CARMEL AREA WASTEWATER DISTRICT

Regular Board Meeting

3945 Rio Road, Carmel, CA 93923

February 27, 2025
Thursday
9:00AM

Public Comment

Agenda Changes

Introduction of New Employees

CARMEL AREA WASTEWATER DISTRICT
REGULAR BOARD MEETING MINUTES
Thursday, 9:00 a.m., January 30, 2025

3945 Rio Road

Carmel, California 93950

Via Teleconference Webinar & In Person

CALL TO ORDER - ROLL CALL - The meeting was called to order at 9:00 a.m.
**Signifies Virtual Attendance*

Present: President Ken White, Pro Tem Bob Siegfried, Directors: Cole, Urquhart,

A quorum was present.

Absent:

Others: Barbara Buikema, General Manger Carmel Area Wastewater District (CAWD or District)
Domine Barringer, Board Clerk, CAWD
Patrick Treanor, District Engineer, CAWD
Jeff Bandy, Principal Engineer, CAWD
Chris Foley, Maintenance Superintendent, CAWD
Daryl Lauer, Collections Superintendent, CAWD
Ed Waggoner, Plant Superintendent, CAWD
Kevin Young, Plant Supervisor, CAWD
Leo Laska, Director, Pebble Beach Community District (PBCSD)
Nick Becker, General Manager, PBCSD
Alex J. Lorca- Fenton & Keller, Attorneys At Law, CAWD Legal Counsel

In Person Public Attendees:
Ramesh Manian | Stanford Ph. D, Student
Hunter Leighton | Guest
Steve Wilson| Monterey Bay Engineers, Inc.
Dan and Dasha Keig
Steve Thomas |TBC Communications

***Virtual Public Attendees:**
*Scott Lonergan | Guest

Note: Prior to the start of the meeting Steve Wilson spoke with President White and provided a document. This document was also given to the Board Clerk, and it was posted to the District website after the meeting was concluded.

CALL TO ORDER - ROLL CALL

Cole (Present)- Siegfried (Present)- Urquhart (Present)- White(Present)

APPEARANCES, ORDERS OF BUSINESS & ANNOUNCEMENTS

1. ***Appearances/Public Comments:*** *Anyone wishing to address the Board on a matter not appearing on the agenda may do so now. Public comment shall be limited to 3 minutes per person. No action shall be taken on any item not appearing on the agenda. During consideration of any agenda item, public comment shall be limited to 3 minutes per person and will be allowed prior to Board action on the item under discussion.*

Mr. Leighton addressed the board regarding the accessory dwelling unit policy. President White requested that Mr. Leighton provide the Board Clerk the document he brought to the meeting. Mr. Leighton stated that the document would be emailed to the District.

Director Siegfried requested that the Principal Engineer's projects that he is involved in be agendized for the next board meeting. The Board was in consensus to agendize this discussion at the February board meeting.

2. ***Agenda Changes:*** *Any requests to move an item forward on the agenda will be considered at this time.*

The Board was in consensus to move agenda item #31 before the consent calendar to accommodate attendees who wished to speak on this item. See Board comments under item #31.

3. ***Introduction of Simrandeep Singh and Erik Van Duren***: As Lab Analyst I/ Environmental Compliance Inspector I

There was consensus from the Board to move this item to the February board meeting.

4. ***Remembrance*** *of Director Michael Rachel, for his 10 years of service to Carmel Area Wastewater District.*

Resolution No. 2025-01; A Resolution Recognizing And Acknowledging The Special Recognition of Director Michael Rachel for 10 years of Service to the District-*Report by Barbara Buikema, General Manager*

A Motion To Approve The Resolution Was Made By Director Urquhart And Seconded By Director Siegfried. Following A Roll Call Vote, The Board Unanimously Passed Resolution Recognizing And Acknowledging The Special Recognition of Director Michael Rachel for 10 years of Service to the District.

A moment of silence was observed by all participants in honor of Mr. Rachel

<u>Comments made by the Board of Directors:</u>
Mr. Rachel was a prince of a human being, humble, selfless, and a good soul. He provided a great background for the Board, and he will be missed.

CONSENT CALENDAR: APPROVAL OF MINUTES, FINANCIAL STATEMENTS AND MONTHLY REPORTS-ALL REPORTS RELATE TO CURRENT YEAR

The Consent Agenda consists of routine items for which Board approval can be taken with a single motion and vote. A Board Member may request that any item be placed on the Regular Agenda for separate consideration.

