



Carmel Area Wastewater District

Discharge Monitoring Report

2020 Annual

Operations & Compliance Report

NPDES #CA0047996

ORDER # R3-2014-0012

**ADVANCED SECONDARY
(Ocean Discharge)**



Barbara Buikema
General Manager
Edward Waggoner
Operations Superintendent
Robert R. Wellington
Legal Counsel

Carmel Area Wastewater District

P.O. Box 221428 Carmel California 93922 ♦ (831) 624-1248 ♦ FAX (831) 624-0811

Board of Directors
Gregory D'Ambrosio
Michael K. Rachel
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Ken White

Tuesday, January 19, 2021

Tamara Anderson
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 Secondary Operations & Compliance Report - ORDER #R3-2014-0012, NPDES #CA0047996

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.
Section Seven (7):	Summary of sludge quantities, analyses of sludge chemical and moisture content, and ultimate sludge destination not included as there exists a provision for sludge monitoring within the Carmel Area Wastewater District's Monitoring and Reporting Program.
Section Eight (8):	Evaluation of the effectiveness of the local source control or pretreatment program using the State Water Resources Control Board's "Guidelines for Determining the Effectiveness of Local Pretreatment Program."

Respectfully Submitted,

CARMEL AREA WASTEWATER DISTRICT

Edward Waggoner
Operations Superintendent

SECTION ONE

Tabular summary of the monitoring data

TABULAR SUMMARY OF 2020 NPDES REPORTABLE DATA

Month	Influent Flows			BOD			Suspended Solids			Sett Solids	CL2 Residual	Removal Efficiency		pH Effluent Units		O&G	
	Total	CAWD total	PBCSD total	Influent mg/l	Effluent mg/l	Effluent lb/day	Influent mg/l	Effluent mg/l	Effluent lb/day	Effluent ml/l	Effluent mg/l	BOD %	T.S.S. %	Min	Max	Effluent mg/l	Effluent lb/day
Jan	43.210	26.920	16.290	300	15	44	506	10	69	0.1	0.00	95	98	6.9	7.5	NODI(B)	NODI(B)
Feb	34.316	22.540	11.776	374	12	32	685	12	79	0.1	0.00	97	98	7	7.5	NODI(B)	NODI(B)
Mar	53.642	33.312	20.330	277	13	154	475	11	130	0.1	0.00	95	98	6.6	7.5	NODI(B)	NODI(B)
Apr	50.713	30.479	20.234	308	14	90	514	16	133	0.1	0.00	95	97	6.7	7.6	NODI(B)	NODI(B)
May	36.331	21.512	14.819	284	17	19	674	23	26	NODI(B)	0.00	94	97	7.2	7.7	NODI(B)	NODI(B)
Jun	34.884	22.854	12.030	349	17	20	585	26	30	NODI(B)	0.00	95	96	7.1	7.6	NODI(B)	NODI(B)
Jul	37.211	25.504	11.707	250	17	20	502	21	26	NODI(B)	0.00	93	96	7.1	7.7	NODI(B)	NODI(B)
Aug	36.386	24.877	11.509	353	12	14	772	17	21	0.1	0.00	97	98	7.1	7.6	NODI(B)	NODI(B)
Sep	33.559	23.082	10.477	393	11	10	637	12	12	0.1	0.00	97	98	6.8	7.6	NODI(B)	NODI(B)
Oct	32.551	23.689	8.862	304	12	12	461	14	14	0.1	0.00	96	97	7	7.6	NODI(B)	NODI(B)
Nov	31.644	23.089	8.555	352	16	16	511	13	13	0.1	0.00	95	97	7	7.6	NODI(B)	NODI(B)
Dec	30.572	21.732	8.840	356	15	13	593	12	12	NODI(B)	0.00	96	98	6.6	7.3	NODI(B)	NODI(B)

NODI(B) = NO DETECTION

Month	Turbidity	Ammonia Effluent mg/l	Nitrate Effluent mg/l	Effluent	Sludge Cake	Effluent Coliform	Urea Effluent mg/l	Silicate Effluent mg/l	Receiving Waters Total Coliform			Fecal Coliform			Entero. Org.		
	Effluent NTU's			Temp Deg. F	Total Cu.Yds.	Bacteria mpn/100 ml			K-4 mpn/100 ml	K-5 mpn/100 ml	K-6 mpn/100 ml	K-4 mpn/100 ml	K-5 mpn/100 ml	K-6 mpn/100 ml	K-4 mpn/100 ml	K-5 mpn/100 ml	K-6 mpn/100 ml
Jan	2.13	27.2	211	64.6	172.0	1	129	183	NA	NA	NA	NA	NA	NA	NA	NA	NA
Feb	3.58	11.4	13.3	66.6	139.2	1	54	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mar	3.55	3.8	17.4	66	170.9	1	64	24	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr	4.91	4.7	19.2	67	99.0	2	70	27	NA	NA	NA	NA	NA	NA	NA	NA	NA
May	2.51	112	108	70.1	118.8	2	51	180	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jun	3.59	21.7	214	71.4	160.3	1	117	159	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul	3.82	20.9	204	72.4	153.2	1	98	111	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aug	2.68	23.4	126	74.9	122.2	1	109	157	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sep	1.95	29.6	245	74	154.0	1	76	185	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oct	2.67	17.5	178	73.3	133.3	1	158	178	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nov	1.82	18.7	152	69.8	110.1	1	130	201	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dec	1.52	31.2	217	65.8	180.5	1	139	198	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = No Analysis triggered this reporting year

**CARMEL AREA WASTEWATER DISTRICT
2020 EFFLUENT NITROGEN SPECIES ANALYSIS**

Month	Nitrate Effluent mg/l	Ammonia Effluent mg/l	Toxicity Conc TU a	Toxicity Conc TU c
January	211.0	27.2		
February	13.3	11.4		
March	17.4	3.8	0.00	30.5
April	19.2	4.7		
May	108.0	112		
June	214.0	21.7		
July	204.0	20.9		
August	126.0	23.4		
September	245.0	29.6	0.8	476
October	178.0	17.5		30.5
November	152.0	18.7		
December	217.0	31.2		

2020 SEMI-ANNUAL EFFLUENT ANALYSIS

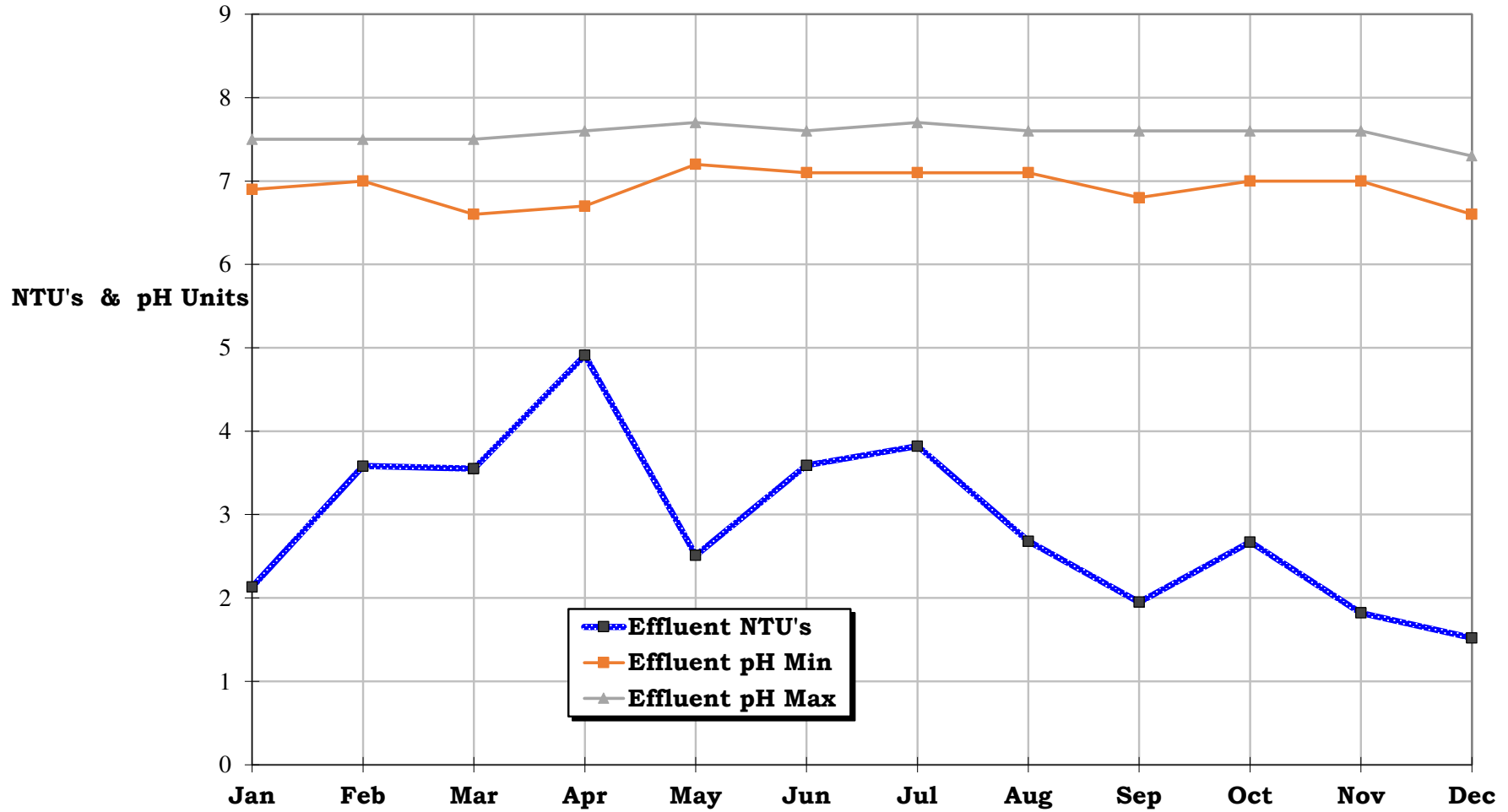
Constituent	Units	Mar-19	Sep-18
Acrolein & Acrylonitrile	µg/L	NODI(B)	NODI(B)
Ammonia-N	mg/L	5.9	4.9
Antimony	µg/L	0.64	2.69
Arsenic	µg/L	0.786	4.82
Beryllium	µg/L	0.2	NODI(B)
Cadmium	µg/L	0.2	NODI(B)
Chlorine Residual, Total	mg/L	NODI(B)	NODI(B)
Chromium III	µg/L	NODI(B)	5.5
Chromium VI	µg/L	0.215	NODI(B)
Chromium, Total	µg/L	0.215	NODI(B)
Copper	µg/L	13.9	55.2
Cyanide	µg/L	NODI(B)	NODI(B)
Dioxin	pg/L	NODI(B)	NODI(B)
Radio Activity (Gross Alpha & Beta)	pCi/L	NODI(B)	NODI(B)
Lead	µg/L	0.221	0.506
Mercury by EPA 245.2	µg/L	0.2	NODI(B)
Nickel	µg/L	8.31	23.1
Organochlorine Pest. & PCBs	µg/L	NODI(B)	NODI(B)
Phenolic Compounds	mg/L	NODI(B)	NODI(B)
Polynuclear Aromatics	µg/L	NODI(B)	NODI(B)
Selenium	µg/L	1.06	8.09
Semivolatile Org. Comp.	µg/L	NODI(B)	NODI(B)
Silver	µg/L	NODI(B)	NODI(B)
Thallium	µg/L	0.1	NODI(B)
Tributyltin	µg/L	0.0018	NODI(B)
Volatile Org. Comp.	µg/L	NODI(B)	NODI(B)
Zinc	µg/L	112	508

