023	159.98	740	987,343
Thu 8/31/2023	156.80	850	1,111,559

<b>DATE</b>	<b>PH00 Daily Flow mgd</b>	<b>Sampled COD Conc (mg/l)</b>	<b>Final Adjusted PH00 Loading (lbs/day)</b>
Fri 9/1/2023	167.08	770	1,072,933
Sat 9/2/2023	153.31	800	1,022,864
Sun 9/3/2023	150.43	750	940,942
Mon 9/4/2023	156.13	550	716,166
Tue 9/5/2023	161.21	590	793,273
Wed 9/6/2023	158.64	800	1,058,423
Thu 9/7/2023	156.06	700	911,107
Fri 9/8/2023	153.19	840	1,073,180
Sat 9/9/2023	154.63	720	928,535
Sun 9/10/2023	155.66	630	817,892
Mon 9/11/2023	157.45	690	906,041
Tue 9/12/2023	158.83	770	1,019,959
Wed 9/13/2023	163.10	880	1,197,028
Thu 9/14/2023	155.64	710	921,587
Fri 9/15/2023	153.61	730	935,219
Sat 9/16/2023	153.37	630	805,847
Sun 9/17/2023	155.70	810	1,051,788
Mon 9/18/2023	157.67	800	1,051,984
Tue 9/19/2023	152.99	720	918,650
Wed 9/20/2023	151.94	800	1,013,744
Thu 9/21/2023	152.77	870	1,108,471
Fri 9/22/2023	152.55	730	928,747
Sat 9/23/2023	150.80	720	905,500
Sun 9/24/2023	153.47	570	729,583
Mon 9/25/2023	156.50	730	952,820
Tue 9/26/2023	154.39	790	1,017,237
Wed 9/27/2023	155.69	710	921,876
Thu 9/28/2023	154.51	660	850,478
Fri 9/29/2023	155.56	740	960,029
Sat 9/30/2023	157.05	650	851,366
Sun 10/1/2023	149.31	570	709,808
Mon 10/2/2023	152.17	750	951,849
Tue 10/3/2023	149.24	720	896,162
Wed 10/4/2023	149.26	740	921,170
Thu 10/5/2023	151.03	1000	1,259,615
Fri 10/6/2023	146.93	850	1,041,604
Sat 10/7/2023	144.90	690	833,856
Sun 10/8/2023	144.01	900	1,080,917
Mon 10/9/2023	146.43	700	854,867
Tue 10/10/2023	146.90	770	943,347
Wed 10/11/2023	146.65	840	1,027,392
Thu 10/12/2023	146.73	780	954,490
Fri 10/13/2023	145.95	820	998,097
Sat 10/14/2023	148.81	700	868,759
Sun 10/15/2023	150.52	700	878,712
Mon 10/16/2023	153.99	740	950,353
Tue 10/17/2023	151.72	760	961,685
Wed 10/18/2023	151.82	770	974,982
Thu 10/19/2023	150.03	610	763,238
Fri 10/20/2023	151.69	800	1,012,067
Sat 10/21/2023	150.32	340	426,240
Sun 10/22/2023	150.22	570	714,107
Mon 10/23/2023	153.00	780	995,283
Tue 10/24/2023	151.32	590	744,565
Wed 10/25/2023	151.70	530	670,524
Thu 10/26/2023	151.10	640	806,506
Fri 10/27/2023	152.38	720	915,006
Sat 10/28/2023	152.42	540	686,455
Sun 10/29/2023	150.71	680	854,727
Mon 10/30/2023	153.00	570	727,331
Tue 10/31/2023	150.36	780	978,125

DATE	PH00	Sampled	Final Adjusted
	Daily Flow mgd	COD Conc (mg/l)	PH00 Loading (lbs/day)
Wed 11/1/2023	153.06	580	740,381
Thu 11/2/2023	157.64	700	920,281
Fri 11/3/2023	175.73	630	923,337
Sat 11/4/2023	188.12	610	957,043
Sun 11/5/2023	189.77	460	728,023
Mon 11/6/2023	191.22	900	1,435,277
Tue 11/7/2023	189.53	770	1,217,101
Wed 11/8/2023	189.38	650	1,026,652
Thu 11/9/2023	186.94	680	1,060,160
Fri 11/10/2023	186.38	640	994,844
Sat 11/11/2023	188.12	490	768,765
Sun 11/12/2023	190.12	470	745,231
Mon 11/13/2023	192.03	520	832,783
Tue 11/14/2023	189.58	540	853,804
Wed 11/15/2023	188.91	540	850,763
Thu 11/16/2023	185.76	590	914,052
Fri 11/17/2023	177.09	660	974,801
Sat 11/18/2023	164.41	640	877,580
Sun 11/19/2023	163.61	690	941,496
Mon 11/20/2023	160.02	720	960,900
Tue 11/21/2023	157.13	1200	1,572,510
Wed 11/22/2023	158.21	720	949,990
Thu 11/23/2023	161.17	760	1,021,583
Fri 11/24/2023	139.92	890	1,038,561
Sat 11/25/2023	152.48	760	966,465
Sun 11/26/2023	155.35	780	1,010,551
Mon 11/27/2023	158.65	730	965,884
Tue 11/28/2023	157.24	760	996,654
Wed 11/29/2023	157.57	690	906,724
Thu 11/30/2023	159.53	730	971,226
Fri 12/1/2023	154.42	940	1,210,612
Sat 12/2/2023	154.25	770	990,586
Sun 12/3/2023	152.78	800	1,019,339
Mon 12/4/2023	153.19	840	1,073,210
Tue 12/5/2023	151.39	880	1,111,096
Wed 12/6/2023	149.60	1000	1,247,690
Thu 12/7/2023	151.08	900	1,133,984
Fri 12/8/2023	149.30	830	1,033,497
Sat 12/9/2023	152.13	810	1,027,730
Sun 12/10/2023	151.33	750	946,538
Mon 12/11/2023	150.30	690	864,935
Tue 12/12/2023	149.34	840	1,046,224
Wed 12/13/2023	154.10	760	976,778
Thu 12/14/2023	146.75	660	807,767
Fri 12/15/2023	146.79	670	820,239
Sat 12/16/2023	145.63	790	959,474
Sun 12/17/2023	145.98	730	888,727
Mon 12/18/2023	147.38	790	971,016
Tue 12/19/2023	148.04	980	1,209,939
Wed 12/20/2023	146.15	760	926,340
Thu 12/21/2023	152.04	800	1,014,397
Fri 12/22/2023	166.88	860	1,196,913
Sat 12/23/2023	165.06	710	977,389
Sun 12/24/2023	159.27	730	969,638
Mon 12/25/2023	138.79	810	937,562
Tue 12/26/2023	149.95	800	1,000,461
Wed 12/27/2023	154.28	520	669,061
Thu 12/28/2023	152.74	640	815,284
Fri 12/29/2023	148.17	840	1,038,001
Sat 12/30/2023	147.55	770	947,510
Sun 12/31/2023	159.47	640	851,163

DATE	PH00	Sampled	
	Daily Flow mgd	COD Conc (mg/l)	Final Adjusted PH00 Loading (lbs/day)
Mon 1/1/2024	149.43	660	822,542
Tue 1/2/2024	150.72	870	1,093,616
Wed 1/3/2024	142.06	800	947,816
Thu 1/4/2024	146.35	640	781,169
Fri 1/5/2024	145.67	760	923,286
Sat 1/6/2024	142.42	860	1,021,471
Sun 1/7/2024	140.64	730	856,244
Mon 1/8/2024	145.29	780	945,122
Tue 1/9/2024	140.25	820	959,155
Wed 1/10/2024	143.60	680	814,394
Thu 1/11/2024	139.53	840	977,489
Fri 1/12/2024	139.94	790	922,001
Sat 1/13/2024	139.28	880	1,022,196
Sun 1/14/2024	138.91	840	973,160
Mon 1/15/2024	142.68	800	951,956
Tue 1/16/2024	142.68	920	1,094,769
Wed 1/17/2024	139.36	960	1,115,739
Thu 1/18/2024	140.54	730	855,646
Fri 1/19/2024	140.37	830	971,639
Sat 1/20/2024	140.16	820	958,560
Sun 1/21/2024	139.64	920	1,071,435
Mon 1/22/2024	145.83	800	973,004
Tue 1/23/2024	160.94	800	1,073,800
Wed 1/24/2024	156.17	850	1,107,087
Thu 1/25/2024	153.14	730	932,366
Fri 1/26/2024	147.32	850	1,044,378
Sat 1/27/2024	146.03	970	1,181,357
Sun 1/28/2024	155.60	820	1,064,141
Mon 1/29/2024	149.66	910	1,135,862
Tue 1/30/2024	146.89	870	1,065,819
Wed 1/31/2024	143.70	870	1,042,671
Thu 2/1/2024	150.63	860	1,080,408
Fri 2/2/2024	165.72	800	1,105,690
Sat 2/3/2024	152.29	800	1,016,076
Sun 2/4/2024	157.10	840	1,100,552
Mon 2/5/2024	165.06	790	1,087,544
Tue 2/6/2024	163.59	880	1,200,645
Wed 2/7/2024	169.98	720	1,020,703
Thu 2/8/2024	169.50	830	1,173,295
Fri 2/9/2024	166.59	800	1,111,474
Sat 2/10/2024	166.21	600	831,695
Sun 2/11/2024	168.50	570	801,020
Mon 2/12/2024	164.28	780	1,068,701
Tue 2/13/2024	164.83	770	1,058,521
Wed 2/14/2024	161.05	750	1,007,390
Thu 2/15/2024	165.28	810	1,116,549
Fri 2/16/2024	164.70	890	1,222,531
Sat 2/17/2024	162.93	710	964,783
Sun 2/18/2024	164.64	680	933,686
Mon 2/19/2024	167.84	850	1,189,829
Tue 2/20/2024	161.96	760	1,026,542
Wed 2/21/2024	147.37	1000	1,229,098
Thu 2/22/2024	150.17	1000	1,252,424
Fri 2/23/2024	152.60	1100	1,399,954
Sat 2/24/2024	148.65	800	991,790
Sun 2/25/2024	152.26	650	825,410
Mon 2/26/2024	155.98	870	1,131,771
Tue 2/27/2024	154.15	840	1,079,919
Wed 2/28/2024	153.74	810	1,038,578
Thu 2/29/2024	144.28	720	866,364

DATE	PH00	Sampled	Final Adjusted
	Daily Flow <u>mgd</u>	COD Conc <u>(mg/l)</u>	PH00 Loading <u>(lbs/day)</u>
Fri 3/1/2024	151.29	1000	1,261,739
Sat 3/2/2024	163.31	760	1,035,121
Sun 3/3/2024	154.15	710	912,791
Mon 3/4/2024	152.58	940	1,196,174
Tue 3/5/2024	149.33	920	1,145,772
Wed 3/6/2024	150.04	910	1,138,747
Thu 3/7/2024	151.87	1000	1,266,601
Fri 3/8/2024	151.70	860	1,088,045
Sat 3/9/2024	153.16	800	1,021,868
Sun 3/10/2024	152.22	860	1,091,756
Mon 3/11/2024	152.72	840	1,069,889
Tue 3/12/2024	148.42	870	1,076,903
Wed 3/13/2024	149.00	780	969,301
Thu 3/14/2024	147.65	720	886,636
Fri 3/15/2024	149.79	820	1,024,400
Sat 3/16/2024	150.97	800	1,007,301
Sun 3/17/2024	150.77	830	1,043,637
Mon 3/18/2024	153.83	870	1,116,130
Tue 3/19/2024	154.22	710	913,221
Wed 3/20/2024	153.89	770	988,265
Thu 3/21/2024	155.19	770	996,569
Fri 3/22/2024	151.91	1000	1,266,954
Sat 3/23/2024	178.06	760	1,128,589
Sun 3/24/2024	159.35	860	1,142,896
Mon 3/25/2024	156.58	760	992,448
Tue 3/26/2024	157.00	940	1,230,813
Wed 3/27/2024	153.08	890	1,136,245
Thu 3/28/2024	151.07	910	1,146,532
Fri 3/29/2024	152.42	880	1,118,614
Sat 3/30/2024	151.91	820	1,038,913
Sun 3/31/2024	151.83	730	924,352
Mon 4/1/2024	161.63	720	970,560
Tue 4/2/2024	147.27	830	1,019,460
Wed 4/3/2024	146.42	940	1,147,858
Thu 4/4/2024	146.90	740	906,584
Fri 4/5/2024	146.09	1000	1,218,410
Sat 4/6/2024	144.40	850	1,023,657
Sun 4/7/2024	144.33	760	914,839
Mon 4/8/2024	147.11	840	1,030,573
Tue 4/9/2024	147.01	820	1,005,375
Wed 4/10/2024	143.44	810	968,997
Thu 4/11/2024	143.67	740	886,663
Fri 4/12/2024	146.24	780	951,291
Sat 4/13/2024	145.45	830	1,006,833
Sun 4/14/2024	145.19	800	968,691
Mon 4/15/2024	148.04	840	1,037,126
Tue 4/16/2024	150.47	830	1,041,579
Wed 4/17/2024	151.15	890	1,121,920
Thu 4/18/2024	146.55	860	1,051,138
Fri 4/19/2024	147.46	840	1,033,046
Sat 4/20/2024	147.67	860	1,059,142
Sun 4/21/2024	146.15	720	877,614
Mon 4/22/2024	149.87	770	962,437
Tue 4/23/2024	146.23	680	829,320
Wed 4/24/2024	147.59	860	1,058,603
Thu 4/25/2024	147.80	840	1,035,449
Fri 4/26/2024	146.54	920	1,124,358
Sat 4/27/2024	144.23	840	1,010,433
Sun 4/28/2024	142.85	750	893,507
Mon 4/29/2024	146.75	840	1,028,069
Tue 4/30/2024	147.15	800	981,802

DATE	PH00	Sampled	
	Daily Flow <u>mgd</u>	COD Conc <u>(mg/l)</u>	Final Adjusted PH00 Loading <u>(lbs/day)</u>
Wed 5/1/2024	151.74	780	987,080
Thu 5/2/2024	151.56	900	1,137,643
Fri 5/3/2024	152.01	920	1,166,350
Sat 5/4/2024	151.11	800	1,008,195
Sun 5/5/2024	150.62	820	1,030,093
Mon 5/6/2024	154.15	800	1,028,478
Tue 5/7/2024	151.93	800	1,013,675
Wed 5/8/2024	154.19	820	1,054,446
Thu 5/9/2024	151.13	840	1,058,728
Fri 5/10/2024	149.30	830	1,033,475
Sat 5/11/2024	148.59	780	966,629
Sun 5/12/2024	148.32	830	1,026,680
Mon 5/13/2024	152.47	830	1,055,410
Tue 5/14/2024	152.40	860	1,093,060
Wed 5/15/2024	153.46	780	998,265
Thu 5/16/2024	153.56	640	819,665
Fri 5/17/2024	156.56	670	874,822
Sat 5/18/2024	153.62	740	948,099
Sun 5/19/2024	150.79	720	905,445
Mon 5/20/2024	155.72	700	909,115
Tue 5/21/2024	152.81	820	1,045,064
Wed 5/22/2024	153.42	780	998,008
Thu 5/23/2024	151.56	770	973,310
Fri 5/24/2024	151.68	810	1,024,642
Sat 5/25/2024	147.09	750	920,051
Sun 5/26/2024	141.76	660	780,283
Mon 5/27/2024	146.83	760	930,688
Tue 5/28/2024	151.42	780	985,008
Wed 5/29/2024	150.05	800	1,001,137
Thu 5/30/2024	148.96	840	1,043,526
Fri 5/31/2024	156.50	590	770,061
Sat 6/1/2024	152.69	690	878,654
Sun 6/2/2024	152.26	580	736,514
Mon 6/3/2024	157.45	730	958,575
Tue 6/4/2024	157.43	660	866,574
Wed 6/5/2024	157.70	700	920,629
Thu 6/6/2024	157.14	730	956,686
Fri 6/7/2024	159.04	700	928,466
Sat 6/8/2024	151.66	830	1,049,808
Sun 6/9/2024	152.18	800	1,015,350
Mon 6/10/2024	155.46	750	972,424
Tue 6/11/2024	156.89	770	1,007,501
Wed 6/12/2024	157.54	780	1,024,834
Thu 6/13/2024	158.51	740	978,262
Fri 6/14/2024	156.04	650	845,883
Sat 6/15/2024	152.86	760	968,899
Sun 6/16/2024	150.84	680	855,426
Mon 6/17/2024	156.19	740	963,933
Tue 6/18/2024	156.08	780	1,015,328
Wed 6/19/2024	157.42	770	1,010,895
Thu 6/20/2024	156.85	700	915,681
Fri 6/21/2024	159.69	800	1,065,448
Sat 6/22/2024	157.38	840	1,102,532
Sun 6/23/2024	157.15	720	943,672
Mon 6/24/2024	162.33	610	825,859
Tue 6/25/2024	165.09	800	1,101,479
Wed 6/26/2024	162.83	740	1,004,901
Thu 6/27/2024	162.52	770	1,043,688
Fri 6/28/2024	161.97	820	1,107,689
Sat 6/29/2024	159.58	800	1,064,711
Sun 6/30/2024	159.30	620	823,730

## SROG CITY TSS LOADINGS TO 91<sup>ST</sup> AVENUE WWTP

A	C	D	E (D-C) < 0	F C/D
FY/MONTH	SROG TSS Loadings (lbs/day)	SROG TSS OWNERSHIP (lbs/day)	TSS OWNERSHIP DEFICIT (lbs/day)	TOTAL CAPACI- TY IN USE (%)
2023-2024	448,608	611,600		73.3%
Jul-23	422,193	611,600		69.0%
Aug-23	478,189	611,600		78.2%
Sep-23	415,982	611,600		68.0%
Oct-23	412,895	611,600		67.5%
Nov-23	377,050	611,600		61.6%
Dec-23	512,593	611,600		83.8%
Jan-24	494,212	611,600		80.8%
Feb-24	513,852	611,600		84.0%
Mar-24	434,177	611,600		71.0%
Apr-24	450,456	611,600		73.7%
May-24	433,102	611,600		70.8%
Jun-24	438,592	611,600		71.7%



<b>DATE</b>	<b>PH00 Daily Flow mgd</b>	<b>Sampled TSS Conc (mg/l)</b>	<b>Final Adjusted PH00 Loading (lbs/day)</b>
Sat 7/1/2023	135.89	332	376,261
Sun 7/2/2023	131.03	309	337,682
Mon 7/3/2023	132.47	340	375,620
Tue 7/4/2023	130.76	324	353,336
Wed 7/5/2023	133.42	305	339,379
Thu 7/6/2023	136.99	344	393,027
Fri 7/7/2023	135.05	383	431,393
Sat 7/8/2023	132.06	366	403,092
Sun 7/9/2023	131.88	324	356,349
Mon 7/10/2023	138.10	340	391,592
Tue 7/11/2023	140.43	385	450,906
Wed 7/12/2023	136.22	334	379,450
Thu 7/13/2023	137.37	383	438,793
Fri 7/14/2023	137.68	320	367,445
Sat 7/15/2023	132.70	326	360,799
Sun 7/16/2023	134.79	262	294,519
Mon 7/17/2023	142.01	300	355,313
Tue 7/18/2023	141.07	302	355,320
Wed 7/19/2023	139.82	379	441,942
Thu 7/20/2023	141.46	366	431,806
Fri 7/21/2023	139.06	367	425,634
Sat 7/22/2023	136.62	336	382,832
Sun 7/23/2023	137.40	395	452,643
Mon 7/24/2023	145.52	347	421,146
Tue 7/25/2023	149.33	342	425,922
Wed 7/26/2023	147.40	326	400,746
Thu 7/27/2023	154.96	386	498,852
Fri 7/28/2023	149.06	333	413,959
Sat 7/29/2023	146.38	365	445,581
Sun 7/30/2023	146.31	319	389,263
Mon 7/31/2023	151.78	301	381,026
Tue 8/1/2023	160.47	244	326,560
Wed 8/2/2023	155.47	290	376,008
Thu 8/3/2023	151.48	286	361,324
Fri 8/4/2023	150.41	295	370,062
Sat 8/5/2023	151.33	322	406,382
Sun 8/6/2023	154.93	253	326,915
Mon 8/7/2023	162.31	263	356,012
Tue 8/8/2023	157.88	324	426,615
Wed 8/9/2023	156.96	212	277,526
Thu 8/10/2023	158.45	262	346,227
Fri 8/11/2023	156.46	318	414,939
Sat 8/12/2023	154.88	367	474,058
Sun 8/13/2023	155.68	286	371,344
Mon 8/14/2023	159.27	353	468,892
Tue 8/15/2023	155.06	299	386,661
Wed 8/16/2023	158.87	421	557,811
Thu 8/17/2023	157.75	429	564,422
Fri 8/18/2023	155.45	482	624,892
Sat 8/19/2023	156.36	355	462,927
Sun 8/20/2023	156.70	332	433,882
Mon 8/21/2023	157.69	360	473,438
Tue 8/22/2023	156.12	362	471,326
Wed 8/23/2023	154.78	339	437,601
Thu 8/24/2023	155.32	352	455,956
Fri 8/25/2023	154.82	368	475,155
Sat 8/26/2023	156.45	355	463,213
Sun 8/27/2023	160.85	290	389,028
Mon 8/28/2023	163.24	278	378,468
Tue 8/29/2023	175.96	268	393,290
Wed 8/30/2023	159.98	331	441,636
Thu 8/31/2023	156.80	336	439,393

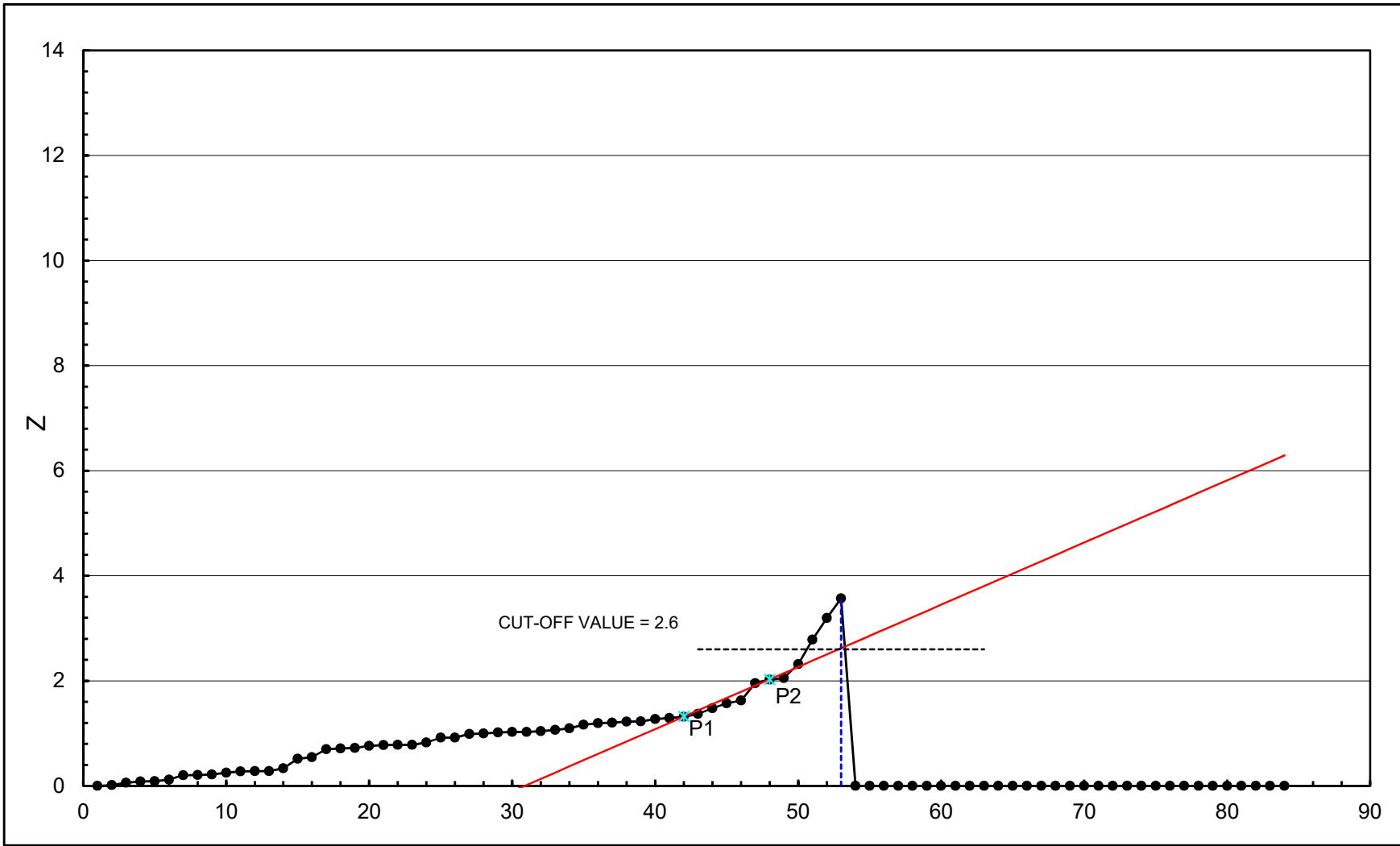
DATE	PH00	Sampled	Final Adjusted
	Daily Flow <u>mgd</u>	TSS Conc <u>(mg/l)</u>	PH00 Loading <u>(lbs/day)</u>
Fri 9/1/2023	167.08	376	523,926
Sat 9/2/2023	153.31	440	562,575
Sun 9/3/2023	150.43	281	352,539
Mon 9/4/2023	156.13	231	300,790
Tue 9/5/2023	161.21	223	299,830
Wed 9/6/2023	158.64	333	440,569
Thu 9/7/2023	156.06	288	374,856
Fri 9/8/2023	153.19	428	546,811
Sat 9/9/2023	154.63	335	432,027
Sun 9/10/2023	155.66	236	306,385
Mon 9/11/2023	157.45	326	428,071
Tue 9/12/2023	158.83	277	366,920
Wed 9/13/2023	163.10	364	495,135
Thu 9/14/2023	155.64	346	449,111
Fri 9/15/2023	153.61	303	388,180
Sat 9/16/2023	153.37	196	250,708
Sun 9/17/2023	155.70	290	376,566
Mon 9/18/2023	157.67	313	411,589
Tue 9/19/2023	152.99	308	392,978
Wed 9/20/2023	151.94	342	433,376
Thu 9/21/2023	152.77	344	438,292
Fri 9/22/2023	152.55	378	480,913
Sat 9/23/2023	150.80	265	333,274
Sun 9/24/2023	153.47	298	381,431
Mon 9/25/2023	156.50	346	451,611
Tue 9/26/2023	154.39	327	421,059
Wed 9/27/2023	155.69	280	363,557
Thu 9/28/2023	154.51	280	360,809
Fri 9/29/2023	155.56	253	328,226
Sat 9/30/2023	157.05	432	565,831
Sun 10/1/2023	149.31	260	323,772
Mon 10/2/2023	152.17	296	375,663
Tue 10/3/2023	149.24	388	482,932
Wed 10/4/2023	149.26	329	409,547
Thu 10/5/2023	151.03	373	469,836
Fri 10/6/2023	146.93	331	405,613
Sat 10/7/2023	144.90	338	408,469
Sun 10/8/2023	144.01	357	428,764
Mon 10/9/2023	146.43	242	295,540
Tue 10/10/2023	146.90	462	566,008
Wed 10/11/2023	146.65	378	462,326
Thu 10/12/2023	146.73	338	413,612
Fri 10/13/2023	145.95	343	417,497
Sat 10/14/2023	148.81	272	337,575
Sun 10/15/2023	150.52	298	374,080
Mon 10/16/2023	153.99	349	448,207
Tue 10/17/2023	151.72	391	494,762
Wed 10/18/2023	151.82	346	438,109
Thu 10/19/2023	150.03	324	405,392
Fri 10/20/2023	151.69	368	465,551
Sat 10/21/2023	150.32	314	393,645
Sun 10/22/2023	150.22	278	348,284
Mon 10/23/2023	153.00	270	344,521
Tue 10/24/2023	151.32	328	413,928
Wed 10/25/2023	151.70	225	284,657
Thu 10/26/2023	151.10	326	410,814
Fri 10/27/2023	152.38	274	348,211
Sat 10/28/2023	152.42	216	274,582
Sun 10/29/2023	150.71	392	492,725
Mon 10/30/2023	153.00	234	298,589
Tue 10/31/2023	150.36	194	243,277

DATE	PH00	Sampled	Final Adjusted
	Daily Flow <u>mgd</u>	TSS Conc <u>(mg/l)</u>	PH00 Loading <u>(lbs/day)</u>
Wed 11/1/2023	153.06	274	349,766
Thu 11/2/2023	157.64	339	445,679
Fri 11/3/2023	175.73	326	477,790
Sat 11/4/2023	188.12	261	409,489
Sun 11/5/2023	189.77	269	425,735
Mon 11/6/2023	191.22	290	462,478
Tue 11/7/2023	189.53	342	540,582
Wed 11/8/2023	189.38	322	508,588
Thu 11/9/2023	186.94	280	436,537
Fri 11/10/2023	186.38	298	463,224
Sat 11/11/2023	188.12	200	313,781
Sun 11/12/2023	190.12	289	458,238
Mon 11/13/2023	192.03	205	328,309
Tue 11/14/2023	189.58	216	341,522
Wed 11/15/2023	188.91	252	397,023
Thu 11/16/2023	185.76	241	373,367
Fri 11/17/2023	177.09	195	288,009
Sat 11/18/2023	164.41	259	355,146
Sun 11/19/2023	163.61	313	427,085
Mon 11/20/2023	160.02	279	372,349
Tue 11/21/2023	157.13	386	505,824
Wed 11/22/2023	158.21	369	486,870
Thu 11/23/2023	161.17	341	458,368
Fri 11/24/2023	139.92	394	459,768
Sat 11/25/2023	152.48	442	562,076
Sun 11/26/2023	155.35	375	485,842
Mon 11/27/2023	158.65	367	485,588
Tue 11/28/2023	157.24	323	423,578
Wed 11/29/2023	157.57	339	445,477
Thu 11/30/2023	159.53	454	604,023
Fri 12/1/2023	154.42	375	482,957
Sat 12/2/2023	154.25	376	483,715
Sun 12/3/2023	152.78	360	458,703
Mon 12/4/2023	153.19	360	459,947
Tue 12/5/2023	151.39	395	498,731
Wed 12/6/2023	149.60	456	568,947
Thu 12/7/2023	151.08	448	564,472
Fri 12/8/2023	149.30	330	410,908
Sat 12/9/2023	152.13	408	517,672
Sun 12/10/2023	151.33	406	512,393
Mon 12/11/2023	150.30	484	606,708
Tue 12/12/2023	149.34	475	591,614
Wed 12/13/2023	154.10	406	521,805
Thu 12/14/2023	146.75	399	488,332
Fri 12/15/2023	146.79	227	277,902
Sat 12/16/2023	145.63	364	442,087
Sun 12/17/2023	145.98	318	387,144
Mon 12/18/2023	147.38	375	460,926
Tue 12/19/2023	148.04	528	651,886
Wed 12/20/2023	146.15	395	481,453
Thu 12/21/2023	152.04	360	456,479
Fri 12/22/2023	166.88	388	540,002
Sat 12/23/2023	165.06	320	440,513
Sun 12/24/2023	159.27	347	460,910
Mon 12/25/2023	138.79	312	361,135
Tue 12/26/2023	149.95	403	503,982
Wed 12/27/2023	154.28	376	483,782
Thu 12/28/2023	152.74	255	324,840
Fri 12/29/2023	148.17	370	457,215
Sat 12/30/2023	147.55	356	438,069
Sun 12/31/2023	159.47	310	412,282