A Motion To Receive And Approve The Consent Agenda Was Made By Director Urquhart Seconded By Director Siegfried. After A Roll Call Vote, The Board Unanimously Received And Approved The Following Consent Calendar/Agenda Items

5. December 19, 2024, Regular Board Meeting Minutes, January 15, 2025 Bridge To Everywhere Minutes
6. Receive and Accept Bank Statement Review by Clifton Larson Allen (CLA)-December, November, October, and September 2024
   (Note: The District was informed by CLA that the December, November, October and September letters are not available for the January board meeting)
7. Receive and Accept Schedule of Cash Receipts & Disbursements December 2024
8. Approve Register of Disbursements – Carmel Area Wastewater District December 2024
9. Approve Register of Disbursements – CAWD/PBCSD Reclamation Project December 2024
10. Receive and Accept Financial Statements and Supplementary Schedules - December 2024
11. Receive and Accept Collection System Superintendent's Report For December, November & October 2024
12. Receive and Accept Safety and Regulatory Compliance Report December 2024
13. Receive and Accept Treatment Facility Operations Report December, November & October 2024
14. Receive and Accept Laboratory/Environmental Compliance Report December 2024
15. Receive and Accept Capital Projects Report/Implementation Plan
16. Receive and Accept Project Summaries – Capital & Non-Capital
17. Receive and Accept Plant Operations Report- December 2024
18. Receive and Accept Maintenance Projects Report – December 2024
19. Receive and Accept Source Control-Environmental Compliance Report December 2024

ACTION ITEMS BEFORE THE BOARD

Action Items consist of business which requires a vote by the Board. These items are acted upon in the following sequence: (1) Staff Report (2) Board Questions to Staff (3) Public Comments, and (4) Board Discussion and Action.

RESOLUTIONS

20. **Resolution No. 2025-02**: A Resolution Appointing a Board Clerk and Pro Tem Clerk of the Carmel Area Wastewater District, for a Term of One Year, Commencing on December 19,2024 ~~January 30, 2025~~ – *Report by Domine Barringer, Board Clerk*

A Motion To Approve The Resolution Was Made By Director Urquhart And Seconded By President White. Following A Roll Call Vote, The Board Unanimously Passed Resolution Resolution Appointing a Board Clerk and Pro Tem Clerk of the Carmel Area Wastewater District, for a Term of One Year, Commencing on December 19, 2024.

21. **Resolution No. 2025-03**; A Resolution Authorizing The General Manager To Enter Into A Contract Amount Of $47,846 With R.F. Macdonald Co. To Recondition Reclamation Pump 932-*Report Written by Chris Foley, Maintenance Superintendent-Presented by Ed Waggoner, Plant Superintendent*

A Motion To Approve The Resolution Was Made By Director Urquhart And Seconded By Director Siegfried. Following A Roll Call Vote, The Board Unanimously Passed Resolution To Enter Into A Contract Amount Of $47,846 With R.F. Macdonald Co. To Recondition Reclamation Pump 932.

22. **Resolution No. 2025-04;** A Resolution Accepting The 2024 Surplus Property Disposition-Foley *Report Written by Chris Foley, Maintenance Superintendent-Presented by Ed Waggoner, Plant Superintendent* ~~*Daryl Lauer*~~, ~~*Collections Superintendent*~~

A Motion To Approve The Resolution Was Made By Director Urquhart And Seconded By Director Siegfried. Following A Roll Call Vote, The Board Unanimously Passed Resolution Accepting The 2024 Surplus Property Disposition.

23. **Resolution No. 2025-05-** A Resolution Authorizing The General Manager To Execute An Amendment To An Existing Professional Services Agreement With MNS Engineers, Inc. In An Amount Not To Exceed $231,715 For Construction Phase Engineering And Public Outreach Services For The Santa Rita And Guadalupe Sewer Replacement Project (Project #23-01)-*Report by Patrick Treanor, District Engineer*

A Motion To Approve The Resolution Was Made By President White And Seconded By Director Cole. Following A Roll Call Vote, The Board Unanimously Passed Resolution Authorizing The General Manager To Execute An Amendment To An Existing Professional Services Agreement With MNS Engineers, Inc. In An Amount Not To Exceed $231,715 For Construction Phase Engineering And Public Outreach Services For The Santa Rita And Guadalupe Sewer Replacement Project (Project #23-01).

