



Carmel Area Wastewater District

2020 Annual

Operations & Compliance Report

ORDER # 93-72

**Reclamation
(Tertiary)**



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General Manager
Edward Waggoner
Operations Superintendent
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Legal Counsel

Carmel Area Wastewater District

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Tuesday, January 19, 2021

California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906
centralcoast@waterboards.ca.gov

Subject: 2020 Carmel Area Wastewater District Annual Reclamation Operations & Compliance Report - ORDER #93-72

Tamara Anderson, P.E.

Enclosed please find the Carmel Area Wastewater District's Annual Report submitted as requested by the California Regional Water Quality Control Board and the State Water Resources Control Board

Section One (1): Tabular summary of the monitoring data obtained during the previous year -2020
Section Two (2): Graphical summary of the monitoring data obtained during the previous year -2020
Section Three (3): Discussion of compliance record and corrective actions taken or requested to bring discharge into full compliance.
Section Four (4): List of current operating personnel and their grade of certification.
Section Five (5): Carmel Area Wastewater District's Operation & Maintenance Manual status discussion.
Section Six (6): Statement concerning the laboratories used by Carmel Area Wastewater District to monitor compliance with effluent limits and summary of performance as required by section B, General Monitoring Requirements.

Respectfully Submitted,

CARMEL AREA WASTEWATER DISTRICT

Edward Waggoner
Operations Superintendent

SECTION ONE

Tabular summary of the monitoring data

Reclamation

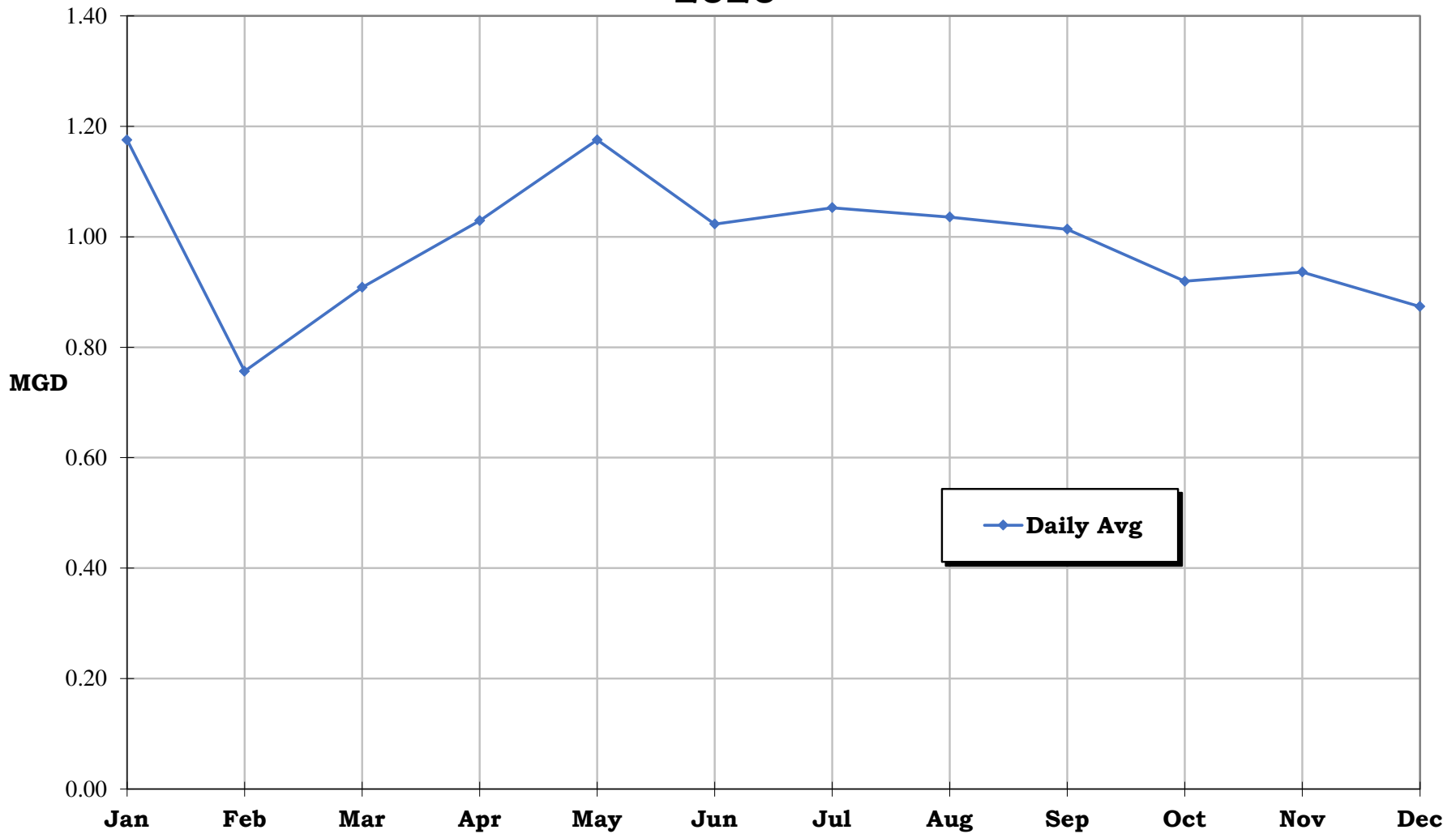
TABULAR MONTHLY AVERAGE SUMMARY OF 2020 NPDES REPORTABLE DATA

Month	Reclaimed Flows		CBOD	Total Suspended Solids	Turbidity		CL2 Residual		pH	Total Coliforms	Total Coliforms	Sett. Solids	TDS
	Monthly Total Flow	Daily Avg	5-Day mg/l	Total Residue mg/l	Metered NTU's		Metered mg/l		Grab Daily Units	mpn / 100 ml	mpn / 100 ml	ml/l	mg/l
	MG	MGD			Avg	Max	Min	Max		(Avg)	(Max)		
Jan	25.854	1.175	1.81	0.17	0.03	0.03	8.8	10.1	7.1	<1.0	<1.0	<0.1	235
Feb	15.126	0.756	2.25	0.41	0.02	0.03	6.8	8.6	7.4	14.0	261.3	<0.1	
Mar	6.359	0.908	1.43	0.26	0.02	0.03	7.7	9.3	7.2	<1.0	<1.0	<0.1	
Apr	16.465	1.029	1.56	0.21	0.02	0.02	7.5	9.2	7.2	<1.0	<1.0	<0.1	163
May	32.746	1.175	2.34	0.28	0.01	0.02	7.1	8.2	7.3	<1.0	<1.0	<0.1	
Jun	30.692	1.023	2.16	0.20	0.02	0.02	8.3	9.8	7.2	<1.0	<1.0	<0.1	
Jul	32.631	1.053	2.65	0.31	0.02	0.03	8.0	9.0	7.1	<1.0	<1.0	<0.1	219
Aug	32.099	1.035	2.40	0.29	0.02	0.03	8.1	9.0	7.1	<1.0	<1.0	<0.1	
Sep	30.402	1.013	1.44	0.08	0.01	0.03	8.1	9.0	7.1	<1.0	<1.0	<0.1	
Oct	28.503	0.919	1.85	0.11	0.02	0.04	8.0	9.0	7.0	<1.0	<1.0	<0.1	227
Nov	28.080	0.936	1.42	0.06	0.01	0.03	7.6	8.8	7.1	<1.0	<1.0	<0.1	
Dec	27.085	0.874	1.25	0.10	0.01	0.03	8.4	9.3	7.1	<1.0	<1.0	<0.1	

