

Amador Regional Sanitation Authority

“Servicing Amador City, Martell, & Sutter Creek”

A G E N D A

NOVEMBER 17, 2021

10:00 A.M. SPECIAL Meeting

33 Church Street, Sutter Creek CA 95685

The Agenda can be found on the City of Sutter Creek’s Website: www.cityofsuttercreek.org

**WHILE THIS MEETING WILL BE CONDUCTED IN-PERSON AT 33 CHURCH STREET,
WE STRONGLY ENCOURAGE THE PUBLIC TO PARTICIPATE FROM HOME:**

Join Zoom Meeting

<https://us02web.zoom.us/j/3278978807>

or

Dial by phone:

301-715-8592

Meeting ID: 327 897 8807

**Public comment will be accepted by email at info@cityofsuttercreek.org. All emails must be received
prior to the start of the meeting.**

1. CALL TO ORDER AND ESTABLISH A QUORUM – 10:00 AM

2. PLEDGE OF ALLEGIANCE TO THE FLAG

3. PUBLIC FORUM

Discussion items only, no action to be taken. Any person may address the Board at this time upon any subject within the jurisdiction of the Amador Regional Sanitation Authority; however, any matter that requires action may be referred to staff and/or Committee for a report and recommendation for possible action at a subsequent Board meeting. Please note – there is a five (5) minute limit per topic.

4. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION

Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One potential case

5. REPORT FROM CLOSED SESSION

6. CONSENT AGENDA

Items listed on the consent agenda are considered routine and may be enacted in one motion. Any item may be removed for discussion at the request of the Board or the Public.

*** A. Minutes of June 30, 2021**

Recommendation: Approve Minutes of June 30, 2021

*** B. Approval of Warrants**

Recommendation: Approve warrants.

*** C. Cash Balance Report**

Recommendation: For information only.

* D. System Status Report
Recommendation: For information only.

7. ADMINISTRATIVE MATTERS

A. Revised Mitigation and Monitoring Program Requirements
Recommendation: For information only.

8. GENERAL MANAGER'S REPORT

9. BOARD MEMBER REPORTS

10. ADJOURNMENT

* *Attachments*

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

MINUTES SPECIAL MEETING OF THE BOARD OF DIRECTORS June 30, 2021

Present:

Robin Peters, Chairman
Richard Forster, Vice Chairman
Susan Bragstad, Board Member
Jim Swift, Board Member

Absent:

Frank Axe, Board Member

Staff Present:

Amy Gedney, General Manager
Karen Darrow, City Clerk
Corey Stone, ARSA Operator
Gary Ghio, Consultant

1. CALL TO ORDER AND ESTABLISH A QUORUM

Meeting called to order by Chairman Peters at 10:00 A.M.

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Chairman Peters led the Pledge of Allegiance.

3. PUBLIC FORUM- None.

4. CONSENT AGENDA

A. Minutes of May 27, 2021

Recommendation: Approve Minutes of May 27, 2021

B. Approval of Warrants

Recommendation: Approve warrants.

C. Cash Balance Report

Recommendation: For information only.

D. System Status Report

Recommendation: For information only

M/S Forster/Swift to Approve the Consent Agenda, as presented.

AYES: Bragstad, Swift, Forster and Peters

NOES: None

ABSTAIN: None

ABSENT: Axe

MOTION CARRIED

5. ADMINISTRATIVE MATTERS

A. Henderson underdrain repair

Recommendation: For staff direction.

Gary Ghio provided an overview and that he anticipates about a two-and-a-half-month project if it stays dry. He noted the need for a short-, medium- and long-term plan.

General Manager Gedney noted that there is cash on hand for this project.

M/S Swift/Bragstad to Authorize completion of plans/specifications and CEQA document to obtain DSOD approval to proceed and allocation of funds for construction, weather permitting, with direction to staff to move as quickly as possible with intent to complete in 2021.

AYES: Bragstad, Swift, Forster and Peters

NOES: None

ABSTAIN: None

ABSENT: Axe

MOTION CARRIED

A. 2021-2022 Operating Budget

Recommendation: Adopt Resolution 20-21- Adopting the annual operating budget.*

General Manager Gedney presented the proposed Draft Budget.

M/S /Forster/Swift to Adopt Resolution 20-21-02 Adopting the annual operating budget.

AYES: Bragstad, Swift, Forster and Peters

NOES: None

ABSTAIN: None

ABSENT: Axe

MOTION CARRIED

6. GENERAL MANAGER'S REPORT

ARSA Operator Corey Stone reported that there is 50-acre feet in the system. Henderson has receiving 33-acre feet and Preston has been receiving 18-acre feet. He also noted that there is not enough flow to irrigate Hoskins and the he is trying to limit the flow to Preston. There is currently no water leaving Preston.

General Manager Gedney reported that Sutter Creek is getting ready to do smoke testing and that to date Ione has taken 180-acre feet.

Board member Forster noted that there has been lots of talk that ARSA should be diverting water from Sutter Creek.

ARSA Operator Stone noted that it is unrealistic to anticipate rainfall. He also reported that CDCR resumed water delivery to Ione and the golf course.

Chairman Peters commented that it seems everyone is receiving water and asked if there was any help available for Hoskins.

Board member Forster suggested that it would be useful to create a policy/position on ARSA diverting water from Sutter Creek.

General Manager Gedney noted that would be a part of the discussion regarding the future of ARSA.

7. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION

Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One potential case

Direction was given to staff.

8. BOARD MEMBER REPORTS- None.

ADJOURNMENT

The meeting was adjourned at 11:25 a.m.