DATE	PH00	Sampled	Final Adjusted PH00 Loading (lbs/day)
	Daily Flow mgd	TSS Conc (mg/l)	
Mon 1/1/2024	149.43	345	429,965
Tue 1/2/2024	150.72	392	492,756
Wed 1/3/2024	142.06	371	439,550
Thu 1/4/2024	146.35	366	446,731
Fri 1/5/2024	145.67	393	477,436
Sat 1/6/2024	142.42	440	522,613
Sun 1/7/2024	140.64	253	296,753
Mon 1/8/2024	145.29	398	482,254
Tue 1/9/2024	140.25	362	423,432
Wed 1/10/2024	143.60	230	275,457
Thu 1/11/2024	139.53	437	508,527
Fri 1/12/2024	139.94	498	581,211
Sat 1/13/2024	139.28	608	706,245
Sun 1/14/2024	138.91	489	566,518
Mon 1/15/2024	142.68	307	365,313
Tue 1/16/2024	142.68	445	529,535
Wed 1/17/2024	139.36	402	467,216
Thu 1/18/2024	140.54	286	335,226
Fri 1/19/2024	140.37	319	373,437
Sat 1/20/2024	140.16	438	512,011
Sun 1/21/2024	139.64	381	443,714
Mon 1/22/2024	145.83	463	563,126
Tue 1/23/2024	160.94	407	546,296
Wed 1/24/2024	156.17	415	540,519
Thu 1/25/2024	153.14	438	559,419
Fri 1/26/2024	147.32	370	454,611
Sat 1/27/2024	146.03	503	612,601
Sun 1/28/2024	155.60	349	452,909
Mon 1/29/2024	149.66	327	408,162
Tue 1/30/2024	146.89	311	381,000
Wed 1/31/2024	143.70	274	328,382
Thu 2/1/2024	150.63	349	438,445
Fri 2/2/2024	165.72	367	507,235
Sat 2/3/2024	152.29	402	510,578
Sun 2/4/2024	157.10	344	450,702
Mon 2/5/2024	165.06	360	495,590
Tue 2/6/2024	163.59	400	545,748
Wed 2/7/2024	169.98	335	474,910
Thu 2/8/2024	169.50	342	483,454
Fri 2/9/2024	166.59	417	579,356
Sat 2/10/2024	166.21	351	486,542
Sun 2/11/2024	168.50	360	505,908
Mon 2/12/2024	164.28	350	479,545
Tue 2/13/2024	164.83	279	383,542
Wed 2/14/2024	161.05	242	325,051
Thu 2/15/2024	165.28	321	442,484
Fri 2/16/2024	164.70	387	531,595
Sat 2/17/2024	162.93	362	491,904
Sun 2/18/2024	164.64	331	454,485
Mon 2/19/2024	167.84	360	503,927
Tue 2/20/2024	161.96	327	441,683
Wed 2/21/2024	147.37	454	558,011
Thu 2/22/2024	150.17	420	526,018
Fri 2/23/2024	152.60	411	523,074
Sat 2/24/2024	148.65	415	514,491
Sun 2/25/2024	152.26	332	421,594
Mon 2/26/2024	155.98	393	511,248
Tue 2/27/2024	154.15	422	542,531
Wed 2/28/2024	153.74	456	584,681
Thu 2/29/2024	144.28	418	502,973

DATE	PH00	Sampled	Final Adjusted PH00 Loading (lbs/day)
	Daily Flow mgd	TSS Conc (mg/l)	
Fri 3/1/2024	151.29	431	543,810
Sat 3/2/2024	163.31	324	441,288
Sun 3/3/2024	154.15	270	347,118
Mon 3/4/2024	152.58	389	495,013
Tue 3/5/2024	149.33	417	519,334
Wed 3/6/2024	150.04	413	516,816
Thu 3/7/2024	151.87	501	634,567
Fri 3/8/2024	151.70	460	581,977
Sat 3/9/2024	153.16	407	519,875
Sun 3/10/2024	152.22	389	493,829
Mon 3/11/2024	152.72	361	459,798
Tue 3/12/2024	148.42	415	513,695
Wed 3/13/2024	149.00	345	428,729
Thu 3/14/2024	147.65	311	382,978
Fri 3/15/2024	149.79	307	383,525
Sat 3/16/2024	150.97	352	443,212
Sun 3/17/2024	150.77	328	412,425
Mon 3/18/2024	153.83	370	474,676
Tue 3/19/2024	154.22	340	437,317
Wed 3/20/2024	153.89	351	450,495
Thu 3/21/2024	155.19	281	363,683
Fri 3/22/2024	151.91	394	499,180
Sat 3/23/2024	178.06	406	602,904
Sun 3/24/2024	159.35	373	495,698
Mon 3/25/2024	156.58	272	355,192
Tue 3/26/2024	157.00	453	593,147
Wed 3/27/2024	153.08	489	624,296
Thu 3/28/2024	151.07	489	616,104
Fri 3/29/2024	152.42	412	523,715
Sat 3/30/2024	151.91	453	573,936
Sun 3/31/2024	151.83	366	463,442
Mon 4/1/2024	161.63	418	563,464
Tue 4/2/2024	147.27	416	510,958
Wed 4/3/2024	146.42	433	528,747
Thu 4/4/2024	146.90	364	445,941
Fri 4/5/2024	146.09	355	432,535
Sat 4/6/2024	144.40	401	482,925
Sun 4/7/2024	144.33	352	423,715
Mon 4/8/2024	147.11	418	512,833
Tue 4/9/2024	147.01	429	525,983
Wed 4/10/2024	143.44	293	350,514
Thu 4/11/2024	143.67	359	430,151
Fri 4/12/2024	146.24	472	575,653
Sat 4/13/2024	145.45	352	426,994
Sun 4/14/2024	145.19	343	415,326
Mon 4/15/2024	148.04	488	602,521
Tue 4/16/2024	150.47	420	527,064
Wed 4/17/2024	151.15	465	586,172
Thu 4/18/2024	146.55	494	603,793
Fri 4/19/2024	147.46	470	578,014
Sat 4/20/2024	147.67	398	490,161
Sun 4/21/2024	146.15	279	340,076
Mon 4/22/2024	149.87	352	439,971
Tue 4/23/2024	146.23	279	340,265
Wed 4/24/2024	147.59	430	529,301
Thu 4/25/2024	147.80	419	516,492
Fri 4/26/2024	146.54	460	562,179
Sat 4/27/2024	144.23	450	541,303
Sun 4/28/2024	142.85	358	426,501
Mon 4/29/2024	146.75	354	433,258
Tue 4/30/2024	147.15	416	510,537

DATE	PH00	Sampled	Final Adjusted
	Daily Flow <u>mgd</u>	TSS Conc <u>(mg/l)</u>	PH00 Loading <u>(lbs/day)</u>
Wed 5/1/2024	151.74	350	442,921
Thu 5/2/2024	151.56	377	476,546
Fri 5/3/2024	152.01	310	393,009
Sat 5/4/2024	151.11	379	477,632
Sun 5/5/2024	150.62	253	317,821
Mon 5/6/2024	154.15	317	407,534
Tue 5/7/2024	151.93	351	444,750
Wed 5/8/2024	154.19	521	669,959
Thu 5/9/2024	151.13	421	530,624
Fri 5/10/2024	149.30	485	603,898
Sat 5/11/2024	148.59	406	503,143
Sun 5/12/2024	148.32	355	439,122
Mon 5/13/2024	152.47	412	523,890
Tue 5/14/2024	152.40	350	444,850
Wed 5/15/2024	153.46	385	492,733
Thu 5/16/2024	153.56	271	347,077
Fri 5/17/2024	156.56	375	489,639
Sat 5/18/2024	153.62	366	468,925
Sun 5/19/2024	150.79	280	352,118
Mon 5/20/2024	155.72	336	436,375
Tue 5/21/2024	152.81	374	476,651
Wed 5/22/2024	153.42	349	446,545
Thu 5/23/2024	151.56	312	394,380
Fri 5/24/2024	151.68	444	561,656
Sat 5/25/2024	147.09	358	439,171
Sun 5/26/2024	141.76	330	390,141
Mon 5/27/2024	146.83	347	424,932
Tue 5/28/2024	151.42	393	496,292
Wed 5/29/2024	150.05	374	468,032
Thu 5/30/2024	148.96	362	449,710
Fri 5/31/2024	156.50	405	528,601
Sat 6/1/2024	152.69	303	385,844
Sun 6/2/2024	152.26	204	259,050
Mon 6/3/2024	157.45	334	438,581
Tue 6/4/2024	157.43	277	363,699
Wed 6/5/2024	157.70	359	472,151
Thu 6/6/2024	157.14	364	477,032
Fri 6/7/2024	159.04	339	449,643
Sat 6/8/2024	151.66	339	428,777
Sun 6/9/2024	152.18	340	431,524
Mon 6/10/2024	155.46	345	447,315
Tue 6/11/2024	156.89	362	473,656
Wed 6/12/2024	157.54	393	516,359
Thu 6/13/2024	158.51	353	466,658
Fri 6/14/2024	156.04	368	478,900
Sat 6/15/2024	152.86	354	451,303
Sun 6/16/2024	150.84	276	347,202
Mon 6/17/2024	156.19	366	476,756
Tue 6/18/2024	156.08	303	394,416
Wed 6/19/2024	157.42	417	547,459
Thu 6/20/2024	156.85	324	423,829
Fri 6/21/2024	159.69	376	500,761
Sat 6/22/2024	157.38	309	405,574
Sun 6/23/2024	157.15	284	372,226
Mon 6/24/2024	162.33	205	277,543
Tue 6/25/2024	165.09	340	468,128
Wed 6/26/2024	162.83	307	416,898
Thu 6/27/2024	162.52	343	464,916
Fri 6/28/2024	161.97	359	484,952
Sat 6/29/2024	159.58	340	452,502
Sun 6/30/2024	159.30	230	305,577

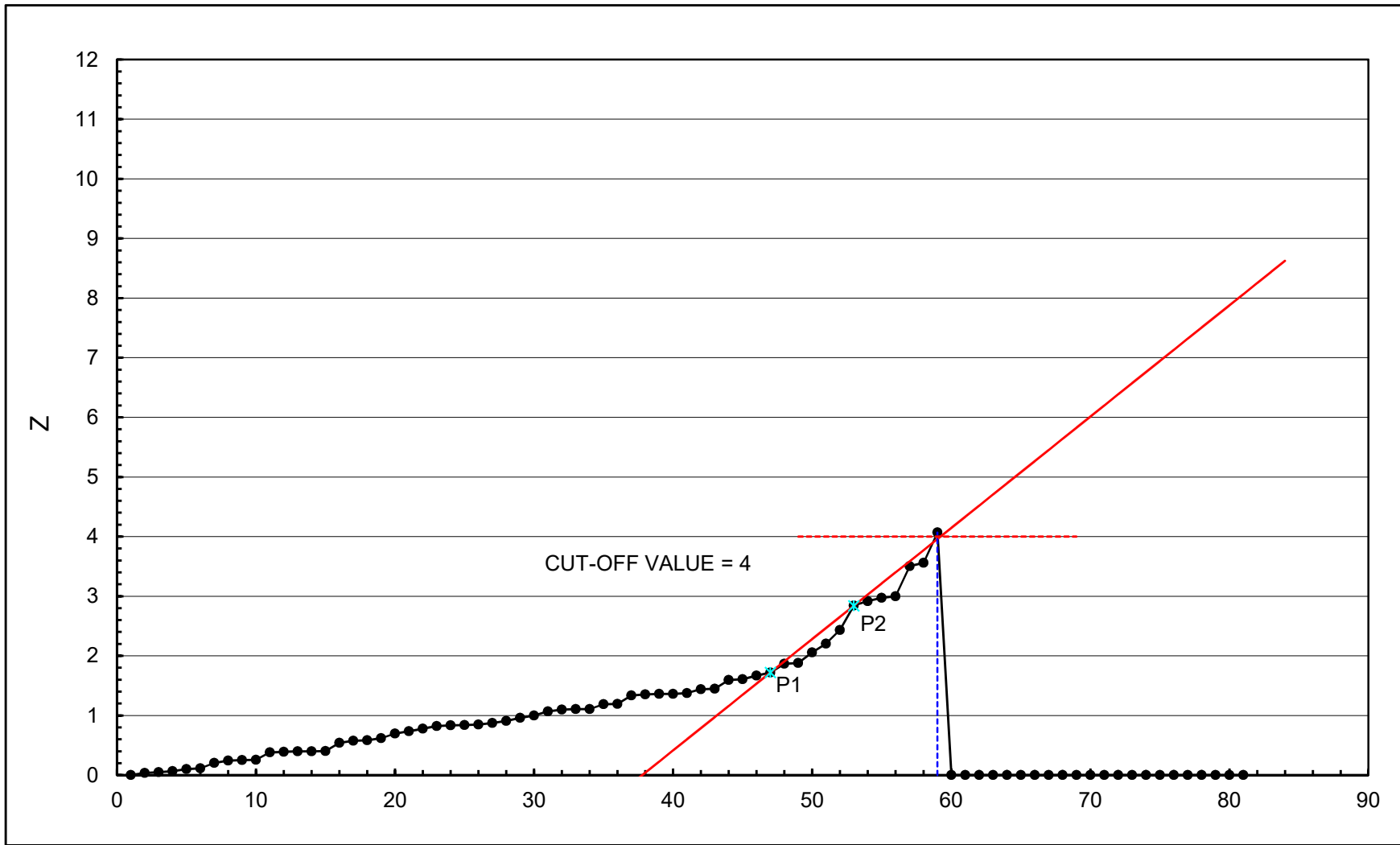


COD CUT-OFF VALUE FOR PEORIA METERING STATION (GL02)

NOTES: - NUMBER OF SAMPLES: 53  
 - LINE DEFINED BY: P1= (42,1.32), AND P2=( 48,2.03)

SROG  
 SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
 YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
 APPENDIX A - JULY 2024

FIGURE A-1

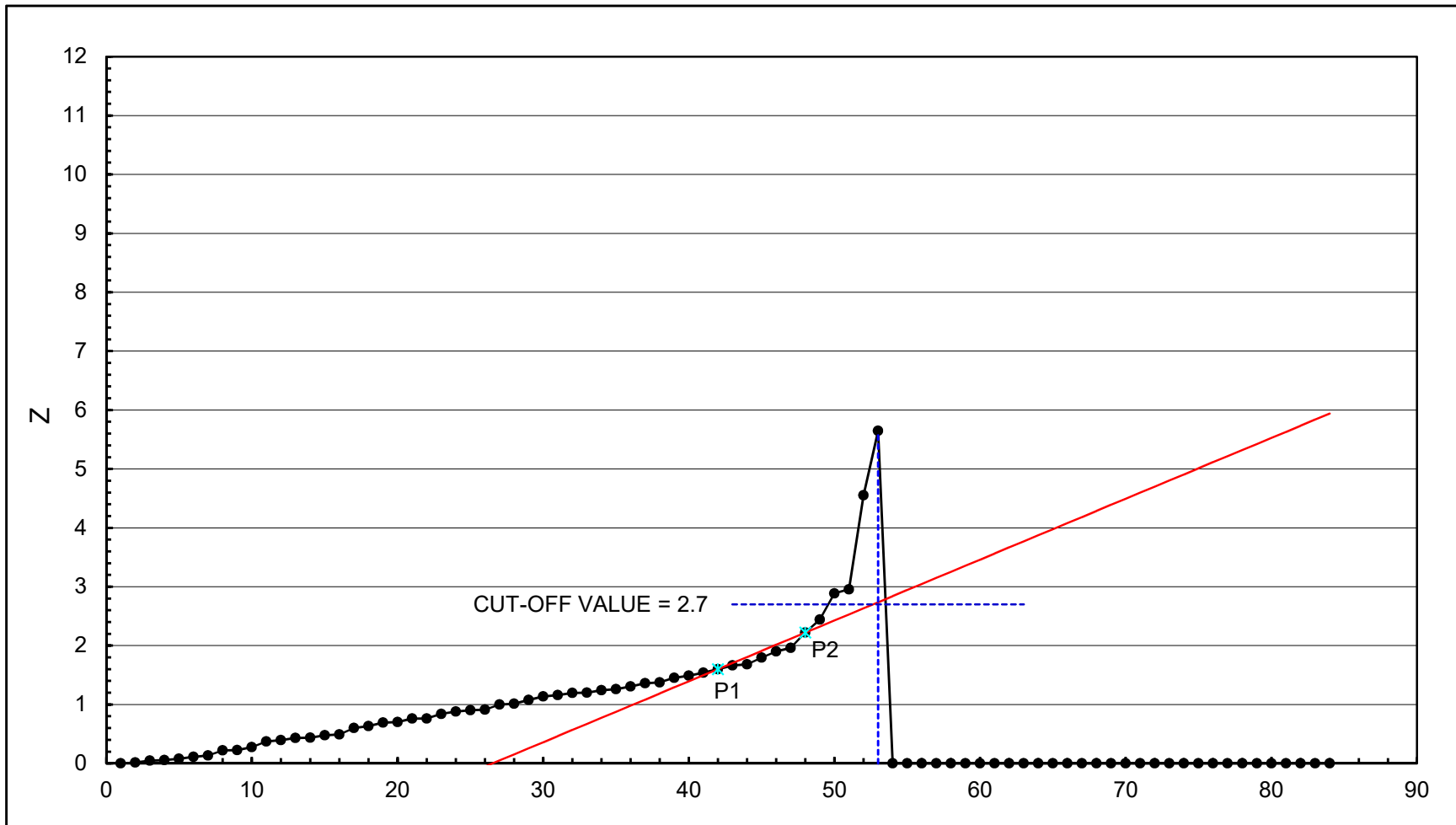


COD CUT-OFF VALUE FOR 99<sup>TH</sup> AVENUE AND CAMELBACK ROAD METERING STATION (GL03)

NOTES: - NUMBER OF SAMPLES: 59  
- LINE DEFINED BY: P1= (47,1.72), AND P2= (53,2.84)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024

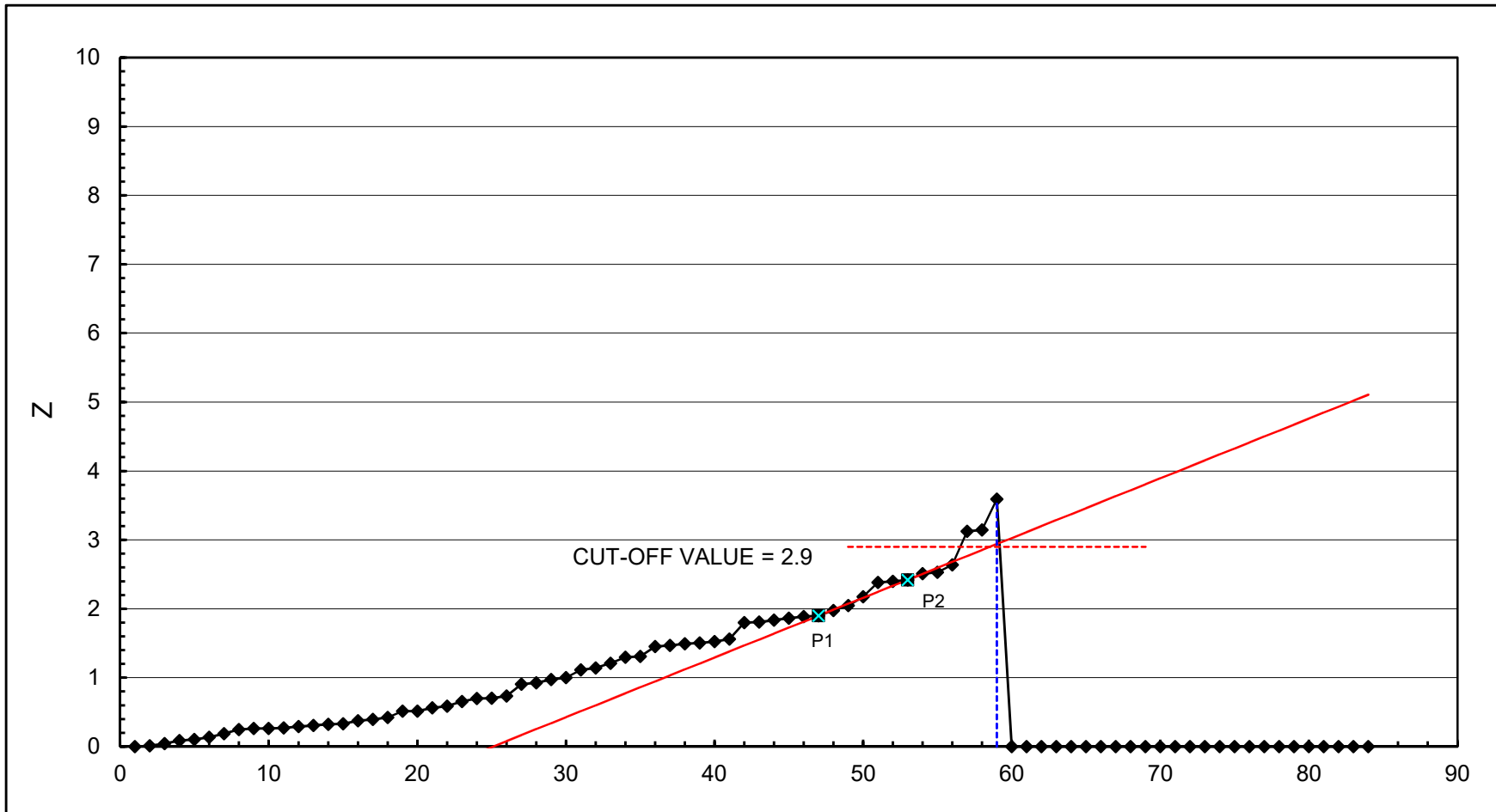




TSS CUT-OFF VALUE FOR PEORIA METERING STATION (GL02)

NOTES: - NUMBER OF SAMPLES: 53  
 - LINE DEFINED BY: P1= (42,1.6), AND P2= (48,2.22)

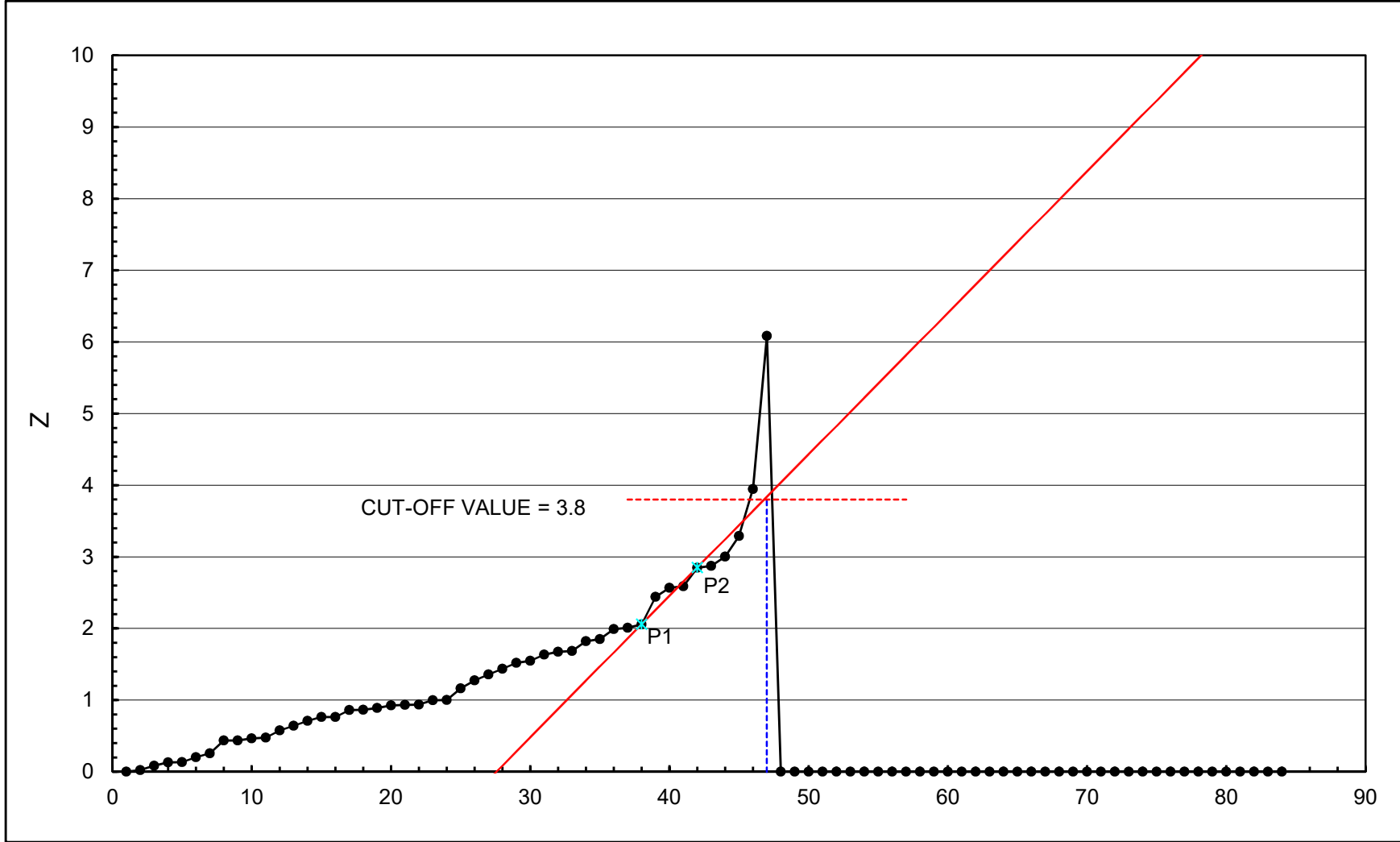
SROG  
 SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
 YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
 APPENDIX A - JULY 2024



TSS CUT-OFF VALUE FOR 99<sup>TH</sup> AVENUE AND CAMELBACK ROAD METERING STATION (GL03)

NOTES: - NUMBER OF SAMPLES: 59  
- LINE DEFINED BY: P1= (47,1.9), AND P2= (53,2.42)

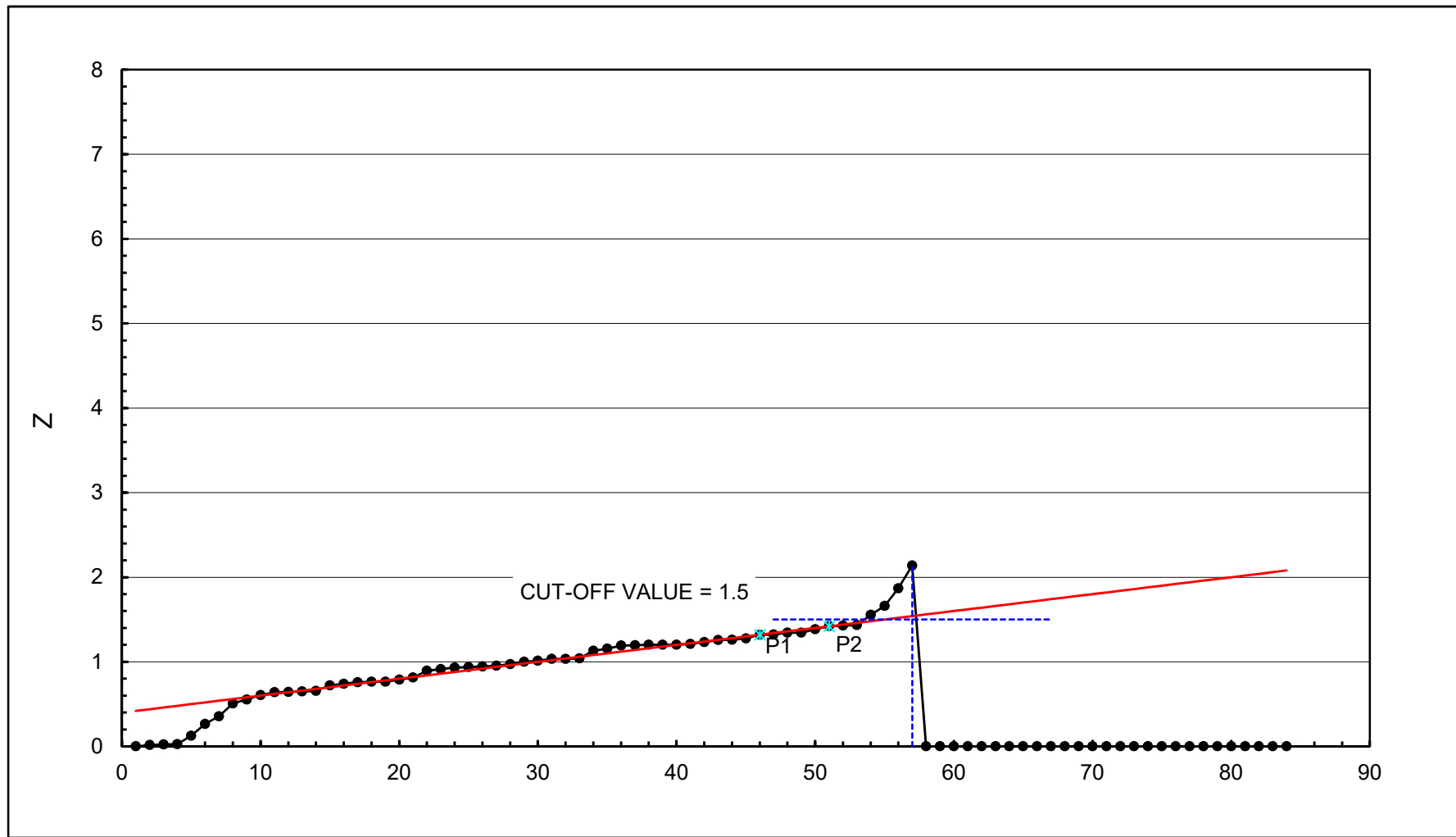
SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024



COD CUT-OFF VALUE FOR SOUTHERN AVENUE AND BASELINE ROAD METERING STATION (ME01+ME02)

NOTES: - NUMBER OF SAMPLES: 47  
- LINE DEFINED BY: P1= (38,2.06), AND P2= (42,2.85)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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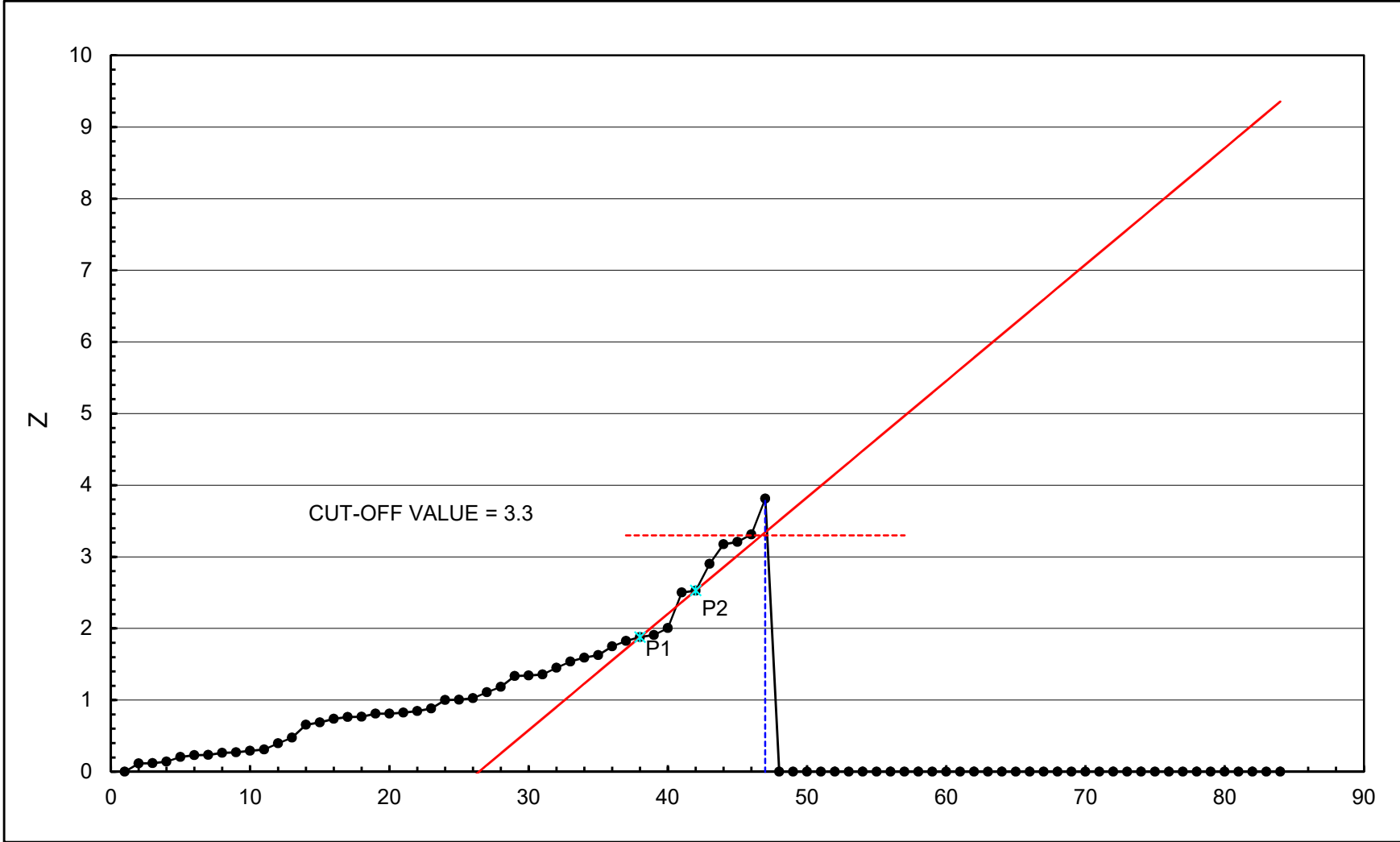


COD CUT-OFF VALUE FOR PRICE METERING STATION (ME03)