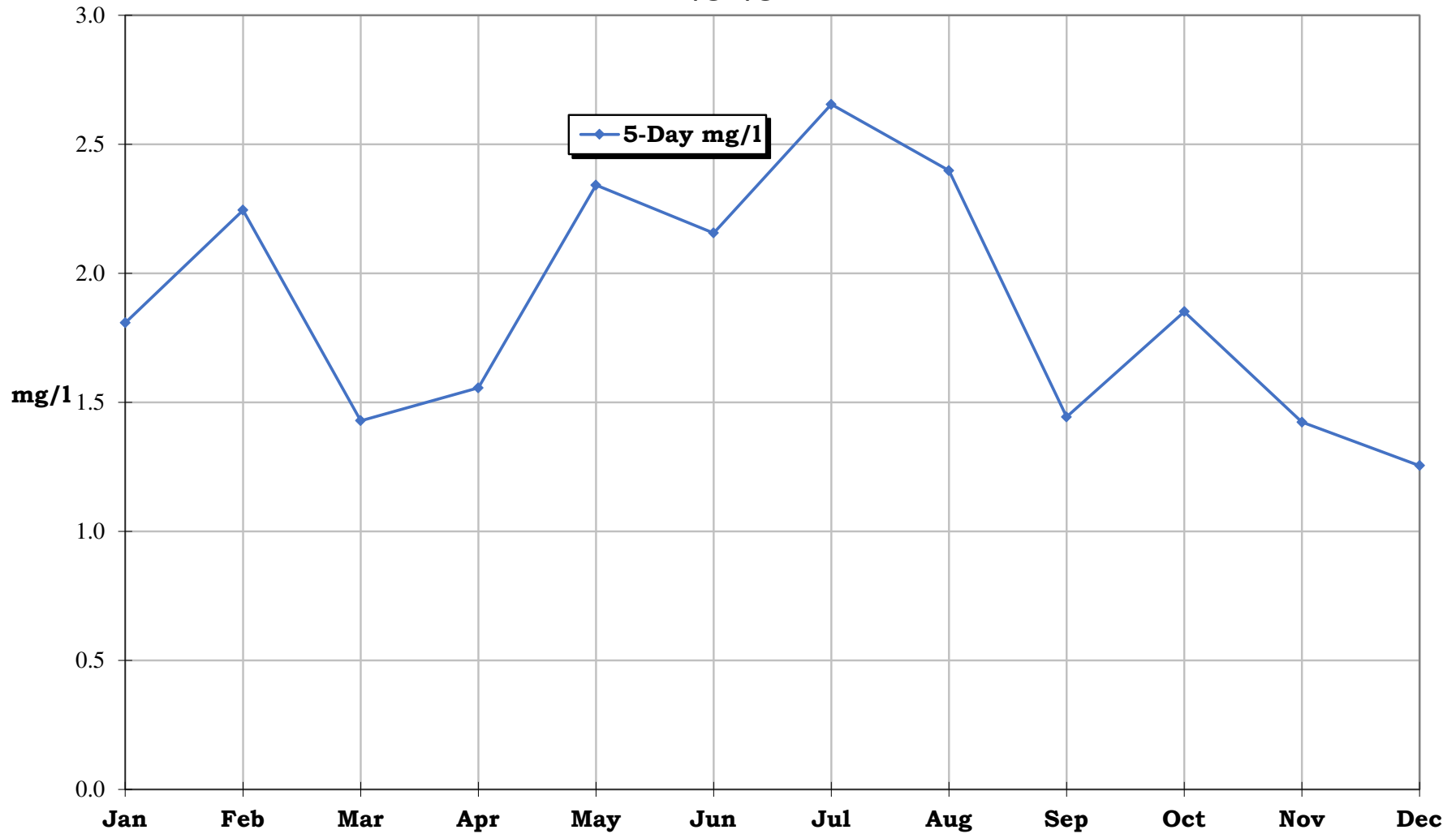
SECTION TWO

Graphical summary of the monitoring
data