NODI(B) = NO DETECTION

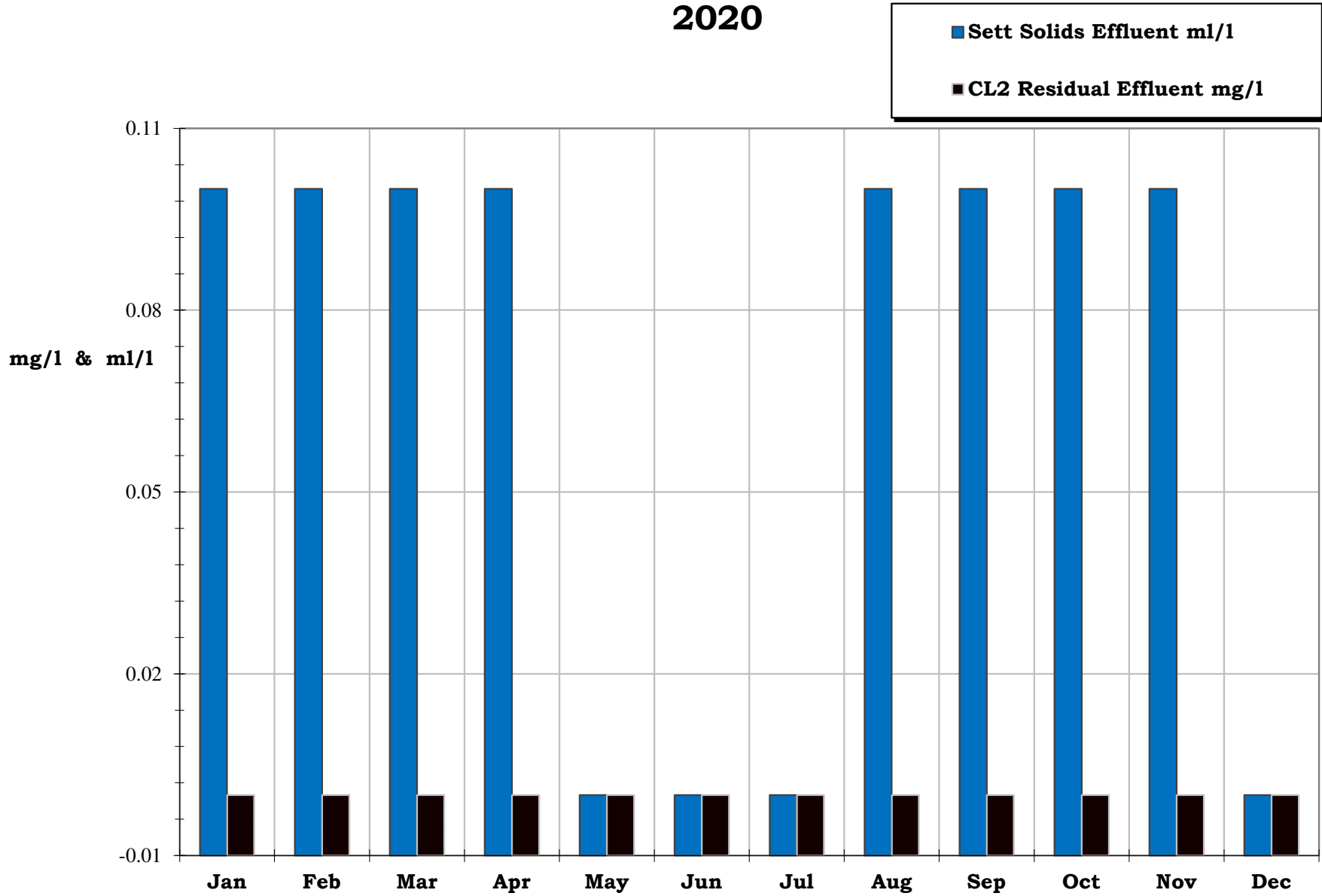
SECTION TWO

Graphical summary of the monitoring
data

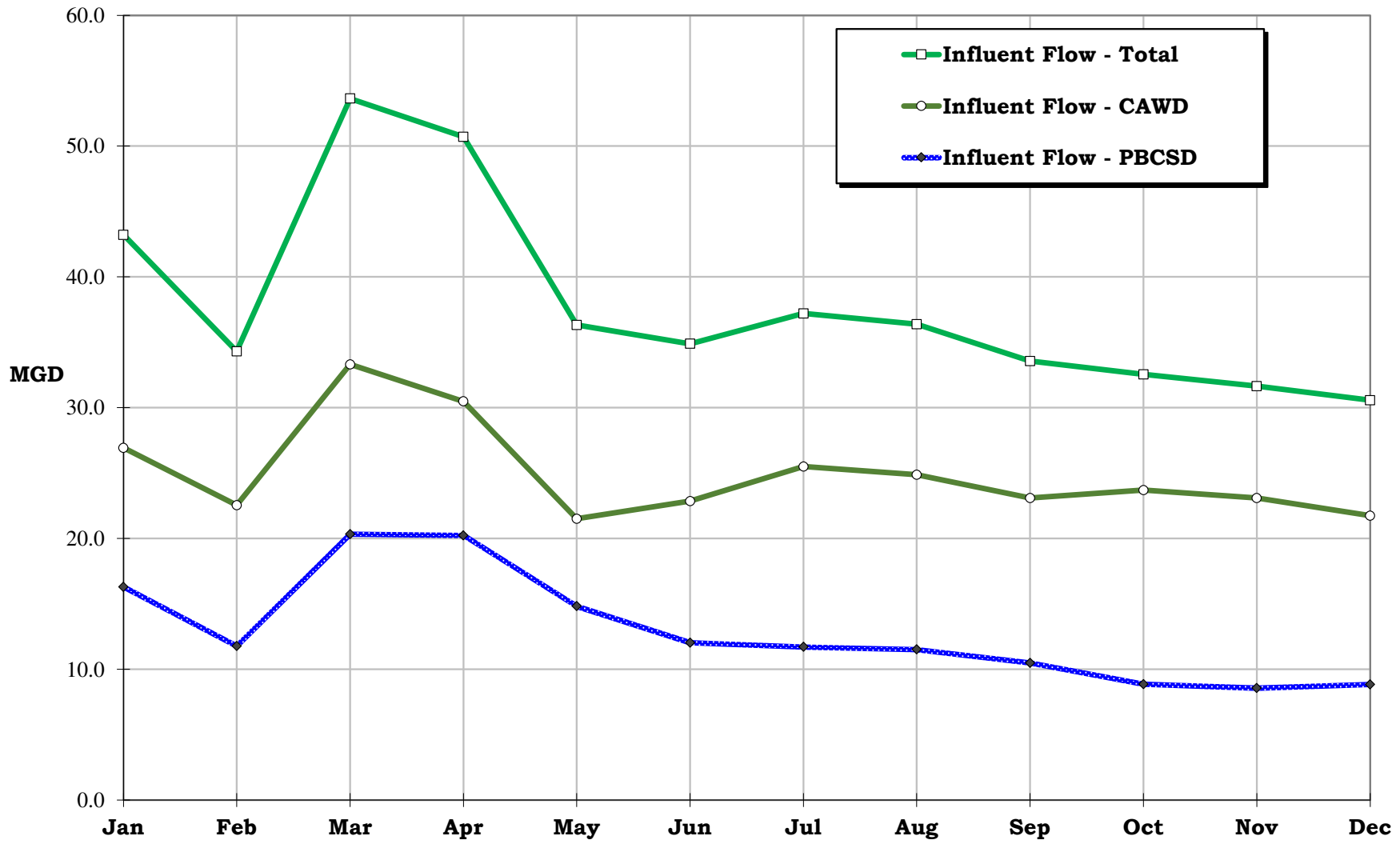
Effluent Turbidity and pH 2020



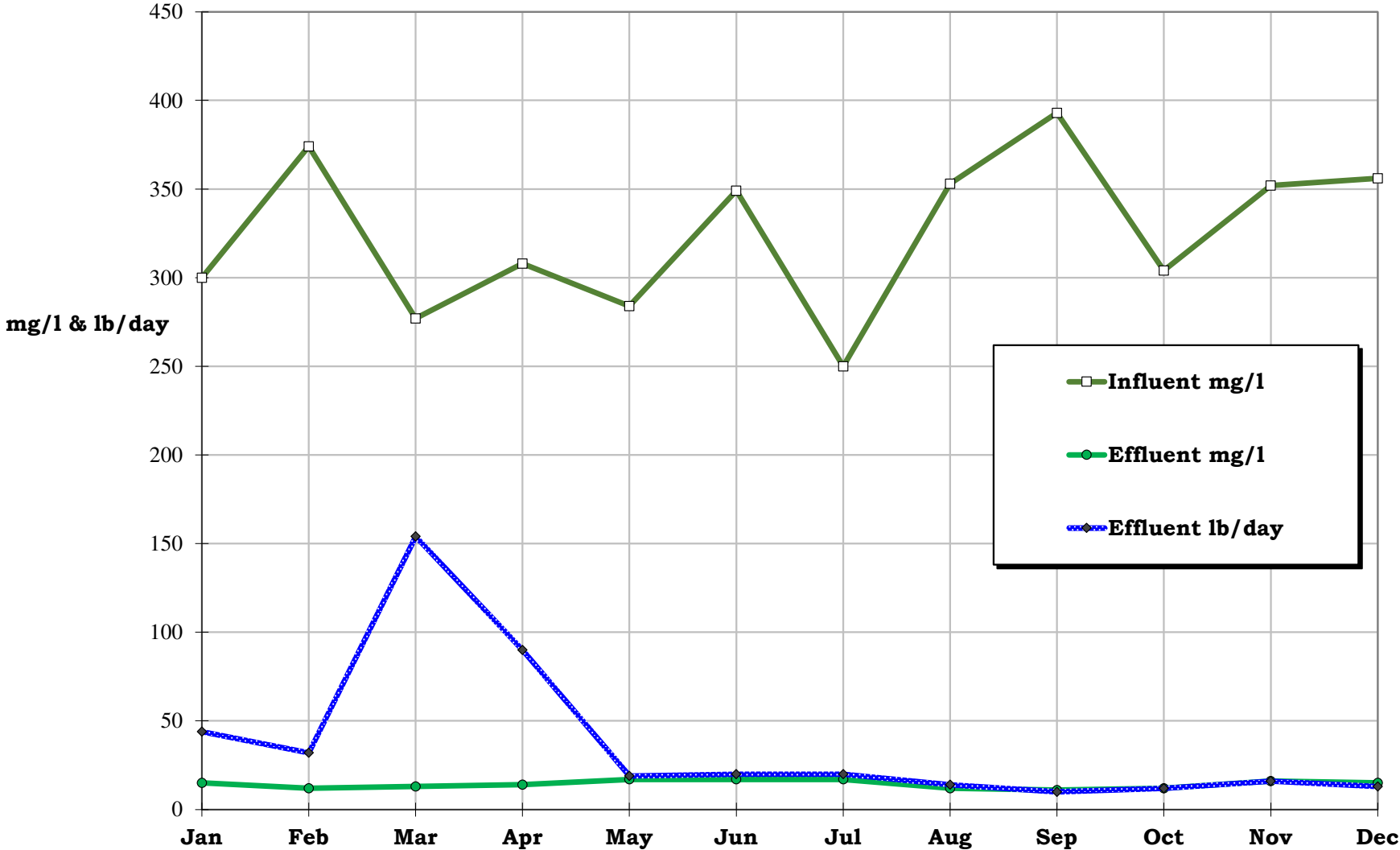
Effluent Settleable Solids & Chlorine Residual 2020