NOTES: - NUMBER OF SAMPLES: 57  
- LINE DEFINED BY: P1= (46,1.32), AND P2= (51,1.42)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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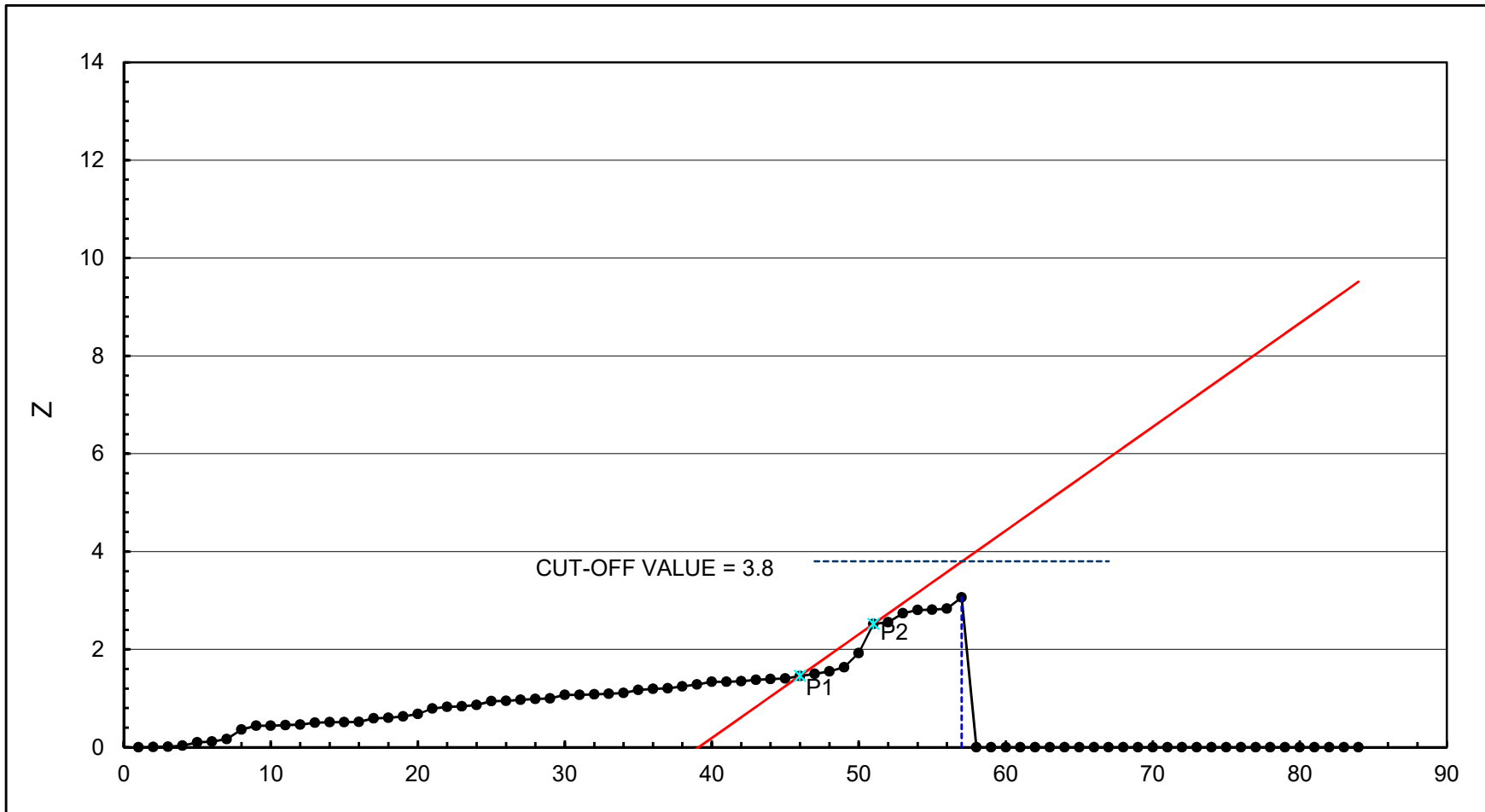
FIGURE A-6



TSS CUT-OFF VALUE FOR SOUTHERN AVENUE AND BASELINE ROAD METERING STATION (ME01+ME02)

NOTES: - NUMBER OF SAMPLES: 47  
 - LINE DEFINED BY: P1= (38,1.88), AND P2= (42,2.53)

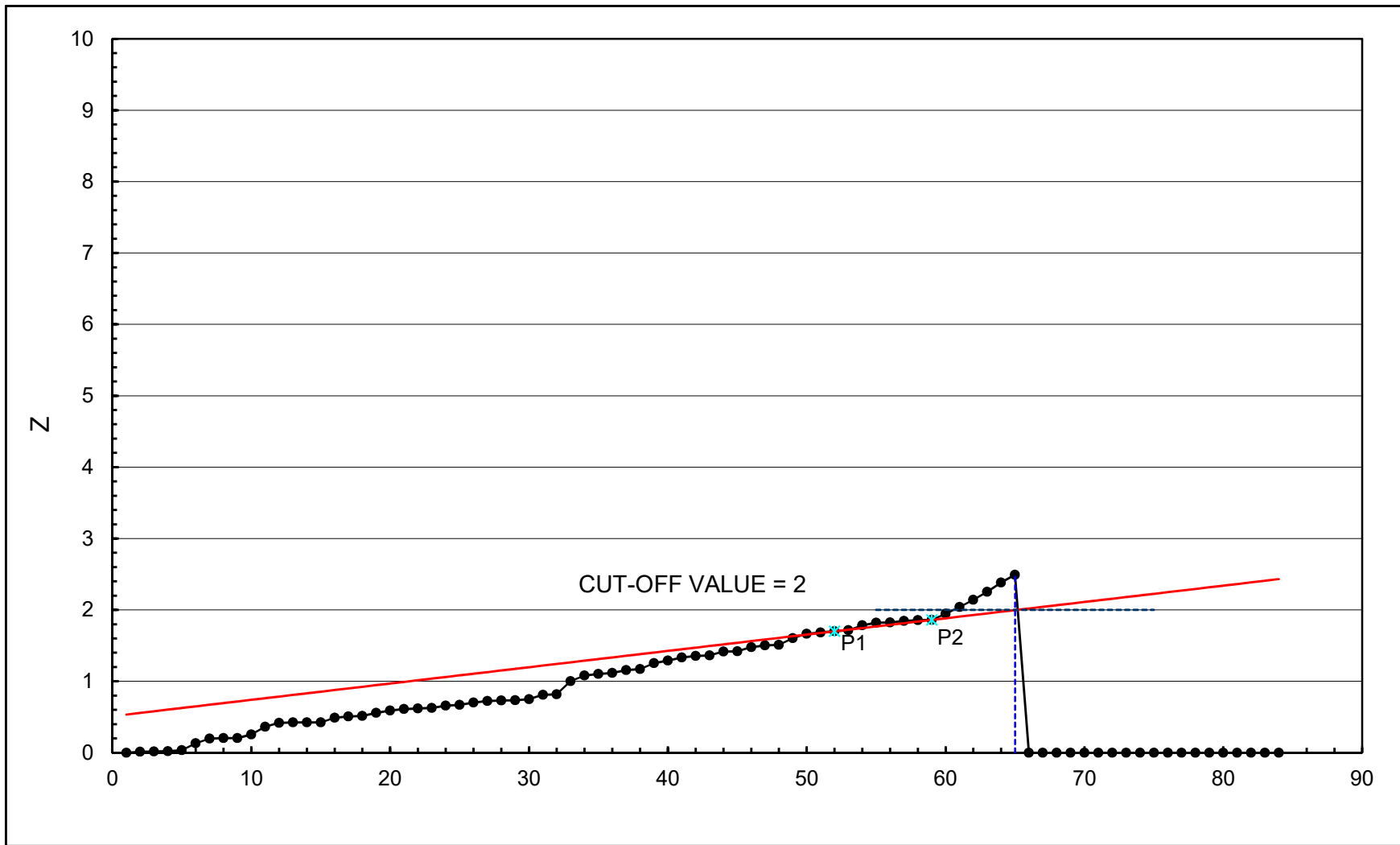
SROG  
 SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
 YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
 APPENDIX A - JULY 2024



TSS CUT-OFF VALUE FOR PRICE METERING STATION (ME03)

NOTES: - NUMBER OF SAMPLES: 57  
- LINE DEFINED BY: P1= (46,1.46), AND P2= (51,2.52)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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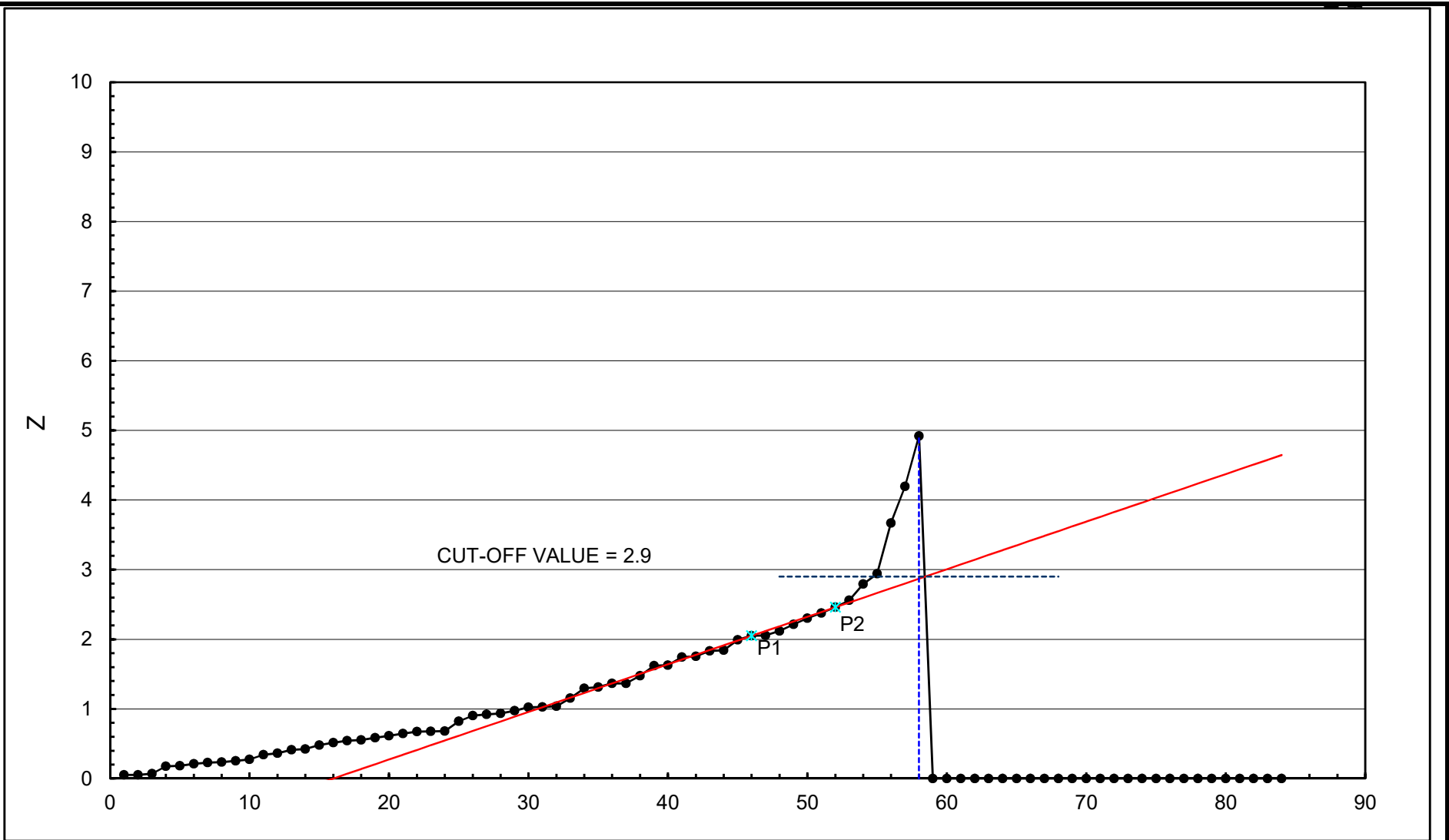


COD CUT-OFF VALUE FOR PRINCESS ROAD METERING STATION (SD01)

NOTES: - NUMBER OF SAMPLES: 65  
- LINE DEFINED BY: P1= (52,1.7), AND P2= (59,1.86)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024

FIGURE A-9

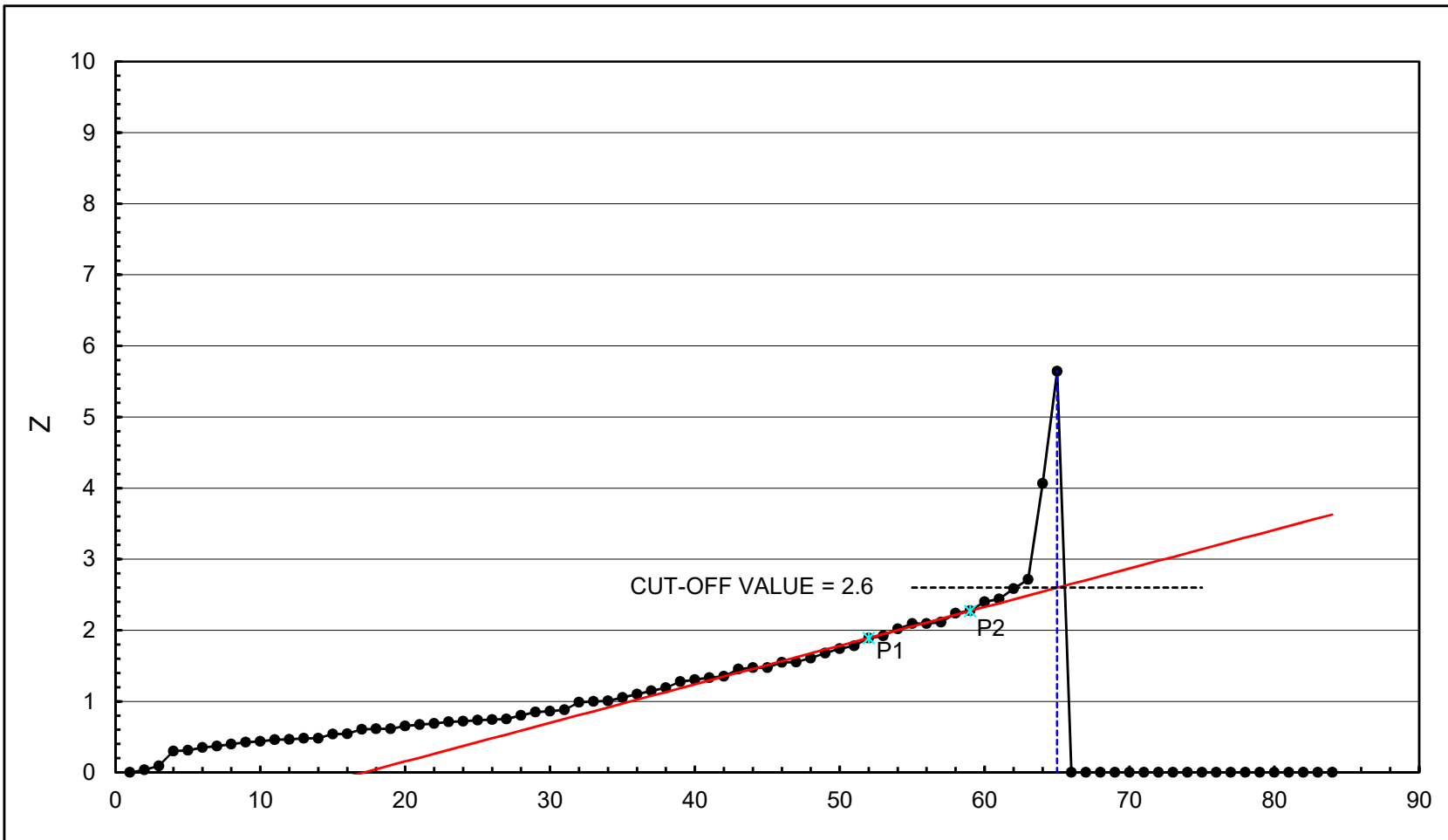


COD CUT-OFF VALUE FOR MOUNTAIN VIEW METERING STATION (PV02)

NOTES: - NUMBER OF SAMPLES: 58  
- LINE DEFINED BY: P1= (46,2.05), AND P2= (52,2.46)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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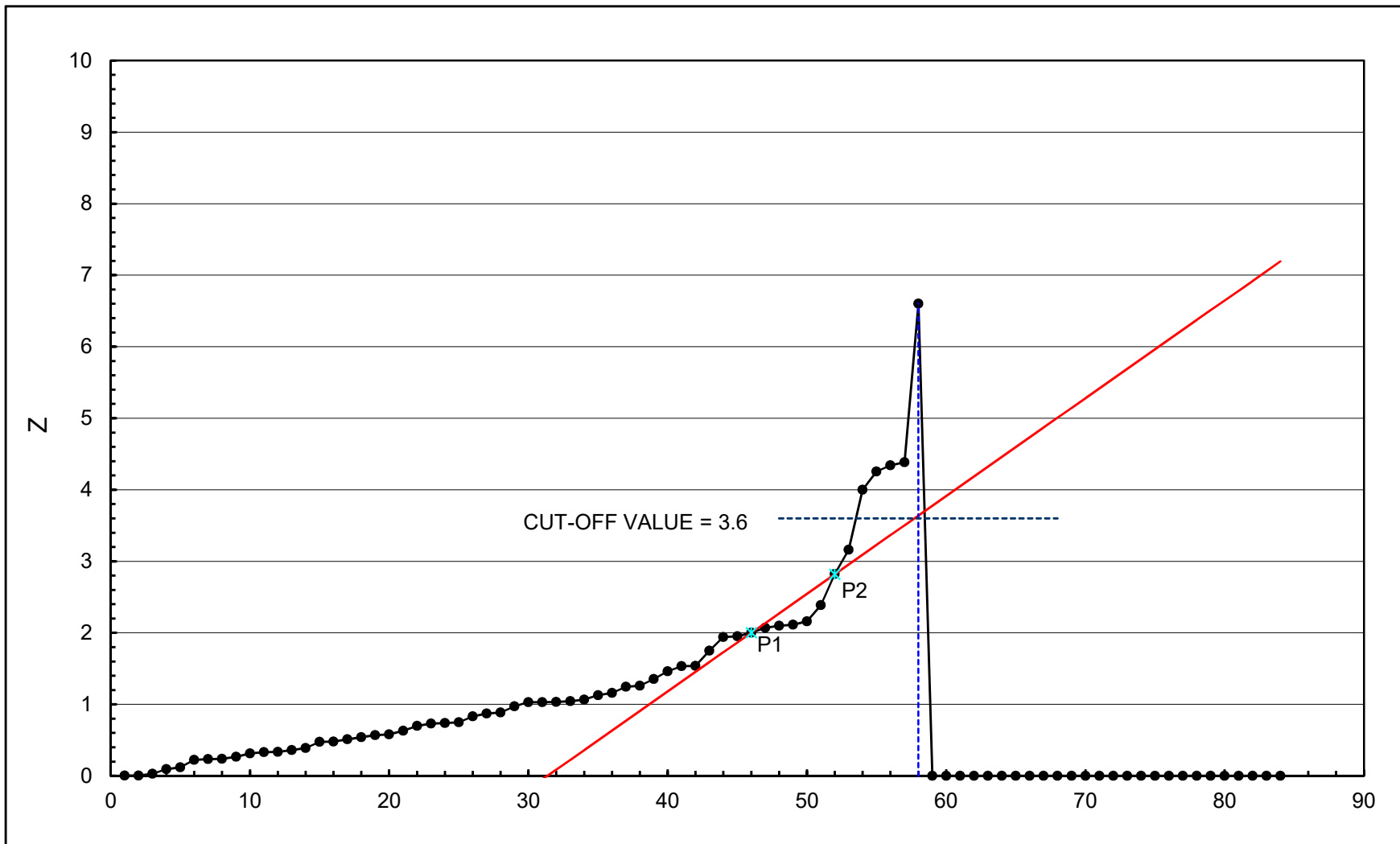




### TSS CUT-OFF VALUE FOR PRINCESS ROAD METERING STATION (SD01)

- NUMBER OF SAMPLES: 65  
- LINE DEFINED BY: P1= (52,1.89), AND P2= (59,2.27)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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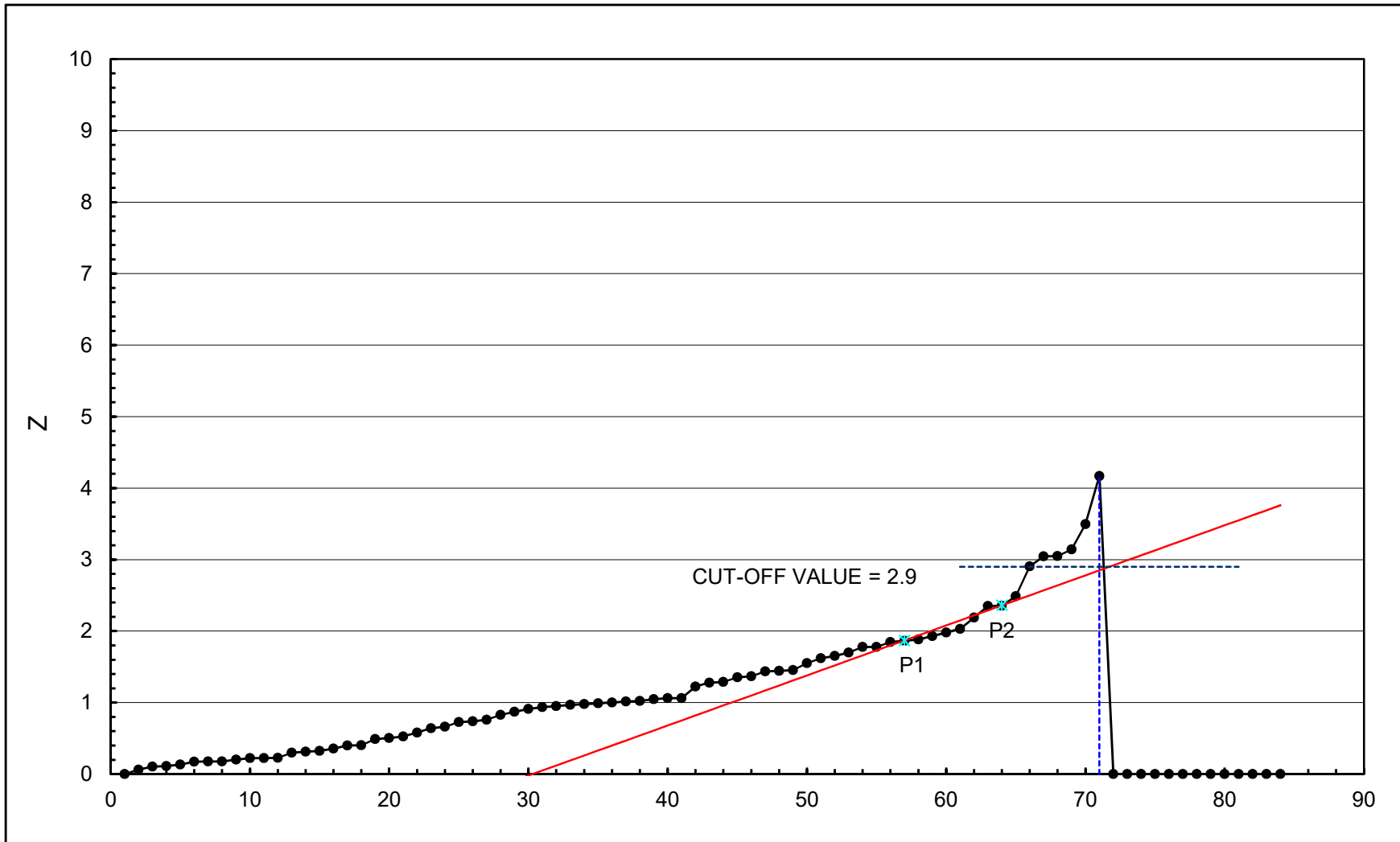


TSS CUT-OFF VALUE FOR MOUNTAIN VIEW METERING STATION (PV02)

NOTES: - NUMBER OF SAMPLES: 58  
- LINE DEFINED BY: P1= (46,2), AND P2= (52,2.82)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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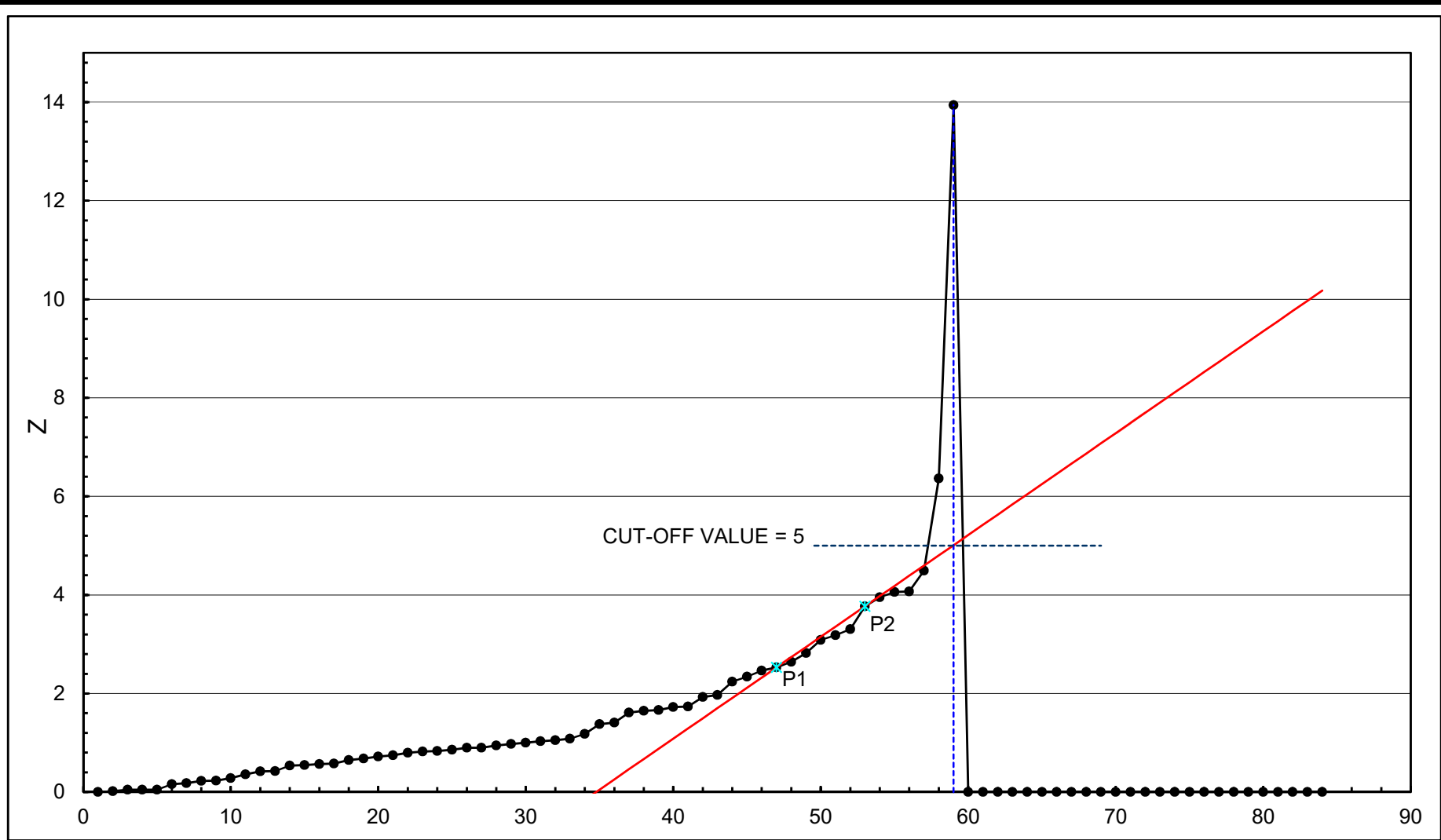
FIGURE A-12



COD CUT-OFF VALUE FOR PRIEST DRIVE AND SOUTHERN AVENUE METERING STATIONS (TP01+TP03)

NOTES: - NUMBER OF SAMPLES: 71  
- LINE DEFINED BY: P1= (57,1.87), AND P2= (64,2.36)

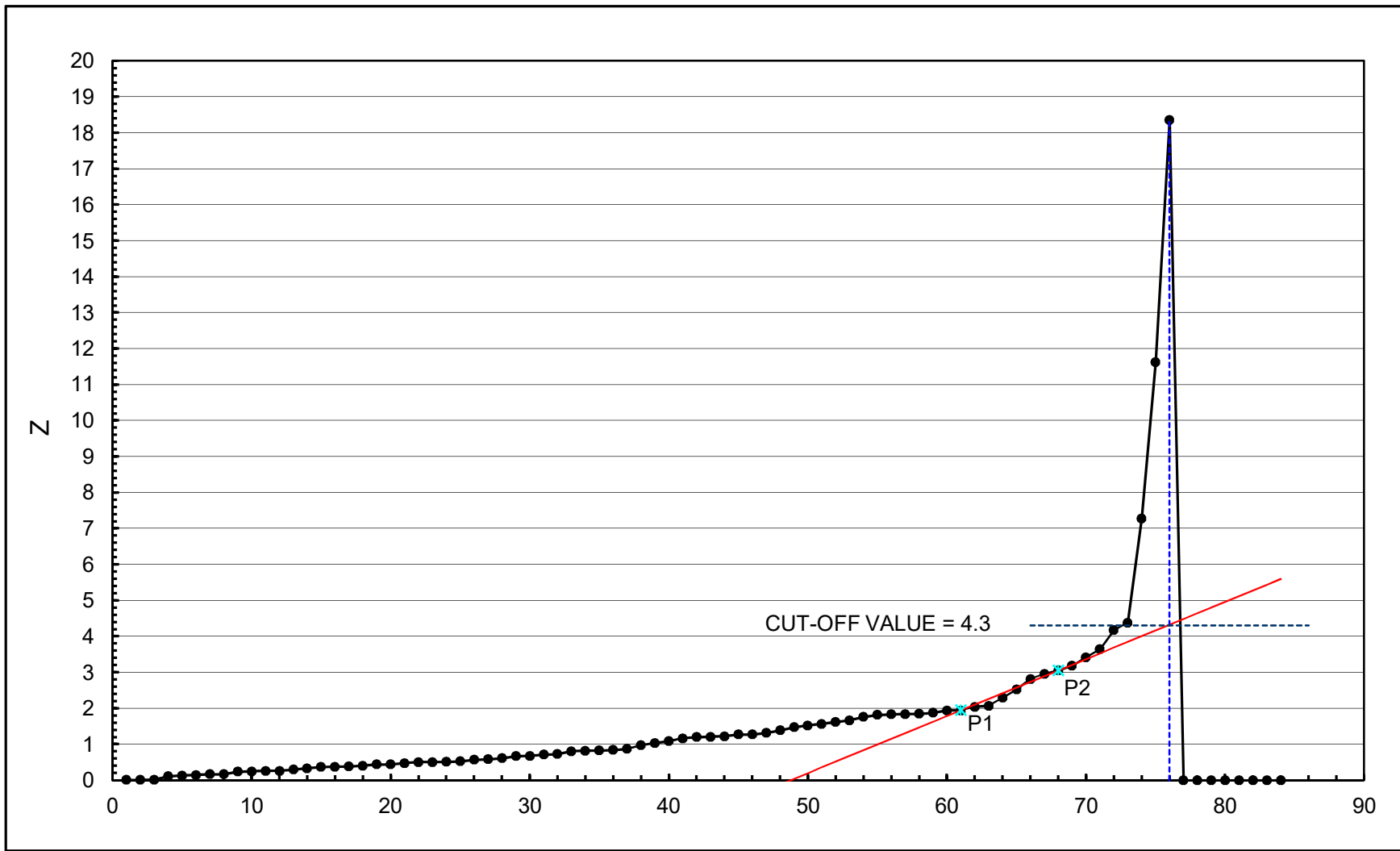
SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024



COD CUT-OFF VALUE FOR GILBERT ROAD METERING STATION (TP02)

NOTES: - NUMBER OF SAMPLES: 59  
- LINE DEFINED BY: P1= (47,2.53), AND P2= (53,3.77)