Karen Darrow, Secretary

Robin Peters, Chairman

Date Approved:

Warrant List

November 2021

Type	Num	Date	Name/Account	Paid Amount
Bill Pmt -Check	1623	11/17/2021	Best Best & Krieger, LLP	
Bill	917858	10/22/2021	Legal	168.48
TOTAL				168.48
Bill Pmt -Check	1624	11/17/2021	City of Sutter Creek	
Bill	2021-11	11/08/2021	Contract with COSC	14,478.33
			Overtime	722.75
TOTAL				15,201.08
Bill Pmt -Check	1625	11/17/2021	Hunt & Sons, Inc.	
Bill	207321	10/31/2021	Fuel	293.49
TOTAL				293.49
Bill Pmt -Check	1626	11/17/2021	Ione ACE Hardware	
Bill	Oct Statement	10/25/2021	Repairs & Maintenance	19.04
TOTAL				19.04

Amador Regional Sanitation Authority (ARSA)

Budget vs. Actual

July through October 2021

	Budget	Jul - Oct 21	% of Budget	Projected YE
Income				
Interest Income	150.00	74.33	49.6%	150.00
Reimbursed Expenses	19,000.00	0.00	0.0%	19,000.00
Use Fee Revenue				0.00
Amador City	18,385.00	4,596.25	25.0%	18,385.00
Amador Water Agency	86,552.00	21,638.00	25.0%	86,552.00
City of Sutter Creek	387,956.00	96,989.00	25.0%	387,956.00
Total Income	512,043.00	123,297.58	24.1%	512,043.00
Expense				
Employee Services				
Contract with COSC	173,740.00	43,434.99	25.0%	173,740.00
Overtime	15,000.00	1,099.08	7.3%	15,000.00
Operations				
Audit & Accounting	6,000.00	0.00	0.0%	6,000.00
Contingency	42,192.00	0.00	0.0%	42,192.00
Engineering				
Inundation mapping	10,000.00	0.00	0.0%	10,000.00
Engineering - Other	35,000.00	5,292.75	15.1%	35,000.00
Flood Control	2,000.00	0.00	0.0%	2,000.00
Fuel	19,000.00	2,061.83	10.9%	19,000.00
General Supplies	500.00	0.00	0.0%	500.00
Legal	15,000.00	673.92	4.5%	15,000.00
Membership Dues	1,700.00	1,606.46	94.5%	1,700.00
O&M Building/Structures	1,500.00	0.00	0.0%	1,500.00
Repairs & Maintenance	20,000.00	241.18	1.2%	20,000.00
Risk Management - Liability	19,761.00	18,550.49	93.9%	19,761.00
Taxes/Fees/Licenses	55,000.00	207.31	0.4%	55,000.00
Tertiary Treatment Fees	70,000.00	0.00	0.0%	70,000.00
Vehicle Maintenance	5,000.00	2,675.77	53.5%	5,000.00
Weed Control	1,500.00	0.00	0.0%	1,500.00
Total Expense	492,893.00	75,843.78	15.4%	492,893.00
Net Income	19,150.00	47,453.8		19,150.00

ARSA SYSTEM FLOWS
2014 - Present

Date	Sutter Creek WWTP Flow (mg)	Bowers Irrigation (mg)	Henderson Freeboard	Henderson Volume in the System (af)	Henderson Outflow (mg)	Hoskins Irrigation (mg)	Mule Creek Inflow (mg)	Preston Freeboard	Preston Volume in the System (af)	Outflow to Ione (af)
Date	Sutter Creek WWTP Flow (mg)	Bowers Irrigation (mg)	Henderson Freeboard		Henderson Outflow (mg)	Hoskins Irrigation (mg)	Mule Creek Inflow (mg)	Preston Freeboard		Outflow to Ione (650acft)
2014										
1/31/2014	6.8	0.0	15'8"		7.1	0.0	3.4	17'1"		0.0
2/28/2014	12.3	0.0	11'5"		5.5	0.0	12.1	11'9"		0.0
3/31/2014	13.9	0.0	8'		7.3	0.0	0.0	13'2"		0.0
4/30/2014	11.0	0.0	6'2"		13.6	0.0	0.0	8'7"		5.2
5/31/2014	8.8	0.0	5'9"		12.2	0.0	0.0	12'3"		21.9
6/30/2014	8.2	8.2	7'1"		9.7	4.5	45.2	9'1"		28.4
7/31/2014	8.0	7.8	9'9"		13.0	4.7	31.4	10'3"		37.4
8/31/2014	8.4	5.8	11'6"		15.1	4.6	11.1	16'6"		38.9
9/30/2014	8.2	5.2	14'4"		16.4	4.6	10.1	19'3"		27.7
10/31/2014	8.1	3.7	17'7"		15.7	3.2	5.8	18'5"		14.1
11/30/2014	8.2	3.2	19'		16.2	0.8	0.0	13'3"		0.1
12/31/2014	16.0	0.0	13'1"		7.1	0.0	0.0	10'9"		0.0
Total Flow	117.9	33.9			138.9	22.4	119.1			173.7
Annual ac ft	361.8	104.0			426.3	68.7	365.5			533.1
2015										
1/31/2015	9.7	0.0	10'		4.2	0.0	0.0	10'5"		0.0
2/28/2015	13.3	0.0	7'1"		6.6	0.0	0.0	8'8"		0.0
3/31/2015	9.7	0.0	6'5"		12.3	1.7	0.1	6'8"		0.0
4/30/2015	8.5	0.0	5'9"		19.2	5.6	0.0	5'8"		8.8
5/31/2015	8.2	0.0	5'7"		12.7	7.3	0.0	9'3"		22.6
6/30/2015	7.2	5.7	8'7"		20.7	10.1	15.8	8'9"		28.3
7/31/2015	7.2	6.6	12'3"		22.7	10.0	24.8	8'1"		32.6
8/31/2015	7.5	7.5	15'9"		16.9	10.3	23.3	7'2"		32.6
9/30/2015	7.6	5.8	19'6"		14.6	6.5	15.6	8'9"		31.4
10/31/2015	7.8	4.5	24'1"		19.7	5.8	0.0	10'9"		23.0
11/30/2015	8.4	0.0	21'1"		3.9	0.0	0.0	14'6"		10.9
12/31/2015	13.4	0.0	17'2"		9.8	0.0	0.0	14'		6.6
Total Flow	108.4	30.1			163.4	57.3	79.6			196.6
Annual ac ft	332.7	92.3			501.4	175.8	244.2			603.5
2016										
1/31/2016	19.0	0.0	12'1"		12.4	0.0	0.0	11'4"		3.9
2/29/2016	10.7	0.0	10'9"		17.8	0.0	0.0	8'7"		4.0
3/31/2016	17.7	0.0	8'7"		15.1	0.0	0.0	5'7"		3.4
4/30/2016	10.7	0.0	8'5"		13.7	0.0	0.0	5'7"		9.1
5/31/2016	9.3	0.0	9'9"		23.0	0.0	0.0	7'7"		27.3
6/30/2016	8.3	2.9	14'4"		32.2	2.2	0.0	9'8"		36.0
7/31/2016	9.0	9.0	20'1"		25.4	5.3	35.9	7'6"		40.9
8/31/2016	9.2	9.2	22'3"		8.7	3.2	32.9	8'3"		44.1
9/30/2016	8.3	6.3	25'8"		10.8	2.2	10.3	13'2"		37.5
10/31/2016	11.0	2.5	23'2"		5.9	0.0	4.0	14'4"		6.4
11/30/2016	11.2	0.0	20'8"		5.3	0	0.0	14'2"		0.0
12/31/2016	16.5	0.0	16'8"		10.4	0.0	0.0	11'6"		0.0
Total Flow	140.8	29.8			180.8	12.9	83.2			212.6
Annual ac ft	432.1	91.5			554.9	39.6	255.2			652.5