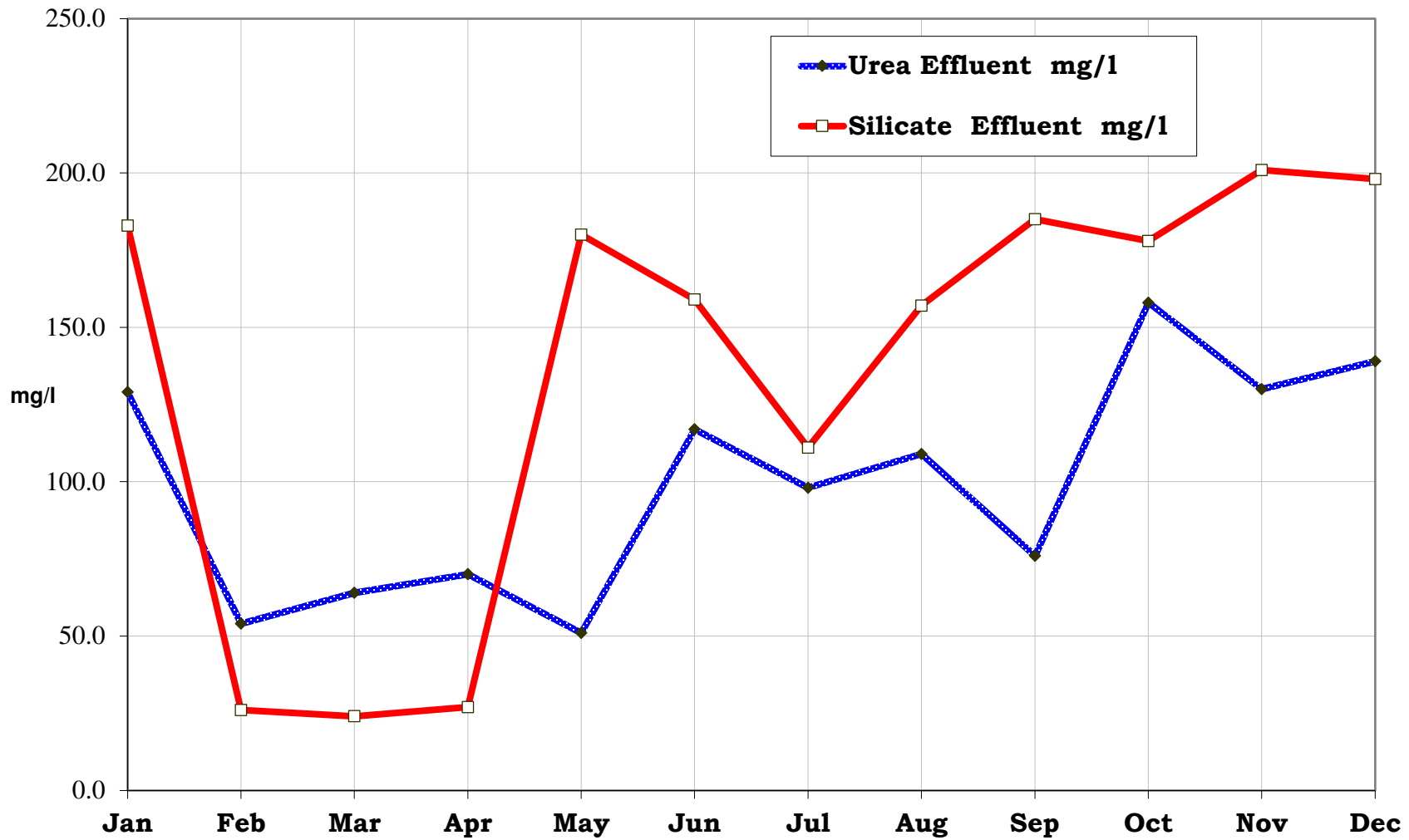
Annual Influent Flows 2020



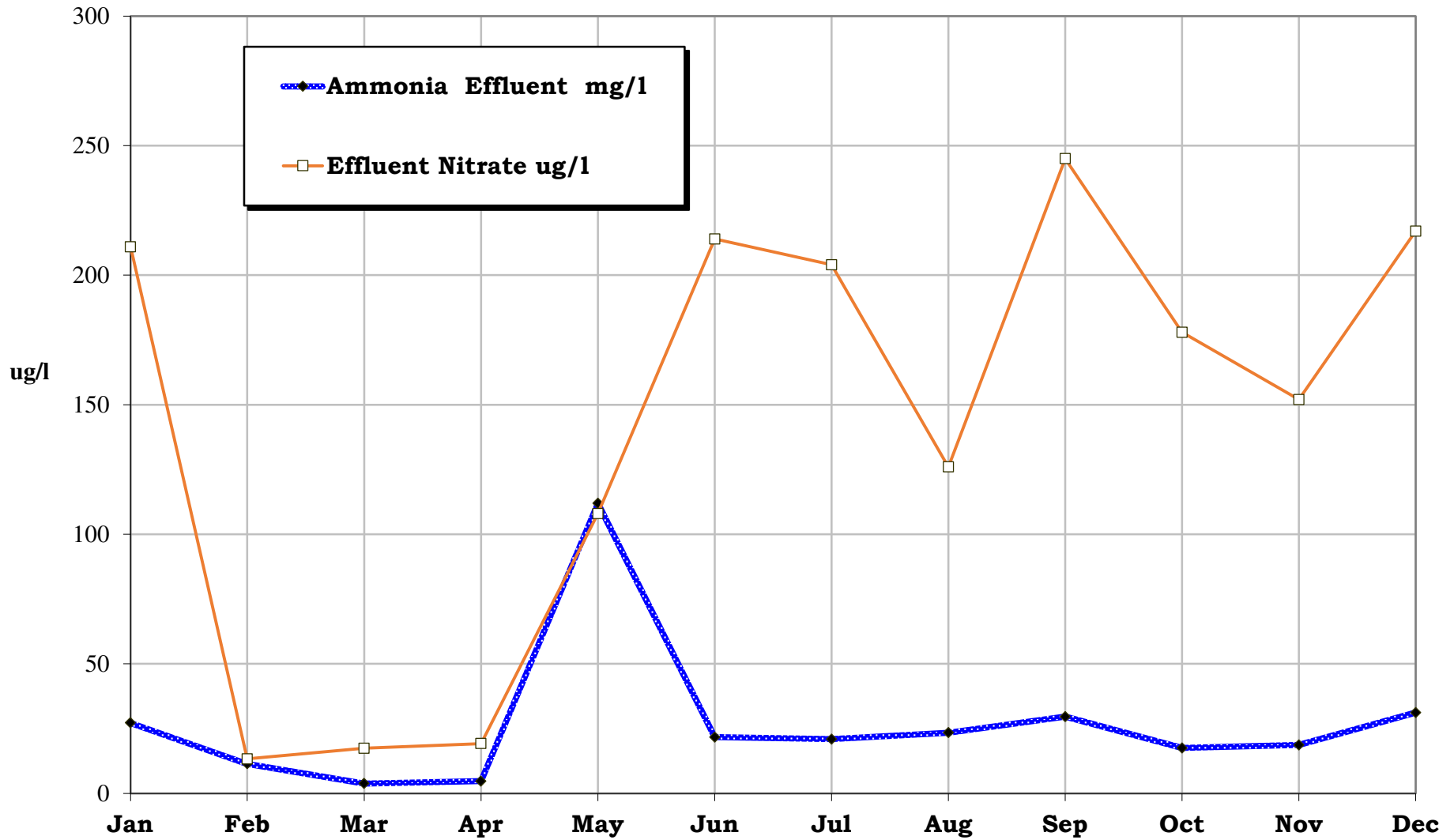
Influent / Effluent BOD 2020