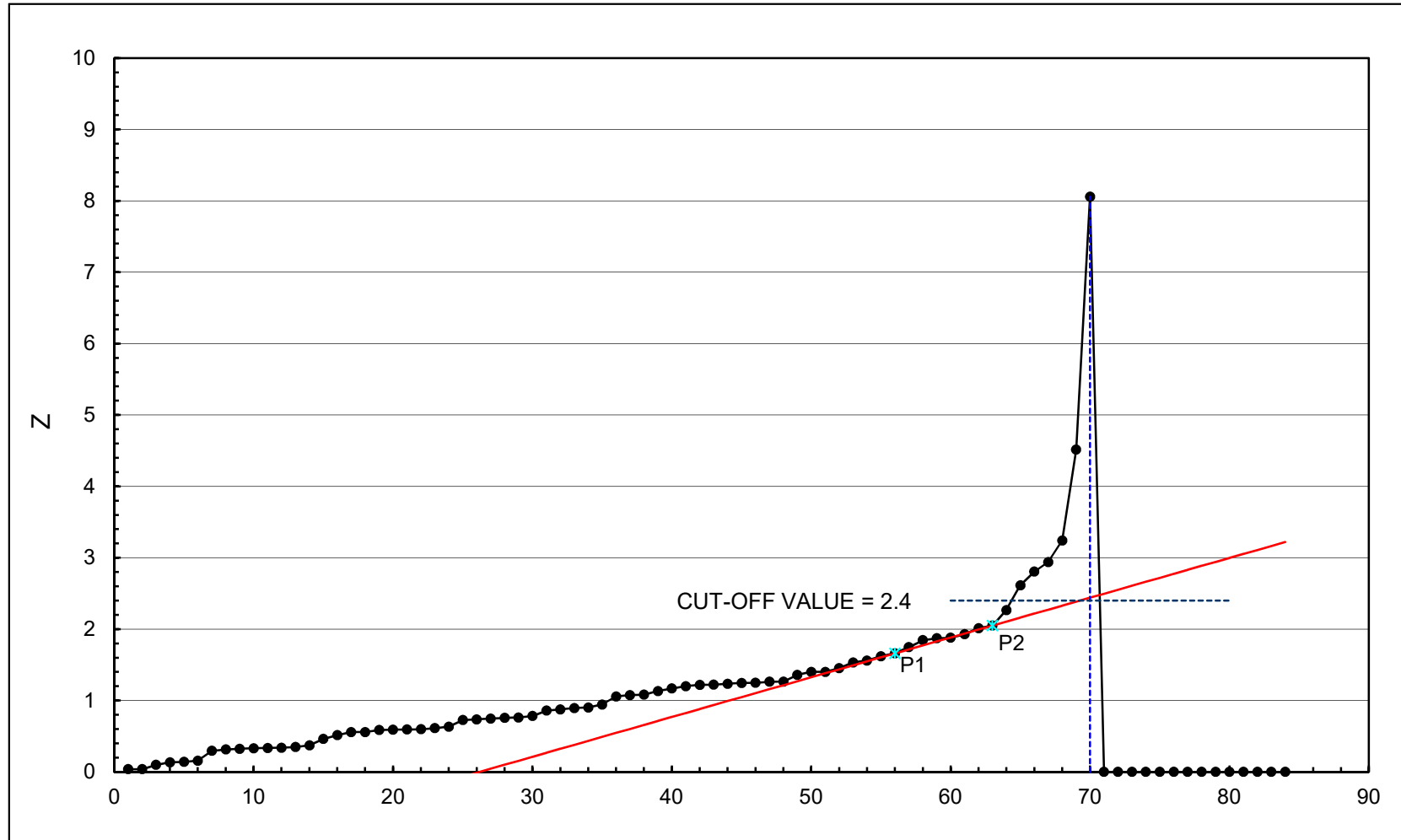
SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024



COD CUT-OFF VALUE FOR 48TH STREET METERING STATION (TP04)

NOTES: - NUMBER OF SAMPLES: 76  
- LINE DEFINED BY: P1= (61,1.94), AND P2= (68,3.05)

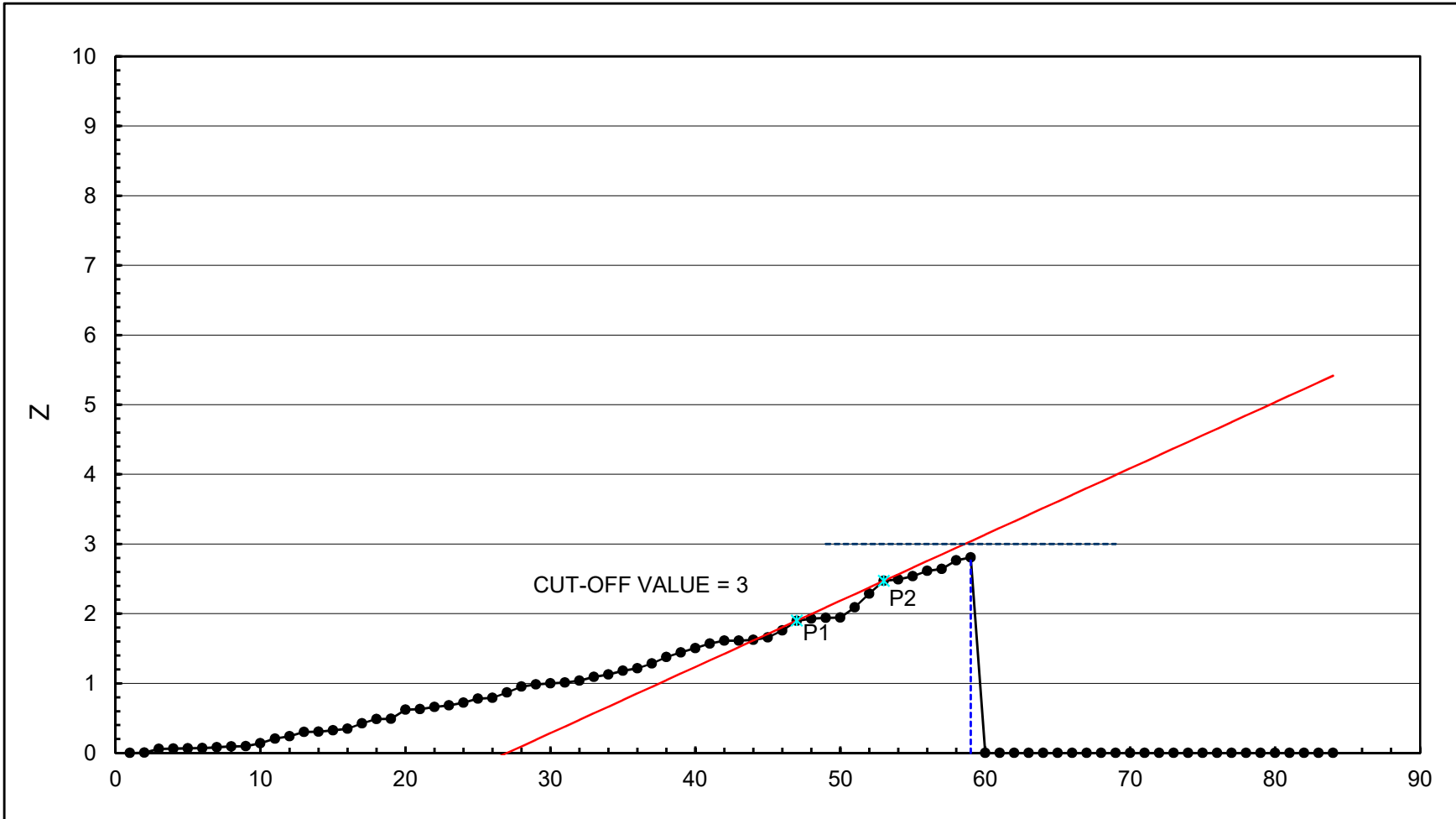
SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2022-2023  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2022-2023  
APPENDIX A - JULY 2023



TSS CUT-OFF VALUE FOR PRIEST DRIVE AND SOUTHERN AVENUE METERING STATIONS (TP01+TP03)

NOTES: - NUMBER OF SAMPLES: 70  
- LINE DEFINED BY: P1= (56,1.66), AND P2= (63,2.05)

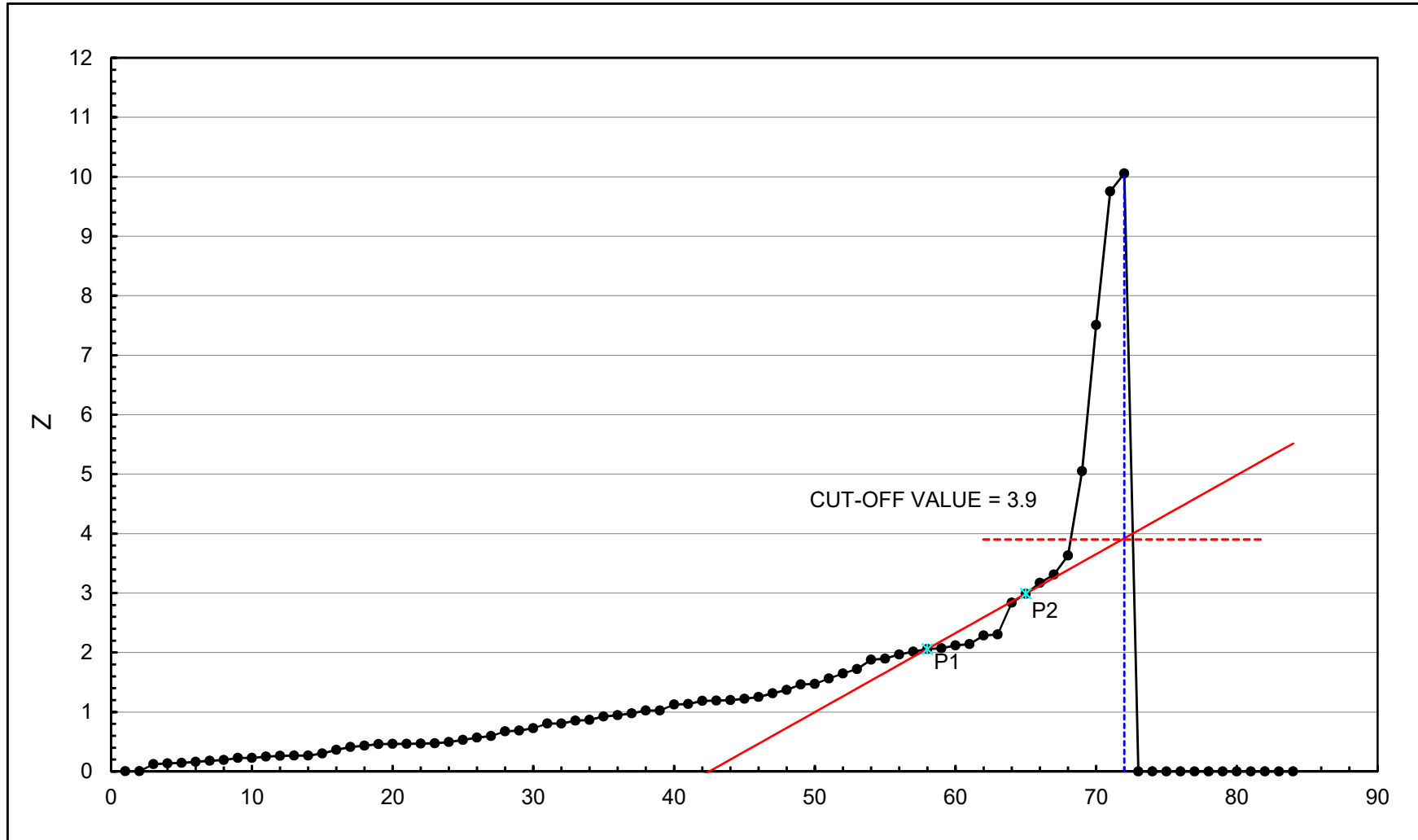
SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024



TSS CUT-OFF VALUE FOR GILBERT ROAD METERING STATION (TP02)

NOTES: - NUMBER OF SAMPLES: 59  
- LINE DEFINED BY: P1= (47,1.9), AND P2= (53,2.47)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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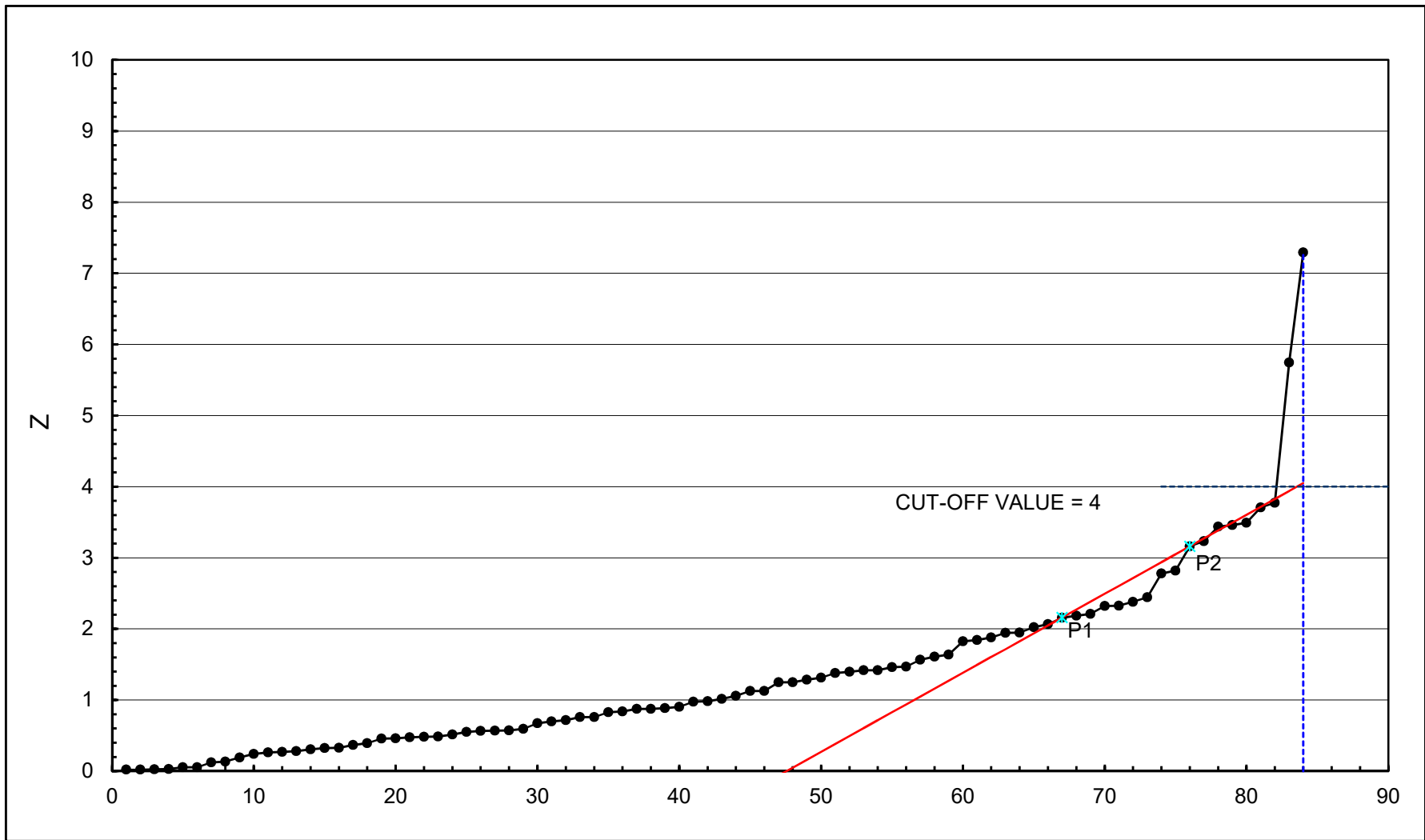


**TSS CUT-OFF VALUE FOR 48TH STREET METERING STATION (TP04)**

NOTES: - NUMBER OF SAMPLES: 72  
- LINE DEFINED BY: P1= (58,2.06), AND P2= (65,2.99)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
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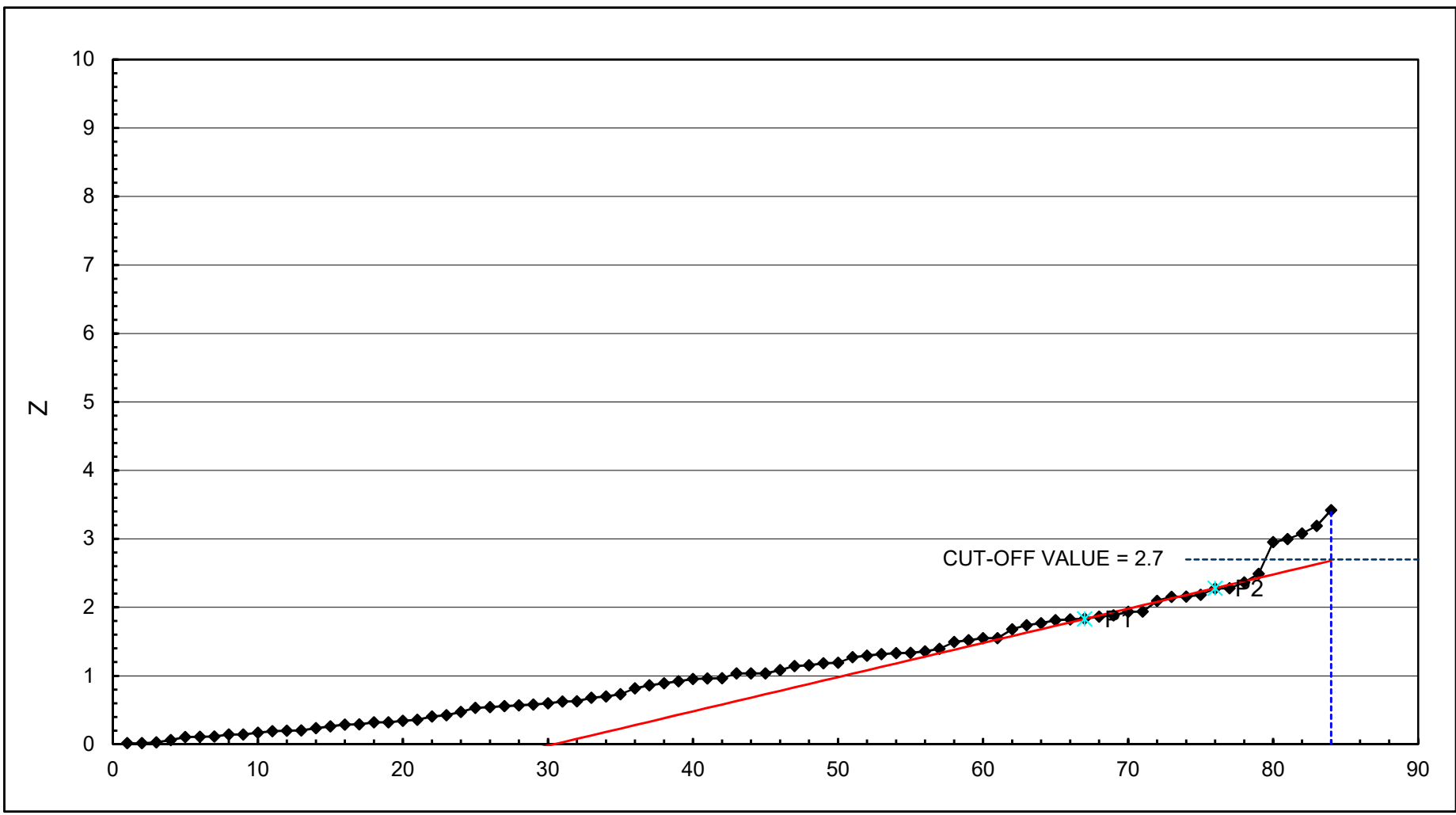




COD CUT-OFF VALUE FOR 91ST AVENUE WWTP METERING STATION (91ST)

NOTES: - NUMBER OF SAMPLES: 84  
- LINE DEFINED BY: P1= (67,2.16), AND P2= (76,3.16)

SROG  
SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
APPENDIX A - JULY 2024



TSS CUT-OFF VALUE FOR 91ST AVENUE METERING STATION (91ST)

NOTES: - NUMBER OF SAMPLES: 84  
 - LINE DEFINED BY: P1= (67,1.83), AND P2= (76,2.28)

SROG  
 SROG SUPPORTING SERVICES FOR FISCAL YEAR 2023-2024  
 YEAR END FLOW AND LOADING REPORT FISCAL YEAR 2023-2024  
 APPENDIX A - JULY 2024

FIGURE A-20

## APPENDIX B

### MONTHLY AUDITED FLOW REPORTS

**Monthly Flow Review July 2023**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
MS_FLOW91	7/1-7/31	Influent Metering Station used as billing meter.
GL02	7/1-7/6	Laser 2 lens was wet, Laser 1 data used for billing purposes.
	7/7-7/31	Laser 2 used as billing meter.
GL03	7/1-7/31	Phoenix Laser used as billing meter.
GL04	7/1-7/31	Flume data used for report.
ME01	7/1-7/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	7/1-7/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	6/1-6/15	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	6/16-6/30	Flume used as billing meter
PH01	6/1-6/30	Flume not operational, communication issues. Used April and May 2023 data for billing purposes, 4/21/2023-5/21/2023.
PV02	7/1-7/6, 7/19-7/31	Laser used as billing meter.
	7/7-7/18	Laser not reporting correctly, used flume data for billing purposes.
MS_SD01	7/1-7/31	Phoenix Laser used as billing meter.
TP01	7/1-7/31	Flume used as billing meter
TP02	7/1-7/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	7/1-7/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	7/1-7/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
MS_TP05	7/1-7/31	Flume used as billing meter

DTTM	MS_FLOW91	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
7/1/2023	135.8893	2.7311	9.5641	13.7234	6.6255	9.6549	3.7499	0.1150	5.6648	11.9659	17.7755	3.7163	10.4194	1.6454	0.0768	0.0900
7/2/2023	131.0337	2.6754	9.4597	13.5838	6.4903	9.5063	2.8214	0.1150	5.5596	11.3011	17.3286	3.6490	10.2813	1.6343	0.0698	0.0900
7/3/2023	132.4658	2.6122	9.2384	13.4143	6.6505	9.4271	2.6714	0.1150	5.3960	11.6467	17.3415	3.6833	10.2927	1.6855	0.0969	0.0900
7/4/2023	130.7607	2.6221	9.5620	13.9962	6.7585	9.5156	2.4006	0.1150	5.5801	11.5107	17.5069	3.6542	10.3000	1.6100	0.0830	0.0900
7/5/2023	133.4193	2.6154	9.7001	13.7687	6.8455	9.5035	2.4017	0.1150	5.5686	11.8713	17.9004	3.7799	10.3733	1.7457	0.1082	0.0900
7/6/2023	136.9927	2.7499	9.6533	13.8621	6.8587	9.7193	2.1799	0.1150	5.6991	11.9332	18.1283	3.9852	10.6334	1.8701	0.1196	0.0900
7/7/2023	135.0541	2.5739	9.6063	13.7026	6.8731	9.7434	1.2577	0.1150	5.6320	11.1501	17.9729	3.8697	10.7816	1.7834	0.1036	0.0900
7/8/2023	132.0555	2.6474	9.9759	14.1508	6.9571	9.6594	0.6198	0.1150	5.8009	11.1329	17.8075	3.7478	10.5476	1.7093	0.0752	0.0900
7/9/2023	131.8755	2.6184	9.8727	14.2280	7.0924	9.7059	0.7120	0.1150	5.9444	11.3037	18.0524	3.7736	10.3861	1.7369	0.0732	0.0900
7/10/2023	138.0985	2.5613	9.7317	14.0128	7.1089	9.6313	2.0076	0.1150	5.6221	11.1479	18.5067	4.0061	10.4510	1.8641	0.1109	0.0900
7/11/2023	140.4297	2.5690	10.1743	14.5657	7.1729	9.5215	0.5435	0.1150	5.5398	11.2797	18.8362	4.2414	10.4240	1.8512	0.1365	0.0900
7/12/2023	136.2203	2.6172	9.5677	14.0616	7.1483	9.5316	0.8972	0.1150	5.6154	11.1549	19.0124	4.0884	10.5299	1.8325	0.1247	0.0900
7/13/2023	137.3708	2.6328	9.5316	13.9007	7.0681	9.6149	1.2556	0.1150	5.5195	12.7914	18.6746	4.0492	10.5347	1.8497	0.1362	0.0900
7/14/2023	137.6816	2.6129	9.3993	13.6675	7.1491	9.5465	0.3363	0.1150	5.5289	11.2459	18.5201	4.0151	10.6611	1.8007	0.1092	0.0900
7/15/2023	132.7033	2.4999	9.7707	14.2600	7.1830	9.6830	0.3551	0.1150	5.7778	11.3865	18.7898	3.8726	10.5514	1.7104	0.0826	0.0900
7/16/2023	134.7862	2.5077	9.8811	14.4982	7.3884	9.8427	0.3669	0.1150	6.0486	13.3937	18.9287	3.9832	10.6958	1.7466	0.0859	0.0900
7/17/2023	142.0116	2.5320	10.0814	14.4491	7.1885	9.7267	0.9394	0.1150	5.9085	11.3772	18.9845	4.1224	10.7677	1.8608	0.1232	0.0900
7/18/2023	141.0739	2.5057	9.7519	14.1964	7.2453	9.5941	0.6649	0.1150	5.8261	11.2567	19.0516	4.3044	10.5990	1.8626	0.1616	0.0900
7/19/2023	139.8171	2.5190	9.7462	14.1998	7.2670	9.5663	0.3342	0.1150	5.7098	11.2518	19.0406	4.1121	10.7868	1.8900	0.1840	0.0900
7/20/2023	141.4626	2.4375	11.0784	15.7726	7.2441	9.9142	0.3364	0.1150	5.6578	11.4179	19.2465	4.2676	11.1688	1.8274	0.1812	0.0900
7/21/2023	139.0606	2.4909	9.6245	14.0654	7.1535	9.5188	0.5276	0.1150	5.6790	11.5648	18.6528	3.9622	10.6358	1.7721	0.1670	0.0900
7/22/2023	136.6164	2.5233	9.6173	14.3395	7.2500	9.6882	0.4303	0.1150	5.9023	11.6732	18.3837	3.8170	10.7417	1.6836	0.1476	0.0900
7/23/2023	137.4018	2.5292	9.8939	14.7746	7.4731	9.8201	0.3785	0.1150	6.0848	11.5775	19.4121	3.9722	10.8986	1.6906	0.1458	0.0900
7/24/2023	145.5247	2.5081	9.9969	14.6791	7.2188	9.7122	0.4983	0.1150	5.8615	11.5796	18.8862	4.0819	11.0410	1.7955	0.1785	0.0900
7/25/2023	149.3268	2.4752	11.6635	16.8041	7.1797	9.6417	0.3579	0.1150	5.9327	11.5232	18.7816	4.1560	10.8080	1.7547	0.1875	0.0900
7/26/2023	147.3960	2.4758	10.0511	14.6734	7.2082	9.5809	0.3883	0.1150	6.1253	13.3895	18.6642	4.1500	10.7181	1.7978	0.1887	0.0900
7/27/2023	154.9596	2.4821	10.5829	15.1462	7.4141	9.9993	0.4615	0.1150	5.8803	12.6828	19.1913	4.3193	11.1997	1.8884	0.1932	0.0900
7/28/2023	149.0551	2.4730	10.2989	14.8487	7.2519	9.7465	0.4100	0.1150	5.8869	12.9382	18.9282	4.1337	10.9625	1.7791	0.1795	0.0900
7/29/2023	146.3754	2.6029	10.2464	14.9978	7.4663	9.8615	0.4505	0.1150	6.1510	11.8270	19.3790	4.0360	10.9236	1.6677	0.1460	0.0900
7/30/2023	146.3141	2.5927	10.3624	15.1567	7.7658	10.1299	0.4059	0.1150	6.3545	11.8742	19.6818	3.9362	11.1382	1.7215	0.1416	0.0900
7/31/2023	151.7827	2.5708	10.3108	14.7227	7.6281	9.9646	0.9178	0.1150	6.1260	11.8275	19.9556	4.2173	11.2389	1.8490	0.1935	0.0900
Total	4325.01529	79.56478	307.995	446.222	221.3245	300.2717	32.07826	3.565	179.5839	363.9767	577.323	123.703	331.491	54.9162	4.11136	2.79

**Monthly Flow Review August 2023**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<b>Station</b>	<b>Event/Problem Occurred</b>	<b>Event/Problem Description</b>
91WWTP	8/1-8/31	Influent Metering Station used as billing meter.
	8/29/2023	23WWTP Diverting Flow to the 91WWTP
GL02	8/1-8/31	Laser 2 (Phoenix) used as billing meter.
GL03	8/1-8/10, 8/21-8/31	Phoenix Laser used as billing meter.
	8/17-8/20	Phoneix laser not operational, Glendale laser used for billing purposes.
	8/11-8/16	Both lasers not operational, used August 2023 data for billing purposes, 8/4-8/9.
GL04	8/1-8/31	Flume data used for report.
ME01	8/1-8/6, 8/10-8/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	8/7-8/9	Flume not operational, used August 2023 data for billing purposes (8/14-8/16)
ME02	8/1-8/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	8/1-8/10, 8/30-8/31	Flume used as billing meter
	8/11-8/29	Flume not operational, used July and August 2023 data for billing purposes (7/14/2023 - 8/1/2023)
PV02	8/1-8/16, 8/24-8/31	Laser used as billing meter.
	8/17-8/23	Laser not reporting correctly, used flume data for billing purposes.
SD01	8/1-8/31	Phoenix Laser used as billing meter.
TP01	8/1-8/31	Flume used as billing meter
TP02	8/1-8/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	8/1-8/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	8/1-8/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	8/1-8/31	Flume used as billing meter

DTTM	MS_FLOW	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
8/1/2023	160.4749	2.4487	11.9590	16.6686	7.7341	9.6462	1.3575	0.1150	5.9892	11.6297	19.8948	4.1300	10.8709	1.8316	0.1547	0.0900
8/2/2023	155.4653	2.5478	10.0260	14.6203	7.9075	9.5941	0.6448	0.1150	6.0219	11.8015	20.0380	4.2647	10.8010	1.8151	0.1261	0.0900
8/3/2023	151.4833	2.4608	9.7618	14.5270	7.8707	9.4569	0.3949	0.1150	5.9953	11.3629	19.6062	4.0698	10.7882	1.7975	0.1155	0.0900
8/4/2023	150.4134	2.4720	9.7437	14.2279	7.6675	9.2632	0.5311	0.1150	5.9844	11.6472	19.6651	3.9822	10.5122	1.7279	0.0984	0.0900
8/5/2023	151.3256	2.5666	10.2772	15.1184	7.9342	9.3816	0.4691	0.1150	6.1891	11.7064	19.6247	3.9756	10.4538	1.6329	0.0742	0.0900
8/6/2023	154.9345	2.5331	10.8019	15.7864	8.2582	9.5351	0.4930	0.1150	6.5210	11.7497	20.6949	4.2328	10.6861	1.6571	0.0866	0.0900
8/7/2023	162.3091	2.4716	10.4130	15.0901	8.1814	9.5927	0.4511	0.1150	6.1357	12.4257	20.9797	4.3695	10.8295	1.8388	0.1317	0.0900
8/8/2023	157.8791	2.5638	10.1448	14.5680	8.1550	9.0066	0.5778	0.1150	6.1676	12.6459	20.1147	4.3373	10.0878	1.8676	0.1420	0.0900
8/9/2023	156.9647	2.6322	10.2426	14.8380	8.1601	9.0972	0.5066	0.1150	6.1207	12.6089	19.5674	4.4747	11.0583	1.8031	0.1406	0.0900
8/10/2023	158.4504	2.6169	12.3088	17.0797	8.2625	9.0934	0.4193	0.1150	6.2431	13.0364	17.4592	4.3950	12.9333	1.8405	0.1324	0.0900
8/11/2023	156.4558	2.6149	9.7437	15.1384	8.2005	9.1340	0.3363	0.1150	6.1549	12.6223	17.9984	4.3328	12.8674	1.7489	0.1202	0.0900
8/12/2023	154.8813	2.7549	10.2772	15.6708	8.3523	9.2538	0.3551	0.1150	6.2665	12.5563	17.9828	4.2868	12.7160	1.6209	0.0832	0.0900
8/13/2023	155.6841	2.7685	10.8019	15.8153	8.5736	9.3628	0.3669	0.1150	6.5356	11.9966	18.5506	4.5144	12.5035	1.7060	0.0848	0.0900
8/14/2023	159.2691	2.6816	10.4130	15.2840	8.1814	9.2420	0.9394	0.1150	6.0900	11.7948	17.9978	4.6981	12.7802	1.7643	0.1260	0.0900
8/15/2023	155.0577	2.6058	10.1448	14.7074	8.1550	9.0514	0.6649	0.1150	6.1190	11.6216	18.0451	4.9170	12.4882	1.7592	0.1461	0.0900
8/16/2023	158.8689	2.6629	10.2426	15.0605	8.1601	9.1365	0.3342	0.1150	5.9010	11.8959	18.0363	5.0741	12.5844	1.8012	0.1485	0.0900
8/17/2023	157.7540	2.6533	12.7641	16.6417	8.0599	9.0326	0.3364	0.1150	5.9952	11.8457	17.6100	5.0737	12.4295	1.8171	0.1443	0.0900
8/18/2023	155.4505	2.6611	10.8350	14.3997	7.8759	9.1188	0.5276	0.1150	6.0543	12.0781	17.6463	4.9543	12.6229	1.7794	0.1239	0.0900
8/19/2023	156.3573	2.8071	12.1301	15.6111	7.9573	9.5736	0.4303	0.1150	6.0714	12.2632	17.6763	4.7768	12.7872	1.6984	0.0955	0.0900
8/20/2023	156.6993	2.7913	12.3997	15.9059	8.0809	10.0038	0.3785	0.1150	6.3186	12.1967	17.8576	4.9211	13.4087	1.6430	0.1004	0.0900
8/21/2023	157.6866	2.7409	10.6205	14.9832	7.9495	9.6493	0.4983	0.1150	5.8855	12.4833	17.8971	5.0631	13.2563	1.7791	0.1423	0.0900
8/22/2023	156.1156	2.7161	10.6295	15.0230	8.0637	9.4410	0.3579	0.1150	5.8812	12.1847	17.7891	5.0645	13.1583	1.8540	0.1544	0.0900
8/23/2023	154.7793	2.6713	10.7999	15.4018	8.0889	9.2132	0.3883	0.1150	5.8735	11.9106	17.7056	4.9927	12.5712	1.7719	0.1408	0.0900
8/24/2023	155.3152	2.6736	10.3862	15.0035	7.9677	9.2017	0.4615	0.1150	6.1164	12.0847	17.8228	5.0919	12.5896	1.7997	0.1497	0.0900
8/25/2023	154.8179	2.6979	10.2238	14.8998	7.8722	9.1622	0.4100	0.1150	6.1008	12.4992	17.4907	4.8031	12.8677	1.7507	0.1342	0.0900
8/26/2023	156.4540	2.8457	10.8170	15.5134	8.3207	9.2174	0.4505	0.1150	6.3250	12.6761	17.5119	4.7081	12.6969	1.6596	0.1088	0.0900
8/27/2023	160.8483	2.8092	11.1205	15.7843	8.6672	9.4122	0.4059	0.1150	6.6215	12.9280	18.1429	4.9478	12.7396	1.6660	0.1103	0.0900
8/28/2023	163.2368	2.6801	11.5056	16.3309	8.0858	9.6076	0.9178	0.1150	6.2536	12.6751	17.7882	5.1525	13.3205	1.8114	0.1480	0.0900
8/29/2023	175.9592	2.7047	10.6159	15.1694	7.6139	9.7840	1.3575	0.1150	6.1764	12.6893	17.4305	5.0715	13.4899	1.7932	0.1629	0.0900
8/30/2023	159.9817	2.6891	10.1756	14.9625	7.7484	9.9022	0.8185	0.1150	6.2260	13.3258	17.7056	5.0116	13.2549	1.8282	0.1786	0.0900
8/31/2023	156.8005	2.7088	10.1872	14.8087	7.8292	9.6125	0.9400	0.1150	6.2920	13.2055	17.7750	5.0944	13.2875	1.9265	0.1971	0.0900
Total	4878.173	82.25235	332.5127	474.6393	249.9351	290.7796	17.5212	3.565	190.6264	380.1477	572.1054	144.7817	379.4414	54.79068	4.00225	2.79