ARSA SYSTEM FLOWS
2014 - Present

Date	Sutter Creek WWTP Flow (mg)	Bowers Irrigation (mg)	Henderson Freeboard	Henderson Volume in the System (af)	Henderson Outflow (mg)	Hoskins Irrigation (mg)	Mule Creek Inflow (mg)	Preston Freeboard	Preston Volume in the System (af)	Outflow to Ione (af)
2017										
1/31/2017	30.9	0.0	9'3"		10.7	0.0	0.0	6'8"		0.0
2/28/2017	26.5	0.0	4'1"		10.2	0.0	0.0	4'4"		0.0
3/31/2017	15.5	0.0	1'5"		14.1	0.0	0.0	1'5"		1.5
4/30/2017	16.1	0.0	1'6"		34.9	0.0	0.0	1'8"		5.9
5/31/2017	9.6	0.0	3'7"	344.6	38.0	2.7	0.0	1'2"	233.0	27.4
6/30/2017	8.9	8.0	6'7"		36.0	8.8	0.0	3'2"		36.2
7/31/2017	8.6	8.7	1'1"		35.0	10.7	0.0	6'11"		41.8
8/31/2017	8.8	8.7	13'9"		20.6	8.6	0.0	7'6"		12.1
9/30/2017	8.7	8.7	16'2"		18.3	11.9	0.0	6'10"		0.0
10/31/2017	8.0	8.1	17'4"	75.9	13.8	9.4	0.0	9'7"	116.5	17.2
11/30/2017	11.5	0.9	14'10"	109	9.7	7.4	0.0	11'1"	96	27.2
12/31/2017	9.5	0.0	12'9"	142.4		6.3	0.0	10'6"	103.5	0.0
Total Flow	162.6	43.1			241.3	65.8	0.0			169.3
Annual ac ft	499.0	132.2			740.6	202.1	0.0			519.6
<i>Average ac feet per Year</i>	<i>313.51</i>	<i>76.46</i>			<i>385.57</i>	<i>74.90</i>	<i>216.80</i>			<i>485.36</i>
2018										
1/31/2018	13.6	0	9'7"	206.1	8.4	0	0	8'8"	128.4	0
2/28/2018	8.7	0	7'10"	240.4	5.1	0	0	8'3"	133.9	0
3/31/2018	22.1	0	4'1"	332.9	8.00	0	0	5'11"	164.1	0
4/30/2018	14.1	0	3'9"	342.6	23.8	6.0	0	3'3"	200.9	1.15
5/31/2018	9.3	0	3'10"	340.6	16.9	9.9	0	8'2"	133.9	27.71
6/30/2018	8.4	5.3	5'8"	295.1	21.2	9.6	0	15'1"	59.6	37.73
7/31/2018	9.3	9.2	10'0"	193.7	35.4	9.5	0	22'0"	17	42.85
8/31/2018	9.7	9.7	11'7"	163.6	12	5.8	0	20'9"	22	0
9/30/2018	9	9	13'11"	123.9	16	10.7	0	19'3"	36.2	0
10/31/2018	8.9	8.9	15'2"	106	16.2	10.0	0	11'	45.6	0
11/30/2018	10.5	5.8	15'1"	107.2	14.9	5.6	0	14'10"	60.9	0
12/31/2018	11.7	0	13'6"	131.2	15.2	0	0	11'2"	94.9	0
Total Flow	135.3	47.9	0		193.1	67.1	0	0		109.44
Annual ac ft	415.2	147.0	0.0		592.6	205.9	0.0	0.0		335.9
2019										
1/31/2019	17.4	0	10'5"	185.4	36.7	0	0	8'3"	133.9	0
2/28/2019	23.3	0	6'6"	271.9	4.8	0	0	6'6"	155.5	0
3/31/2019	20.2	0	3'6"	350.4	7.6	0	0	4'8"	179.3	0
4/30/2019	11.9	0	2'9"	271.4	15.8	4.2	0	3'2"	198.8	2
5/31/2019	12.7	0	3'6"	350.4	24.0	5.8	0	4'8"	179.3	20.9
6/30/2019	10	5.2	5'10"	288.5	26.5	12.3	0	7'3"	146.8	29
7/31/2019	7.6	9.9	8'11"	217.9	22.9	13.8	0	14'7"	62.2	40.6
8/31/2019	10	10	10'7"	184.2	13.4	11.8	0	17'2"	40.3	6.2
9/30/2019	9.6	9.4	12'6"	148.3	13.7	10.4	0	17'1"	40.9	0
10/31/2019	9	9	14'3"	119.6		12.2	0	16'5"	52.6	0
11/30/2019	7.2	5.1	14'1"	121.6	9.3	5.7	0	14'11"	58.5	0
12/31/2019	12.6	0	12'3"	152.2	0	0	0	13'2"	75.1	0
Total Flow (mg)	151.5	48.6	0		174.7	76.2	0	0		98.7
Annual ac ft	464.9	149.1	0.0		536.1	233.8	0.0	0.0		302.9
2020										
1/31/2020	10.3	0	11'2"	172.9	8.5	0	0	12'2"	85.5	0
2/29/2020	8	0	10'7"	184.2	3.5	0	0	11'7"	91.9	0
3/31/2020	12.85	0	8'11"	214.9	7.4	0	0	10'1"	108.4	0
4/30/2020	12.61	0	7'8"	246.1	6.3	0	0	10'8"	102.4	8.84
5/31/2020	8.2	1.4	8'6"	227.5	4.2	7.5	0	13'11"	67.8	23.9
6/30/2020	8.3	8.3	11'6"	166.5	6.3	5.7	0	19'6"	25.1	28.9
7/31/2020	8.3	8.3	14'11"	108.5	19.2	3.9	0	15'10"	50.7	0
8/31/2020	8.3	8.3	17'11"	67.6	13.3	2.3	0	14'0"	67	0
9/30/2020	8.2	8.2	19'2"	53.3	8.4	2.3	14	13'0"	76.7	13.9
10/31/2020	8.8	8.8	21'2"	33.7	11.9	2.4	0	17'9"	63.2	23.4
11/30/2020	9.1	3.5	22'	26.8	7.62	2.3	0	18'8"	30.1	30.7
12/31/2020	9.9	0	21'0"	35.9	8.8	0	0	16'8"	44.1	0
Total Flow (mg)	112.86	46.8	0		105.42	26.4	14	0		129.64
Annual ac ft	346.4	143.6	0.0		323.5	81.0	43.0	0.0		397.9
2021										
1/31/2021	12.6	0	17'6"	72.7	3.9	0	0	15'3"	55.6	0
2/29/2021	10.9	0	16'1"	106	2.6	0	0	14'9"	60	0
3/31/2021	11.9	0	13'1"	138.2	3.5	0	0	14'7"	61.5	0
4/30/2021	10.2	0	14'7"	113.7		0	0	16'11"	42.2	20.7
5/31/2021	10.7	6.6	19'10"	49	27.2	0	0	21'4"	12.5	36.2
6/30/2021	10.4	7.4	21'5"	31.4	8.7	0	0	20'10"	9.17	1.9
7/31/2021	10.2	7.1	22'1"	26.8	3.9	0.154	0	21'0"	9	0
8/31/2021	10.1	6.9	22'6"	27	5.6	2	0	21'6"	8.5	0
9/30/2021	9.7	5.2	23'8"	15.2	6.9	1.7	0	21'0"	9	0
10/31/2021	13.8	3.6	20'5"	40.6	5	0	0	10'0"	20	0
11/30/2021										
12/31/2021										
Total Flow (mg)	110.5	36.8	0		67.3	3.854	0	0		58.8
Annual ac ft	339.1	112.9	0.0		206.5	11.8	0.0	0.0		180.5