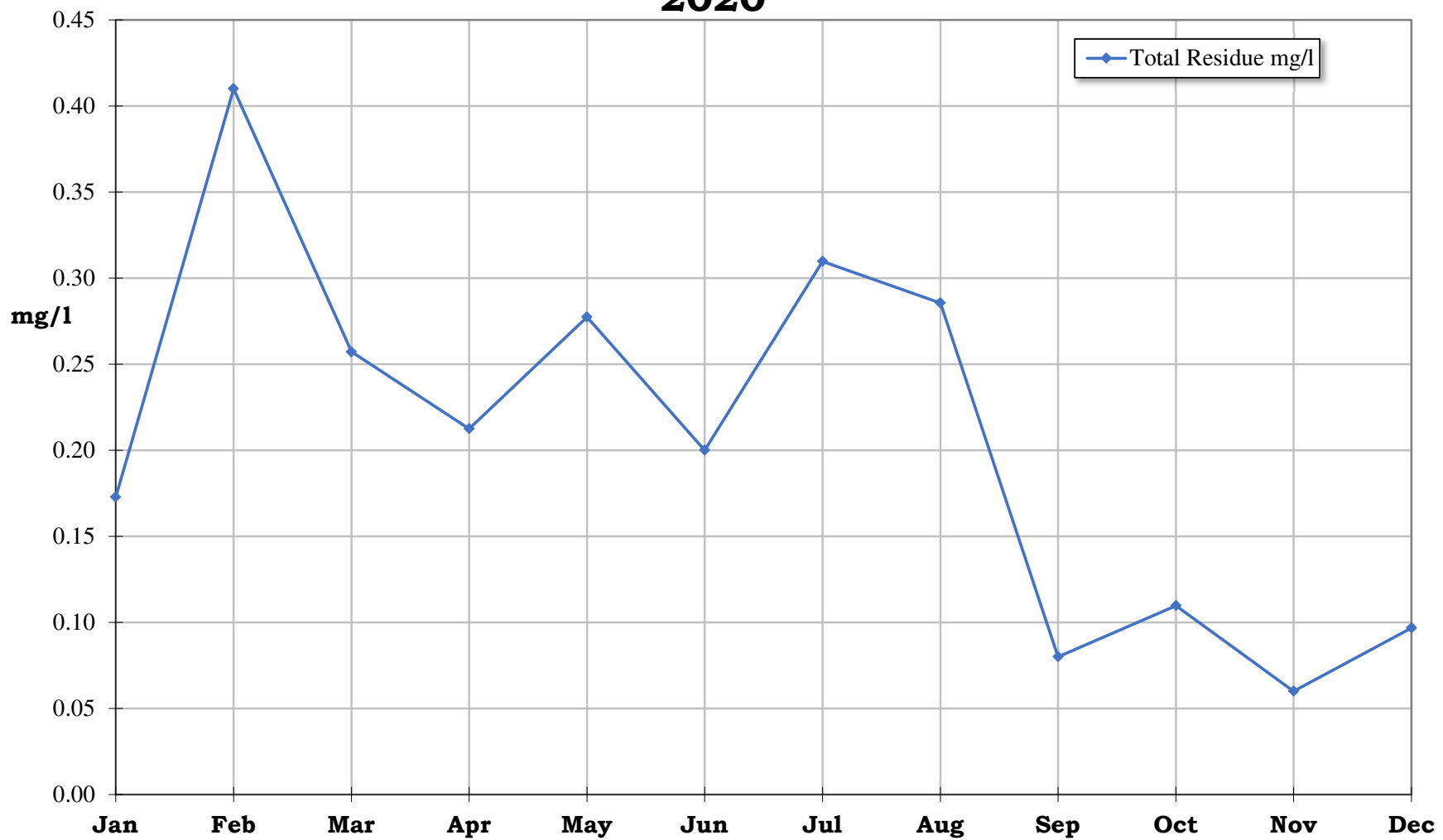
Reclamation Flow Monthly Average 2020



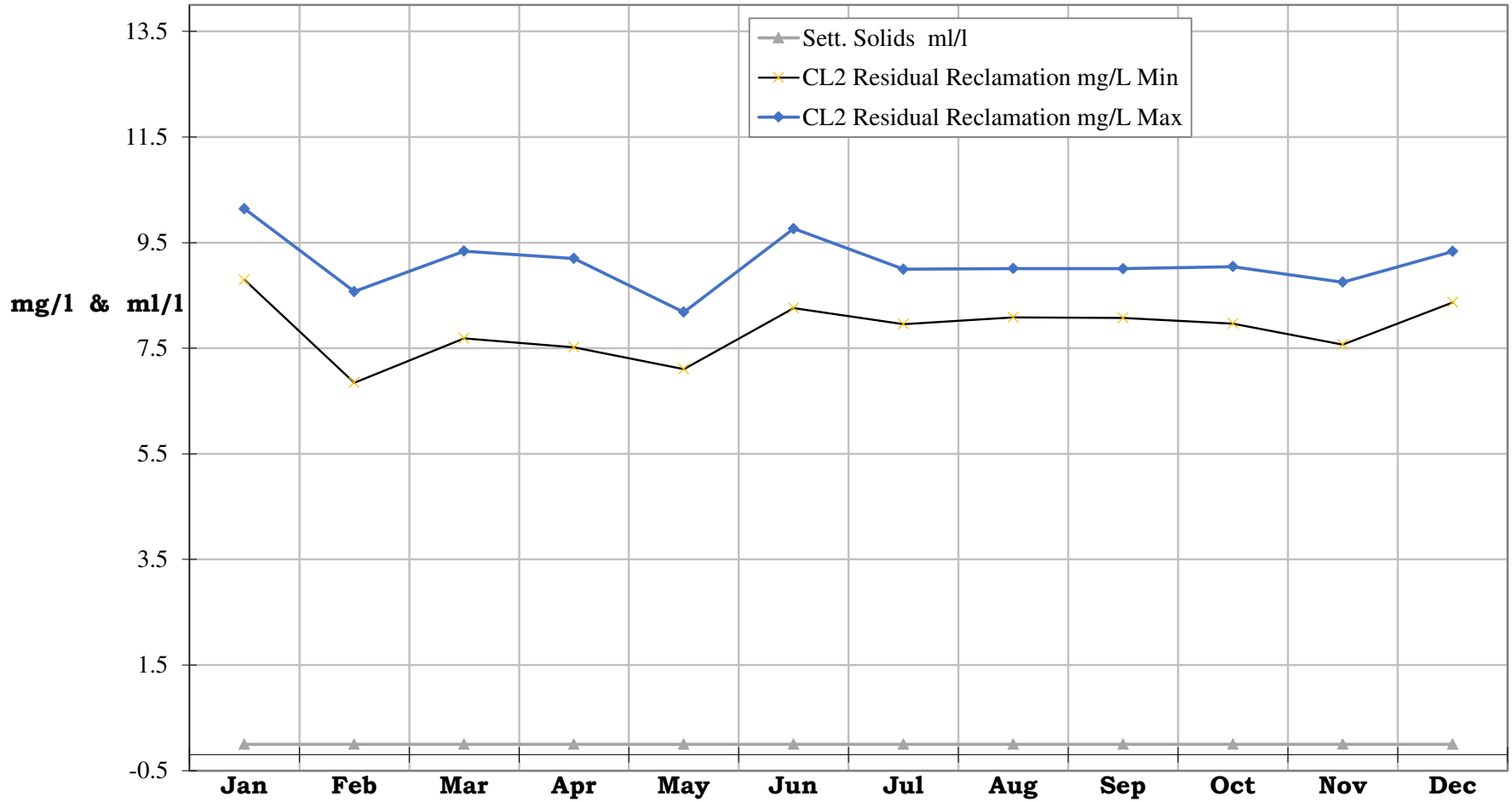