**Monthly Flow Review September 2023**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<b>Station</b>	<b>Event/Problem Occurred</b>	<b>Event/Problem Description</b>
91WWTP	9/1-9/30	Influent Metering Station used as billing meter.
	9/1/2023	23WWTP diverting flows to 91WWTP.
	9/5/2023	Rainfall Event
GL02	9/1-9/30	Laser 2 used as billing meter.
GL03	9/1-9/30	Phoenix Laser used as billing meter.
GL04	9/1-9/30	Flume data used for report.
ME01	9/1-9/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	9/1-9/30	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	9/1-9/30	Flume used as billing meter
PV02	9/1-9/30	Laser used as billing meter.
SD01	9/1-9/30	Phoenix Laser used as billing meter.
TP01	9/1-9/11, 9/14-9/30	Flume used as billing meter
	9/12-9/13	Station lost power, used September 2023 data for billing purposes - 9/05-9/06.
TP02	9/1-9/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	9/1-9/30	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	9/1-9/30	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	9/1-9/30	Flume used as billing meter



DTTM	MS_FLOW	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
9/1/2023	167.0767	2.7977	10.4909	15.0263	7.8424	9.7233	1.0845	0.1150	6.3490	12.6329	17.7578	5.0433	13.4222	1.8460	0.2011	0.0900
9/2/2023	153.3070	2.8888	10.7677	15.2638	7.9505	9.5139	0.8970	0.1150	6.2835	12.6282	17.4073	4.8373	13.1361	1.7727	0.1750	0.0900
9/3/2023	150.4303	2.7246	10.4437	14.8718	7.7438	9.3316	1.2692	0.1150	6.1262	12.7075	17.2535	4.6061	12.6215	1.7878	0.1636	0.0900
9/4/2023	156.1294	2.8371	11.2376	15.7667	8.2797	9.8378	1.0206	0.1150	6.3879	12.6317	17.9896	4.8691	13.1767	1.7236	0.1666	0.0900
9/5/2023	161.2148	2.6903	10.2592	14.7232	7.7450	9.7448	1.2430	0.1150	6.0296	12.0663	17.7466	4.8882	13.0972	1.7978	0.1718	0.0900
9/6/2023	158.6365	2.7070	10.2792	14.6228	7.5958	9.7729	0.9622	0.1150	5.9522	12.1516	17.0721	4.9094	13.2569	1.7925	0.1529	0.0900
9/7/2023	156.0650	2.6584	9.7581	14.2056	7.6042	9.6604	0.8760	0.1150	5.8279	11.9416	17.2733	4.9147	13.2628	1.8310	0.1516	0.0900
9/8/2023	153.1889	2.7225	9.8911	14.4146	7.4615	9.5691	0.4591	0.1150	5.7538	12.3482	17.1796	4.8252	12.9750	1.7357	0.1261	0.0900
9/9/2023	154.6321	2.8734	10.6936	15.5313	7.7214	9.8038	0.6014	0.1150	6.1088	11.7897	16.9775	4.7861	13.3149	1.6562	0.1009	0.0900
9/10/2023	155.6645	2.7314	10.8434	15.7300	8.1026	10.0292	0.4914	0.1150	6.2339	11.9884	17.5292	4.8449	13.3483	1.6395	0.1055	0.0900
9/11/2023	157.4463	2.6687	10.5474	15.1342	7.7470	9.9215	0.5837	0.1150	5.9357	11.7776	17.5040	4.9011	13.5038	1.7679	0.1330	0.0900
9/12/2023	158.8275	2.7323	12.4010	16.9933	7.6694	9.7708	0.4358	0.1150	5.8932	12.1044	17.7466	5.0646	13.3021	1.8236	0.0912	0.0900
9/13/2023	163.1007	2.7376	11.0072	15.7265	7.9266	10.3368	0.4951	0.1150	5.8901	12.8021	17.0721	5.0690	13.8424	1.8606	0.1038	0.0900
9/14/2023	155.6367	2.6790	9.9364	14.3675	7.9174	9.8892	0.3945	0.1150	5.9317	12.5134	17.3663	4.9382	13.4302	1.8368	0.1462	0.0900
9/15/2023	153.6117	2.7021	9.7405	14.1554	8.0615	9.5052	0.5114	0.1150	5.8959	12.1260	19.9531	4.7902	11.1208	1.7304	0.1257	0.0900
9/16/2023	153.3719	2.8185	10.3308	14.8220	8.3627	9.6125	0.4046	0.1150	6.1648	12.2317	22.6806	4.7265	8.9146	1.6104	0.0967	0.0900
9/17/2023	155.6958	2.8085	10.8759	15.7191	8.6264	9.7115	0.5473	0.1150	6.3863	11.9181	23.1552	4.8006	8.9135	1.6205	0.0955	0.0900
9/18/2023	157.6715	2.6941	10.1199	14.7186	8.3556	9.4688	0.4033	0.1150	5.9659	12.1333	22.1740	4.9828	9.1434	1.7442	0.1334	0.0900
9/19/2023	152.9859	2.7625	9.7828	14.2533	8.0627	9.3389	0.4763	0.1150	5.8747	12.1316	21.5313	4.9305	8.9819	1.7349	0.1468	0.0900
9/20/2023	151.9401	2.6619	9.9284	14.1755	8.1085	9.3576	0.3639	0.1150	5.8946	12.3353	21.1830	4.8130	8.9962	1.7250	0.1418	0.0900
9/21/2023	152.7703	2.7003	10.6826	14.9810	7.7023	9.6524	0.4836	0.1150	6.1179	12.6790	20.9191	4.8517	9.1646	1.7319	0.1329	0.0900
9/22/2023	152.5487	2.7352	9.8653	14.2351	7.6354	9.5295	0.4014	0.1150	5.9461	11.9647	21.2500	4.7646	9.1934	1.6784	0.1169	0.0900
9/23/2023	150.7961	2.7671	10.1195	14.7185	7.8880	9.7181	0.3890	0.1150	6.0777	12.1082	21.6431	4.8019	9.0108	1.5511	0.0855	0.0900
9/24/2023	153.4736	2.7737	11.0038	15.8118	8.1111	9.9691	0.5717	0.1150	6.3608	12.0280	22.5153	4.8064	9.1795	1.5606	0.0817	0.0900
9/25/2023	156.5028	2.7230	10.2658	14.8542	7.9049	9.7021	0.9541	0.1150	6.0969	12.0674	21.5997	4.8480	9.1660	1.7115	0.1228	0.0900
9/26/2023	154.3936	2.6004	9.6230	14.2668	7.6470	10.7365	0.4763	0.1150	5.8462	12.3053	21.3740	4.8463	9.6743	1.7537	0.1668	0.0900
9/27/2023	155.6855	2.6004	9.9477	14.6695	7.7059	11.4563	0.5433	0.1150	5.8623	12.1670	21.6451	4.7458	10.2247	1.7620	0.1750	0.0900
9/28/2023	154.5088	2.6000	10.0093	14.4274	7.8345	11.3802	0.6853	0.1150	5.9024	11.9774	22.1372	4.7619	10.1792	1.7010	0.1745	0.0900
9/29/2023	155.5560	2.5952	9.8754	14.4967	7.8448	11.2948	0.6278	0.1150	5.9091	12.1787	21.5948	4.7433	10.1729	1.7014	0.1506	0.0900
9/30/2023	157.0496	2.6351	10.7663	15.3700	7.9799	11.5944	0.3976	0.1150	6.1774	12.4840	22.6413	4.4631	10.0351	1.6087	0.1189	0.0900
Total	4669.918	81.6267	311.4935	448.0522	237.1382	298.933	19.05039	3.45	181.1826	366.9195	591.8721	145.1735	337.7611	51.79765	4.05476	2.7

**Monthly Flow Review October 2023**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	10/1-10/31	Influent Metering Station used as billing meter.
GL02	10/1-10/31	Laser 2 used as billing meter.
GL03	10/1-10/4, 10/19-10/31	Phoenix Laser (Laser 2) used as billing meter.
	10/5/2023	Both lasers not operational, used historical October 2023 flow (10/12) for billing purposes.
	10/6-10/18	Laser 2 not operational, used Laser 1 data for billing purposes.
GL04	10/1-10/31	Flume data used for report.
ME01	10/1-10/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	10/1-10/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	10/1-10/31	Flume used as billing meter
PV02	10/1-10/20	Laser used as billing meter.
	10/21-10/31	Laser not operational, flume data used for billing purposes.
SD01	10/1-10/31	Phoenix Laser used as billing meter.
TP01	10/1-10/8, 10/11-10/31	Flume used as billing meter
	10/9-10/10	Flume not operational, used historical October 2023 data for billing purposes (10/16-10/17)
TP02	10/1-10/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	10/1-10/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	10/1-10/8, 10/11-10/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	10/9-10/10	Flume not operational, used historical October 2023 data for billing purposes (10/16-10/17)
TP05		Flume used as billing meter

DTTM	MS_FLOW9	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
10/1/2023	149.3139	2.6388	11.0544	15.5685	8.2722	11.8354	0.4420	0.1150	6.5073	12.6851	22.8684	4.6215	10.1191	1.5910	0.1188	0.0900
10/2/2023	152.1742	2.4995	10.6201	15.0677	6.3870	13.2802	0.4043	0.1150	5.9336	12.4228	21.2396	4.8060	10.9372	1.6750	0.1645	0.0900
10/3/2023	149.2410	2.5559	10.1020	14.4367	5.9134	13.6441	0.3847	0.1150	5.8222	12.0713	20.4705	4.7631	11.2733	1.6852	0.1419	0.0900
10/4/2023	149.2596	2.7355	10.1930	14.4731	5.9481	13.7986	0.4202	0.1150	5.8839	12.5950	20.8646	4.8095	11.3660	1.7335	0.1291	0.0900
10/5/2023	151.0329	2.7715	11.1505	14.4835	5.8781	12.3429	1.5771	0.1150	5.8849	11.9611	20.1523	4.7456	10.7569	1.6489	0.1189	0.0900
10/6/2023	146.9325	2.8086	12.8224	14.6062	5.7859	11.6000	0.5939	0.1150	5.7767	13.6789	19.4424	4.6714	10.2267	1.6680	0.0965	0.0900
10/7/2023	144.9026	2.9192	11.5275	14.9677	5.9408	11.7052	0.6288	0.1150	5.9524	14.2166	19.6712	4.5038	10.0292	1.6077	0.0779	0.0900
10/8/2023	144.0070	2.8950	11.7469	15.0907	5.9983	11.7493	0.8759	0.1150	5.9624	13.3911	19.6007	4.3997	10.0059	1.5983	0.0775	0.0900
10/9/2023	146.4315	2.7754	11.4752	14.8087	5.9840	11.6451	0.7012	0.1150	5.7192	12.2899	20.4799	4.3942	10.2469	1.6533	0.1203	0.0900
10/10/2023	146.8976	2.8598	11.0499	14.4064	6.1682	11.4410	0.7886	0.1150	5.6468	11.8041	20.3559	4.5413	10.0424	1.6908	0.1269	0.0900
10/11/2023	146.6529	2.8128	11.1879	14.2047	6.0889	11.3865	0.5517	0.1150	5.5834	12.2987	20.1413	4.7330	10.1389	1.6078	0.1256	0.0900
10/12/2023	146.7273	2.8014	11.1505	14.1681	5.7253	11.4313	1.2963	0.1150	5.6238	12.4580	19.6628	4.7722	10.0837	1.6450	0.1103	0.0900
10/13/2023	145.9463	2.7989	11.2602	14.3654	5.7007	11.3993	0.6244	0.1150	5.5837	12.2085	19.3826	4.7456	10.0604	1.6669	0.1019	0.0900
10/14/2023	148.8110	2.9031	11.6974	14.8496	5.7938	11.6868	0.7548	0.1150	5.8680	12.4888	19.9625	4.6035	10.0677	1.5293	0.0719	0.0900
10/15/2023	150.5160	2.8561	12.1441	15.3580	5.9387	12.0083	0.6956	0.1150	6.1397	12.5574	20.5451	4.7388	10.2458	1.5126	0.0746	0.0900
10/16/2023	153.9881	2.8765	11.6422	14.8592	6.2016	11.9403	0.6611	0.1150	5.8587	12.6862	20.4799	4.9088	10.3747	1.6533	0.1134	0.0900
10/17/2023	151.7236	2.8492	11.2195	14.5818	6.0540	11.7868	0.5148	0.1150	5.8106	12.3051	20.3559	4.9261	10.3427	1.6908	0.1329	0.0900
10/18/2023	151.8237	2.7873	10.3984	14.5780	6.0149	11.7403	0.6623	0.1150	5.7733	11.9213	19.9549	4.8640	10.4781	1.6956	0.1314	0.0900
10/19/2023	150.0251	2.7579	10.3223	14.6287	5.9144	11.8264	0.5041	0.1150	5.8669	11.7615	20.2243	4.8093	10.5774	1.6961	0.1198	0.0900
10/20/2023	151.6887	2.7581	10.0659	14.3455	5.8396	11.7667	0.8153	0.1150	5.9051	12.5156	20.0694	4.8283	10.4253	1.6494	0.1081	0.0900
10/21/2023	150.3174	2.9475	10.6325	15.1381	6.0109	11.9083	0.6359	0.1150	5.9644	12.2168	19.8799	4.6233	10.1931	1.5961	0.0862	0.0900
10/22/2023	150.2182	2.8822	10.9939	15.4061	6.2194	12.2417	0.8532	0.1150	6.1257	12.1785	20.8361	4.6959	10.3951	1.5635	0.0844	0.0900
10/23/2023	152.9981	2.8608	10.5166	14.7975	6.1049	11.9073	0.6338	0.1150	5.8930	11.7769	20.4753	4.8492	10.5257	1.6760	0.1303	0.0900
10/24/2023	151.3159	2.8307	10.4031	14.4434	6.2222	11.9149	0.5164	0.1150	5.5005	12.0572	20.4927	4.9296	10.4917	1.6758	0.1411	0.0900
10/25/2023	151.6955	2.8019	10.5225	14.7102	6.2889	12.0472	0.3842	0.1150	5.5766	11.9726	20.6563	4.9677	10.6243	1.6476	0.1402	0.0900
10/26/2023	151.0989	2.7957	10.3347	14.5269	6.2181	12.0743	0.4778	0.1150	5.5871	11.8071	20.6646	4.8399	10.4993	1.6522	0.1263	0.0900
10/27/2023	152.3791	2.7631	10.2206	14.3170	6.2040	11.9257	0.4640	0.1150	5.6498	12.1137	20.5868	4.8654	10.4451	1.6525	0.0972	0.0900
10/28/2023	152.4236	2.8296	10.7497	15.0045	6.2208	12.3486	0.6201	0.1150	5.7681	12.5326	20.8118	4.8088	10.4465	1.5667	0.0740	0.0900
10/29/2023	150.7137	2.7683	11.2843	15.5909	6.2038	12.5663	0.4792	0.1150	5.8815	12.6274	20.8597	4.7178	10.4604	1.5488	0.0735	0.0900
10/30/2023	153.0000	2.7646	10.5659	14.6975	6.0104	12.3601	0.5239	0.1150	5.6972	12.1877	20.3635	4.8488	10.6267	1.6550	0.1059	0.0900
10/31/2023	150.3605	3.0242	9.9072	13.8448	5.8012	11.9854	0.3104	0.1150	5.4020	11.3684	19.7747	4.7810	10.3528	1.6884	0.0976	0.0900
Total	4644.6163	86.9291	338.9614	456.3254	189.0526	373.2943	19.7962	3.5650	180.1487	383.1559	631.3255	147.1131	322.8590	50.8214	3.4190	2.7900

**Monthly Flow Review Novmeber 2023**

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<b>Station</b>	<b>Event/Problem Occurred</b>	<b>Event/Problem Description</b>
91WWTP	11/1-11/30	Influent Metering Station used as billing meter.
	11/3-11/17	23WWTP diverting flows to 91WWTP.
GL02	11/1-11/10	Laser 2 used as billing meter.
	11/11-11/22	Both lasers not operational, SRP maintenance work in area. Historical October and November 2023 data used for billing purposes (10/28-11/8).
	11/22-11/30	Temporary laser flow meter installation 11/22/2023, data used for billing purposes.
GL03	11/1-11/30	Phoenix Laser (Laser 2) used as billing meter.
GL04	11/1-11/30	Flume data used for report.
ME01	11/1-11/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	11/1-11/30	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	11/1-11/30	Flume not operational, used historical September and October 2023 for billing purposes (9/27-10/26).
PV02	11/1-11/30	Laser not operational, flume data used for billing purposes.
SD01	11/1-11/30	Phoenix laser not operational, Scottsdale laser data used for billing purposes.
TP01	11/1-11/17	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	11/18-11/30	Flume reading incorrectly, audited using TP03 data using the following flow validation equation, $TP01 = TP03 + 10.60MGD$ . Flow difference determined based on the period of 11/1-11/17.
TP02	11/1-11/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	11/1-11/2	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	11/3-11/30	Communication issues, data logger not available. Used flow equation $TP03 = SA02-15.53MGD$ , flow difference determined for the period of 9/17/2023 to 10/31/2023.
TP04	11/1-11/30	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	11/1-11/30	Flume used as billing meter

DTTM	MS_FLOW91	MS_GLO2	MS_GLO3	MS_GLO4	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01		
11/1/2023	153.0599	2.9911	10.4267	14.1783	6.0217	12.2417	0.5433	0.1150	5.5905	11.8761	19.9858	4.8849	10.3868	1.6298	0.1021	0.0900	13.9641	-1.8549
11/2/2023	157.6364	2.8484	10.3113	14.2828	6.0906	12.3368	0.6853	0.1150	5.5312	12.1940	20.7021	4.8613	10.6351	1.6475	0.0987	0.0900	14.6115	-1.7017
11/3/2023	175.7332	2.8664	10.1012	14.1709	5.9813	12.1338	0.6278	0.1150	5.6655	12.4911	20.1909	4.6976	10.0157	1.6026	0.1188	0.0900	14.2096	-2.1181
11/4/2023	188.1203	3.0101	10.7956	15.0681	6.1851	12.5014	0.3976	0.1150	5.9269	12.5483	21.0760	4.5884	10.3230	1.5599	0.0738	0.0900	14.8910	-2.1784
11/5/2023	189.7672	3.0192	11.4561	15.8373	6.3776	12.8385	0.4420	0.1150	6.1050	12.6531	21.6031	4.6414	10.8661	1.5305	0.0591	0.0900	15.2255	-1.9725
11/6/2023	191.2173	2.9390	10.7782	14.9832	6.3304	12.5038	0.4043	0.1150	5.7502	12.6500	21.1663	4.7960	10.5299	1.6757	0.0989	0.0900	14.8359	-1.9739
11/7/2023	189.5264	2.8762	10.2482	14.4686	6.2106	12.4771	0.3847	0.1150	5.7199	12.7206	20.8389	4.8595	10.3758	1.7218	0.1163	0.0900	14.6283	-2.1013
11/8/2023	189.3842	2.8164	10.1674	14.6263	6.2472	12.2847	0.4202	0.1150	5.8963	12.6499	20.6354	4.7496	10.2784	1.6828	0.1314	0.0900	14.3882	-2.0063
11/9/2023	186.9376	2.8799	9.7739	13.9987	6.1299	12.4306	1.5771	0.1150	5.7843	12.5928	20.4611	4.7318	10.4314	1.6928	0.1175	0.0900	14.3313	-1.9992
11/10/2023	186.3841	2.8728	10.3888	14.6195	6.2616	12.4569	0.5939	0.1150	5.8635	12.6967	21.3976	4.6313	10.1432	1.6459	0.0904	0.0900	15.1359	-2.3137
11/11/2023	188.1184	2.8296	10.6962	15.0262	6.3880	12.6281	0.6288	0.1150	6.1545	12.5817	21.6302	4.5885	10.3788	1.5836	0.0735	0.0900	15.2422	-2.2493
11/12/2023	190.1197	2.7683	10.8519	15.8412	6.5328	13.0625	0.8759	0.1150	6.4961	12.8227	22.1545	4.6375	11.0338	1.4761	0.0862	0.0900	15.6217	-2.0287
11/13/2023	192.0271	2.7646	11.9702	16.6239	6.3726	12.8479	0.7012	0.1150	6.0481	12.7097	21.9358	4.7996	11.1036	1.6352	0.1092	0.0900	15.5632	-1.7443
11/14/2023	189.5825	3.0242	9.9756	14.3356	6.3280	12.3684	0.7886	0.1150	5.9950	12.7565	21.3285	4.7053	9.9965	1.6865	0.1079	0.0900	15.0005	-2.3719
11/15/2023	188.9074	2.9911	9.8046	14.1334	6.2816	12.3417	0.5517	0.1150	6.1260	12.6608	21.3552	4.7428	10.6625	1.6662	0.1103	0.0900	15.0736	-1.6791
11/16/2023	185.7602	2.8484	9.6547	14.3299	6.2417	12.7122	1.2963	0.1150	6.0325	12.8031	21.3514	4.7785	10.7242	1.6943	0.1072	0.0900	15.1097	-1.9880
11/17/2023	177.0949	2.8664	9.4467	14.4555	6.2290	13.3788	0.6244	0.1150	6.1722	12.3205	22.0046	4.7081	11.4057	1.6832	0.0992	0.0900	15.7756	-1.9732
11/18/2023	164.4147	3.0101	11.9357	16.4245	6.0844	13.1406	0.7548	0.1150	6.4096	12.7844	21.9899	4.5330	11.3909	1.5907	0.0764	0.0900	15.9055	-1.7497
11/19/2023	163.6076	3.0192	11.3129	15.4498	6.2122	13.3663	0.6956	0.1150	6.7101	13.0203	22.4802	4.5144	11.8813	1.5495	0.0601	0.0900	16.2680	-1.4850
11/20/2023	160.0220	2.9390	10.6094	14.5886	5.9479	13.3299	0.6611	0.1150	6.2790	12.6631	21.6562	4.7744	11.0573	1.6540	0.0939	0.0900	15.7083	-2.2726
11/21/2023	157.1253	2.8762	10.4196	14.3008	5.7953	12.5944	0.5148	0.1150	6.0488	12.8244	21.4360	4.4926	10.8370	1.6550	0.1073	0.0900	15.6406	-1.7574
11/22/2023	158.2051	2.8164	10.7146	14.8137	5.9040	12.8188	0.6623	0.1150	6.3023	12.7005	21.6295	4.3285	11.0306	1.6380	0.0969	0.0900	15.7255	-1.7882
11/23/2023	161.1736	2.9386	11.4407	15.6250	6.0257	13.1035	0.5041	0.1150	6.1186	12.2333	22.4307	3.7233	11.8318	1.4529	0.0493	0.0900	16.4050	-1.2717
11/24/2023	139.9188	2.7647	9.5074	12.9911	5.3906	11.8396	0.8153	0.1150	5.7519	11.7013	19.5615	3.6703	8.9626	1.5052	0.0567	0.0900	14.1709	-2.8770
11/25/2023	152.4777	2.7915	10.7012	14.5352	5.7512	12.3851	0.6359	0.1150	6.0617	12.3070	20.8880	3.9163	10.2891	1.5417	0.0524	0.0900	15.1368	-2.0960
11/26/2023	155.3452	2.7990	11.3194	15.3156	5.9120	13.5340	0.8532	0.1150	6.4146	12.2659	21.2260	4.1658	10.6271	1.5530	0.0513	0.0900	15.3140	-2.9069
11/27/2023	158.6486	2.8491	10.4379	14.4739	5.8349	12.7205	0.6338	0.1150	6.0352	12.4721	21.6428	4.5603	11.0439	1.6195	0.1042	0.0900	15.8079	-1.6766
11/28/2023	157.2407	2.7141	10.2038	14.1618	5.6844	12.4361	0.5164	0.1150	5.8200	12.8851	21.4367	4.6693	10.8378	1.6234	0.1277	0.0900	15.7524	-1.5983
11/29/2023	157.5651	2.6703	10.5983	14.5174	5.6814	12.9889	0.3842	0.1150	5.9769	13.0225	21.6047	4.5683	11.0058	1.6339	0.1450	0.0900	15.9233	-1.9831
11/30/2023	159.5260	2.6953	10.5543	14.4043	4.9507	12.4816	0.4778	0.1150	5.7630	13.0694	21.0769	4.6397	10.4780	1.6590	0.1540	0.0900	16.1262	-2.0036
Total	5164.6470	86.0956	316.6023	442.5812	181.3843	380.2841	19.6526	3.4500	180.5493	377.6769	638.8763	136.9586	320.5637	48.4901	2.8755	2.7000		

**Monthly Flow Review December 2023**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<b>Station</b>	<b>Event/Problem Occurred</b>	<b>Event/Problem Description</b>
91WWTP	12/1-12/31	Influent Metering Station used as billing meter.
	12/21-12/28, 12/31	23WWTP diverting to 91WWTP.
GL02	12/1-12/31	Temporary laser flow meter installation 11/22/2023 due to SRP work in the area resulting in the loss of data. Data from the temporary meter used for billing purposes.
GL03	12/1-12/31	Phoenix Laser (Laser 2) used as billing meter.
GL04	12/1-12/31	Flume data used for report.
ME01	12/1-12/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	12/1-12/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	12/1-12/15	Flume not operational, used historical October 2023 for billing purposes (10/06-10/27).
	12/16-12/31	Flume used as billing meter.
PV02	12/1-12/31	Laser not operational, flume data used for billing purposes.
SD01	12/1-12/21	Phoenix laser not operational, Scottsdale laser data used for billing purposes.
	12/22-12/31	Phoenix laser used as billing meter.
TP01	12/1-12/5	Flume reading incorrectly, audited using TP03 data using the following flow validation equation, $TP01 = TP03 + 10.60MGD$ . Flow difference determined based on the period of 11/1-11/17.
	12/6-12/31	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP02	12/1-12/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	12/1-12/31	Communication issues, data logger not available. Used flow equation $TP03 = SA02 - 15.53MGD$ , flow difference determined for the period of 9/17/2023 to 10/31/2023.
TP04	12/1-12/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	12/1-12/31	Flume used as billing meter

DTTM	MS_FLOW91	MS_GLO2	MS_GLO3	MS_GLO4	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
12/1/2023	154.4227	2.7256	10.2094	13.8409	4.8250	12.4351	0.6244	0.0115	5.6685	12.7612	21.1952	4.6619	10.5952	1.6402	0.1540	0.0900
12/2/2023	154.2536	2.8347	10.9038	14.7954	4.8924	12.6247	0.7548	0.0115	5.9820	13.2727	20.8698	4.5922	10.2698	1.5320	0.0603	0.0900
12/3/2023	152.7787	2.7917	11.2153	15.4216	5.0776	12.9792	0.6956	0.0115	6.3660	13.0833	21.2786	4.4007	10.6786	1.5451	0.0609	0.0900
12/4/2023	153.1932	2.6978	10.5250	14.5615	4.9387	12.6267	0.6611	0.0115	5.9544	13.0370	21.4174	4.5649	10.8174	1.6731	0.0985	0.0900
12/5/2023	151.3920	2.7345	10.3799	14.1564	4.7773	12.2958	0.5148	0.0115	5.8843	12.7550	21.1702	4.5318	10.5702	1.7149	0.1236	0.0900
12/6/2023	149.6031	2.6186	10.4115	14.1204	4.7512	12.3024	0.6623	0.0115	5.8100	12.7783	20.9542	4.4949	10.2706	1.6317	0.1352	0.0900
12/7/2023	151.0770	2.6920	10.3188	13.9782	4.6323	12.1608	0.5041	0.0115	5.7141	12.8922	20.9056	4.4425	10.4518	1.6454	0.1323	0.0900
12/8/2023	149.3018	2.7373	10.0979	13.6905	4.5326	11.9799	0.8153	0.0115	5.7455	12.9317	20.6451	4.3428	10.0979	1.5712	0.0879	0.0900
12/9/2023	152.1347	2.7502	10.7273	14.5583	4.6724	12.2931	0.6359	0.0115	6.0416	13.5691	20.5632	4.0990	10.2277	1.4815	0.0885	0.0900
12/10/2023	151.3250	2.7867	11.1021	15.0663	4.8823	13.7670	0.8532	0.0115	6.3379	13.3476	21.9257	4.0008	10.9054	1.4597	0.0803	0.0900
12/11/2023	150.3033	2.7220	10.2187	14.3153	4.7569	12.4052	0.6338	0.0115	6.1437	13.1514	20.9701	4.0140	10.7226	1.5898	0.1146	0.0900
12/12/2023	149.3410	2.6083	10.0292	13.8107	4.6908	12.0646	0.5164	0.0115	5.9731	13.2623	20.8868	3.8175	10.5020	1.5797	0.0934	0.0900
12/13/2023	154.1048	2.6070	10.4109	14.0239	4.7207	12.2344	0.3842	0.0115	5.8187	12.9696	21.2347	3.7539	10.7878	1.5769	0.1033	0.0900
12/14/2023	146.7493	2.6338	10.4683	13.6631	4.6285	12.1507	0.4778	0.0115	5.7514	13.2042	21.0396	3.8068	11.0699	1.6324	0.0890	0.0900
12/15/2023	146.7911	2.6345	10.2412	13.6891	4.5630	12.0021	0.4640	0.0115	5.6635	12.4687	20.7292	3.7790	9.9561	1.5958	0.0765	0.0900
12/16/2023	145.6264	2.7467	11.0220	14.6868	4.7585	12.2917	1.0674	0.0115	6.0106	12.5509	20.7757	3.6734	10.5206	1.4723	0.0578	0.0900
12/17/2023	145.9753	2.7093	11.8714	15.5251	4.9021	12.4785	1.1855	0.0115	6.2436	12.8324	20.7465	3.6387	10.2525	1.4620	0.0560	0.0900
12/18/2023	147.3783	2.6575	10.8181	14.2905	4.7531	12.3552	1.0092	0.0115	6.0553	12.8853	20.8431	3.6494	10.7735	1.5639	0.0850	0.0900
12/19/2023	148.0374	2.7379	10.2694	13.7862	4.6479	11.8563	1.1384	0.0115	6.0139	12.4664	20.3667	3.6742	10.1369	1.5741	0.1002	0.0900
12/20/2023	146.1474	2.6895	10.2469	13.9559	4.6533	12.2792	0.9737	0.0115	5.8975	13.6723	20.9785	3.5968	10.4832	1.6213	0.1058	0.0900
12/21/2023	152.0380	2.6497	12.4572	16.1590	4.6307	12.2045	0.8615	0.0115	5.9403	14.6037	20.9701	3.5160	10.2950	1.5920	0.0975	0.0900
12/22/2023	166.8776	2.7870	13.3990	16.8215	4.8587	12.7587	1.3095	0.0115	6.3380	16.4318	21.4910	3.6438	11.2109	1.6176	0.1070	0.0900
12/23/2023	165.0605	2.7523	12.7357	16.4564	4.8193	12.9802	1.1341	0.0115	6.2371	15.7352	21.1229	3.3515	10.9992	1.4728	0.1050	0.0900
12/24/2023	159.2651	2.7517	11.5957	15.0992	4.7194	12.2979	1.1782	0.0115	6.1500	15.0603	20.2215	3.1937	10.7563	1.4575	0.0499	0.0900
12/25/2023	138.7870	2.6266	9.6618	12.5204	4.2243	11.0458	0.6873	0.0115	5.5686	12.5645	18.1389	2.8959	8.1662	1.4763	0.0483	0.0900
12/26/2023	149.9491	2.7348	10.7326	13.8291	4.6283	11.7615	1.0203	0.0115	6.1234	13.8213	19.7257	3.3311	9.4982	1.5384	0.0652	0.0900
12/27/2023	154.2752	2.7754	11.1245	14.5489	4.5910	11.9038	1.0996	0.0115	6.1274	14.1705	20.0438	3.7837	10.0089	1.5715	0.0816	0.0900
12/28/2023	152.7435	2.6419	10.9147	14.2748	4.5877	11.9333	1.1781	0.0115	6.0189	14.5867	19.9875	3.6498	10.0887	1.6380	0.0890	0.0900
12/29/2023	148.1674	2.6875	11.7840	15.2595	4.6486	11.9681	1.0437	0.0115	5.8959	14.6836	20.0535	3.6718	9.9970	1.6698	0.0911	0.0900
12/30/2023	147.5458	2.8078	12.4536	15.9477	4.6736	12.1552	1.2666	0.0115	6.1119	14.6680	20.0083	3.7550	9.9694	1.6209	0.0688	0.0900
12/31/2023	159.4655	2.7851	11.9574	15.6929	4.7750	12.3632	1.1668	0.0115	6.2515	15.0409	20.1868	3.7086	10.5109	1.5632	0.0603	0.0900
Total	4694.110603	84.11564	340.3032	452.5453	146.2133	380.9545	26.51748	0.3565	185.8385	421.2581	641.4457	120.0357	321.5903	48.78094	2.766958	2.79