ARSA RESERVOIRS and IRRIGATION									
Oct-21	Sutter Creek Effluent Flow (gals) ¹	Bowers Irrigation (gals)	Henderson Reservoir Freeboard (ft)	Henderson Reservoir Volume (ac ft)	Hoskins Irrigation (gals)	Preston Forebay FT	Preston Forebay Volume (ac ft)	Preston Reservoir FT	Preston Reservoir Volume (ac ft)
10/1/2021	329,547	229,547	23'8"	15.2	0	11'4"	18.7	21'1"	16.8
10/2/2021	281,556	181,556	23'9"	14.7	0	10'8"	19.3	21'1"	16.8
10/3/2021	298,847	198,847	23'9"	14.7	0	10'4"	19.7	21'1"	16.8
10/4/2021	327,678	227,678	23'9"	14.7	0	10'0"	20.0	21'1"	16.8
10/5/2021	360,454	260,454	23'9"	14.7	0	11'0"	19.0	21'1"	16.8
10/6/2021	334,984	234,984	23'9"	14.7	0	11'6"	18.5	21'1"	16.8
10/7/2021	370,084	270,084	23'10"	14.1	0	12'0"	18.0	21'1"	16.8
10/8/2021	338,941	238,941	23'10"	14.1	0	12'0"	18.0	21'0"	17.2
10/9/2021	306,412	206,412	23'10"	14.1	0	12'6"	17.5	21'0"	17.2
10/10/2021	303,319	203,319	23'10"	14.1	0	12'6"	17.5	21'0"	17.2
10/11/2021	327,603	227,603	23'10"	14.1	0	12'6"	17.5	21'0"	17.2
10/12/2021	342,350	242,350	23'10"	14.1	0	12'6"	17.5	20'11"	17.6
10/13/2021	328,785	228,785	23'10"	14.1	0	12'6"	17.5	20'11"	17.6
10/14/2021	356,000	256,000	23'10"	14.1	0	12'6"	17.5	20'11"	17.6
10/15/2021	327,653	227,653	23'11"	13.7	0	12'9"	17.3	20'11"	17.6
10/16/2021	302,494	202,494	23'11"	13.7	0	12'9"	17.3	20'10"	18.0
10/17/2021	335,737	0	23'10"	14.1	0	12'10"	17.2	20'10"	18.0
10/18/2021	368,750	0	23'10"	14.1	0	12'10"	17.2	20'9"	18.4
10/19/2021	348,122	0	23'10"	14.1	0	12'10"	17.2	20'8"	18.8
10/20/2021	350,081	0	23'10"	14.1	0	13'0"	17.0	20'8"	18.8
10/21/2021	380,769	0	23'10"	14.1	0	13'0"	17.0	20'8"	18.8
10/22/2021	380,356	0	23'10"	14.1	0	13'0"	17.0	20'7"	19.3
10/23/2021	354,678	0	23'10"	14.1	0	12'6"	17.5	20'7"	19.3
10/24/2021	1,731,788	0	22'11"	13.7	0	12'0"	18.0	20'2"	21.4
10/25/2021	1,480,584	0	21'3"	33.0	0	11'0"	19.0	19'4"	26.0
10/26/2021	657,094	0	20'11"	35.9	0	10'0"	20.0	19'3"	26.5
10/27/2021	558,809	0	20'8"	38.2	0	10'0"	20.0	19'3"	26.5
10/28/2021	440,660	0	20'7"	39.0	0	10'0"	20.0	19'2"	27.0
10/29/2021	441,797	0	20'7"	39.0	0	10'0"	20.0	19'2"	27.0
10/30/2021	407,003	0	20'6"	39.8	0	10'0"	20.0	19'2"	27.0
10/31/2021	373,781	0	20'5"	40.6	0	10'0"	20.0	19'1"	27.5
	Sutter Creek Total Flow								
Total	13,846,716	3,636,707			0				
Maximum	1,731,788								
Minimum	281,556								
Average Daily	449,098								

¹ The Influent flow meter was used for these numbers due to a malfunction effluent flow meter.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

STAFF REPORT

TO: ARSA BOARD OF DIRECTORS
MEETING DATE: NOVEMBER 17, 2021
FROM: AMY GEDNEY, GENERAL MANAGER
SUBJECT: REVISED MITIGATION REPORTING REQUIREMENTS

RECOMMENDATION:

For information only.