24. **Resolution No. 2025-06-** A Resolution Authorizing The General Manager To Sign A Consultant Contract For Executive Coaching - *Report by General Manager, Barbara Buikema*

A Motion To Approve The Resolution Was Made By Director Siegfried And Seconded By Director Cole. Following A Roll Call Vote, The Board Unanimously Passed Resolution Authorizing The General Manager To Sign A Consultant Contract For Executive Coaching For $42K With Limelight Strategies.

COMMUNICATIONS

25. General Manager Report- *Report by General Manager, Barbara Buikema* *

a. Retreat Progress

The management team will be meeting again in early February to discuss the retreat.

b. County Response on District Funds

Barbara Buikema stated, on the question regarding the County's response to District request, a letter was sent out and they did not respond. The response from the District's consultant stated there is a rule that says the District cannot, as a Special District, petition the Attorney General. Another call is scheduled with Mandel Consulting.

c. CWEA Awards Event – 71st Annual Awards Banquet February 21, 2025 6-9 pm

OTHER ITEMS BEFORE THE BOARD

26. 2025 Board Committee Assignments, PBCSD Meetings, SDA Meetings, and conference schedule – *Report by Board Clerk, Domine Barringer*

Requesting Board Approval

The Board Was In Consensus To Continue The Current Committee Assignments.

27. Budget Committee Discussion - *Report by General Manager, Barbara Buikema*

Requesting Board Decision

Items below numbered 1-6 as listed in the Staff report and voted on during the January 30, 2025, board meeting: Guidance to the budget committee from the full Board.

- **Should the Sea Level Rise Reserve continue to be augmented, and, if so, why and at what rate?**
    - ***A Motion To Continue Funding Sea Level Rise was made by President White and seconded by Director Siegfried. Roll Call Vote Was Taken On Sea Level Rise And The Continuance Of The Yearly Funding. After The Roll Call Vote Ayes from Directors Cole, Siegfried, and President White, With A No Vote From Director Urquhart. Following A Roll Call Vote, The Board Agreed To Continue The Sea Level Rise Funding.***

      Barbara Buikema asked if it was to be funded at the current rate of $1M a year. Director Siegfried stated that the Budget Committee can decide the amount. The was no consensus from the Board regarding this comment.

- **It is an open question whether CalPERS Section 115 investments consistently are able to outperform the market. Such investments represent an additional commission on ratepayers' funds compared to leaving funds with the ratepayers and requesting contributions when CalPERS issues requests for supplementary contributions. There are advantages and disadvantages to maintaining Section 115 investments. Should Carmel Area Wastewater District continue investing in Section 115 funds?**

    - ***A Motion To Cease Funding CalPERS 115 Was Made By Director Siegfried And Seconded by Director Urquhart To Leaving Funds With The Ratepayers And Requesting Contributions When CalPERS Issues Requests For Supplementary Contributions. After The Roll Call Vote There Were No Votes from Directors Cole and President White, With Yes Votes From Director Urquhart and Siegfried. Following A Roll Call Vote, The Motion Failed.***

- **Over how many years should funds be raised for planned, significant capital investments?**

    A Motion To Continue The 15 Year Time Frame To Raise Significant Capital Investment Was Made By President White And Seconded by Director Cole. After The Roll Call Vote There Where Ayes from Directors Cole, Siegfried, and President White, And A No Vote From Director Urquhart. The Board Agreed To Continue The Status Quo Of Funding Capital Investments for 15 years.

- **Should money be budgeted to compensate for depreciation?**

    - ***A Motion To Continue The Status Quo Regarding Depreciation Was Made By Director Siegfried and seconded by President White. After The Roll Call Vote All Ayes, The Board Unanimously Agreed To Continue The Status Quo Regarding Depreciation.***

- **Does the Board wish to maintain its Pay-as-You-Go policy for capital projects and for Sea Level Rise?**

    - ***A Motion To Continue The Pay-as-you-Go Was Made By President White And Seconded by Director Siegfried. After The Roll Call Vote With Ayes From Directors Cole, Siegfried, and President White And A No Vote From Director Urquhart. The Board wish to maintain its Pay-as-You-Go policy for capital projects and for Sea Level Rise?***