**Monthly Flow Review January 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	1/1-1/31	Influent Metering Station used as billing meter.
	1/23-1/25	Rainfall events
	1/28/2024	23WWTP diverting flow to the SRO interceptor.
GL02	1/1-1/31	Temporary laser flow meter installation 11/22/2023 due to SRP work in the area resulting in the loss of data. Data from the temporary meter used for billing purposes.
GL03	1/1-1/31	Phoenix Laser (Laser 2) used as billing meter.
GL04	1/1-1/31	Flume data used for report.
ME01	1/1-1/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	1/1-1/16	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	1/17-1/31	Flume not reporting correctly due to metering station maintenance, audited flow using the following equation: $ME02 = ME01 + 7.90MGD$ . Flow difference determined from the period of 12/1/2023 through 1/16/2024.
ME03	1/1-1/31	Flume used as billing meter.
	1/24/2024	New lookup table installed for the ME03 metering station.
PV02	1/1-1/31	Laser not operational, flume data used for billing purposes.
SD01	1/1-1/31	Phoenix laser used as billing meter.
TP01	1/1-1/31	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	1/25-1/31	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station. Diversion completed by 2/1/2024.
TP02	1/1-1/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	1/1-1/4	Communication issues, data logger not available. Used flow equation $TP03 = SA02 - 15.53MGD$ , flow difference determined for the period of 9/17/2023 to 10/31/2023.
	1/5-1/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	1/25/2024	Tempe beggain internal diversion, TP03 not reporting correctly. Audited using TP01 and TP04 data and the average flow difference from 1/5/2024-1/24/2024.
	1/26-1/31	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station. Diversion completed by 2/1/2024.
TP04	1/1-1/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	1/1-1/31	Flume used as billing meter



DTTM	MS_FLOW9	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
1/1/2024	149.4335	3.4523	11.2086	14.2220	4.4915	11.63	0.9614	0.0115	6.0951	14.5007	18.9688	3.5852	8.8212	1.5279	0.0624	0.0900
1/2/2024	150.7230	3.4490	11.2256	14.6270	4.7217	12.12	1.0273	0.0115	6.2308	13.7915	20.2917	3.8544	10.3460	1.7419	0.0970	0.0900
1/3/2024	142.0588	3.3981	10.8714	14.2879	4.6208	12.09	0.9941	0.0115	5.8953	14.6686	20.2465	3.9095	10.3496	1.6687	0.1072	0.0900
1/4/2024	146.3521	3.4531	11.3956	14.8319	4.5909	12.92	0.9716	0.0115	5.8328	15.5348	19.2396	4.1116	10.3938	1.6938	0.0954	0.0900
1/5/2024	145.6655	3.3627	11.5928	15.0781	4.4575	13.21	1.0727	0.0115	5.8877	14.7947	18.5517	4.3028	10.6260	1.6705	0.0851	0.0900
1/6/2024	142.4169	3.5604	12.2702	15.6721	4.5839	13.47	1.2147	0.0115	6.1375	14.1069	18.8184	4.4190	10.7736	1.6273	0.0657	0.0900
1/7/2024	140.6399	3.4958	12.5753	15.9793	4.6873	13.64	1.2121	0.0115	6.3841	14.0251	19.1438	4.5735	10.7580	1.6194	0.0631	0.0900
1/8/2024	145.2871	3.4444	11.8630	15.2812	4.6661	13.72	1.3819	0.0115	5.9404	13.9241	19.1628	4.8657	10.9486	1.7306	0.0985	0.0900
1/9/2024	140.2520	3.4289	11.3434	14.5357	4.5076	13.30	2.1714	0.0115	6.0236	13.6869	15.5920	5.0042	10.7931	1.7018	0.1122	0.0900
1/10/2024	143.6017	3.4453	11.3107	14.6326	4.5917	13.29	2.5436	0.0115	5.9079	13.6158	18.8694	4.8132	10.8580	1.6780	0.1192	0.0900
1/11/2024	139.5296	3.3607	11.2793	14.3631	4.5391	13.17	1.7633	0.0115	5.8496	12.8434	17.8910	4.8815	10.7250	1.7169	0.1030	0.0900
1/12/2024	139.9388	3.3654	11.4035	14.6586	4.5047	13.38	1.7780	0.0115	5.8487	13.2055	18.8215	4.8185	10.8639	1.6723	0.1117	0.0900
1/13/2024	139.2790	3.5248	12.0439	15.3611	4.6708	13.60	2.0043	0.0115	6.0860	13.3207	19.5917	4.6578	10.7490	1.6012	0.0715	0.0900
1/14/2024	138.9117	3.4556	11.5594	14.7096	4.6286	13.60	1.9212	0.0115	6.1929	12.8765	19.8281	4.4104	10.7444	1.5510	0.0550	0.0900
1/15/2024	142.6793	3.5567	11.5179	14.9051	4.7523	13.79	1.9412	0.0115	6.3820	13.0544	20.2851	4.5328	11.0799	1.6331	0.0700	0.0900
1/16/2024	142.6818	3.3511	10.8301	14.1431	4.5045	13.27	2.7950	0.0115	6.0256	12.7146	19.2531	4.4047	10.7649	1.7007	0.1142	0.0900
1/17/2024	139.3559	3.3790	10.9848	14.2762	4.4887	12.3914	1.9393	0.0115	5.8289	12.3866	19.0271	4.8399	10.6149	1.6822	0.1150	0.0900
1/18/2024	140.5417	3.3781	10.5376	13.9967	4.4800	12.3827	1.7611	0.0115	5.8172	12.7644	19.1382	4.6865	10.6590	1.6651	0.1085	0.0900
1/19/2024	140.3656	3.4256	10.6186	13.8689	4.4396	12.3423	1.7952	0.0115	5.9058	13.4611	18.7413	4.6384	10.6267	1.6732	0.0924	0.0900
1/20/2024	140.1649	3.4648	11.0902	14.5990	4.5470	12.4498	2.0074	0.0115	6.1652	13.0466	19.3715	4.5355	10.7792	1.5692	0.0980	0.0900
1/21/2024	139.6407	3.4567	11.5957	15.0759	4.6554	12.5581	1.8797	0.0115	6.4318	13.3184	19.8125	4.3977	10.7976	1.5347	0.1064	0.0900
1/22/2024	145.8339	3.4339	10.9061	14.0605	4.5993	12.5020	1.9603	0.0115	6.1526	15.8590	19.3694	4.7007	10.8604	1.6860	0.1203	0.0900
1/23/2024	160.9412	3.4229	10.9000	14.2434	4.7377	12.6404	2.2847	0.0115	6.8005	18.7757	20.0962	4.9813	11.3271	1.7504	0.1240	0.0900
1/24/2024	156.1697	3.4339	11.0128	14.2937	4.5094	12.4121	1.9656	0.0115	6.2205	18.5357	18.8238	4.7638	10.8689	1.6930	0.1233	0.0900
1/25/2024	153.1431	3.3768	10.6991	14.0136	4.5014	12.4041	1.9783	0.0115	6.1398	18.7816	5.1153	4.6205	22.0926	4.2703	0.1201	0.0900
1/26/2024	147.3237	3.4181	10.7122	13.9953	4.4505	12.3532	1.9010	0.0115	6.2133	16.7289	2.7184	4.6054	24.5313	4.7161	0.1003	0.0900
1/27/2024	146.0305	3.5550	11.6067	15.2164	4.5997	12.5024	2.0100	0.0115	6.3167	16.8206	2.6670	4.2694	25.1188	4.1865	0.0759	0.0900
1/28/2024	155.6035	3.4893	11.4796	15.6771	4.7332	12.6359	2.0080	0.0115	6.6034	16.9262	2.6670	4.2920	25.2715	4.4531	0.0714	0.0900
1/29/2024	149.6643	3.4232	12.1146	15.9679	4.5958	12.4985	1.8035	0.0115	6.3021	16.6723	2.7299	4.5253	25.0240	4.8036	0.1023	0.0900
1/30/2024	146.8920	3.3956	11.9861	15.7980	4.4910	12.3937	1.7071	0.0115	6.1992	16.2775	2.7628	4.5206	24.3771	4.7393	0.1080	0.0900
1/31/2024	143.7018	3.4046	11.5386	15.3999	4.5365	12.4392	1.6671	0.0115	6.1815	16.2380	2.7761	4.4899	21.9990	4.7163	0.1141	0.0900
Total	4494.8232	106.5621	352.0733	457.7711	141.8841	397.1110	54.4220	0.3565	189.9987	457.2569	480.3717	140.0118	424.5431	71.6741	3.0112	2.7900

**Monthly Flow Review February 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	2/1-2/29	Influent Metering Station used as billing meter.
	2/1-2/2	Rainfall events
	2/5-2/20	23WWTP diverting flow to the SRO interceptor due to Microgrid testing.
GL02	2/1-2/29	Temporary laser flow meter installation 11/22/2023 due to SRP work in the area resulting in the loss of data. Data from the temporary meter used for billing purposes.
GL03	2/1-2/29	Phoenix Laser (Laser 2) used as billing meter.
GL04	2/1-2/29	Flume data used for report.
ME01	2/1-2/29	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	2/1/2024	Flume not reporting correctly due to metering station maintenance, audited flow using the following equation: $ME02 = ME01 + 7.90MGD$ . Flow difference determined from the period of 12/1/2023 through 1/16/2024.
	2/2-2/29	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	2/1/2024	Flow meter calibrated after construction activities.
ME03	2/1-2/29	Flume used as billing meter.
PV02	2/1-2/29	Laser not operational, flume data used for billing purposes.
SD01	2/1-2/29	Phoenix laser used as billing meter.
TP01	2/1-2/29	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	2/1/2024	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station. Diversion completed by 2/1/2024.
TP02	2/1-2/29	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	2/1-2/29	Communication issues, data logger not available. Used flow equation $TP03 = SA02 - 15.53MGD$ , flow difference determined for the period of 9/17/2023 to 10/31/2023.
	2/1/2024	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station. Diversion completed by 2/1/2024.
TP04	2/1-2/29	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	2/1-2/29	Flume used as billing meter

DTTM	MS_FLOW!	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
2/1/2024	150.6341	3.3663	10.4472	13.9275	4.5035	12.4035	1.6363	0.0115	6.1772	16.0837	11.8958	4.6007	15.2300	2.1263	0.0761	0.0900
2/2/2024	165.7209	3.5722	11.6311	15.3165	4.6642	13.0021	1.8034	0.0115	6.5875	17.6643	20.3628	4.7272	11.6776	1.3698	0.1028	0.0900
2/3/2024	152.2896	3.4679	11.5073	15.0082	4.5998	13.7583	1.7525	0.0115	6.5071	16.5531	20.0285	4.4565	10.6050	1.2856	0.0745	0.0900
2/4/2024	157.0960	3.5079	11.7192	15.3332	4.7634	13.8066	1.7661	0.0115	6.6399	16.1526	20.7167	4.5084	10.7035	1.1861	0.0763	0.0900
2/5/2024	165.0645	3.4882	11.2601	14.8957	4.6283	13.5333	1.8162	0.0115	6.5843	14.9828	19.7521	4.5549	10.8259	1.2027	0.1094	0.0900
2/6/2024	163.5934	3.4943	11.0592	14.3514	4.4997	13.3003	1.6129	0.0115	6.2654	13.4735	19.2865	4.6446	10.3076	1.5533	0.1221	0.0900
2/7/2024	169.9811	3.5346	11.1581	14.4971	4.6780	13.7851	1.7992	0.0115	6.6972	14.9534	19.7972	4.7194	11.1891	1.6597	0.1269	0.0900
2/8/2024	169.4974	3.4751	10.9984	14.1714	4.2071	13.7854	1.7908	0.0115	6.6630	14.9312	20.1580	4.7226	10.9945	1.7202	0.1282	0.0900
2/9/2024	166.5879	3.4181	10.6940	13.8150	4.3899	13.3969	1.6080	0.0115	6.5048	15.1309	19.7656	4.8205	9.9898	1.6741	0.1330	0.0900
2/10/2024	166.2061	3.5100	11.7431	15.0804	4.6319	14.1260	1.7129	0.0115	6.5547	15.3809	20.2590	4.5553	11.3401	1.5073	0.1110	0.0900
2/11/2024	168.5010	3.4510	12.4541	15.9261	4.6648	14.0972	1.8566	0.0115	6.7751	14.8591	21.0247	4.5413	11.4173	1.5341	0.0790	0.0900
2/12/2024	164.2840	3.4563	11.0167	14.4088	4.5490	13.7198	1.7337	0.0115	6.7025	14.3851	19.9872	4.5831	10.8438	1.6566	0.1292	0.0900
2/13/2024	164.8325	3.3778	10.9475	14.2244	4.5172	13.3594	1.5548	0.0115	6.4435	16.9008	19.5337	4.8798	10.7896	1.7080	0.1361	0.0900
2/14/2024	161.0536	3.4086	11.1764	14.4045	4.5220	13.8038	1.6630	0.0115	6.5207	13.7159	19.7833	4.8517	10.8257	1.7312	0.1344	0.0900
2/15/2024	165.2825	3.3658	10.6834	13.8086	4.4691	13.9306	1.6652	0.0115	6.3290	14.8925	19.4712	4.7874	10.7042	1.6860	0.1280	0.0900
2/16/2024	164.7039	3.4687	10.4657	13.8866	4.5102	13.3979	1.7774	0.0115	6.4677	14.0819	19.5740	4.5199	10.6067	1.6945	0.1059	0.0900
2/17/2024	162.9316	3.4331	11.2655	15.0635	4.6365	13.7549	1.8311	0.0115	6.5590	14.2716	20.3903	4.4583	10.7210	1.6005	0.0851	0.0900
2/18/2024	164.6364	3.4393	11.2122	14.9918	4.5976	13.7031	1.7410	0.0115	6.6479	14.9429	20.3986	4.4699	10.6109	1.5877	0.0851	0.0900
2/19/2024	167.8415	3.4584	11.3048	15.0810	4.7212	13.8962	1.7890	0.0115	6.7322	14.5683	20.8146	4.7841	11.7279	1.6577	0.1069	0.0900
2/20/2024	161.9560	3.4036	10.7899	14.3307	4.5686	13.5344	1.8068	0.0115	6.5432	14.6521	20.1455	4.6748	11.0169	1.6465	0.1298	0.0900
2/21/2024	147.3739	3.4232	10.4751	14.2249	4.5505	13.5875	1.7721	0.0115	6.3603	12.9365	19.5545	4.5463	10.6890	1.8144	0.1211	0.0900
2/22/2024	150.1707	3.4136	10.4580	14.1235	4.5314	13.3854	1.7018	0.0115	6.2945	14.4095	19.4337	4.5190	10.4919	1.9259	0.1208	0.0900
2/23/2024	152.6002	3.3751	10.7200	14.4172	4.4587	13.4135	1.7687	0.0115	6.5151	15.5064	19.2889	4.6178	10.4990	1.8137	0.1051	0.0900
2/24/2024	148.6496	3.4301	11.6216	15.4481	4.6108	13.7792	1.9514	0.0115	6.6248	13.7430	19.4351	4.5439	10.9749	1.6423	0.0801	0.0900
2/25/2024	152.2616	3.4269	12.2982	16.0138	4.6962	13.9493	1.8979	0.0115	6.7863	14.1372	20.2358	4.8068	11.1047	1.6169	0.0826	0.0900
2/26/2024	155.9815	3.4368	11.4524	15.1452	4.5745	13.7125	1.9335	0.0115	6.4903	14.7967	19.3785	4.8549	10.9164	1.7359	0.1057	0.0900
2/27/2024	154.1508	3.4031	11.1685	14.8946	4.5299	13.4993	1.6315	0.0115	6.3885	14.1149	19.0545	4.9371	10.8646	1.7153	0.1227	0.0900
2/28/2024	153.7405	3.3791	11.2310	14.9244	4.5219	13.4632	1.8355	0.0115	6.5601	13.4790	19.1476	4.8048	11.0208	1.7306	0.1182	0.0900
2/29/2024	144.2786	3.3438	11.1304	14.8294	4.5010	13.4059	1.6075	0.0115	6.5183	13.8850	19.0115	4.8529	10.8213	1.7545	0.1107	0.0900
Total	4631.902	99.72866	324.089	426.5434	132.2967	394.2906	50.81664	0.3335	189.4398	429.5847	567.685	135.3438	319.5096	47.53725	3.146544	2.61

**Monthly Flow Review March 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	3/1-3/31	Influent Metering Station used as billing meter.
	3/2, 3/23	23WWTP diverting flow to the SRO interceptor due to Microgrid testing.
GL02	3/1-3/31	Temporary laser flow meter installation 11/22/2023 due to SRP work in the area resulting in the loss of data. Data from the temporary meter used for billing purposes.
GL03	3/1-3/31	Phoenix Laser (Laser 2) used as billing meter.
GL04	3/1-3/31	Flume data used for report.
ME01	3/1-3/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	3/1-3/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	3/1-3/31	Flume used as billing meter.
PV02	3/1-3/20	Laser not operational, flume data used for billing purposes.
	3/21-3/31	Laser used as billing meter
SD01		Phoenix laser used as billing meter.
TP01	3/1-3/31	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	3/1-3/18	TP01 metering station reading low, performed flow validation using the ME01, ME02 and TP03 metering stations to determine the average flow difference of 0.74MGD, which was added to the data logger flume data.
	3/19-3/31	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station.
TP02	3/1-3/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	3/1/2024	Communication issues, data logger not available. Used flow equation TP03 = SA02-15.53MGD, flow difference determined for the period of 9/17/2023 to 10/31/2023.
	3/2-3/31	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station. Diversion completed by 2/1/2024.
TP04	3/1-3/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	3/19-3/31	Tempe internally diverting flow from the TP01 metering basin to the TP04 metering basin, causing the flume to reach capacity and overflow.
TP05	3/1-3/31	Flume used as billing meter

DTTM	MS_FLOW	MS_GLO2	MS_GLO3	MS_GLO4	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
3/1/2024	151.2877	3.3572	11.0071	14.6547	4.4020	13.5631	1.7934	0.0115	6.4737	13.0514	19.5965	4.5742	10.7986	1.7042	0.0908	0.0900
3/2/2024	163.3095	3.4982	11.9630	15.6876	4.5130	13.7868	1.8255	0.0115	6.5931	13.4496	19.8534	4.2769	10.8764	1.5821	0.0773	0.0900
3/3/2024	154.1511	3.5294	12.2512	16.0056	4.8040	13.9792	1.8091	0.0115	6.8157	13.7734	20.1882	4.2503	11.0250	1.5827	0.0725	0.0900
3/4/2024	152.5810	3.3983	11.1513	14.7848	4.4724	13.7556	1.8376	0.0115	6.5496	13.4754	19.7493	4.4019	10.9087	1.7033	0.1006	0.0900
3/5/2024	149.3291	3.4308	11.0843	14.5699	4.4517	13.4045	1.6958	0.0115	6.3638	12.6945	19.5772	4.2922	10.7090	1.7020	0.1202	0.0900
3/6/2024	150.0444	3.3774	13.0667	16.6424	4.3764	13.2847	1.7351	0.0115	6.4353	13.3313	19.4790	4.3090	10.6122	1.6830	0.1232	0.0900
3/7/2024	151.8707	3.4425	11.0328	14.8376	4.4753	13.4795	1.7789	0.0115	6.2870	13.1345	19.8022	4.2570	10.5826	1.6838	0.1229	0.0900
3/8/2024	151.6988	3.4814	11.2735	14.8819	4.4729	13.6031	1.7846	0.0115	6.4034	13.6094	19.8824	4.3526	10.6236	1.5897	0.1039	0.0900
3/9/2024	153.1576	3.5464	11.8546	15.6951	4.5816	13.9528	1.9044	0.0115	6.4646	14.2172	20.1984	4.0804	10.7660	1.4288	0.0768	0.0900
3/10/2024	152.2163	3.4953	11.8261	15.7803	4.6849	13.8938	1.8457	0.0115	6.4980	14.0088	20.2895	4.3452	10.7191	1.3834	0.0770	0.0900
3/11/2024	152.7192	3.4890	11.2769	14.9475	4.6634	13.6705	1.7980	0.0115	6.4307	13.6391	19.9975	4.6971	10.7663	1.4642	0.1113	0.0900
3/12/2024	148.4196	3.3851	10.9988	14.4407	4.5205	13.5031	1.6931	0.0115	6.3655	12.6349	19.7238	4.6235	10.7299	1.5016	0.1193	0.0900
3/13/2024	149.0040	3.3234	11.1563	14.9718	4.5135	13.5625	1.7488	0.0115	6.1990	12.2336	19.6675	4.6860	10.8385	1.5392	0.1220	0.0900
3/14/2024	147.6546	3.3109	11.1417	14.8165	4.5102	13.4122	1.6490	0.0115	6.2220	12.5153	19.6885	4.6004	10.6639	1.5424	0.1230	0.0900
3/15/2024	149.7924	3.2975	10.7218	14.1684	4.5818	13.7986	1.9488	0.0115	6.2741	13.5200	20.0034	4.5776	10.8069	1.5325	0.0947	0.0900
3/16/2024	150.9744	3.5465	11.7665	15.1594	4.5177	13.7229	1.8112	0.0115	6.4350	14.0474	20.0352	4.4594	10.6354	1.4097	0.0638	0.0900
3/17/2024	150.7666	3.5129	11.5646	15.4032	4.5665	13.7003	1.6272	0.0115	6.7023	14.2268	20.0739	4.4339	10.6229	1.3164	0.0584	0.0900
3/18/2024	153.8259	3.3917	10.8740	14.6465	4.4837	13.5118	1.5747	0.0115	6.6489	14.1708	19.7078	4.7929	10.7177	1.4336	0.1038	0.0900
3/19/2024	154.2238	3.2516	11.4680	15.1063	4.5125	13.3170	1.7125	0.0115	6.4525	13.9110	4.8701	4.9213	23.9524	4.0482	0.1153	0.0900
3/20/2024	153.8922	3.0452	10.5325	13.9889	4.5171	13.7261	1.6283	0.0115	6.3431	15.9594	2.8611	4.6244	25.3198	4.6124	0.1097	0.0900
3/21/2024	155.1853	3.3257	10.5968	14.0840	4.4554	13.7111	1.5646	0.0115	5.6710	13.5014	2.8144	4.4775	25.2979	4.6301	0.1135	0.0900
3/22/2024	151.9129	3.3926	10.7352	14.3125	4.4804	13.8417	1.6215	0.0115	5.8503	13.7122	2.6795	4.5820	25.2271	4.6834	0.0929	0.0900
3/23/2024	178.0559	3.4293	11.0891	14.7538	4.5889	14.1128	1.6765	0.0115	6.0937	13.6835	2.8139	4.2920	25.2701	4.6882	0.0720	0.0900
3/24/2024	159.3464	3.5780	11.7349	15.6592	4.8135	14.6240	1.6954	0.0115	6.5297	14.5863	2.9131	4.4378	25.7108	4.6308	0.0674	0.0900
3/25/2024	156.5770	3.4581	10.9909	14.7347	4.6424	14.4063	1.7345	0.0115	5.9941	14.1221	2.8836	4.5976	25.7351	4.8035	0.1176	0.0900
3/26/2024	156.9994	3.3646	12.7558	15.5642	4.5602	15.8076	1.5763	0.0115	5.8502	14.1146	2.9906	4.5787	26.8142	4.4034	0.1245	0.0900
3/27/2024	153.0791	3.4134	10.9470	12.9167	4.5658	13.8906	1.6228	0.0115	5.8794	14.0561	2.8863	4.4605	25.5389	4.7290	0.1151	0.0900
3/28/2024	151.0702	3.3023	10.8025	12.8151	4.4556	13.8944	1.5055	0.0115	5.9004	14.1825	2.8381	4.4760	25.2816	4.6928	0.1140	0.0900
3/29/2024	152.4163	3.3679	10.6336	12.7516	4.6797	14.1365	1.5143	0.0115	6.0670	15.2388	2.7990	4.3163	25.2024	4.8416	0.1011	0.0900
3/30/2024	151.9145	3.4883	11.1942	13.4614	4.8028	14.6229	1.5331	0.0115	6.3329	16.7464	2.6045	4.1817	25.2747	4.7112	0.0778	0.0900
3/31/2024	151.8268	3.4886	11.3974	13.3428	4.8634	15.1128	1.4916	0.0115	6.2270	15.1782	2.6541	4.2470	26.3681	4.6900	0.0752	0.0900
Total	4759.303	105.7192	350.889	455.5853	141.5292	430.7888	52.73774	0.3565	195.3529	430.7259	396.1222	138.2032	524.3958	87.94714	3.057465	2.79

**Monthly Flow Review April 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	4/1-4/30	Influent Metering Station used as billing meter.
GL02	4/1-4/30	Temporary laser not operational, batteries died and duratracker needed to be replaced. Audited data using historical February and March 2024 data, 2/26/2024 - 3/26/2024.
GL03	4/1-4/30	Phoenix Laser (Laser 2) used as billing meter.
GL04	4/1-4/30	Flume data used for report.
ME01	4/1-4/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	4/1-4/30	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	4/1-4/30	Flume used as billing meter.
PV02	4/1-4/30	Laser used as billing meter
SD01	4/1-4/9	Phoenix laser not operational, Scottsdale laser using for billing purposes.
	4/10-4/30	Phoenix laser used as billing meter.
TP01	4/1-4/30	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	4/1-4/15	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station.
TP02	4/1-4/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	4/1-4/30	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	4/1-4/15	Tempe internally diverting flow from the TP01 metering station basin to the TP03 metering station.
TP04	4/1-4/30	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
	4/1-4/14	Tempe internally diverting flow from the TP01 metering basin to the TP04 metering basin, causing the flume to reach capacity and overflow.
	4/9-4/19	Local construction lost bypass plug in the Tempe sewer system, found in the converging section of the TP04 flume.
TP05	4/1-4/30	Flume used as billing meter

DTTM	MS_FLOW91	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
4/1/2024	161.6307	<b>3.4368</b>	12.2354	14.5132	4.8257	14.5938	1.5451	0.0115	6.7425	15.5998	<b>6.1013</b>	4.7472	26.0427	<b>1.7179</b>	0.1298	0.0900
4/2/2024	147.2740	<b>3.4031</b>	11.7064	14.0037	4.6833	14.0444	1.3740	0.0115	5.8456	14.1104	<b>6.2801</b>	4.7070	25.1722	<b>1.8893</b>	0.1278	0.0900
4/3/2024	146.4179	<b>3.3791</b>	10.6150	12.7917	4.6693	13.9361	1.4193	0.0115	5.7510	14.8589	<b>6.4100</b>	4.4554	24.9200	<b>1.9081</b>	0.1262	0.0900
4/4/2024	146.8961	<b>3.3438</b>	10.2954	12.4985	4.6385	13.8944	1.4892	0.0115	5.8937	15.2131	<b>6.2729</b>	4.5781	24.9847	<b>1.9631</b>	0.1256	0.0900
4/5/2024	146.0923	<b>3.3572</b>	10.4316	12.3529	4.5115	13.8094	1.5339	0.0115	5.8551	14.0170	<b>6.0274</b>	4.3549	25.0181	<b>1.8842</b>	0.1056	0.0900
4/6/2024	144.4008	<b>3.4982</b>	11.3378	13.3909	4.6245	14.4111	1.6900	0.0115	6.1866	13.1949	<b>6.7897</b>	4.3510	24.9705	<b>1.6885</b>	0.0828	0.0900
4/7/2024	144.3328	<b>3.5294</b>	11.5886	13.6526	4.8493	14.6132	1.5583	0.0115	6.2682	12.9837	<b>9.1322</b>	4.2922	23.0549	<b>1.5080</b>	0.0867	0.0900
4/8/2024	147.1071	<b>3.3983</b>	11.0816	13.0104	4.7293	14.1108	1.6321	0.0115	6.0288	13.0222	<b>5.9612</b>	4.4351	25.6035	<b>1.7415</b>	0.1095	0.0900
4/9/2024	147.0105	<b>3.4308</b>	11.3219	13.4636	4.7172	13.6340	1.4800	0.0115	5.9909	12.7018	<b>5.7716</b>	4.4863	25.3042	<b>1.7746</b>	0.1365	0.0900
4/10/2024	143.4404	<b>3.3774</b>	10.4530	12.7163	4.6313	13.6132	1.5859	0.0115	5.7644	12.2404	<b>5.8919</b>	4.4642	25.0771	<b>1.6752</b>	0.1324	0.0900
4/11/2024	143.6683	<b>3.4425</b>	10.2266	12.5705	4.5944	13.5753	1.5490	0.0115	5.7804	12.2241	<b>5.8649</b>	4.5391	25.0295	<b>1.8845</b>	0.1268	0.0900
4/12/2024	146.2355	<b>3.4814</b>	9.8388	12.3694	4.6483	13.6795	1.6411	0.0115	5.7081	12.4465	<b>5.7788</b>	4.5792	25.2736	<b>1.8703</b>	0.1095	0.0900
4/13/2024	145.4499	<b>3.5464</b>	10.1879	13.1885	4.7707	13.9691	1.7029	0.0115	6.0612	12.4288	<b>6.1935</b>	4.6304	25.2708	<b>1.4949</b>	0.0967	0.0900
4/14/2024	145.1876	<b>3.4953</b>	11.3379	13.5964	4.8099	14.0104	1.7988	0.0115	6.3285	13.3684	6.7635	4.6802	25.1521	2.3323	0.0816	0.0900
4/15/2024	148.0424	<b>3.4890</b>	10.6958	12.7631	4.6564	13.7715	1.9986	0.0115	5.9502	14.8566	15.8337	4.7333	15.0875	1.7069	0.1143	0.0900
4/16/2024	150.4694	<b>3.3851</b>	10.7823	12.9308	4.7273	13.5024	1.8979	0.0115	5.7301	15.2761	20.0781	4.8028	10.7163	1.7736	0.1394	0.0900
4/17/2024	151.1492	<b>3.3234</b>	10.0633	12.6950	4.7491	13.5938	1.9867	0.0115	5.8083	13.4954	20.0274	4.8040	10.8778	1.6956	0.1316	0.0900
4/18/2024	146.5532	<b>3.3109</b>	10.2176	12.8137	4.6948	13.5056	1.9257	0.0115	5.7723	12.0782	20.2101	4.7944	10.7538	1.6332	0.1306	0.0900
4/19/2024	147.4600	<b>3.2975</b>	10.1940	12.6369	4.6071	13.5552	1.8033	0.0115	5.7401	12.0472	19.6941	4.6746	10.8153	1.5559	0.1215	0.0900
4/20/2024	147.6692	<b>3.5465</b>	10.8548	13.5409	4.7630	13.9406	2.0262	0.0115	6.0162	12.0807	20.4549	4.5203	10.8087	1.4804	0.1126	0.0900
4/21/2024	146.1521	<b>3.5129</b>	11.2030	13.8700	4.8847	14.0250	1.8421	0.0115	6.1267	12.2174	20.9010	4.6112	10.8455	1.4766	0.0964	0.0900
4/22/2024	149.8703	<b>3.3917</b>	10.5059	12.9780	4.8550	13.8354	1.8855	0.0115	5.7561	11.8880	20.4434	4.9238	11.3292	1.6384	0.1330	0.0900
4/23/2024	146.2337	<b>3.2516</b>	10.3109	12.7298	4.7760	13.4882	1.9228	0.0115	5.7435	11.7231	20.7688	4.7946	10.5625	1.7362	0.1526	0.0900
4/24/2024	147.5939	<b>3.0452</b>	10.3533	12.7107	4.7745	13.4601	1.8536	0.0115	5.7534	13.0867	20.6542	4.8049	10.4753	1.6443	0.1543	0.0900
4/25/2024	147.8031	<b>3.3257</b>	9.6294	12.1975	4.6589	13.3899	1.8469	0.0115	5.6814	12.5455	19.8191	4.6826	10.4781	1.6773	0.1405	0.0900
4/26/2024	146.5382	<b>3.3926</b>	9.4107	11.7894	4.7120	13.5295	1.8660	0.0115	5.7714	11.9492	20.5958	4.5938	10.5347	1.6272	0.1236	0.0900
4/27/2024	144.2322	<b>3.4293</b>	10.0079	12.8826	4.7563	13.7167	1.9697	0.0115	6.1330	12.4039	20.4979	4.4631	10.5917	1.5011	0.1034	0.0900
4/28/2024	142.8468	<b>3.5780</b>	10.2535	13.1362	4.7604	13.7587	1.8626	0.0115	6.2608	12.1671	20.7552	4.4948	10.5257	1.4541	0.0952	0.0900
4/29/2024	146.7497	<b>3.4581</b>	10.5432	13.1730	4.7601	13.1565	1.8244	0.0115	5.8041	11.4401	20.0813	4.6003	10.6941	1.5936	0.1155	0.0900
4/30/2024	147.1526	<b>3.3646</b>	12.4143	15.0154	4.7151	12.8722	1.8895	0.0115	5.6841	11.3085	19.7861	4.5628	10.4774	1.6226	0.1245	0.0900
Total	4411.659591	102.2217	320.09774	391.98184	141.55382	412.99606	52.40103	0.345	177.93714	388.97381	409.84008	138.16115	526.44744	51.14966	3.566417	2.7