Reclamation CBOD Monthly Average 2020



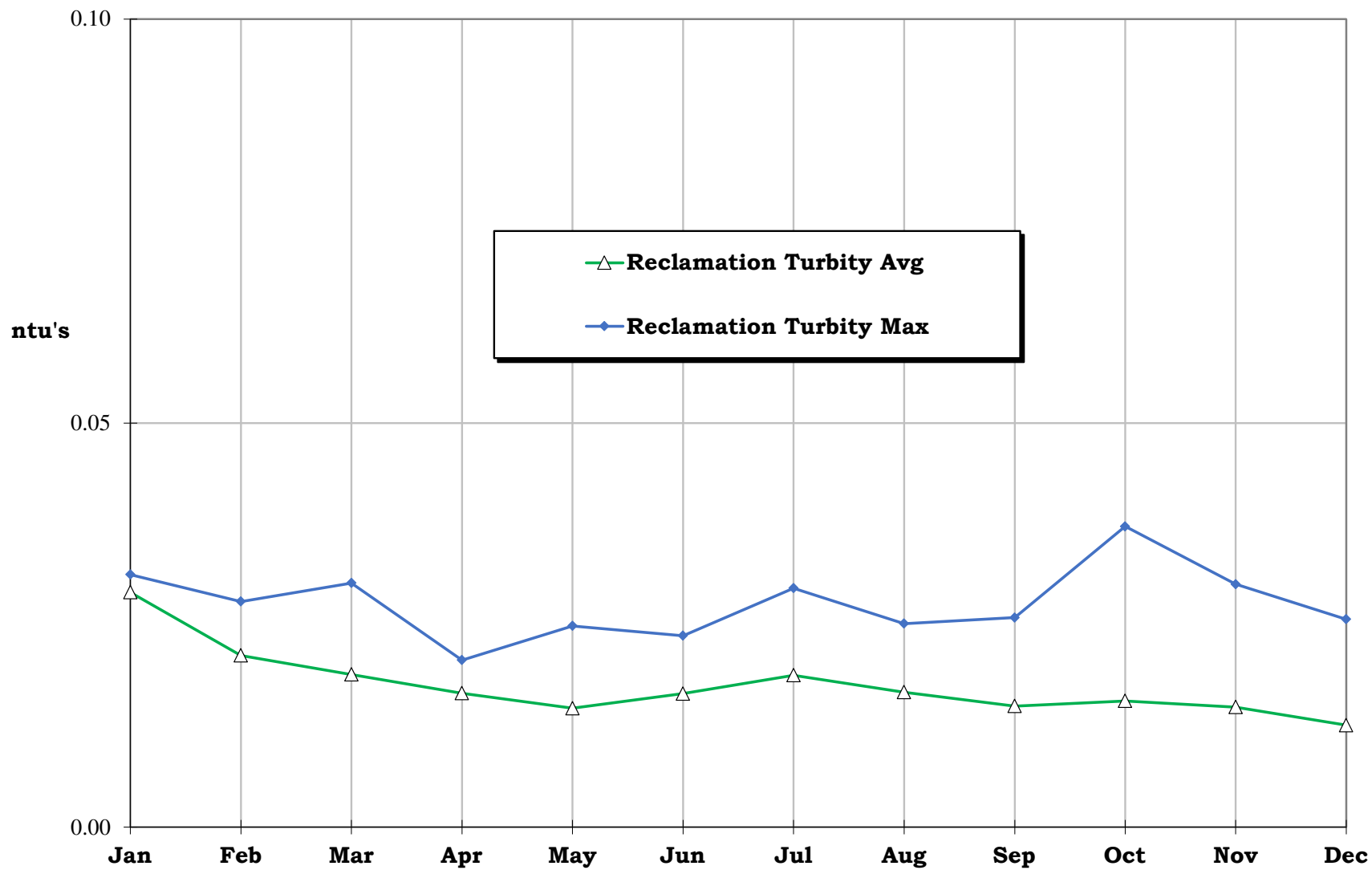
Reclamation T.S.S. Monthly Average 2020