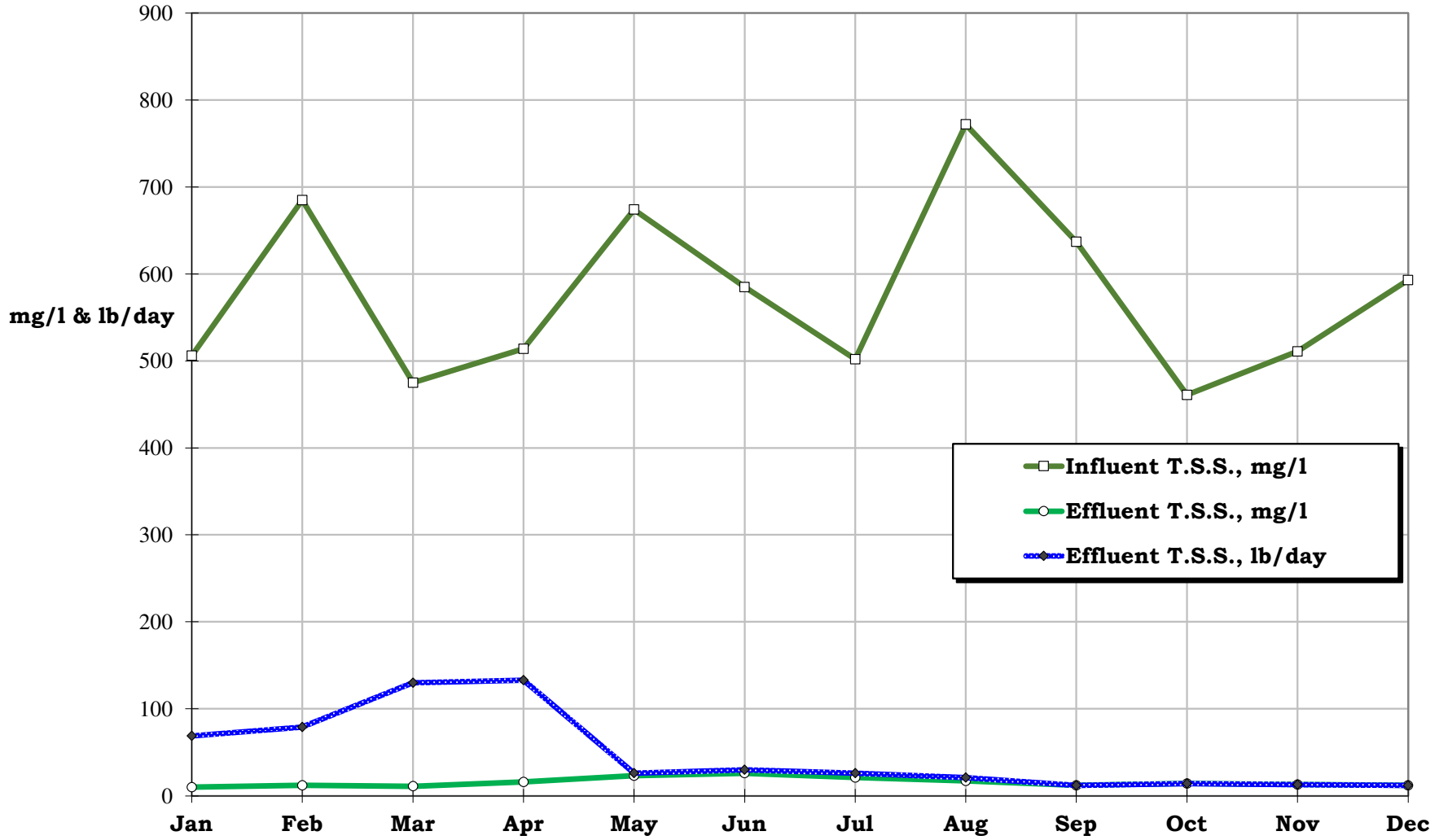
Effluent Urea / Silicate 2020



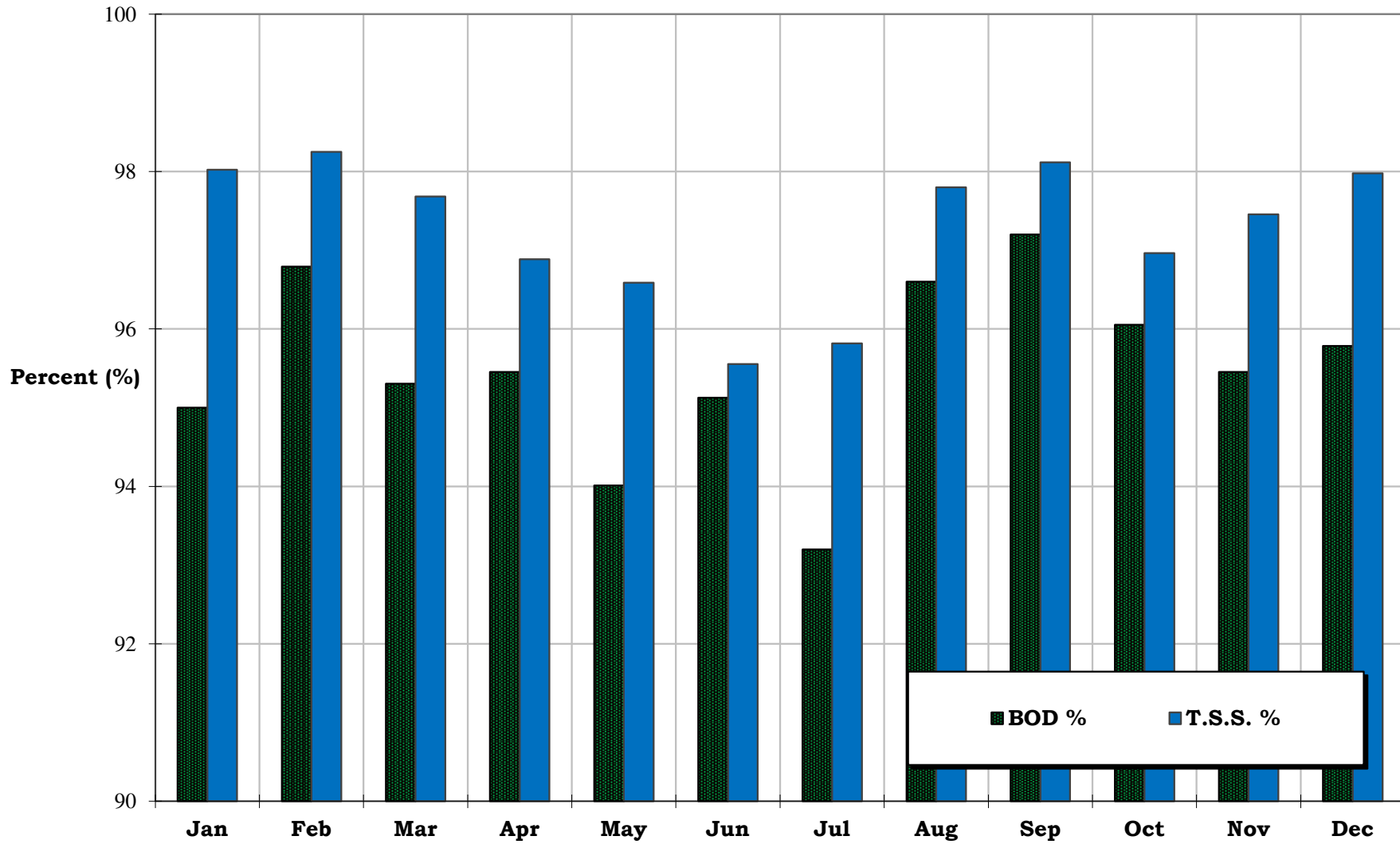
Effluent Ammonia / Nitrogen 2020