BACKGROUND

ARSA, Ione and Caste Oaks are the entities responsible for our current Waste Reclamation Requirement, WRR, which was approved by the Regional Water Quality Control Board in 1993. The City of Ione has allowed wastewater from Mule Creek Correctional Facility to be treated at their tertiary plant. Because the wastewater from the Mule Creek Correctional Facility "may contain" Volatile Organic Compounds, "VOCs" our monitoring requirements have been changed. On October 21, 2021, the Regional Board issued a Revised Monitoring and Reporting Program to CDCR, imposing additional monitoring and reporting requirements for VOCs. The additional requirements are necessary to determine the effects of MCSP's discharges on water quality, verify the effectiveness of existing WDRs to comply with applicable water quality objectives, evaluate MCSP's compliance with the terms and conditions of its WDRs, and determine the need for revised requirements. On the same day, the Regional Board also issued a Revised Monitoring and Reporting Program under WRRs Order No. 93-240, which regulates the COWRP's treatment and reuse of wastewater at the golf course, as well as ARSA's flows.¹ The Board imposed requirements to monitor and report the COWRP's influent and effluent for VOCs.

They are included as Attachment A.

DISCUSSION:

For ARSA, the additional requirements include calculating the water application rate and the Nitrogen load across the fields that we irrigate. For the Ione tertiary plant, they are not required to sample weekly and test for VOCs. And for their effluent, they are also now required to do weekly samples for Nitrate as Nitrogen, and VOCs, and an annual sample for standard minerals. Castle Oaks Golf Course will now be required to do more groundwater monitoring to include depth to groundwater, gradient, gradient direction, electrical conductivity, Nitrite as Nitrogen, VOCs, and standard minerals. Additionally, we are now going to be required to submit our monthly monitoring reports as one document.

We have already modified our monthly report to calculate the water application rate and the Nitrogen load; however, for the winter months, there will be nothing to report. Staff will reach out to the other entities to discuss the combined report submittal.

¹ For influent, samples must be taken of ARSA and CDCR's individual flows, as well as the combined flow.

Central Valley Regional Water Quality Control Board

21 October 2021

Robin Peters
ARSA
Board Chairman
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REVISED MONITORING AND REPORTING PROGRAM 93-240, CITY OF IONE, AMADOR COUNTY REGIONAL OUTFALL AND CASTLE OAKS GOLF COURSE AND DEVELOPMENT, AMADOR COUNTY

On 3 December 1993, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopted Water Reclamation Requirement (WRR) 93-240, which regulates the conveyance, storage, tertiary treatment, and land application of secondary treated domestic wastewater from the City of Sutter Creek Wastewater Treatment Plant (the Facility). In 2007, California Department of Corrections and Rehabilitation entered into an agreement with the City of Ione and Amador Regional Sanitation Authority (ARSA) and began sending secondary treated effluent from Mule Creek State Prison Wastewater Treatment Plant to the Ione tertiary plant for further treatment in order to be land-applied at Castle Oaks Golf Course.

Wastewater generated at Mule Creek State Prison is a mixture of domestic and industrial wastewater and may contain volatile organic compounds (VOCs). Monitoring and Reporting Program (MRP) 93-240 currently does not contain monitoring requirements for VOCs. Therefore, it is necessary to revise this MRP to include VOC monitoring requirements of the wastewater and groundwater to ensure the protection of water quality.

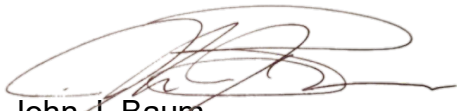
Pursuant to Water Code section 13267, the Discharger shall implement the attached MRP and shall submit the monitoring reports described herein. This revised MRP requires implementation of additional monitoring and reporting requirements to determine the effects

of discharges on water quality, to verify the effectiveness of existing waste discharge requirements to comply with applicable water quality objectives, to evaluate compliance with the terms and conditions of current waste discharge requirements, and to determine the need for revised requirements. Increased monitoring and reporting requirements are related to the detection of VOCs, which have been detected in samples collected from the Facility's influent, effluent, and groundwater.

Additional data collection is necessary to fully characterize the threat from discharges from the Facility to water quality, including potential impacts to nearby domestic wells. The purpose of revising the MRP at this time is to compile a more comprehensive data set of wastewater effluent and groundwater monitoring data in anticipation of updating WDRs 93-240 within the next year or so. Revision of these WDRs will also factor in changes to the discharge relationship between the City of Lone, California Department of Corrections and other nearby communities that share local wastewater infrastructure. The costs of the additional monitoring and reporting requirements under this revised MRP are estimated to be \$15,000 for one year, which is the expected timeframe for sufficient monitoring to adequately characterize the influent and discharge before renewing the WDRs. The burdens, including costs, of the additional monitoring and reporting required under this revised MRP bear a reasonable relationship to the need for the reports and the benefits to be obtained therefrom. More detailed information regarding the need for these requirements is available on file.

Revised MRP 93-240 shall be implemented on the first day of the month following issuance of this revised MRP.

If you have any questions with respect to this revised MRP, you may contact Kenny Croyle in the Compliance and Enforcement section at (916) 464-4676 or at kcroyle@waterboards.ca.gov.



John J. Baum
Assistant Executive Officer

Enclosure: Revised Monitoring and Reporting Program for WRR Order 93-240

cc w/o encl: Grant Scavello, USEPA, San Francisco
Eric Papathakis, Staff Council, California Department of Corrections, Sacramento
Gregor Larabee, California Department of Corrections, Sacramento
Adam Wolfe, California Department of Corrections, Sacramento
Christofer Hudgens, California Department of Corrections, Lone
Terry Bettencourt, California Department of Corrections, Sacramento

Felix Vasquez, California Department of Corrections, Sacramento
Anthony Orta, California Department of Corrections, Ione
Anthony Stark, California Department of Corrections, Ione
Michelle Opalenik, Amador County Dept. of Environmental Health, Jackson
Scott Armstrong, Central Valley Regional Water Quality Control Board,
Rancho Cordova
Lixin Fu, Central Valley Regional Water Quality Control Board, Rancho
Cordova
Diane Wratten, City of Ione, Ione
Thomas Reed, City of Ione, Ione
Dan Epperson, City of Ione, Ione
Amy Gedney, ARSA, Sutter Creek
Jim Scully, Interested Person, Ione
Jim Nevin, Interested Person, Ione
Andrew Packard, Interested Person, Petaluma

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
REVISED MONITORING AND REPORTING PROGRAM 93-240-002
FOR
AMADOR REGIONAL OUTFALL
AND
CASTLE OAKS GOLF COURSE AND DEVELOPMENT
AMADOR REGIONAL SANITATION AUTHORITY
CITY OF IONE
PORTLOCK INTERNATIONAL, LTD
AMADOR COUNTY

This revised Monitoring and Reporting Program (MRP) is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopts, or the Executive Officer issues, a revised MRP. Specific sample station locations shall be approved by Regional Board staff prior to implementation of sampling activities.