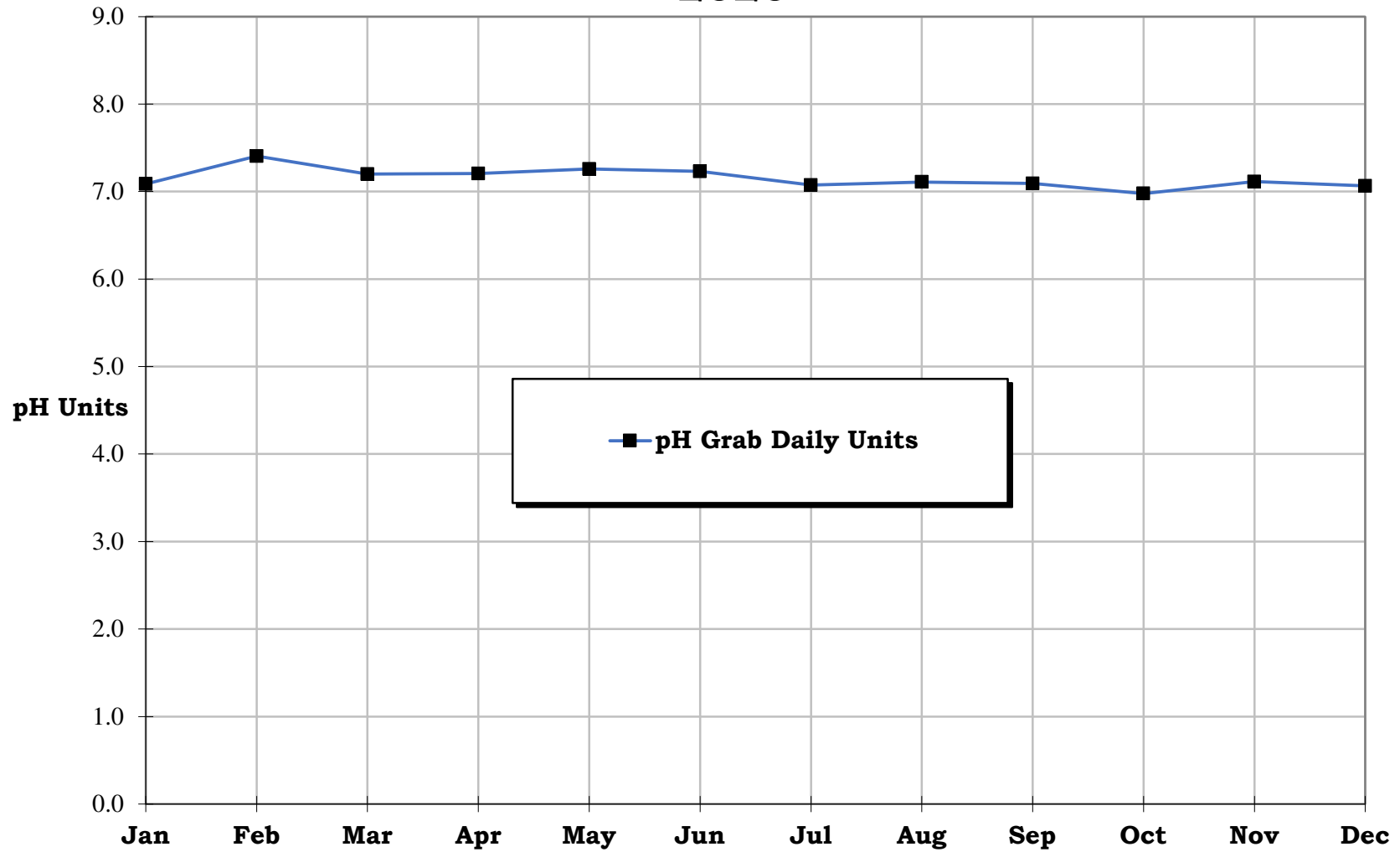
Reclamation Effluent Sett Solids & Chlorine Residual Monthly Average 2020