- **Should we initiate a practice of linking performance measures to specific program goals? Should these be reported in the budget document?**

    - ***A Motion To Initiate And Articulate A Practice Of Linking Performance Measures To Specific Program Goals And Have These Be Reported In The Budget Document Was Made By Director Cole And Seconded By Urquhart. After The Roll Call Vote All Ayes, The Board Unanimously Agreed To Initiate Practice Of Linking Performance Measures To Specific Program Goals And Have These Be Reported In The Budget Document And The Budget Committee Will Decide The Measures.***

28. Newsletter Topics- *Report by General Manager, Barbara Buikema*

The Board Was In Consensus To Choose The Following Newsletter Topics:

- Smartcovers – what are they, where are they, why do we use them.
- Microorganism of the Month
- Budget graphs
- Energy Improvement
- Fats, Oil and Grease (FOG) Plan
- If You See Something – Say Something
- Digital Newsletter Comment

29. 2024 Annual Collection Report -*by Daryl Lauer, Collections Superintendent*

Requesting Board Approval

A Motion To Approve The 2024 Annual Collection Report Was Made By Urquhart And Seconded By President White. Following A Roll Call Vote, The Board Unanimously Accepted the 2024 Annual Collection Report.

30. Requesting A Motion To Accept The Carmel Area Wastewater District's June 30,2024 Financial Audit- *Report by General Manager, Barbara Buikema*

Requesting Board Acceptance

A Motion To Accept The Carmel Area Wastewater District's June 30, 2024 Financial Audit Was Made By Urquhart And Seconded By President White. Following A Roll Call Vote, The Board Unanimously Accepted The Carmel Area Wastewater District's June 30, 2024 Financial Audit.

31. Special Sewer Connection Agreement Discussion – Keig Property -Highlands Gas Station (70 Hwy 1)- *Report by Patrick Treanor, District Engineer*

Requesting Board Discussion

A Motion To Table Item #31 Regarding The Special Sewer Connection Agreement Discussion – Keig Property- Highlands Gas Station (70 Hwy 1) and bring it back to the next board meeting - Was Made By Director Urquhart And Seconded By Director Cole. Following A Roll Call Vote, The Board Unanimously Agreed To Table Item #31.

President White requested if the applicant is in support of the motion? Steve Wilson requested that a special meeting be held to discuss this issue. President White requested that the applicant provide a date that is amenable. Director Cole agreed with the request for a single issue meeting (special meeting). President White requested consensus, and the Board was in consensus.

INFORMATION/DISCUSSION ITEMS

32. January 24,2025 Pebble Beach Community Service District Meeting- *Report by General Manager, Barbara Buikema*

33. Staff report – Director Questions Submission To Be Received By Wednesday Morning- *Report by General Manager, Barbara Buikema*

The Board Was In Consensus To Deliver Questions To Staff The Tuesday Before The Board Meeting.

34. Statement of Economic of Interest (FORM 700)- *Report by Domine Barringer, Board Clerk*

The Board Clerk reported that all FORM 700 will have to be submitted electronically going forward.

35. Board Vacancy Information- Notification of Special Board Meeting -February 26, 2025- *Report by Domine Barringer, Board Clerk*

The Board Was In Consensus To Post The Board Vacancy At The Rio Road Post Office.

36. Term Limit Policy-*Report by Domine Barringer, Board Clerk*

The Board requested that we move this to the next board meeting.

37. Special District Meeting- *Report by General Manager, Barbara Buikema*

38. Wastewater Treatment Plant Electricity Use Update-*Report by Patrick Treanor, District Engineer*

39. Announcements on Subjects of Interest to the Board Made by Members of the Board or Staff

Oral reports or announcements from Board President, Directors or staff concerning their activities and/or meetings or conferences attended.

PBCSD Board Public Meeting Notice & Agenda – The next PBCSD meeting is scheduled for:
Friday, February 28, 2025, at 9:30 a.m. –TBD is scheduled to attend.
Friday, March 28, 2025, at 9:30 a.m. –TBD is scheduled to attend.

Special Districts Association (SDA) of Monterey County – The next SDA meeting is scheduled for:
Tuesday, April 15, 2025, at 6:00 p.m. –TBD is scheduled to attend.
Tuesday, July (TBD), 2025, at 6:00 p.m. –TBD is scheduled to attend.