**Monthly Flow Review May 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<u>Station</u>	<u>Event/Problem Occurred</u>	<u>Event/Problem Description</u>
91WWTP	5/1-5/31	Influent Metering Station used as billing meter.
	5/31/2024	Deer Valley WTP Discharging ~10MGD into the SROG Collection System due to Process Issues.
GL02	5/1-5/31	Temporary laser not operational, batteries died and duratracker needed to be replaced. Audited data using historical February and March 2024 data, 2/28/2024 - 3/29/2024.
GL03	5/1-5/31	Phoenix Laser (Laser 2) used as billing meter.
GL04	5/1-5/31	Flume data used for report.
ME01	5/1-5/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	5/1-5/31	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	5/1 - 5/31	Flume used as billing meter. Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
PV02	5/1 -5/2, 5/8 - 5/31	Laser used as billing meter
	5/3 - 5/7	Laser not operational, flume data used for billing purposes.
SD01	5/1-5/31	Phoenix laser used as billing meter.
TP01	5/1-5/31	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP02	5/1-5/31	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	5/1-5/31	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	5/1-5/31	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	5/1-5/31	Flume used as billing meter



DTTM	MS_FLOW1	MS_GL02	MS_GL03	MS_GL04	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
5/1/2024	151.7371	3.3791	10.5927	12.9477	4.6910	12.9601	1.9269	0.0115	5.6942	11.7816	19.8726	4.6410	10.5712	1.6655	0.1331	0.0900
5/2/2024	151.5645	3.3438	10.9965	13.2616	4.7645	12.9470	1.7146	0.0115	5.6670	11.7119	19.7535	4.5528	10.5203	1.6205	0.1533	0.0900
5/3/2024	152.0110	3.3572	10.3673	12.9284	4.6417	12.9292	2.0316	0.0115	6.0959	11.8476	19.6247	4.4331	10.6455	1.6145	0.1354	0.0900
5/4/2024	151.1084	3.4982	10.9214	13.5578	4.7417	13.1090	1.8826	0.0115	6.3549	12.0682	19.8760	4.4406	10.5931	1.5485	0.0925	0.0900
5/5/2024	150.6248	3.5294	11.2324	13.7583	4.8497	13.2497	1.9679	0.0115	6.5206	12.0601	20.1632	4.1784	10.6465	1.5283	0.1060	0.0900
5/6/2024	154.1483	3.3983	10.7853	13.1115	4.7648	13.0844	1.8519	0.0115	6.0074	11.7089	20.2688	4.1903	10.7990	1.6717	0.1205	0.0900
5/7/2024	151.9297	3.4308	10.2583	12.8795	4.7141	12.9146	1.7092	0.0115	5.9163	11.7865	19.5750	4.3204	10.5674	1.7090	0.1238	0.0900
5/8/2024	154.1858	3.3774	11.1288	13.6935	4.6969	13.1969	1.8977	0.0115	5.6358	12.1242	19.7684	4.1781	10.7337	1.6864	0.1256	0.0900
5/9/2024	151.1260	3.4425	10.5100	12.8217	4.7002	12.8396	1.8955	0.0115	5.6479	11.5968	19.7483	4.1097	10.5819	1.6569	0.1253	0.0900
5/10/2024	149.2986	3.4814	10.3849	12.8043	4.5646	12.8517	1.7134	0.0115	5.6434	11.4491	19.5934	4.0123	10.6226	1.6591	0.1119	0.0900
5/11/2024	148.5933	3.5464	10.8515	13.3668	4.5724	12.8715	2.0222	0.0115	5.8450	11.6389	19.2108	3.8305	10.3851	1.5644	0.0691	0.0900
5/12/2024	148.3171	3.4953	11.1728	13.8402	4.5905	12.6708	1.9776	0.0115	5.8384	11.5247	19.2882	3.8286	10.1215	1.4836	0.0652	0.0900
5/13/2024	152.4674	3.4890	10.8808	13.4654	4.5620	12.9125	2.2816	0.0115	5.5952	11.3855	19.3142	4.0179	10.4299	1.6122	0.1166	0.0900
5/14/2024	152.3981	3.3851	10.8337	13.2946	4.5618	12.6219	2.0795	0.0115	5.6882	11.0567	19.0063	4.1130	10.3566	1.6416	0.1437	0.0900
5/15/2024	153.4565	3.3234	10.9441	13.4971	5.9222	11.2563	2.2297	0.0115	5.6616	11.2258	19.7483	4.1159	9.9201	1.5973	0.1389	0.0900
5/16/2024	153.5642	3.3109	10.6083	13.0805	6.2865	10.5924	2.0967	0.0115	5.6202	11.6319	19.8837	4.0165	9.5510	1.6035	0.1330	0.0900
5/17/2024	156.5594	3.2975	10.7023	13.0956	6.3530	10.6365	2.2776	0.0115	5.6539	11.8248	20.2799	4.0251	9.5868	1.5772	0.1064	0.0900
5/18/2024	153.6230	3.5465	11.0606	13.8524	6.5370	11.2264	2.0859	0.0115	5.9162	11.5514	20.3913	4.0390	9.6295	1.4907	0.0880	0.0900
5/19/2024	150.7869	3.5129	11.2462	13.8206	6.6109	11.6094	2.0839	0.0115	6.0642	11.5139	21.3097	4.0219	9.7705	1.4688	0.0766	0.0900
5/20/2024	155.7237	3.3917	11.2268	13.5890	6.4182	11.8694	2.1969	0.0115	5.8368	11.5180	21.1531	4.0822	10.2250	1.6130	0.1191	0.0900
5/21/2024	152.8140	3.2516	10.8472	13.2345	6.3783	11.0563	2.1458	0.0115	5.7721	11.5052	20.3094	4.0736	9.7934	1.6489	0.1282	0.0900
5/22/2024	153.4170	3.0452	10.9662	13.3239	6.3724	11.0167	2.4365	0.0115	5.7011	12.0650	20.2167	4.0467	9.6115	1.6512	0.1144	0.0900
5/23/2024	151.5634	3.3257	10.8197	13.0966	6.3901	10.9590	2.0389	0.0115	5.8201	11.5799	20.0337	4.1151	9.5802	1.6794	0.1124	0.0900
5/24/2024	151.6775	3.3926	10.9810	13.2817	6.3000	10.8969	2.0646	0.0115	5.8025	11.5597	20.0566	4.0895	9.5340	1.6741	0.0981	0.0900
5/25/2024	147.0904	3.4293	10.9941	13.2678	6.2311	11.0094	2.1040	0.0115	5.8603	11.7741	19.7535	3.8112	9.3899	1.5771	0.0747	0.0900
5/26/2024	141.7561	3.5780	10.6598	12.8104	6.1361	10.5844	1.7773	0.0115	5.7296	11.4340	19.0358	3.7849	8.9972	1.5453	0.0720	0.0900
5/27/2024	146.8332	3.4581	11.2268	13.5976	6.6036	10.8632	2.0542	0.0115	5.9729	11.4151	20.2236	3.9611	9.3122	1.5153	0.0826	0.0900
5/28/2024	151.4186	3.3646	11.2312	13.5792	6.5628	10.6281	2.1575	0.0115	5.6356	11.1137	20.1260	4.0092	9.5663	1.6343	0.1320	0.0900
5/29/2024	150.0506	3.4134	11.1394	13.3865	6.4814	10.3208	2.0849	0.0115	5.4730	11.1596	20.1097	4.0266	9.2347	1.6094	0.1342	0.0900
5/30/2024	148.9559	3.3023	10.5450	13.1469	6.5210	10.1806	2.0245	0.0115	5.5130	11.1109	19.8021	4.0822	9.1569	1.6331	0.1357	0.0900
5/31/2024	156.4973	3.3679	11.1815	13.7483	6.5915	10.0764	2.0012	0.0115	5.5727	11.2895	19.6118	4.1201	9.0042	1.6280	0.1155	0.0900
Total	4695.298	105.4652	337.2964	413.1398	174.1117	365.9408	62.81213	0.3565	179.756	359.0134	617.108	127.2674	309.4377	49.8088	3.483584	2.79

**Monthly Flow Review June 2024**

This tab includes a summary of the auditing events automatically performed by SMIS at all metering station and explanations for the manually audited values in red. The manually audited values will be entered into the permanent data base record at the end of each fiscal year following approval of the Year End Settlement.

<b>Station</b>	<b>Event/Problem Occurred</b>	<b>Event/Problem Description</b>
91WWTP	6/1-6/30	Influent Metering Station used as billing meter.
	6/1 - 6/30	Deer Valley WTP Discharging ~10MGD into the SROG Collection System due to Process Issues.
GL02	6/1-6/31	Temporary laser not reporting to the Cipher website. Audited data using historical March 2024 data, 3/2/2024- 3/30/2024.
GL03	6/1-6/30	Phoenix Laser (Laser 2) used as billing meter.
GL04	6/1-6/30	Flume data used for report.
ME01	6/1-6/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME02	6/1-6/30	Communication issues. Wilson installed data logger (8/16/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
ME03	6/1-6/30	Flume used as billing meter. Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
PV02 SD01	6/1-6/30	Laser used as billing meter
	6/1-6/30	Phoenix laser used as billing meter.
TP01	6/1-6/30	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP02	6/1-6/30	Communication issues. Wilson installed data logger (8/30/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP03	6/1-6/30	Communication issues. Wilson installed data logger (8/14/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP04	6/1-6/30	Communication issues. Wilson installed data logger (8/31/2022) for the flume data and data was downloaded for this report. Data Logger data used for billing purposes.
TP05	6/1-6/30	Flume used as billing meter

DTTM	MS_FLOW9	MS_GLO2	MS_GLO3	MS_GLO4	MS_ME01	MS_ME02	MS_ME03	MS_PH01	MS_PV02	MS_SD01	MS_TP01	MS_TP02	MS_TP03	MS_TP04	MS_TP05	MS_PV01
6/1/2024	152.6873	3.4982	11.1448	13.7930	6.7365	10.1069	1.9993	0.0115	5.7778	11.3365	19.7955	4.0728	8.9448	1.5427	0.0812	0.0900
6/2/2024	152.2605	3.5294	10.9537	13.8290	6.7887	10.2097	2.0519	0.0115	5.8899	11.4206	19.6601	3.9700	8.9066	1.5320	0.0753	0.0900
6/3/2024	157.4480	3.3983	10.8277	13.3620	6.7255	10.0316	2.1175	0.0115	5.6155	11.6690	19.7868	4.2083	9.1184	1.7026	0.1117	0.0900
6/4/2024	157.4330	3.4308	10.6665	12.9270	6.6628	9.8531	2.0490	0.0115	5.5249	11.8599	19.3535	4.1465	9.0802	1.6993	0.1178	0.0900
6/5/2024	157.6960	3.3774	11.6443	14.2250	6.7205	10.0052	2.1196	0.0115	5.5911	11.3866	19.3033	4.1106	9.2855	1.6945	0.1296	0.0900
6/6/2024	157.1377	3.4425	10.8682	13.2980	6.7160	9.8736	2.0559	0.0115	5.4793	12.0469	19.4517	4.0570	9.2243	1.7518	0.1316	0.0900
6/7/2024	159.0384	3.4814	10.5551	13.2420	6.6991	9.8569	2.1670	0.0115	5.5619	12.7122	19.1288	4.0111	9.2780	1.7366	0.1183	0.0900
6/8/2024	151.6581	3.5464	10.8551	13.3780	6.7205	10.0910	2.0340	0.0115	5.7702	11.9288	19.3694	3.9022	9.0628	1.6615	0.0851	0.0900
6/9/2024	152.1808	3.4953	10.9814	13.5270	6.8788	10.1878	1.9778	0.0115	5.9863	11.6182	19.4104	3.9360	8.9670	1.5798	0.0837	0.0900
6/10/2024	155.4635	3.4890	11.1529	13.7620	6.8076	9.7931	2.1776	0.0115	5.6652	12.0620	19.3219	4.1484	9.2944	1.7232	0.1164	0.0900
6/11/2024	156.8877	3.3851	10.6954	13.2500	6.7944	9.7417	2.0705	0.0115	5.3907	13.7631	19.1462	4.1680	9.0816	1.7255	0.1368	0.0900
6/12/2024	157.5408	3.3234	10.5897	13.0840	6.8300	9.7368	2.1477	0.0115	5.4238	13.7995	19.4559	4.1494	9.0229	1.7251	0.1319	0.0900
6/13/2024	158.5103	3.3109	10.9037	13.5960	6.7755	9.9115	2.1497	0.0115	5.5197	13.1106	19.5396	4.1688	9.2184	1.6975	0.1234	0.0900
6/14/2024	156.0382	3.2975	10.6961	13.2720	6.6715	10.1486	2.0795	0.0115	5.5287	11.3155	19.5382	4.0596	9.2403	1.6117	0.1109	0.0900
6/15/2024	152.8617	3.5465	10.8808	13.5250	6.5130	10.1736	2.1224	0.0115	5.7311	11.2477	18.9760	3.9489	9.1253	1.4736	0.0920	0.0900
6/16/2024	150.8368	3.5129	10.8174	13.4790	6.5568	10.1851	1.9609	0.0115	5.7978	11.3168	19.3278	4.0491	9.0521	1.4015	0.0859	0.0900
6/17/2024	156.1886	3.3917	10.8347	13.4010	6.5089	10.4701	2.1109	0.0115	5.6427	11.4681	19.2795	4.0886	9.4243	1.4876	0.1362	0.0900
6/18/2024	156.0794	3.2516	10.8047	13.2570	6.4019	10.1899	2.0885	0.0115	5.5016	11.1080	19.3521	4.1412	9.3424	1.4825	0.1339	0.0900
6/19/2024	157.4161	3.0452	10.8075	13.5410	6.5111	10.4181	2.1415	0.0115	5.6209	11.2461	19.4899	4.1757	9.5146	1.5189	0.1145	0.0900
6/20/2024	156.8484	3.3257	10.9559	13.5810	6.6554	10.3618	2.1165	0.0115	5.5428	11.1413	19.6764	4.0903	9.5219	1.5693	0.1397	0.0900
6/21/2024	159.6895	3.3926	10.8297	13.6430	6.6012	10.2799	2.1660	0.0115	5.6252	11.6203	19.5983	4.3897	9.5236	1.5718	0.1529	0.0900
6/22/2024	157.3787	3.4293	10.9541	13.8540	6.8083	10.6399	2.0215	0.0115	5.7315	11.7105	20.1233	4.1611	9.4972	1.4387	0.1220	0.0900
6/23/2024	157.1529	3.5780	11.3584	14.0210	6.9109	10.4719	2.0387	0.0115	5.8743	11.7367	20.4983	4.2765	9.4813	1.4691	0.1095	0.0900
6/24/2024	162.3341	3.4581	11.3868	14.3990	6.7710	10.4767	2.2132	0.0115	5.6371	11.6089	20.1740	4.5249	9.6708	1.6231	0.1563	0.0900
6/25/2024	165.0897	3.3646	11.1404	13.7510	6.9568	10.2587	2.1917	0.0115	5.5895	12.3478	20.3920	4.5747	9.6188	1.6152	0.1699	0.0900
6/26/2024	162.8267	3.4134	11.1655	13.7010	6.8174	10.1792	2.1811	0.0115	5.6351	13.2983	20.5462	4.4697	9.4961	1.6716	0.1619	0.0900
6/27/2024	162.5227	3.3023	10.9272	13.5410	6.7410	10.0875	2.2033	0.0115	5.4809	12.5115	20.0597	4.5447	9.4576	1.6449	0.1569	0.0900
6/28/2024	161.9712	3.3679	10.8325	13.8020	6.7997	10.0306	2.2781	0.0115	5.5421	11.8993	19.8125	4.3287	9.4215	1.6765	0.1432	0.0900
6/29/2024	159.5790	3.4883	11.2598	14.1090	6.9809	10.0535	2.2413	0.0115	5.8768	11.6439	19.8378	4.2494	9.2847	1.6343	0.1181	0.0900
6/30/2024	159.3041	3.4886	11.5264	14.1810	7.0533	10.0642	2.1821	0.0115	5.7357	12.4424	20.0681	4.2854	9.2194	1.6873	0.1208	0.0900
Total	4720.0598	102.3620	329.0162	408.3310	202.1151	303.8882	63.4549	0.3450	169.2900	358.3769	589.4731	125.4071	278.3770	48.3495	3.6675	2.7000

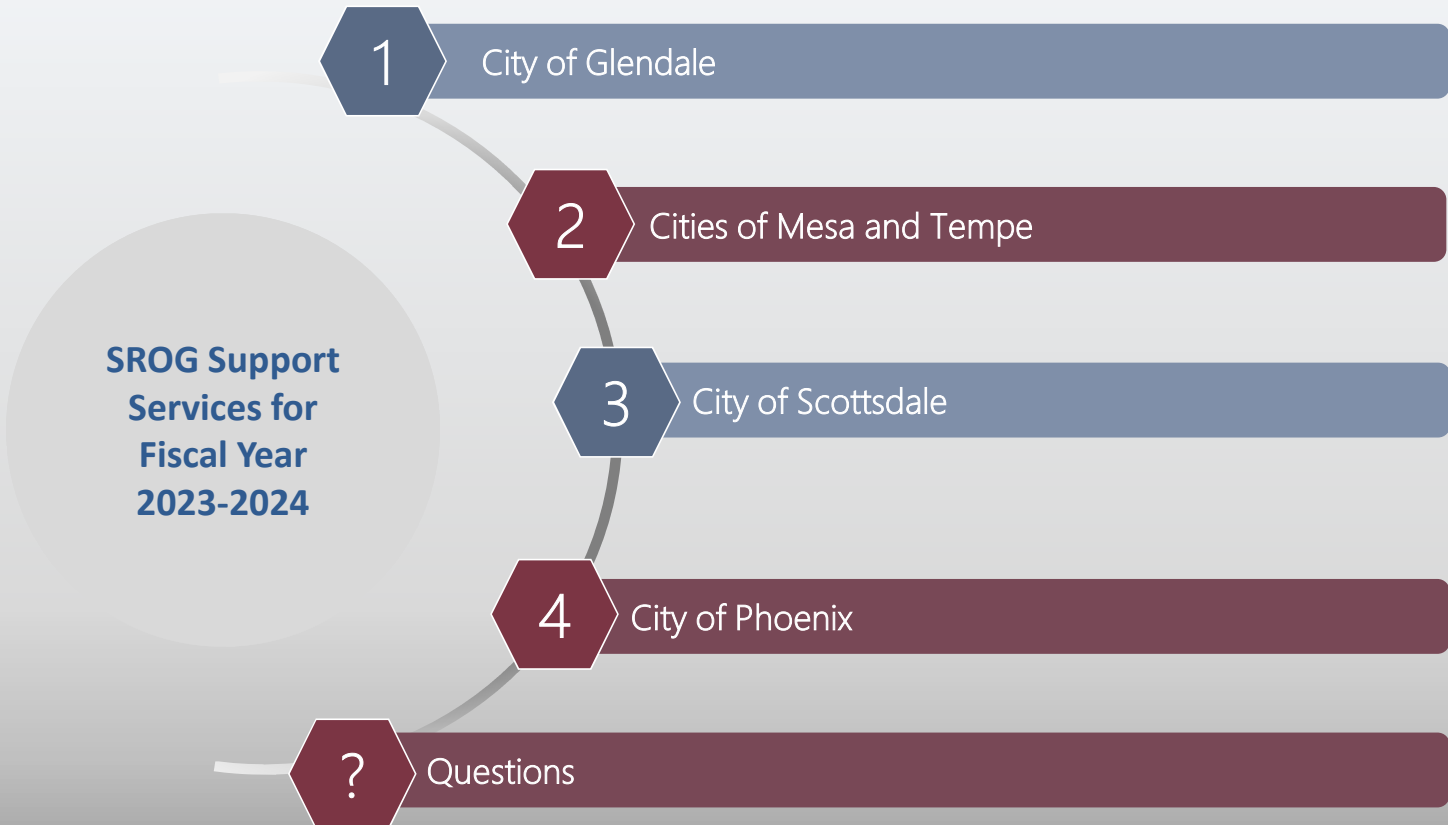
## APPENDIX C

# YEAR END FLOW AND LOADINGS – SPECIAL CASES PRESENTATIONS



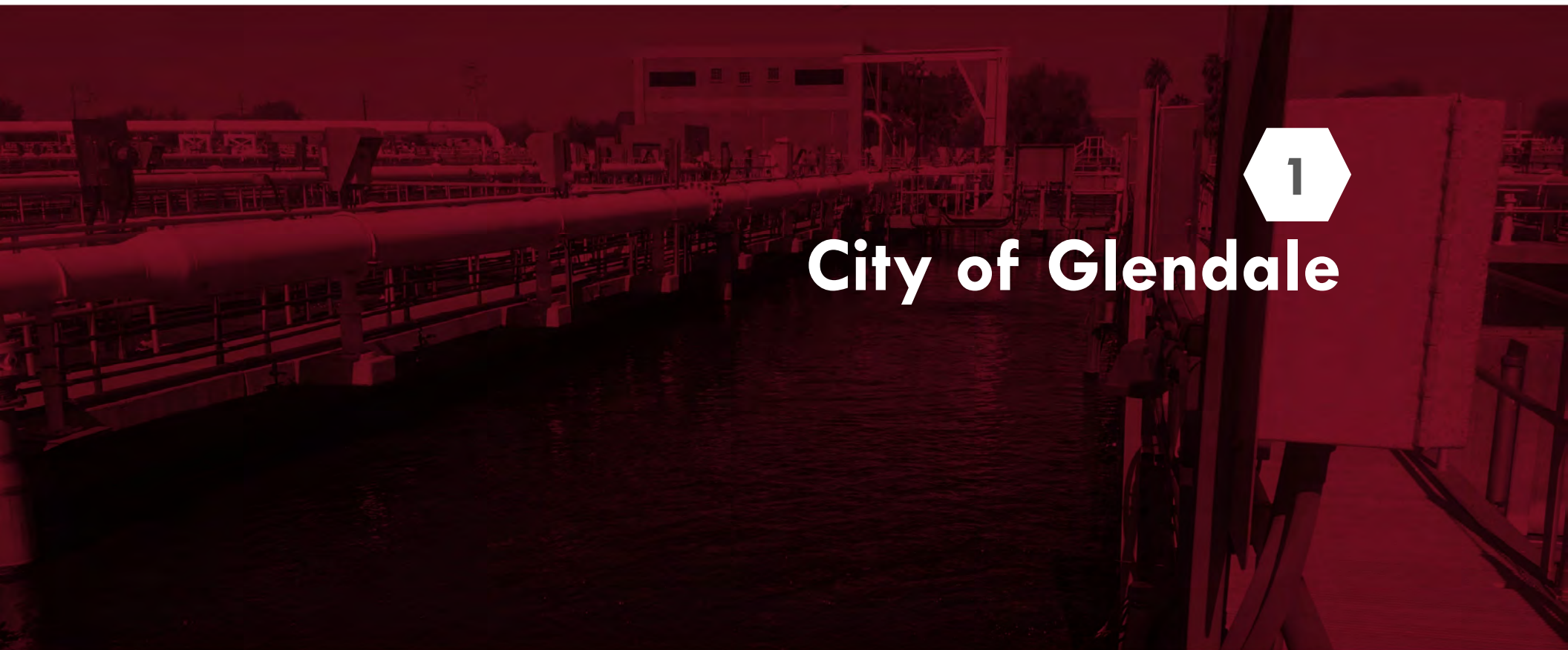
91st Avenue WWTP  
SROG Support Services  
COP Project: WS90100062

**Year End Flow and Loading Report**  
**Fiscal Year 2023-2024**  
**Special Cases**  
**DRAFT**





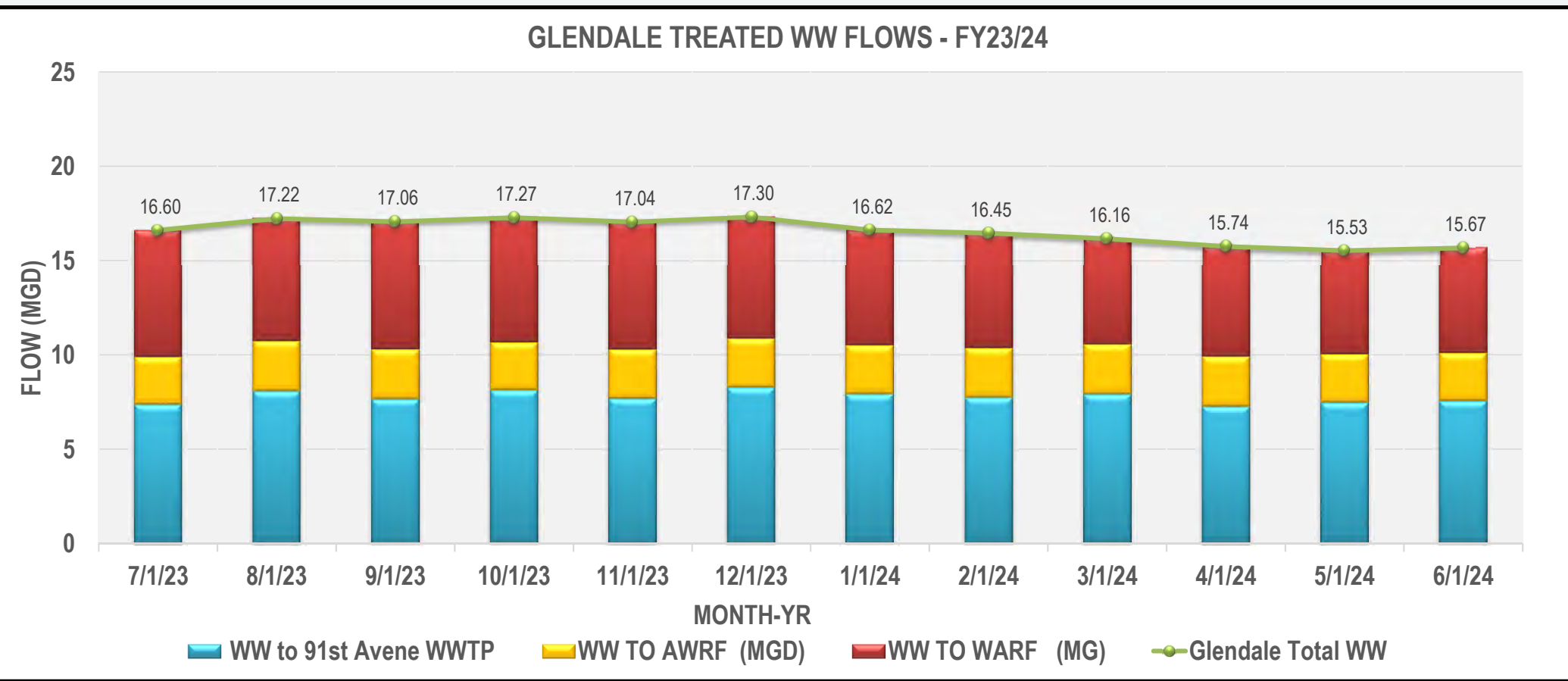
# City of Glendale



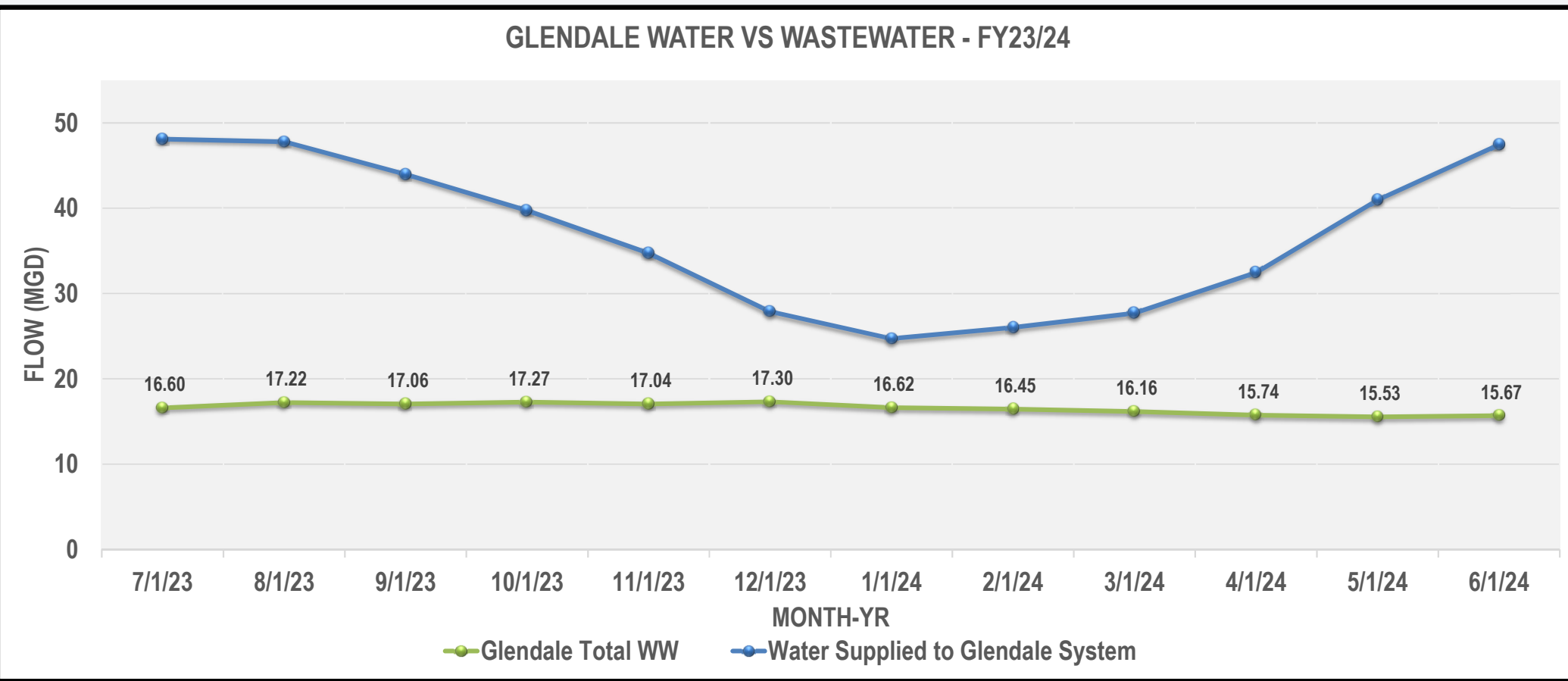
- Monthly Influent Flow Data for WAWRP and AWRP
- Monthly Average Water Distribution Data
- Glendale Metering Stations
  - GL02 Calibration Verification on 3/26/2024
  - GL03 Calibration Verification on 3/26/2024