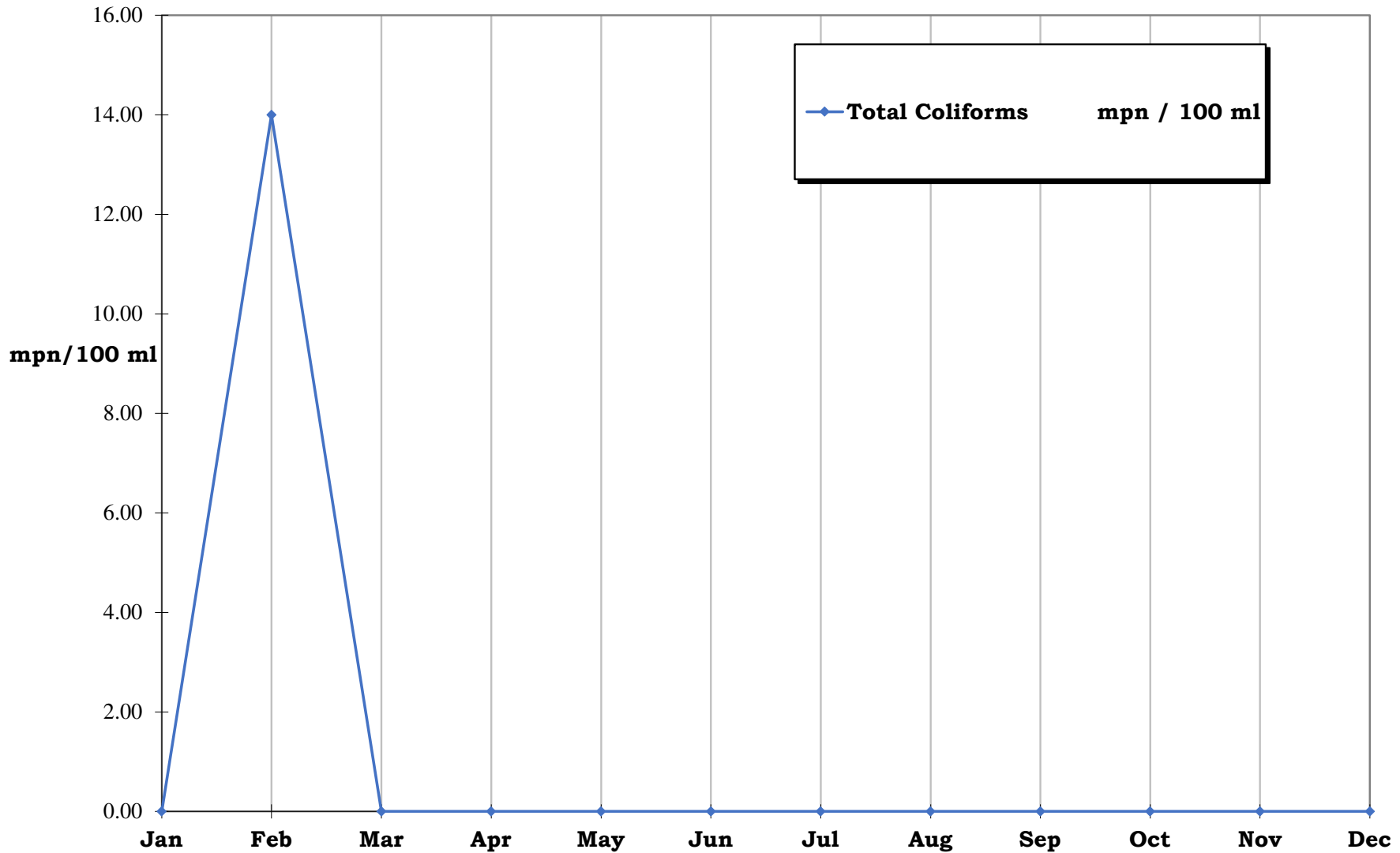
Reclamation Effluent Turbidity Monthly Average 2020