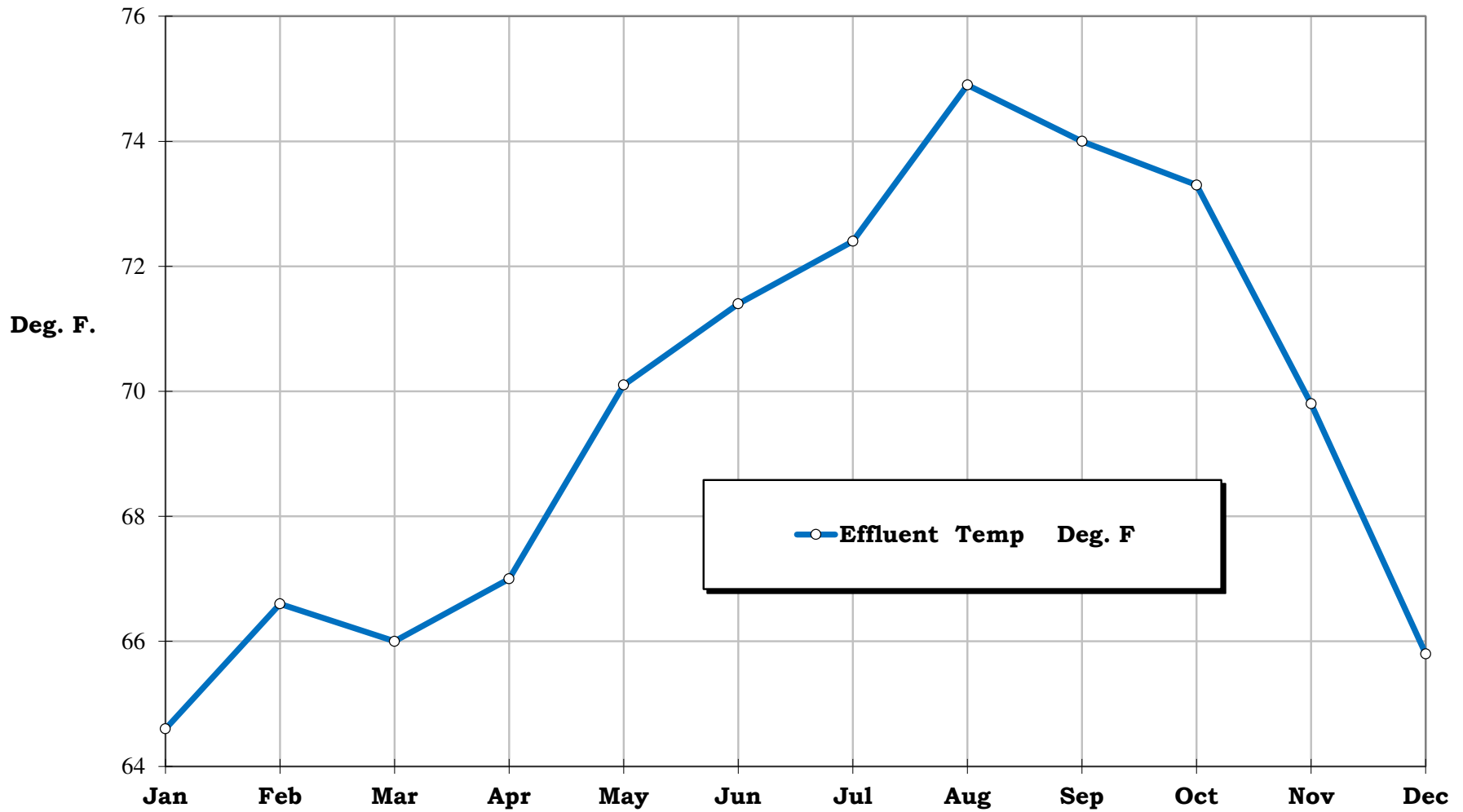
Influent / Effluent T.S.S. 2020



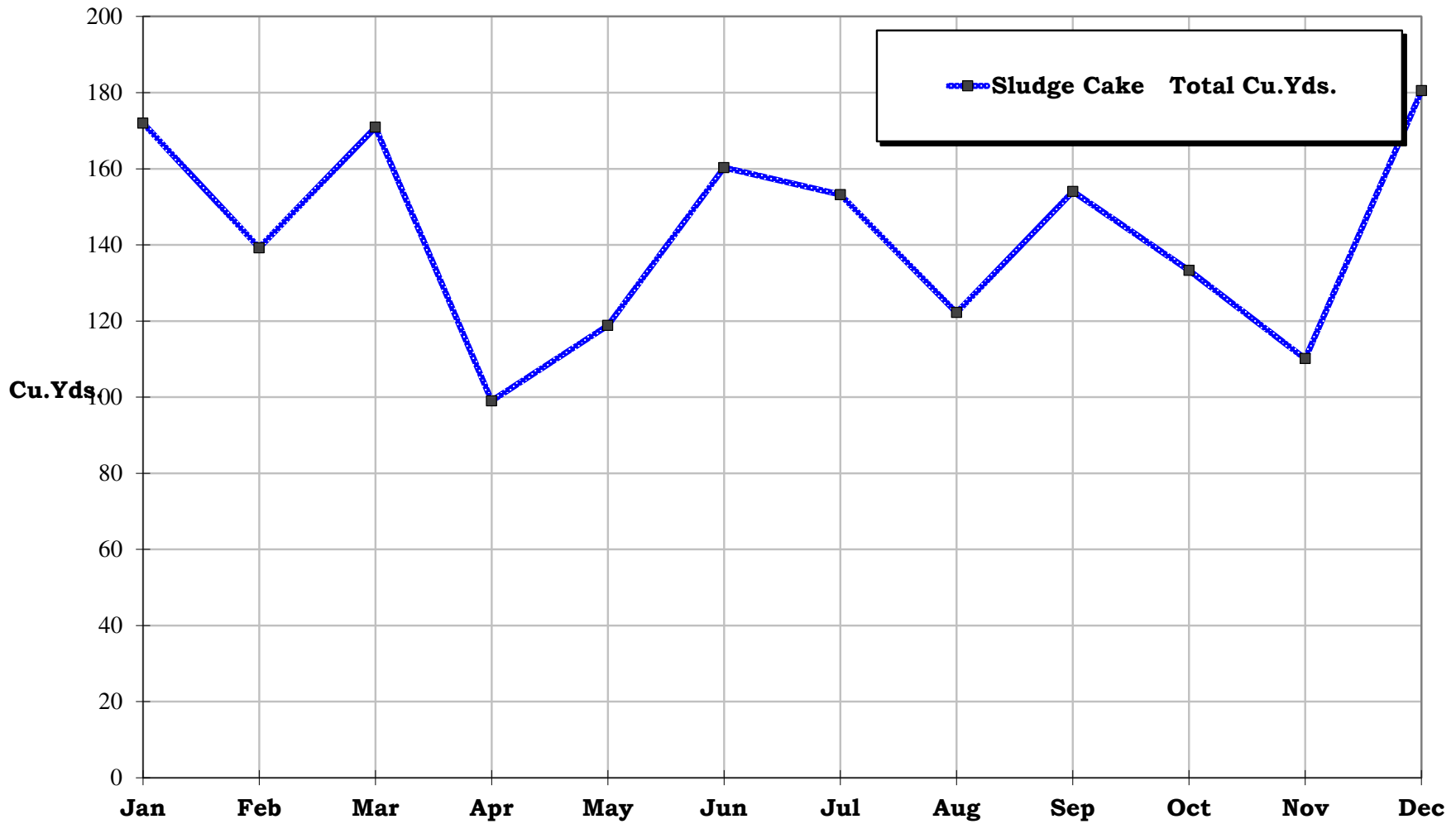
Effluent BOD & T.S.S Removal Efficiency 2020