Water Code section 13267 states, in part:

“In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13268 states, in part:

“(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

Pursuant to Water Code section 13267, the Discharger shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to measure pH, dissolved oxygen, electrical conductivity, wind speed, and precipitation) may be used provided that they are used by a State Water Board California Environmental Laboratory Accreditation Program (ELAP) certified laboratory, or:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated at the frequency recommended by the manufacturer;
3. The instruments are serviced and/or calibrated at the manufacturer's recommended frequency; and
4. Field calibration reports are maintained and submitted as described in the "Reporting" section of the MRP.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (EPA); Test Methods for Evaluating Solid Waste (EPA); Methods for Chemical Analysis of Water and Wastes (EPA); Methods for Determination of Inorganic Substances in Environmental Samples (EPA); Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF); and Soil, Plant and Water Reference Methods for the Western Region (WREP 125). Accepted editions shall be those that are approved for use by the United States Environmental Protection Agency or the California Department of Public Health's Environmental Laboratory Accreditation Program. The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than the applicable water quality objectives for the constituents to be analyzed.

ARSA CONVEYANCE SYSTEM MONITORING

The Discharger shall monitor the wastewater conveyance and storage system on a weekly basis for sewer odors, spills or overflows, and leaks or seepage from the Sutter Creek Wastewater Treatment Plant outfall to the Preston Reservoir outfall. The operators shall keep a log of visual inspections made of the wastewater conveyance and storage system. This information shall be submitted in the monthly reports. In addition, the Discharger shall monitor all the stock watering troughs on a weekly basis and shall record any spills, overflows, or

leaks. This information shall be submitted in the monthly reports.

ARSA STORAGE RESERVOIR MONITORING

Samples shall be collected from established sampling stations located in areas that will provide a sample representative of the wastewater in Henderson Reservoir, Preston Forebay, and Preston Reservoir. Freeboard will be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm or the bottom of the spillway and shall be measured to the nearest 0.25 feet. Flow monitoring shall be conducted at the outfall outlet for each reservoir. Monitoring of all three reservoirs shall include, at a minimum, the following:

Constituent	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow	Gallons	Continuous	Daily	Monthly
Freeboard	Feet	Measurement	Twice-weekly, see note No.1	Monthly
Dissolved Oxygen	mg/L	Grab	Weekly	Monthly
pH	pH units	Grab	Monthly	Monthly

Note No1: Twice-weekly shall mean two observations per week, 3 days apart.

ARSA HENDERSON RESERVOIR EFFLUENT MONITORING

Effluent samples shall be collected downstream from the last connection through which wastes can be admitted from the Henderson Storage Reservoir. Samples collected from the outlet structure for the effluent slide gate valve shall be considered acceptable. Grab samples are considered adequately composited to represent the effluent. Effluent monitoring shall include, at a minimum, the following:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Total Coliform Organisms, see note No.1	MPN/100 mL	Grab	Monthly	Monthly
Electrical Conductivity	µmhos/cm	Grab	Monthly	Monthly
Total Arsenic	mg/L	Grab	Monthly	Monthly

Note No.1: Using a minimum of 15 tubes or three dilutions

ARSA WASTEWATER DISPOSAL MONITORING

Constituent	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow	gallons	Continuous	Daily	Monthly
Rainfall, see note No.1	Inches	Measurement	Daily	Monthly
Acreage Applied, see note No.2	Acres	Calculated	Daily	Monthly
Water Application Rate, see note No. 2	inches/day	Calculated	Daily	Monthly
Total Nitrogen Loading Rate, see note No. 2	lbs./ac/month	Calculated	Monthly	Monthly

Note: 1: As measured at the weather station which is nearest to the disposal site.

2: Specific disposal fields shall be identified.

CITY OF IONE TERTIARY TREATMENT PLANT INFFLUENT MONITORING

Influent samples shall be collected at a sampling station prior the wastewater entering the tertiary treatment plant. Influent monitoring shall be included, at a minimum, the following:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Combined Flow from CDCR and ARSA	gallons	Meter Observation/or calculation	Monthly	Monthly
CDCR Flow	gallons	Meter Observation/or Calculation	Monthly	Monthly
ARSA flow	gallons	Meter Observation/ or Calculation	Monthly	Monthly
Volatile Organic Compounds (VOCs), see note No.1	µg/L	Grab	Weekly	Monthly

Note: 1. VOCs shall be analyzed by EPA method 8260B or equivalent. Analysis shall include the full list of VOC analytes.

CITY OF IONE TERTIARY TREATMENT PLANT EFFLUENT MONITORING

Effluent samples shall be collected (during operation) downstream from the last connection through which wastes can be admitted from the City of Ione's tertiary treatment plant to Castle Oaks Golf Course irrigation storage reservoirs. Samples collected from the outlet structure at the chlorine contact channel shall be considered acceptable. Grab samples are considered adequately composited to represent the effluent. Effluent monitoring shall include, at a minimum, the following:

Constituents	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow	gallons	Continuous	Daily	Monthly
Turbidity	NTU	Continuous	Daily	Monthly
Total Chlorine Residual	mg/L	Grab	Daily	Monthly
Total Coliform Organisms, see note No.1	MPN/100 mL	Grab	Daily	Monthly
pH	pH units	Grab	Weekly	Monthly
BOD5	mg/L	Grab	Weekly	Monthly
Nitrate as Nitrogen	mg/L	Grab	Weekly	Monthly
Total Arsenic	mg/L	Grab	Monthly	Monthly
Electrical Conductivity	µmhos/cm	Grab	Monthly	Monthly
Volatile Organic Compounds (VOCs), see note No.2	µg/L	Grab	Weekly	Monthly
Standard Minerals, see note No 3.	mg/L	Grab	Annually	Annually

Note: 1. Using a minimum of 15 tubes or three dilutions.