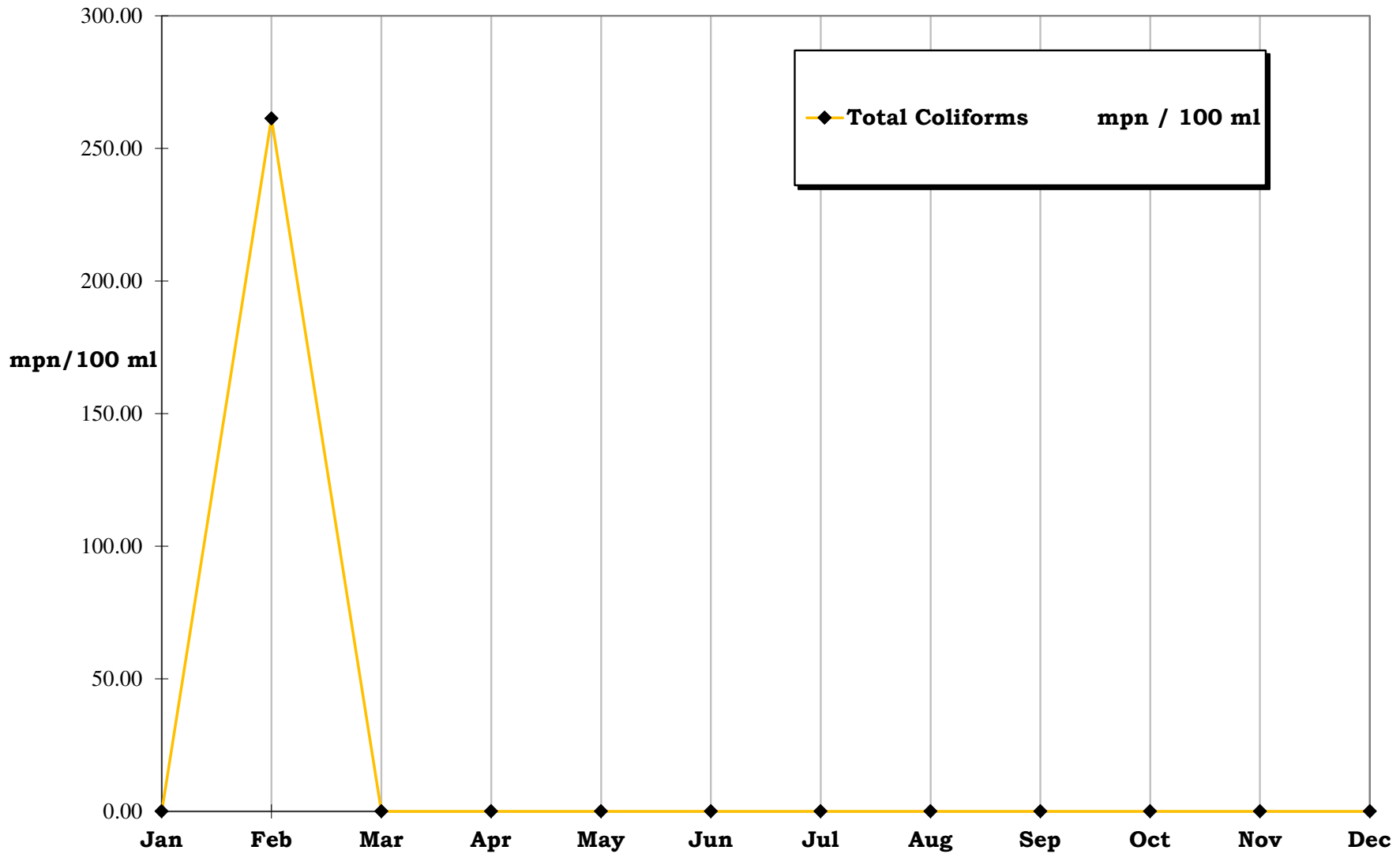
Reclamation Effluent pH Monthly Average 2020