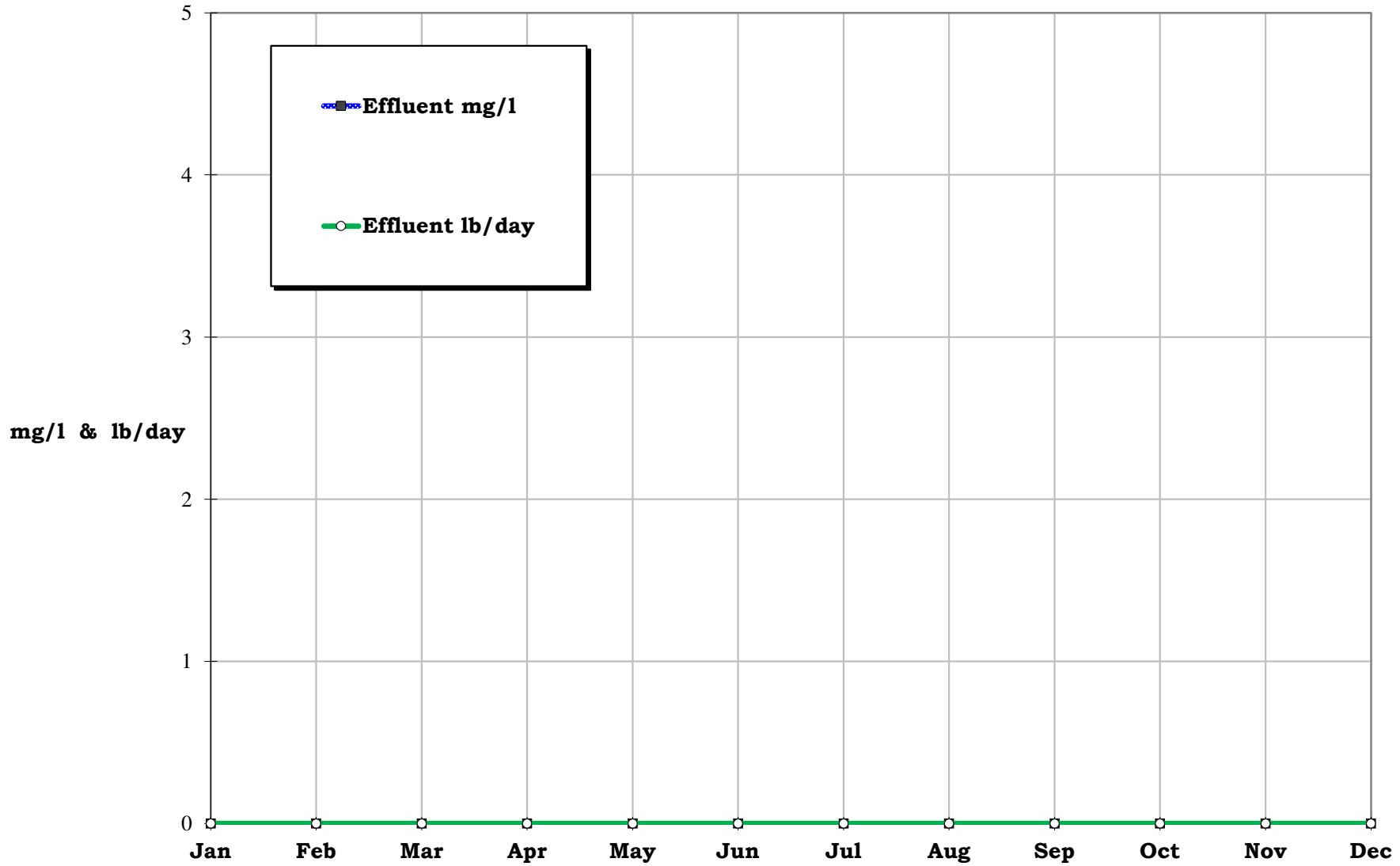
Effluent Temperature 2020



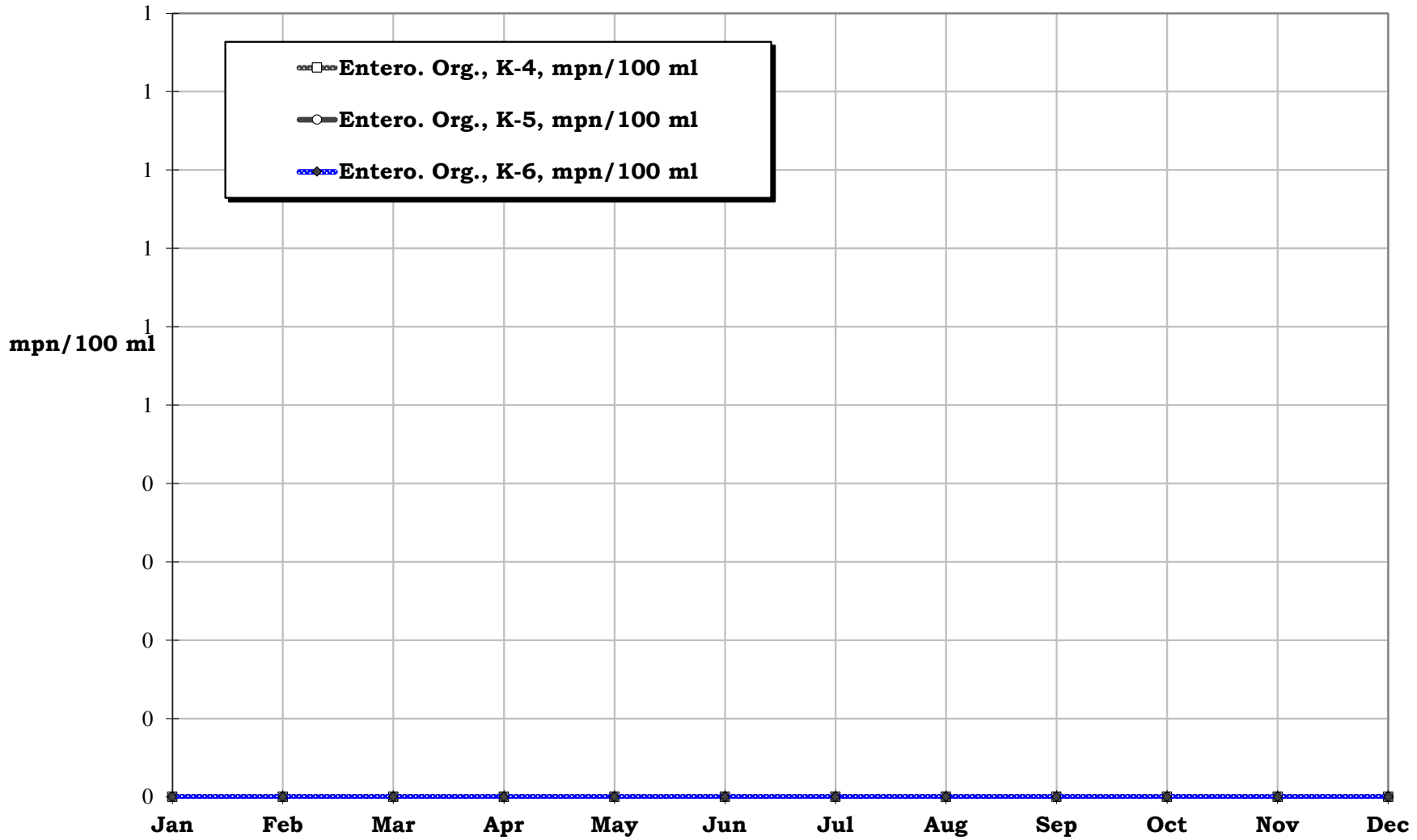
Sludge Hauling 2020



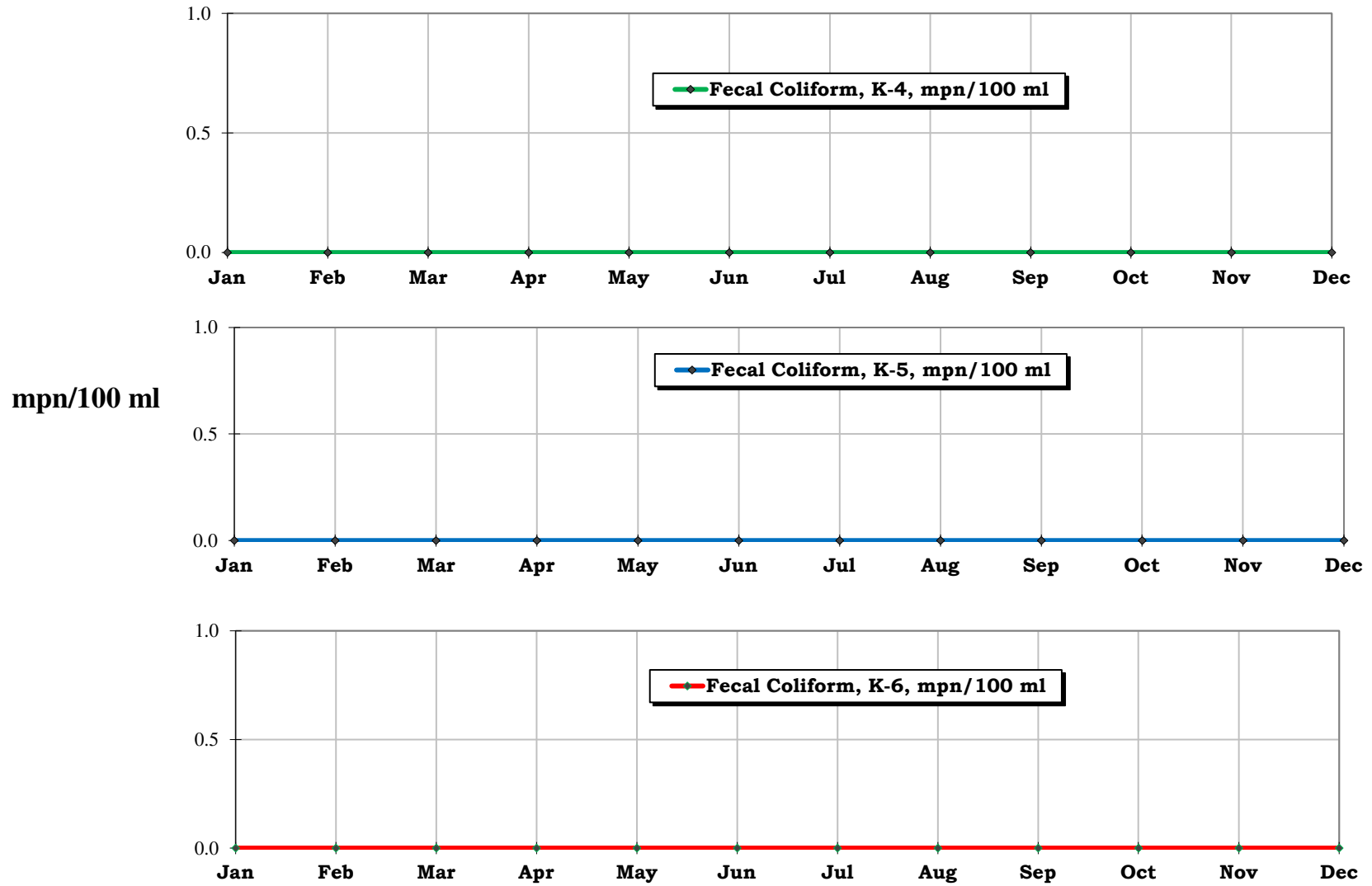
Effluent Oil & Grease 2020



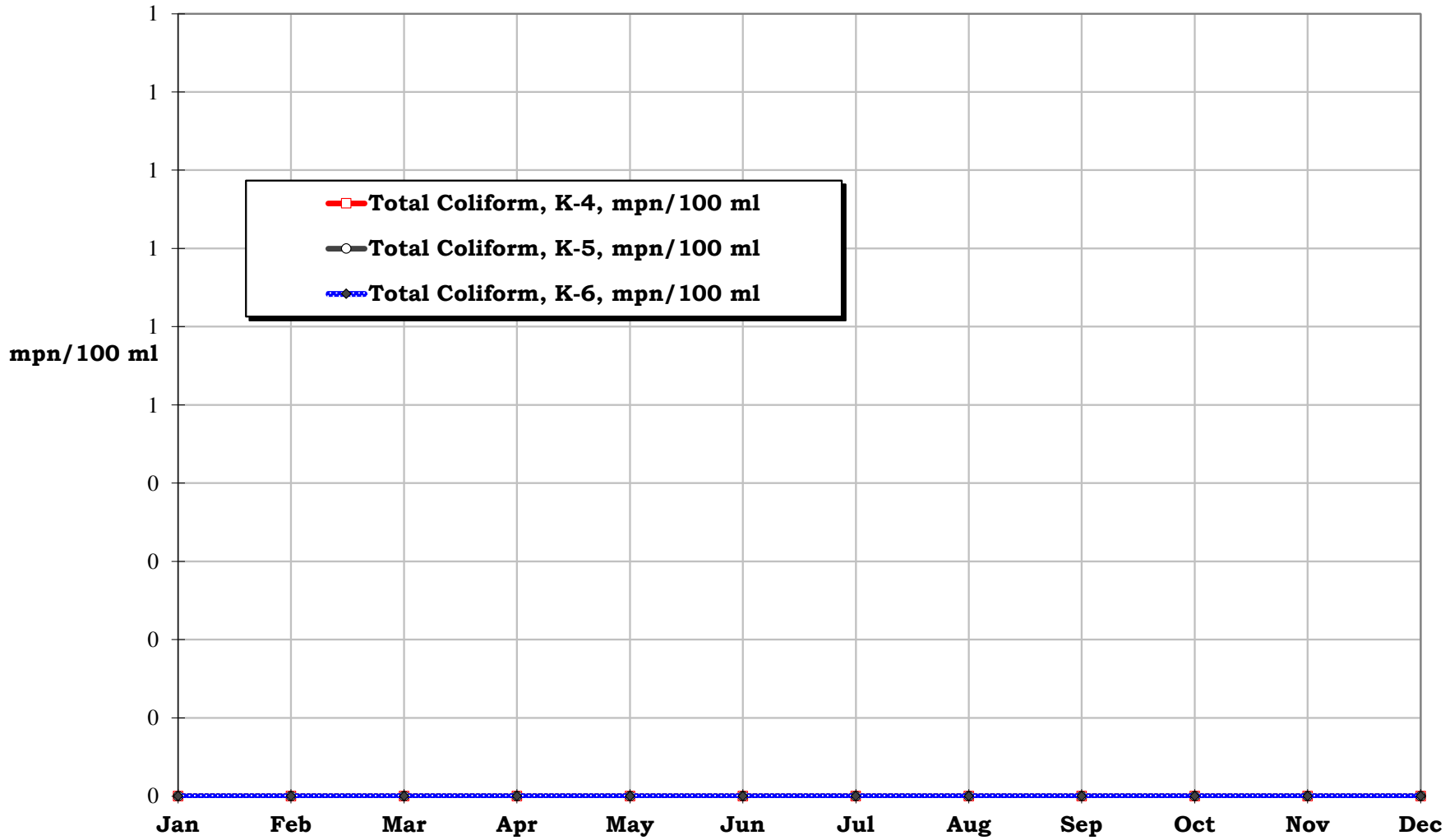
Receiving Water - Enterococcus Organisms Monthly Maximum 2020



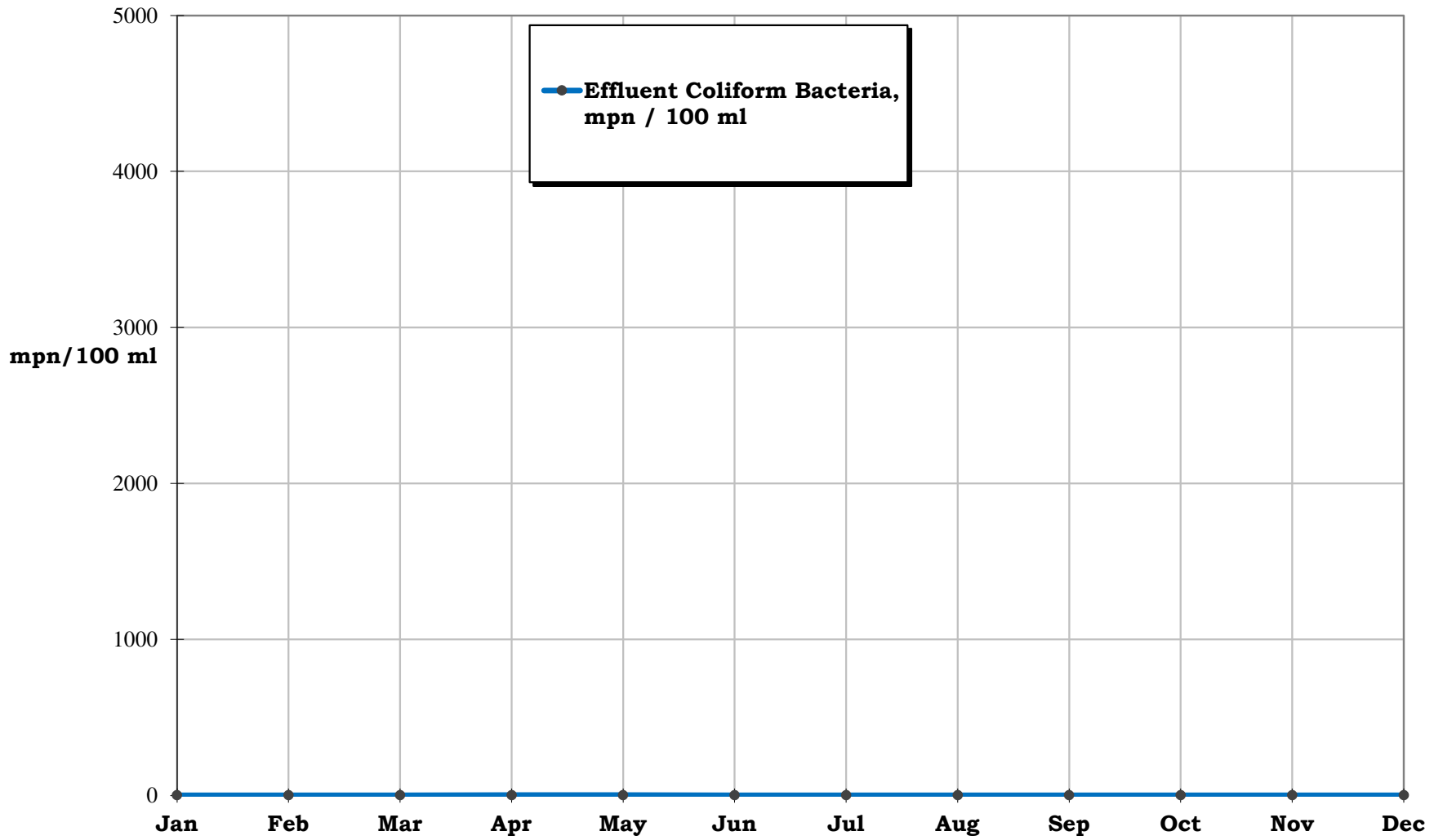
Receiving Water - Fecal Coliform Monthly Maximum 2020



Receiving Water - Total Coliform Monthly Maximum 2020



Effluent Coliform Monthly Average 2020



SECTION THREE

Discussion of compliance record and
corrective actions

January, 2020: DDT/DDD/DDE, Sum of P, P & O, P Isomers 30-Day Average

Dates of Violation(s): January 31st

Reported Value(s): January 31

Explanation of Cause(s):Our sampling results for the DDT isomer sum for the 4th quarter resulted in an exceedance of our 30-day average limit conditions.

Corrective Action(s): Currently is to resample the EFF-001 site for quarterly DDT and analyze with two different contract laboratories. Staff is now obtaining samples from different influent flow streams to the treatment facility to determine source area of DDT/DDD/DDE.

August, 2020:

Please note; That on August 20th and 21st, 2019 plant staff by-passed the influent flow meter pipeline to clean pipe of grit and debris buildup for 2 hours each of those days. Effluent flow meters continued to capture all flows exiting the treatment facilities.

September, 2020: NPDES No. CA0047996, E-4, Section A, Table E-3, Section E-5, A. Chronic Toxicity.

Dates of Violation(s): September 2020

Reported Value(s): 476 TUc at EFF-001

Explanation of Cause(s):Carmel Area Wastewater District staff reviewed operating logs and records, including Source Control records to see what could cause the high TUc. Staff could not find a data or operational abnormalities in the treatment facilities processes.

Corrective Action(s): Staff resampled EFF-001 on October 6th. The October 6th date was chosen for that was the first available time the Contract Laboratory could acquire the bio organisms for the Chronic Toxicity testing. The Chronic Toxicity results for October 6th, 2020 were 30.5TUc at EFF-001, well below the 120TUc instantaneous maximum limit.

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 II	III
Name	Maintenance Position	CWEA 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	CWEA 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
Operations and Maintenance Manual

STATUS

The Carmel Area Wastewater District's Operations and Maintenance Manual was written and submitted to the District in 1987 following a large expansion project which was completed in 1986.