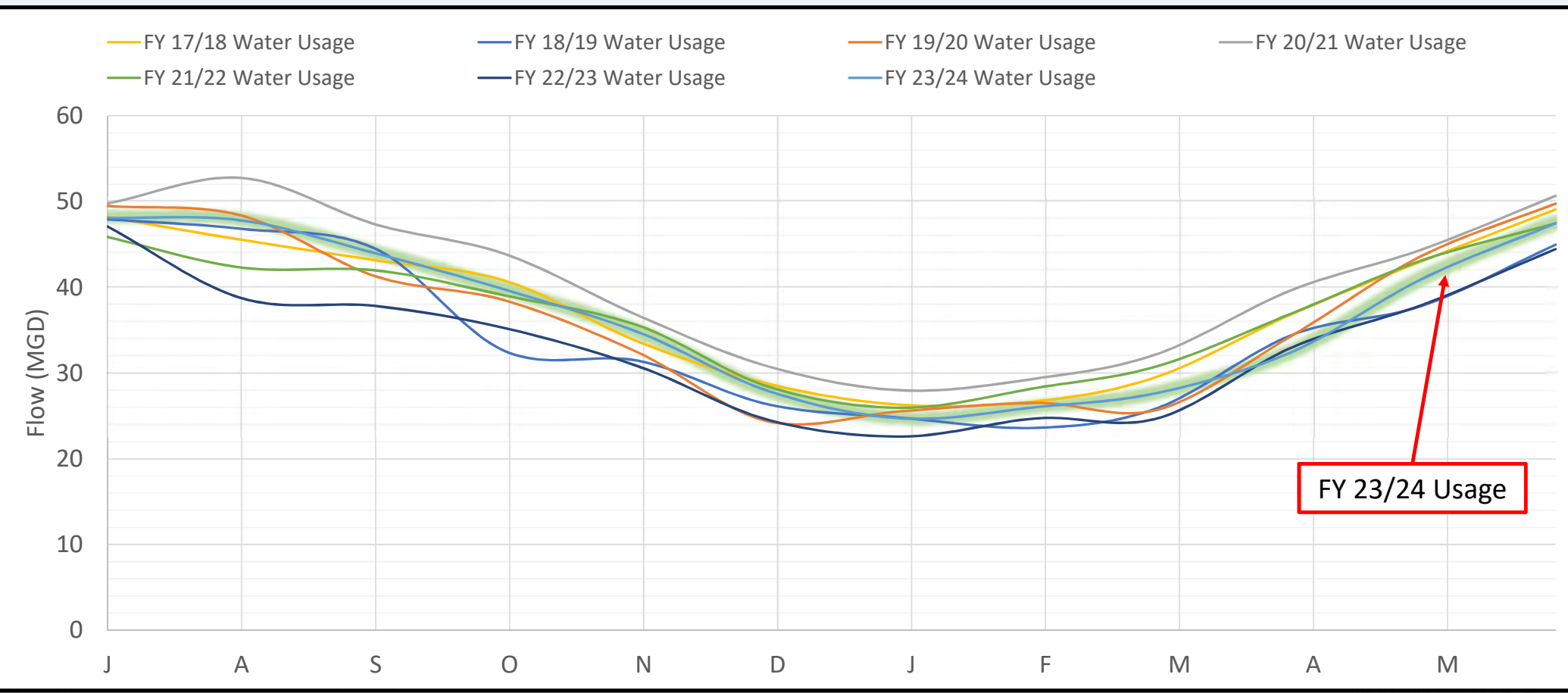
# GLENDALE TREATED WW FLOWS – FY23/24



# GLENDALE WATER VS. WASTEWATER – FY23/24



# Glendale Water Usage

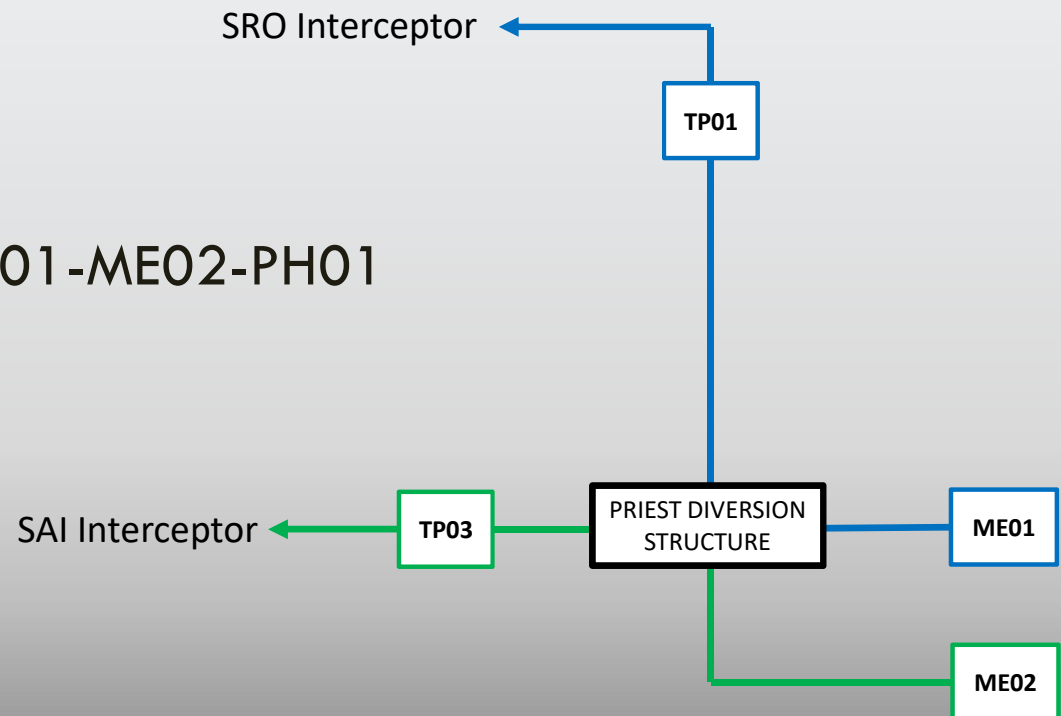




Cities of Mesa and **2** Tempe

# MESA AND TEMPE

- Mesa Trend (ME01 + ME02)  $\approx$  Tempe Trend (TP01 + TP03)
- Mesa Total =  
ME01 + ME02 + ME03
- Tempe Total =  
TP01 + TP02 + TP03 + TP04 + TP05 - ME01 - ME02 - PH01



- Meters Calibration Event (March 2024)
- Communication Issues for All Mesa and Tempe Metering Stations for July 1<sup>st</sup>, 2023 to June 30<sup>th</sup>, 2024
- Data Loggers Installed for All Stations
  - 8/16/2022 – ME02, TP01, TP03
  - 8/30/2022 – ME01, ME03, TP02, TP04, TP05
- ME01, ME02 and ME03 Metering Stations Used Alternative Locations for Sampling for the Period of July 2023 to June 2024.

# MESA AND TEMPE – LOCAL COLLECTION DIVERSIONS

11

- 7/30/2023 – 9/27/2023 Internal Mesa diversion from the ME02 Metering Basin to the ME01 Metering Basin
- 8/7/2023 – 9/16/2024 Internal Tempe diversion from the TP01 Metering Basin to the TP03 Metering Basin
- 9/16/2023 – 6/30/2024 Internal Tempe Diversion from the TP03 Metering Basin to the TP01 Metering Basin
- 9/27/2023 – 5/16/2024 Internal Mesa diversion from the ME01 Metering Basin to the ME02 Metering Basin
- 1/25/2024 – 2/1/2024 Internal Tempe diversion from the TP01 Metering Basin to the TP03 Metering Basin
- 3/19/2024 – 4/5/2024 Internal Tempe diversion from the TP01 Metering Basin to the TP03 Metering Basin

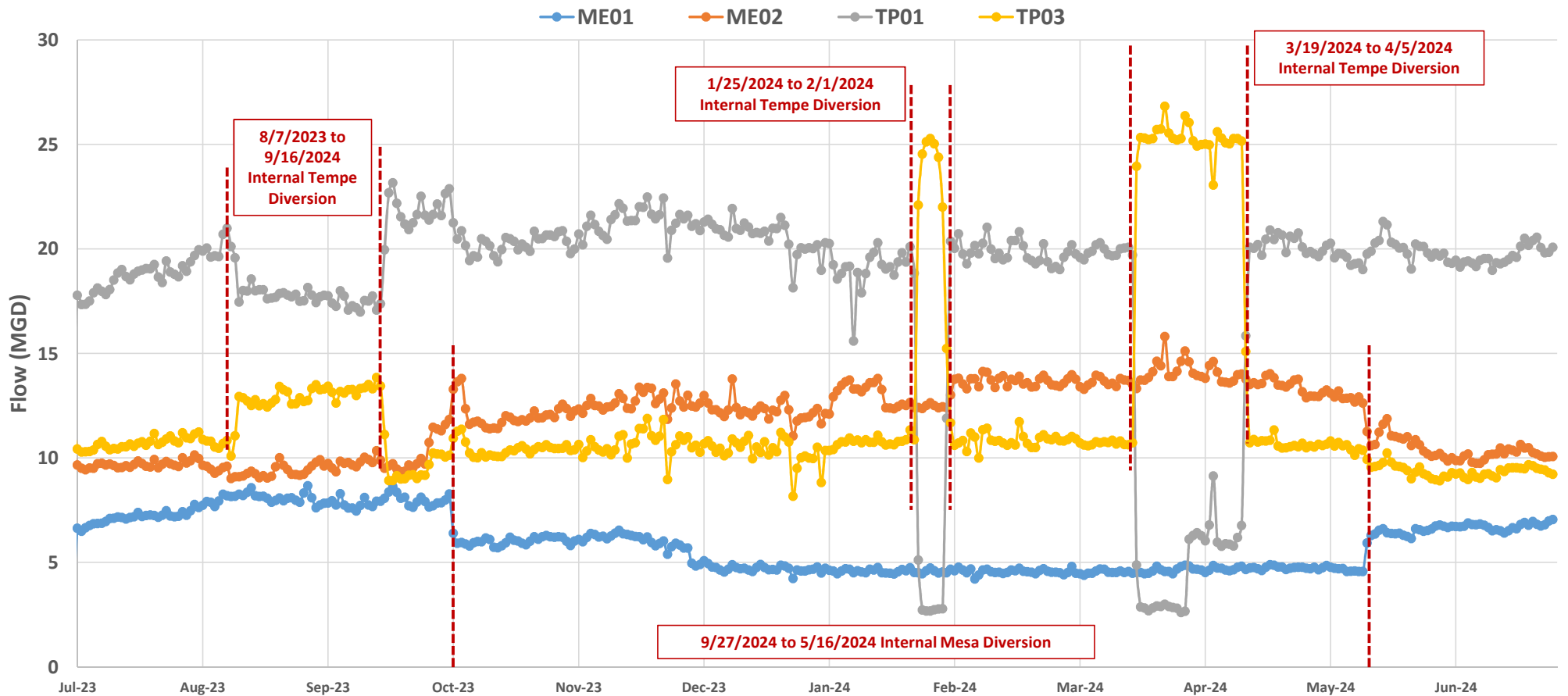
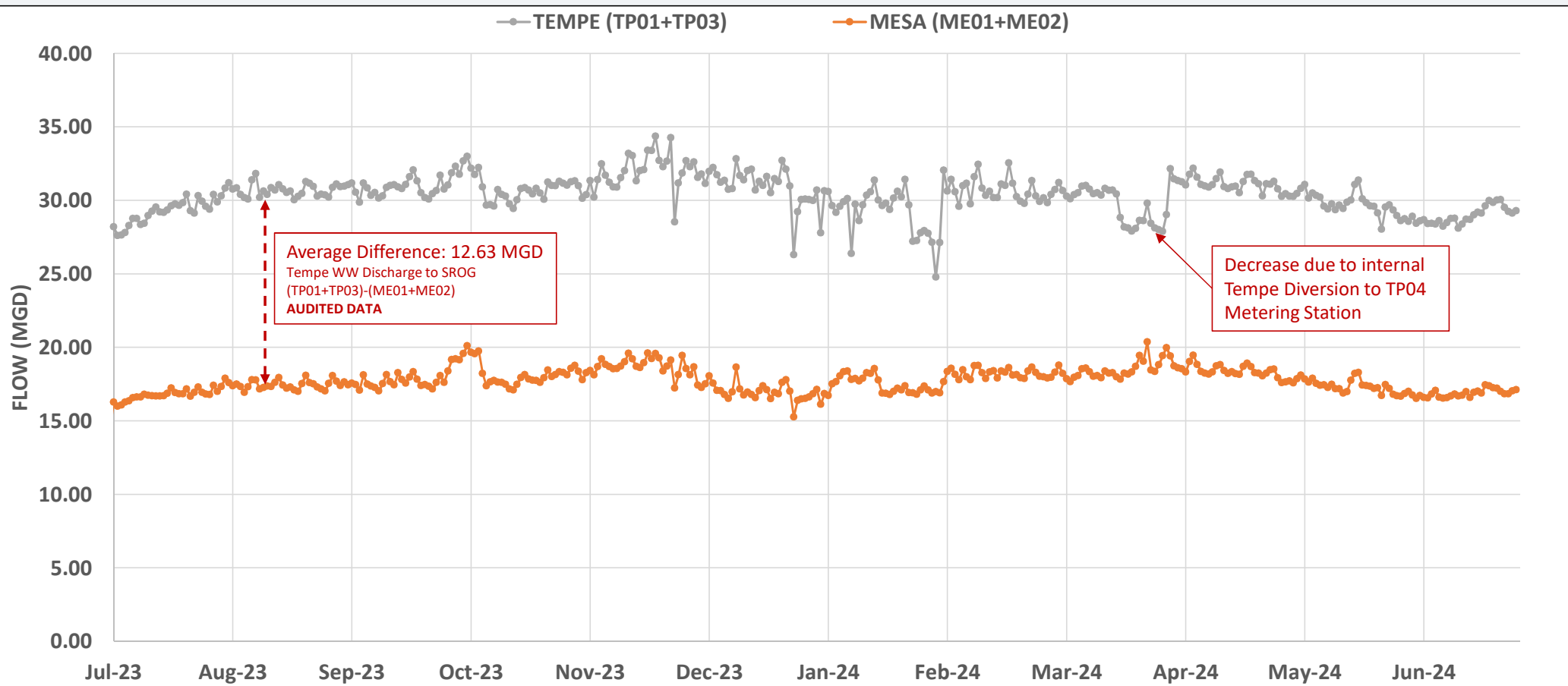


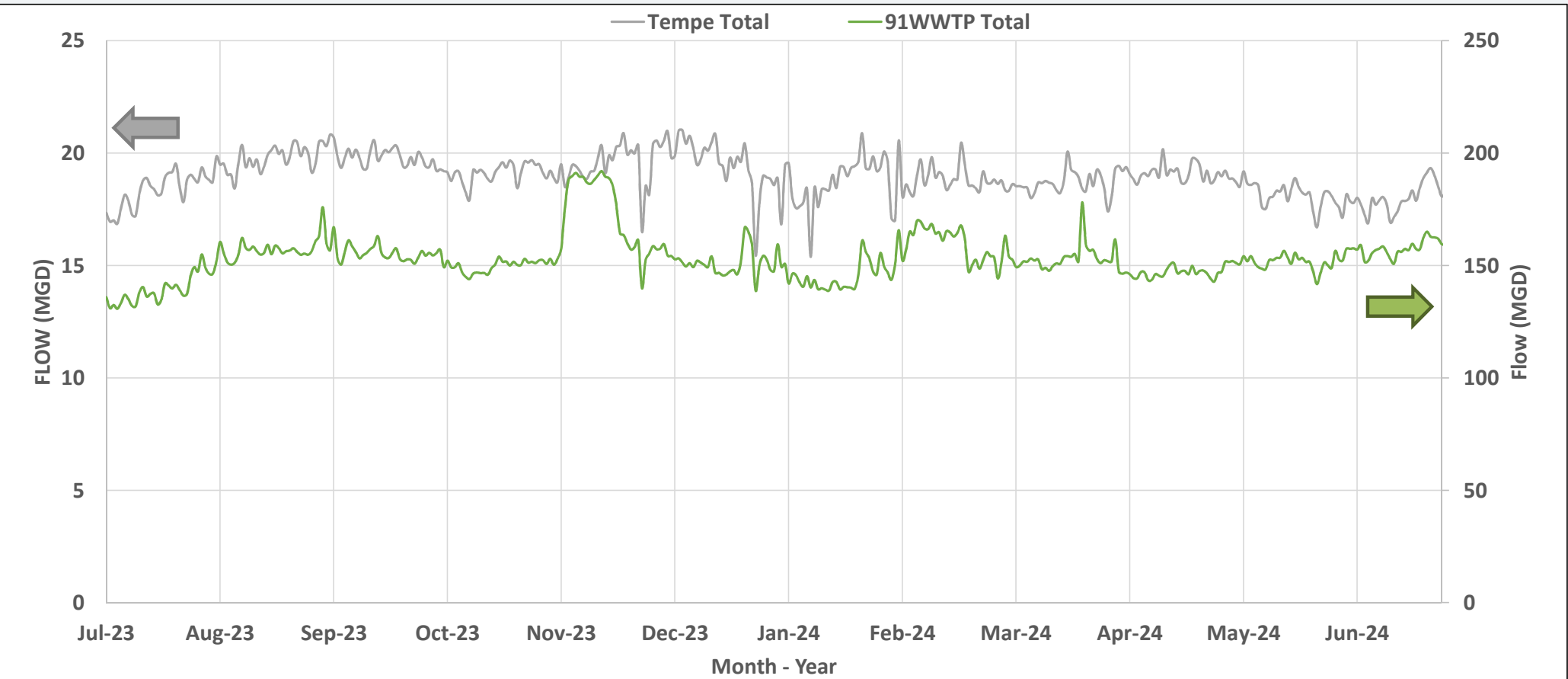
Figure Developed Using Audited Data







# TEMPE DISCHARGES TO THE SROG SYSTEM



# MESA AND TEMPE DISCHARGES TO SROG FY 23/24

AUDITED DATA

Month	Mesa (MGD)	Tempe (MGD)
Jul/23	17.86	18.37
Aug/23	18.01	19.81
Sep/23	18.50	19.81
Oct/23	18.78	19.12
Nov/23	19.38	19.53
Dec/23	17.86	19.58
Jan/24	19.14	18.72
Feb/24	19.91	18.84
Mar/24	20.16	18.61
Apr/24	20.23	19.14
May/24	19.45	18.28
Jun/24	18.98	17.96
<b>Average (MGD)</b>	<b>19.07</b>	<b>19.03</b>

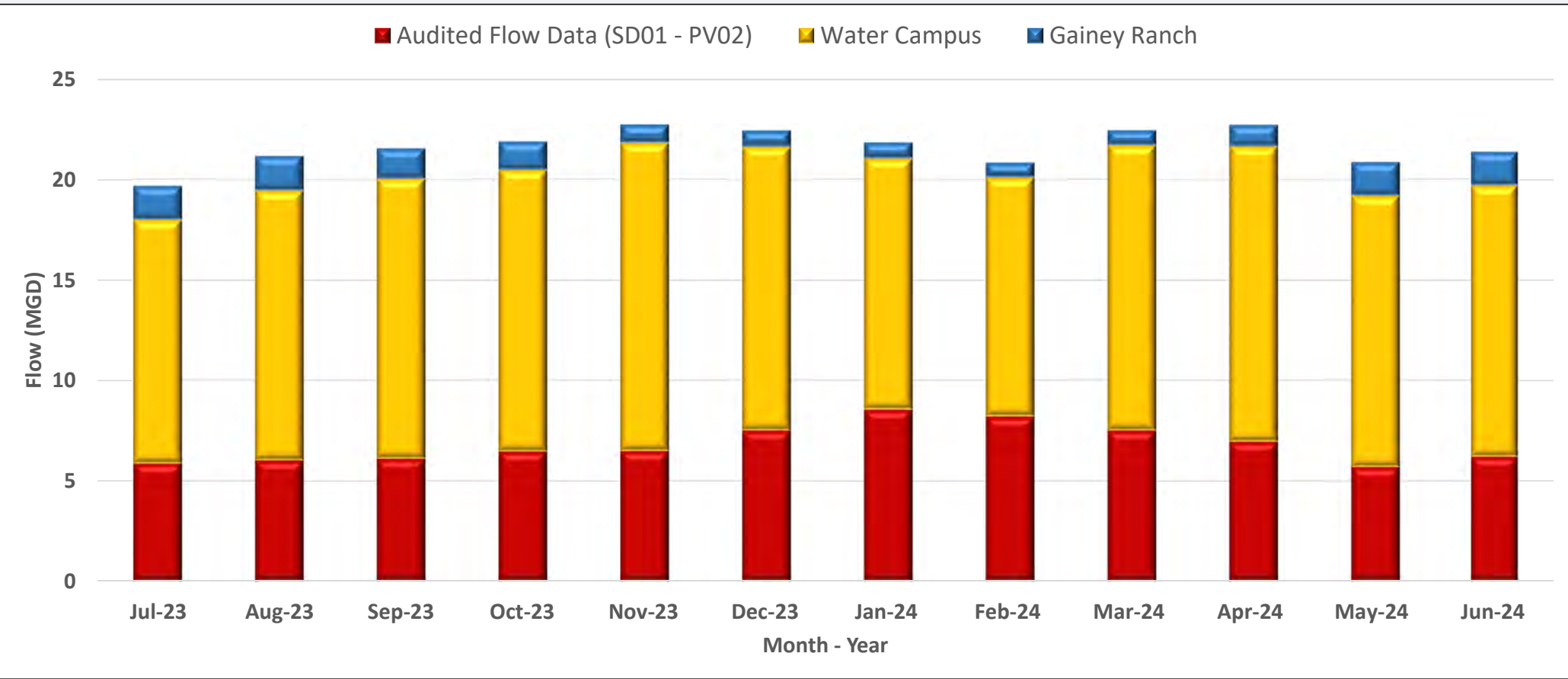


# City of Scottsdale

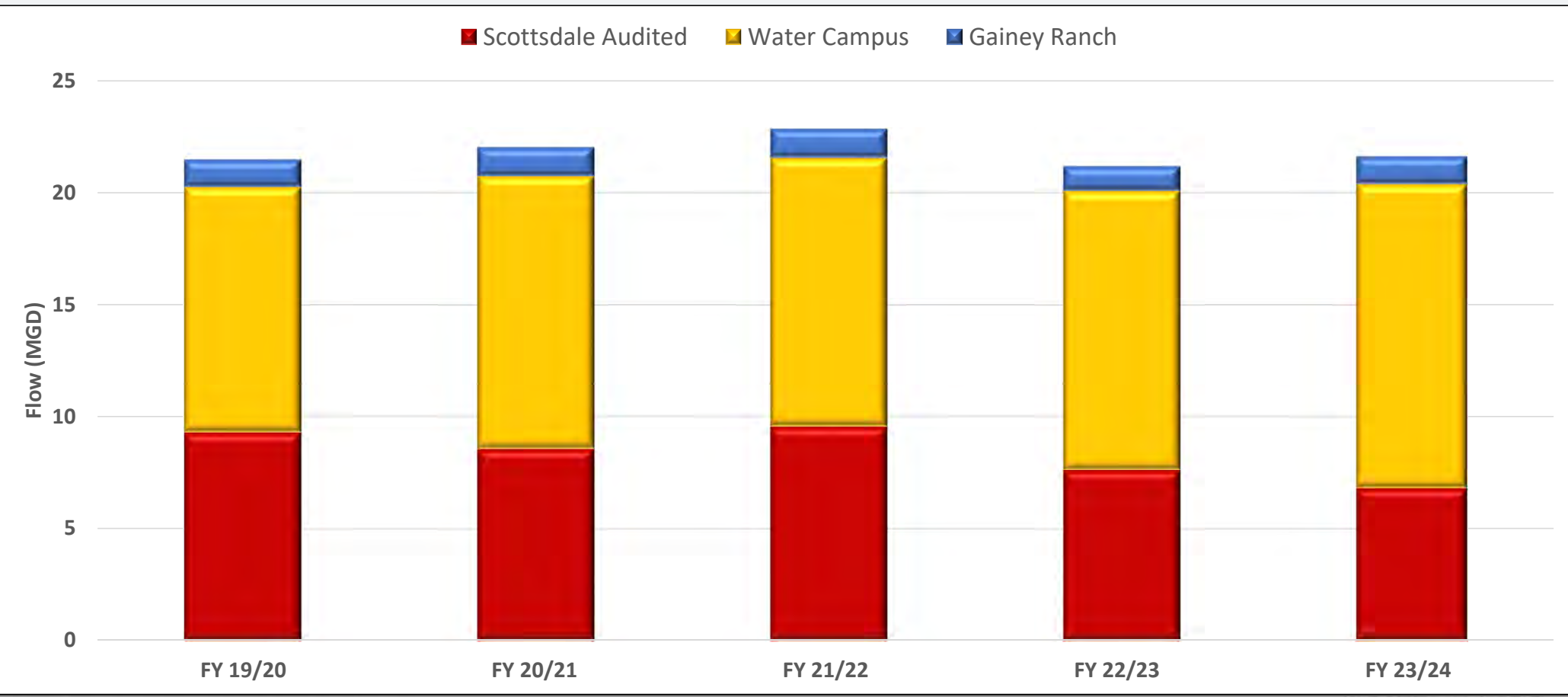


- Meter Calibration (March 2023)
- Scottsdale Provided Monthly Average Influent Flow Data for WCWRP and GRWRP
- Sampling Data Available August 2023 to June 2024

# CITY OF SCOTTSDALE TOTAL MONTHLY AVERAGE WW FLOWS



# CITY OF SCOTTSDALE – 5 YEAR COMPARISON





# City of Phoenix





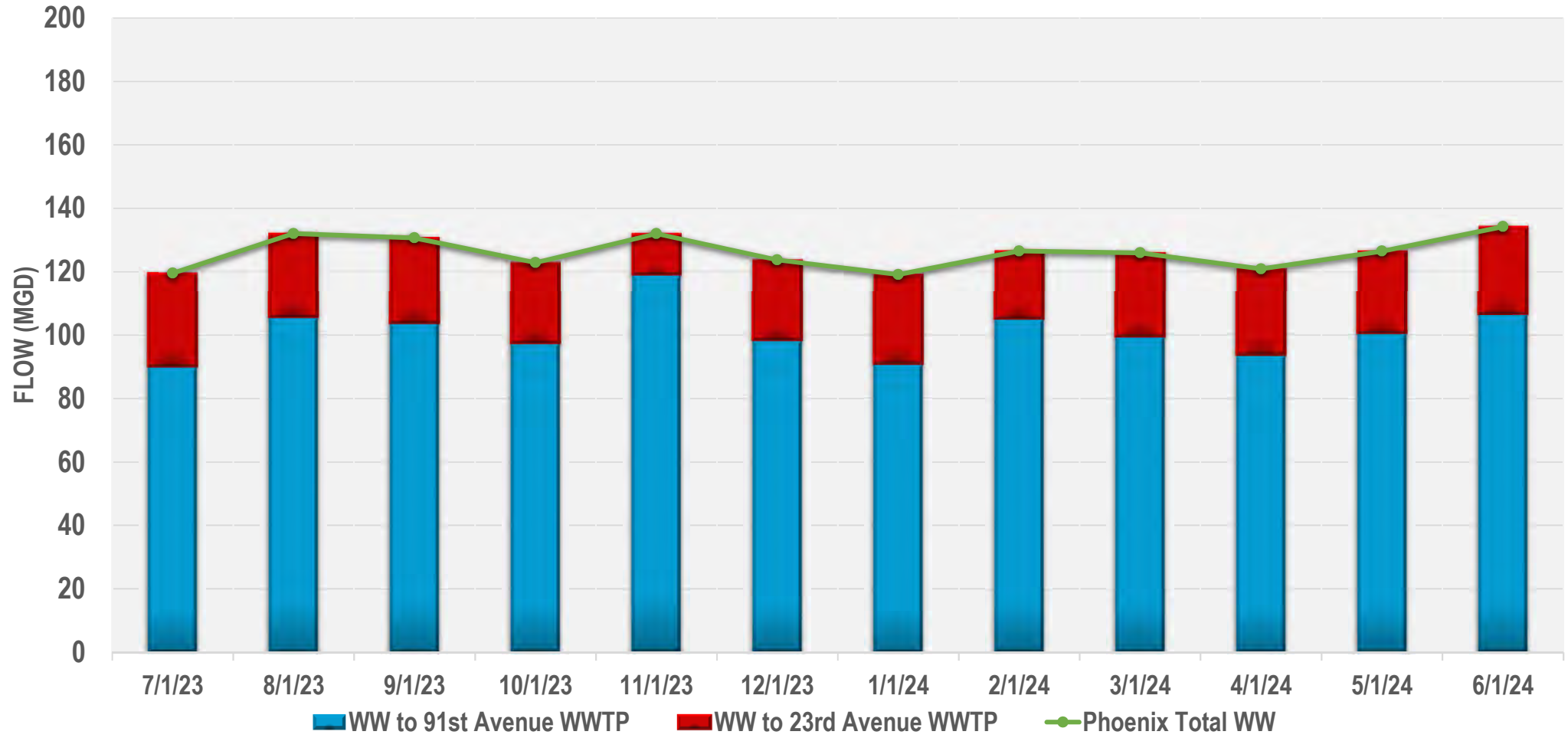
# PHOENIX TO 91<sup>ST</sup> AVENUE WWTP

AUDITED DATA

Month	Glendale (MGD)	Mesa (MGD)	Scottsdale (MGD)	Tempe (MGD)	Phoenix (MGD)
Jul/23	7.37	17.86	5.86	18.37	90.06
Aug/23	8.07	18.01	6.02	19.81	105.45
Sep/23	7.66	18.50	6.10	19.81	103.59
Oct/23	8.13	18.78	6.46	19.12	97.34
Nov/23	7.68	19.38	6.48	19.53	119.09
Dec/23	8.26	17.86	7.50	19.58	98.21
Jan/24	7.92	19.14	8.53	18.72	90.68
Feb/24	7.74	19.91	8.48	18.84	105.04
Mar/24	7.91	20.16	7.50	18.61	99.34
Apr/24	7.26	20.23	6.94	19.14	93.47
May/24	7.48	19.45	5.69	18.28	100.56
Jun/24	7.56	18.98	6.21	17.96	101.31
<b>Average</b>	<b>7.78</b>	<b>19.07</b>	<b>6.79</b>	<b>19.03</b>	<b>100.57</b>

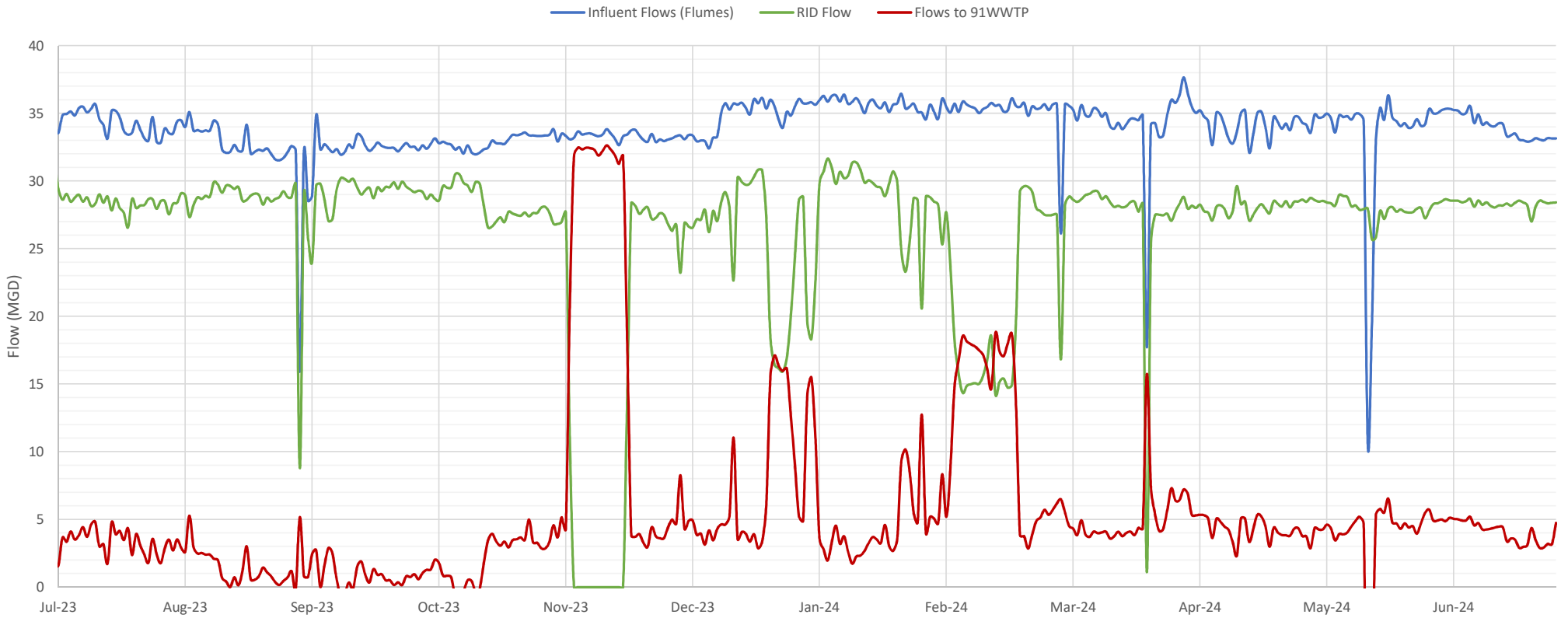


# PHOENIX TREATED WW FLOWS – FY23/24



# PHOENIX – 23<sup>RD</sup> AVE. WWTP FLOW DIVERSIONS

23WWTP Flow Comparison



# PHOENIX – 23<sup>RD</sup> AVE. WWTP FLOW DIVERSIONS

Month	Influent Flow - Flumes	NPW Plant Usage	Other Residuals	Effluent to RID	Effluent to 91WWTP
Jul-23	34.27	2.54	1.52	28.44	4.81
Aug-23	32.25	2.45	1.82	27.62	4
Sep-23	32.49	2.42	1.91	29.14	2.84
Oct-23	32.90	1.82	1.92	28.14	4.86
Nov-23	33.31	1.51	1.28	14.38	18.7
Dec-23	34.71	1.96	2.14	25.65	9.24
Jan-24	35.72	2.18	2.38	28.63	7.29
Feb-24	35.50	2.52	2.31	21.32	13.97
Mar-24	33.90	1.94	2.34	26.93	7.37
Apr-24	34.41	1.77	2.61	28.13	7.12
May-24	33.27	1.89	2.57	27.92	6.03
Jun-24	34.13	1.64	2.40	28.33	6.56
<b>Average</b>	<b>36.57</b>	<b>33.91</b>	<b>2.05</b>	<b>26.22</b>	<b>7.73</b>



**Questions**