- VOCs shall be analyzed by EPA method 8260B or equivalent. Analysis shall include the full list of VOC analytes.
- Standard Minerals shall include, at a minimum, the following elements and compounds: boron, calcium, chloride, dissolved iron, magnesium, dissolved manganese, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness. Samples for metals analysis shall be filtered prior to preservation and digestion using a 0.45-micron filter.

CASTLE OAKS GOLF COURSE IRRIGATION STORAGE POND MONITORING

Samples shall be collected from established sampling stations located in areas that will provide a sample representative of the wastewater in the Castle Oaks Golf Course irrigation storage ponds. Freeboard will be measured vertically from the surface of the pond water to the lowest elevation of the surrounding berm and shall be measured to the nearest 0.25 feet. Monitoring of all storage ponds shall include, at a minimum, the following:

Constituent	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Freeboard	Feet	Measurement	Twice-weekly, See note No.1	Monthly
Odors	--	Observation	Weekly	Monthly
Dissolved Oxygen	mg/L	Grab	Weekly	Monthly
pH	pH units	Grab	Monthly	Monthly

Note: 1. Twice-weekly shall mean two observations per week, 3 days apart.

CASTLE OAKS GOLF COURSE FIELD MONITORING

Monitoring of the irrigated area shall be conducted daily (during operation) and the results shall be included in the monthly monitoring report. Evidence of erosion, field saturation, runoff, or the presence of nuisance conditions shall be noted in the report. Reclaimed water shall also be monitored to ascertain disposal rates. Monitoring of the disposal fields shall include the following:

Constituent	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Flow	gallons	Continuous	Daily	Monthly
Rainfall, See note No.1	Inches	Measurement	Daily	Monthly
Acreage Applied, See note No.2	Acres	Calculated	Daily	Monthly
Tailwater Runoff Observation	--	Observation	Daily	Monthly

Note: 1. As measured at the weather station which is nearest to the disposal site.

2. Specific disposal fields shall be identified.

CASTLE OAKS GOLF COURSE GROUNDWATER MONITORING

Prior to sampling, depth to groundwater measurements shall be measured in each monitoring

REVISED MONITORING AND REPORTING PROGRAM 93-240-002
AMADOR REGIONAL OUTFALL
CASTLE OAKS GOLF COURSE AND DEVELOPMENT
AMADOR REGIONAL SANITATION AUTHORITY
CITY OF IONE
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-7-

well to the nearest 0.01 feet. Groundwater elevations shall then be calculated to determine groundwater gradient and flow direction. Monitoring wells to be sampled shall be purged of at least three well volumes until temperature, pH, and electrical conductivity have stabilized. Low or no-purge sampling methods are acceptable, if described in an approved Sampling and Analysis Plan. Samples shall be collected and analyzed using standard EPA methods. Groundwater monitoring shall include, at a minimum, the following:

Constituent	Units	Type of Sample	Sampling Frequency	Reporting Frequency
Groundwater Elevation, see note No. 1	0.01 feet	Measurement	Quarterly	Quarterly
Depth to Groundwater	0.01 feet	Measurement	Quarterly	Quarterly
Gradient	feet/foot	Calculated	Quarterly	Quarterly
Gradient Direction	degrees	Calculated	Quarterly	Quarterly
pH	S.U.	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Electrical Conductivity	µmhos/cm	Grab	Quarterly	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Nitrite as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Ammonia as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Total Coliform Organisms, see note No. 2	MPN/100 mL	Grab	Quarterly	Quarterly
Volatile Organic Compounds (VOCs), see note No. 3	µg/L	Grab	Quarterly	Quarterly
Standard Minerals, see note No 4.	mg/L	Grab	Annually	Annually

Notes:

1. Groundwater elevations shall be based on depth-to-water using a surveyed measuring point elevation on the well and a surveyed reference elevation.
2. Using a minimum of 15 tubes or three dilutions.
3. VOCs shall be analyzed by EPA method 8260B or equivalent. Analysis shall include the full list of VOC analytes.
4. Standard Minerals shall include, at a minimum, the following elements and compounds: arsenic, boron, calcium, chloride, dissolved iron, magnesium, dissolved manganese, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and

hardness. Samples for metals shall be filtered prior to preservation and digestion using a 0.45-micron filter.

SOLIDS/SLUDGE DISPOSAL MONITORING

The Discharger shall keep records regarding the quantity of biosolids generated by the ARSA storage reservoirs, ARSA conveyance system, City of Ione tertiary treatment plant, and the Castle Oaks golf course irrigation storage ponds; any sampling and analytical data; and the quantity removed for disposal. The records shall also indicate the steps taken to reduce objectionable odors

and other nuisance conditions. Records shall be stored onsite and available for review during inspections.

If biosolids are transported off-site for disposal, then the Discharger shall submit records identifying the hauling company, the amount of biosolids transported, the date removed from the facility, the location of disposal, and copies of all analytical data required by the entity accepting the waste. All records shall be submitted as part of the Annual Monitoring Report.

REPORTING

Each monitoring report shall be submitted as a single report under one cover, signed by the appropriate representative for each Discharger. The Dischargers are held equally responsible for the submittal of complete and adequate monitoring reports, regardless of how the Dischargers decide to distribute the monitoring and reporting responsibilities.

All monitoring reports should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: centralvalleysacramento@waterboards.ca.gov.

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, California 95670

Please include a transmittal sheet that includes the following:

Attention: Compliance/Enforcement Section

Amador Regional Outfall, Castle Oaks Golf Course, Amador Regional Sanitation
Authority, and City of Ione

Amador County

Place ID: 205398

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, pond, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Board.

As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all Groundwater Monitoring Reports shall be prepared under the direct supervision of a Registered Engineer or Geologist and signed by the registered professional.

If violations occur, the Discharger shall notify the Central Valley Water Board within 10 business days after receiving the analytical laboratory reports.

A. Monthly Monitoring Reports

Monthly reports shall be submitted to the Central Valley Water Board on the **1st day of the second month following sampling** (i.e. the January Report is due by 1 March). At a minimum, the reports shall include:

1. Results of conveyance system, storage reservoir, Henderson Reservoir effluent, disposal fields, tertiary treatment plant influent and effluent, golf course disposal fields, and golf course storage reservoir monitoring.
2. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format.
3. Inspection logbook entries for the ARSA conveyance system, ARSA disposal fields and Castle Oaks golf course disposal field monitoring. The report shall also include the daily calculations.
4. Copies of laboratory analytical report(s); and
5. A calibration log verifying calibration of all handheld monitoring instruments and devices used to comply with the prescribed monitoring program.