Modifications to the existing secondary treatment facility in support of tertiary filtration required modifications and updates to the Operations and Maintenance Manual. These modifications were completed, and the manual was submitted to the District in 1996

Updates to the Operations and Maintenance Manual were completed in 2018 by Engineering Firm Kennedy Jenks for the facility capital improvement project which was completed also in 2018.

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)
853 Corporation Street
Santa Paula, CA 93060

CA ELAP # 1573

SECTION SEVEN

Summary of sludge quantities and
analyses

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: January 2020 - March 2020
 Sample Date: 11-Mar-20

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application	
		Pollutant Concentrations (40 CFR 503.13) (monthly avg.)	Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Ammonia Nitrogen	1600	41 mg/Kg	75 mg/Kg
Antimony	ND	39 mg/Kg	85 mg/Kg
Arsenic	22.6	1200 mg/Kg	3000 mg/Kg
Barium	31.9	1500 mg/Kg	4300 mg/kg
Beryllium	ND	300 mg/Kg	840 mg/kg
Boron	11.0	17 mg/Kg	57 mg/Kg
Cadmium	0.3	18 mg/Kg	75 mg/Kg
Chromium	2.8	420 Mg/Kg	420 mg/Kg
Cobalt	0.7	100 mg/Kg	100 mg/Kg
Copper	78.5	2800 mg/Kg	7500 mg/Kg
Cyanide	ND		
Grease/Oil	1.1		
Hex Chromium	2.8		
Lead	4.1		
Mercury	0.2		
Molybdenum	1.6		
Nickel	2.3		
Nitrate Nitrogen	6		
pH units	7.11		
Selenium	ND		
Silver	ND		
Thallium	ND		
Total Kjeldahl Nitrogen	4,480		
Total Phosphorus	3,730		
Total Solids	15.0%		
Vanadium	1.4		
Zinc	182.0		

Pathogen Reduction (40 CFR 503.32)

Class B - (PSRP) Anaerobic Digestion at 95 F for minimum of 15 days

Vector Attraction Reduction (40 CFR 503.33)

Option 1 - VS reduced by a minimum of 38%

Certification

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

Name & Title: Edward Waggoner - Operations Superintendent

Signature: _____

Telephone Number: (831) 624-1249

Date: _____

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: April 2020-June 2020

Sample Date: 21-Apr-20

EPA 503 pollution limits for land application

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	Pollutant Concentrations (40 CFR 503.13) (monthly avg.)	Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Ammonia Nitrogen	1550	41 mg/Kg	75 mg/Kg
Antimony	0.3	39 mg/Kg	85 mg/Kg
Arsenic	4.2	1200 mg/Kg	3000 mg/Kg
Barium	66.8	1500 mg/Kg	4300 mg/kg
Beryllium	0.5	300 mg/Kg	840 mg/kg
Boron	14.7	17 mg/Kg	57 mg/Kg
Cadmium	1.4	18 mg/Kg	75 mg/Kg
Chromium	7.1	420 Mg/Kg	420 mg/Kg
Cobalt	3.4	100 mg/Kg	100 mg/Kg
Copper	135.0	2800 mg/Kg	7500 mg/Kg
Cyanide	ND		
Grease/Oil	0.1		
Hex Chromium	7.1		
Lead	6.7		
Mercury	0.1		
Molybdenum	2.8		
Nickel	4.7		
Nitrate Nitrogen	0.6		
pH units	7.5		
Selenium	1.1		
Silver	0.2		
Thallium	ND		
Total Kjeldahl Nitrogen	4,270		
Total Phosphorus	4,650		
Total Solids	24.0%		
Vanadium	5.4		
Zinc	298.0		

Pathogen Reduction (40 CFR 503.32)

Class B - (PSRP) Anaerobic Digestion at 95 F for minimum of 15 days

Vector Attraction Reduction (40 CFR 503.33)

Option 1 - VS reduced by a minimum of 38%

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Name & Title: Edward Waggoner - Operations Superintendent

Signature: _____

Telephone Number: (831) 624-1249

Date: _____

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: Jul 2020 - September 2020

Sample Date: 6-Jul-20

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application	
		Pollutant Concentrations (40 CFR 503.13) (monthly avg.)	Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Ammonia Nitrogen	1120	41 mg/Kg	75 mg/Kg
Antimony	ND	39 mg/Kg	85 mg/Kg
Arsenic	11.7	1200 mg/Kg	3000 mg/Kg
Barium	61.6	1500 mg/Kg	4300 mg/kg
Beryllium	0.1	300 mg/Kg	840 mg/kg
Boron	11.6	17 mg/Kg	57 mg/Kg
Cadmium	0.5	18 mg/Kg	75 mg/Kg
Chromium	4.3	420 Mg/Kg	420 mg/Kg
Cobalt	0.5	100 mg/Kg	100 mg/Kg
Copper	136.0	2800 mg/Kg	7500 mg/Kg
Cyanide, Total	ND		
Grease/Oil	0.17		
Hex Chromium	ND		
Lead	3.9		
Mercury	0.1		
Molybdenum	2.1		
Nickel	3.6		
Nitrate Nitrogen	ND		
pH	7.31		
Selenium	ND		
Silver	ND		
Thallium	ND		
Total Kjeldahl Nitrogen	1,990		
Total Phosphorus	3,480		
% Solids	22.0%		
Vanadium	2.6		
Zinc	246.0		

Pathogen Reduction (40 CFR 503.32)

Class B - (PSRP) Anaerobic Digestion at 95 F for minimum of 15 days

Vector Attraction Reduction (40 CFR 503.33)

Option 1 - VS reduced by a minimum of 38%

Certification

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Name & Title: Edward Waggoner - Operations Superintendent

Signature: _____

Telephone Number: (831) 624-1249

Date: _____

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: October 2020 - December 2020
 Sample Date: 9-Oct-20

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application	
		Pollutant Concentrations (40 CFR 503.13) (monthly avg.)	Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Antimony	ND	41 mg/Kg	75 mg/Kg
Arsenic	44.0	39 mg/Kg	85 mg/Kg
Barium	65.7	1200 mg/Kg	3000 mg/Kg
Beryllium	ND	1500 mg/Kg	4300 mg/kg
Boron	10.2	300 mg/Kg	840 mg/kg
Cadmium	0.3	17 mg/Kg	57 mg/Kg
Chromium	3.2	18 mg/Kg	75 mg/Kg
Cobalt	0.8	420 Mg/Kg	420 mg/Kg
Copper	148.0	100 mg/Kg	100 mg/Kg
Lead	5.8	2800 mg/Kg	7500 mg/Kg
Molybdenum	1.0		
Nickel	5.9		
Phosphorus	7,380		
Selenium	ND		
Silver	0.4		
Thallium	ND		
Vanadium	1.8		
Zinc	311.0		
Ammonia Nitrogen	1020		
Cyanide, Total	0.59		
Nitrate Nitrogen	0.5		
Nitrogen, Total Kjeldahl	2,870		
pH	7.13		
% Solids	23.4%		
Mercury	0.0		
Grease/Oil	0.11		
Hex Chromium	0.3		

Pathogen Reduction (40 CFR 503.32)

Class B - (PSRP) Anaerobic Digestion at 95 F for minimum of 15 days

Vector Attraction Reduction (40 CFR 503.33)

Option 1 - VS reduced by a minimum of 38%

Certification

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

Name & Title: Edward Waggoner - Operations Superintendent

Signature: _____

Telephone Number: (831) 624-1249

Date: _____

Carmel Area Wastewater District

2020 process data for pathogen reduction and vector attraction reduction

Month	Detention Time (days)	Temperature (F)	Volatile Solids Reduction (%)
Jan	25	98.8	73
Feb	29	98.8	67
Mar	29	98.4	44
Apr	46	103.1	54
May	38	101.9	58
Jun	31	99.5	61
Jul	29	100.6	57
Aug	30	101.4	59
Sept	29	98.1	58
Oct	36	99.7	64
Nov	36	98.5	56
Dec	35	101.2	63

All data reported as monthly averages

Pathogen Reduction using anaerobic digestion

Certification

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

Name and Title: Edward Waggoner - Operations Superintendent

Signature: _____

Phone Number: (831) 624-1249

Date: _____

SECTION EIGHT

Evaluation of the effectiveness of the
local source control or pretreatment
program

Evaluation of the effectiveness of the local source control or pretreatment program using the State Water Resources Control Board's "Guidelines for Determining the Effectiveness of Local Pretreatment Program."

<u>1</u>	Influent Characteristics	Date	Result	Units
	Arsenic	9/9/2020	1.22	ug/L
	Cadmium	9/9/2020	0.229	ug\L
	Total Chromium	9/9/2020	4.45	ug\L
	Lead	9/9/2020	2.54	ug\L
	Copper	9/9/2020	98.5	ug\L
	Mercury	9/9/2020	0.114	ug\L
	Nickel	9/9/2020	7.02	ug\L
	Silver	9/9/2020	0.879	ug\L
	Zinc	9/9/2020	417	ug\L
	Cyanide	9/9/2020	ND	ug\L

Phenolic compounds
 Total Chlorinated Hydrocarbon
 Ammonia-N
 Radioactivity
 Toxicity

2 Number of Inspections Performed:
 Pretreatment Inspections annual-(65)

Number of Enforcement Actions:
 Notice of Violations of the Pretreatment Ordinance – (9)

3 Number of Major Industry Contributors- None (0)

4 All New dischargers- (2)

5 All New Dischargers constitute a Major Industry- None (0)

6 Man power and funds to run Source Control Program
 Environmental Compliance Supervisor (1)
 Environmental Compliance Inspectors (2)
 Funds for Source Control Program are from User Fees (Connection Permit, Construction Fees, and Source Control Application/ Permit, and Source Control Fines).
 -\$450