Reclamation Total Coliform Monthly Average 2020



Reclamation Total Coliform Monthly Maximum 2020



SECTION THREE

Discussion of compliance record and
corrective actions

DISCUSSION OF COMPLIANCE RECORD AND CORRECTIVE ACTIONS TAKEN OR REQUESTED TO BRING DISCHARGE INTO FULL COMPLIANCE

February, 2020: Violation of Section A.3 Total Coliform Organism exceedence with vaue of 261.3 MPN/100 ML

Explanation of Cause(s): Reverse Osmosis System was shut down for 18 hours due to the reclaimed reservoir being full, upon restarting of RO System the final Chlorine Residual at sampling station was 5.8 mg/L, so a Coliform Sample was acquired under normal operating parameters.

Corrective Action: Staff resampled within 24-hour time requirement for resample, with coliform results of < 1.0 MPN/100 ML. CAWD staff is reviewing Standard Operating Procedures for sampling of Reclaimed Effluent and retraining operators on those sampling procedures.

SECTION FOUR

List of current operating personnel

**SENIORITY DISTRIBUTION & CERTIFICATION LEVELS OF
CAWD TREATMENT PLANT PERSONNEL
2020**

Name	Operations Position	SWRCB Certification Level Maintained
Edward Waggoner	Operations Superintendent	V
Kevin Young	Operations Supervisor	V
Christian Schmidt	Senior Operator	III
Chris Dixon	Senior Operator	III
Michael Hooks	Senior Operator	III
Charles DayEngel	Operator II	II
Jason Veile	Operator II	II
Michael Garrison	Operator I	III
Name	Maintenance Position	Certification Level Maintained
Chris Foley	Maintenance Superintendent	IV
Michael Skinkle	Maintenance Worker	III
Greg Ange	Maintenance Worker	III
Alejandro Ramos Quintero	Collections Maintenance Worker I	OIT
Mark Dias	Compliance Administrator	OIT
Name	Laboratory Position	Certification Level Maintained
Ray De Ocampo	Laboratory Supervisor	III & I
Trevor Holland	Laboratory Analyst/Environmental Compliance II	IV & I
Fanny Mui	Laboratory Analyst/Environmental Compliance I	II & I



SECTION FIVE

Carmel Area Wastewater District's
Operation & Maintenance Manual status

Carmel Area Wastewater District Wastewater District
Operation Maintenance Manual

STATUS

The Carmel Area Wastewater District's Reclamation Operation and Maintenance Manual was first written and submitted to the District on 12 August, 1994 following a review and comment period.

Corrections/amendments were made and the final version of the Tertiary Operations and Maintenance Manual was submitted to the Carmel Area Wastewater District on 14 March, 1995

The Tertiary Operations and Maintenance Manual was updated in 2007 as part of the Micro Filtration Reverse Osmosis (MF RO) Project. This was done by a joint effort with the Pebble Beach Community Service District.

The Reclamation Operations and Maintenance Manual, as submitted to the District by the design engineer, exist, by contract, as a hardbound copy as well as in an electric version such that Carmel Area Wastewater District Operations/Maintenance/Lab staff can modify procedures/drawings as required by experience/knowledge and system modifications. Thusly modifications occur on an on-going basis.

SECTION SIX

Laboratories used by Carmel Area
Wastewater District

**Statement concerning the laboratories used by the Carmel Area
Wastewater District to monitor compliance with effluent limits and
summary of performance as required by section B. General**

1 Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey , CA 93940

CA ELAP # 2385

2 Pacific Eco Risk
Corporate Headquarters
2250 Cordelia Road
Fairfield, CA 94534

ORELAP ID 4043

3 Carmel Area Wastewater District (CAWD)
Highway One & Carmel River
Carmel, CA 93923
(831) 257-0432 -Phone
(831) 624-1478 -Fax

CA ELAP # 1804

4 Fruit Growers Laboratories (FGL)
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401

CA ELAP # 2775