B. Quarterly Monitoring Reports

The Discharger shall establish a quarterly sampling schedule for groundwater monitoring such that samples are obtained approximately every three months. Quarterly monitoring reports shall be submitted to the Board by the **1st day of the second month after the quarter** (i.e. the January-March quarter is due by May 1st) each year. The Quarterly Report shall include the following:

1. Results of groundwater monitoring.
2. A narrative description of all preparatory, monitoring, sampling, and analytical testing activities for the groundwater monitoring. The narrative shall be sufficiently detailed to verify compliance with the WDRs, this MRP, and the Standard Provisions and Reporting Requirements. The narrative shall be supported by field logs for each well documenting depth to groundwater; parameters measured before, during, and after purging; method of purging; calculation of casing volume; and total volume of water purged; sample preparation (e.g., filtering); and sample preservation.
3. Calculation of groundwater elevations, an assessment of groundwater flow direction and gradient on the date of measurement, comparison of previous flow direction and gradient data, and discussion of seasonal trends if any;
4. A narrative discussion of the analytical results for all groundwater locations monitored including spatial and temporal trends, with reference to summary data tables, graphs, and appended analytical reports (as applicable);
5. A comparison of monitoring data to the groundwater limitations and an explanation of any violation of those requirements;
6. Summary data tables of historical and current water table elevations and analytical results;
7. A scaled map showing relevant structures and features of the facility, the locations of monitoring wells and any other sampling stations, and groundwater elevation contours referenced to mean sea level datum;
8. Copies of laboratory analytical report(s) for groundwater monitoring.

C. Annual Monitoring Reports

An Annual Report shall be prepared as the fourth quarter monitoring report. The Annual Report will include all monitoring data required in the monthly/quarterly schedule. The Annual Report shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented, the Annual Report shall include the following:

1. Tabular and graphical summaries of all data collected during the year;
2. An evaluation of the performance of the tertiary treatment system which demonstrates the facility's ability to consistently meet treatment standards for recycled water use on a public golf course specified in Title 22, Division 4, CCR (Section 60301, et seq.), as well as a forecast of the flows anticipated in the next year;
3. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. Summary of information on the disposal of biosolids as described in the "Biosolids Monitoring" section.
6. A discussion of whether the Discharger anticipates removing biosolids in the coming year, and if so, the anticipated schedule for cleaning, drying, and disposal;

D. State Water Board Volumetric Annual Reporting

Per [State Water Resources Control Board's Water Quality Control Policy](https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/) (https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/), amended in December 2018, dischargers of treated wastewater and recycled water are required to report annually monthly volumes of influent, wastewater produced, and effluent, including treatment level and discharge type. The Discharger shall submit an annual report to the State Water Board by **April 30 of each calendar year** furnished with the information detailed below. The Discharger must submit this annual report containing monthly data in electronic format via the State Water Board's Internet [GeoTracker system](http://geotracker.waterboards.ca.gov/) (<http://geotracker.waterboards.ca.gov/>). Required data shall be submitted to the GeoTracker database under a site-specific global identification number. Any data will be made publicly accessible as machine readable datasets. The Discharger must report all applicable items listed below:

1. **Influent.** Monthly volume of wastewater collected and treated by the wastewater treatment plant.
2. **Production.** Monthly volume of wastewater treated, specifying level of treatment.
3. **Discharge.** Monthly volume of treated wastewater discharged to land, where beneficial use is not taking place, including evaporation or percolation ponds, overland flow, or spray irrigation disposal, excluding pasture of fields with harvested grounds.
4. **Reuse.** Monthly volume of recycled water distributed.
5. **Reuse Categories.** Annual volume of treated wastewater distributed for beneficial use in compliance with California Code of Regulations, Title 22 in each of the use categories listed below:
 - a. Agricultural irrigation: pasture or crop irrigation.
 - b. Landscape irrigation: irrigation of parks, greenbelts, and playgrounds; school yards; athletic fields; cemeteries; residential landscaping, common areas; commercial landscaping; industrial landscaping; and freeway, highway, and street landscaping.
 - c. Golf course irrigation: irrigation of golf courses, including water used to maintain aesthetic impoundments within golf courses.
 - d. Commercial application: commercial facilities, business use (such as laundries and office buildings), car washes, retail nurseries, and appurtenant landscaping that is not separately metered.
 - e. Industrial application: manufacturing facilities, cooling towers, process water, and appurtenant landscaping that is not separately metered.
 - f. Geothermal energy production: augmentation of geothermal fields.
 - g. Other non-potable uses: including but not limited to dust control, flushing sewers, fire protection, fill stations, snow making, and recreational impoundments.
 - h. Groundwater recharge: the planned use of recycled water for replenishment of a groundwater basin or an aquifer that has been designated as a source of water supply for a public water system. Includes surface or subsurface application, except for seawater intrusion barrier use.
 - i. Reservoir water augmentation: the planned placement of recycled water into a raw surface water reservoir used as a source of domestic drinking water supply for a public water system, as defined in section 116275 of the Health and Safety Code, or into a constructed system conveying water to such a reservoir (Water Code § 13561).

REVISED MONITORING AND REPORTING PROGRAM 93-240-002
AMADOR REGIONAL OUTFALL
CASTLE OAKS GOLF COURSE AND DEVELOPMENT
AMADOR REGIONAL SANITATION AUTHORITY
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PORTLOCK INTERNATIONAL, LTD
AMADOR COUNTY

-13-

- j. Raw water augmentation: the planned placement of recycled water into a system of pipelines or aqueducts that deliver raw water to a drinking water treatment plant that provides water to a public water system as defined in section 116275 of the Health and Safety Code (Water Code§ 13561).
- k. Other potable uses: both indirect and direct potable reuse other than for groundwater recharge, seawater intrusion barrier, reservoir water augmentation, or raw water augmentation.


A letter transmitting the monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Discharger or the Discharger's authorized agent:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The Discharger shall implement the above monitoring program on the first day of the month following issuance of this revised MRP.

This Order is issued under authority delegated to the Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2018-0057 and is effective upon signature.

Ordered by:



PATRICK PALUPA , Executive Officer

10/21/2021

(Date)