Reclamation Management Committee (RMC) Meeting – The next RMC meeting is scheduled for:
Tuesday, February 11, 2025, at 9:30 a.m. President White and Director Siegfried.

- *Director Cole's Report on CASA Conference Information*

There being no further business to come before the Board, the meeting adjourned at meeting at 11:26 a.m.

40. ADJOURNMENT

The next Regular Board Meeting will be held at 9:00 a.m., Thursday, February 27, 2025, or at an alternate acceptable date. *NOTE: The meeting will have a teleconference option hosted through Zoom. You can access the Zoom link by visiting our website, www.cawd.org. If you need assistance, please call the District office at 831-624-1248 or send an email to downstream@cawd.org. After staff reports have been distributed, if additional documents are produced by the District and provided to the Board regarding any item on the agenda, they will be made available on the District website.*

As Reported To:

_____
Domine Barringer, Board Clerk

APPROVED:

_____
Ken White, President of the Board

CARMEL AREA WASTEWATER DISTRICT

Budget STANDING COMMITTEE
MEETING MINUTES
1:00 p.m. Friday, February 14, 2025

Via teleconference and in-person

CALL TO ORDER - ROLL CALL:
The meeting was called to order at 1:00 p.m.

Present: Director Siegfried
Director Cole

**Signifies Virtual Attendance*

Other Attendees:
Barbara Buikema, General Manager, Carmel Area Wastewater District (CAWD)
James Grover, Accounting Manager
Mariana Pimentel, Chief Financial Officer (PBCSD)*

Absent:

Appearances/Public Comments: None

Agenda Changes: **None**

AGENDA ITEMS:

- *Review of 2025-26 O&M Treatment Budget*

The Committee adjourned the meeting at 3:01 p.m.

ADJOURNMENT: *The next regular Board meeting will be held at 9:00 a.m., Thursday, February 27, 2025, in person or with a teleconference webinar link. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.*

AS REPORTED TO:

_____
Barbara Buikema, General Manager

APPROVED:_____
Bob Siegfried, Pro Tem of the Board

CARMEL AREA WASTEWATER DISTRICT

Pension & Investment Long Term Investments

STANDING COMMITTEE MEETING MINUTES

9:30 a.m. Wednesday, February 19, 2025

Via teleconference and in-person

CALL TO ORDER - ROLL CALL:
The meeting was called to order at 9:34 a.m.

Present: Director Siegfried and Director Urquhart

**Signifies Virtual Attendance*

Other Attendees:
Barbara Buikema, General Manager
Chuck Elise, Osborne Partners Capital*
Alex Lorca, District Legal Counsel*

Absent:

1. **Appearances/Public Comments:** *Anyone wishing to address the Committee on a matter not appearing on the agenda may do so now. Public comment shall be limited to 3 minutes per person per topic. No action shall be taken on any item not appearing on the agenda.*

2. **Agenda Changes: Any requests to move an item on the agenda will be considered at this time.**

None

3. **INFORMATION/DISCUSSION ITEMS:**

- Discuss Review Of Investment Policy:

a. Robert Siegfried will speak to Ken White about the concern of the Pension And Investment Committee having a tie and the need to bring this type of issue to the full board.

b. Chuck Else requested that the investment policy guidelines be signed

Director Urquhart made a motion and it was seconded by Director Siegfried for the Osborne Capital to proceed and allow the District investment advisor to proceed as appropriate to the market.

Director Urquhart stated that the District is still looking obtaining a Pension lawyer. Mr. Else stated that he is certain that this is subject to ERISA. Alex Lorca stated that he has a contact for a pension attorney.

Mr. Else looks forward to reporting out at any upcoming board or pension meeting.

The Committee adjourned the meeting at 9:50 a.m.

4. **ADJOURNMENT:** *The next regular Board meeting will be held at 9:00 a.m., Thursday, February 27, 2025, in person or with a teleconference webinar link. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.*

AS REPORTED TO:

_____

Barbara Buikema, General Manager

APPROVED:

_____

Bob Siegfried, Director

CARMEL AREA WASTEWATER DISTRICT

BRIDGE TO EVERYWHERE(BTE)
STANDING COMMITTEE MEETING
MINUTES

February 19, 2025, Wednesday 2:00 p.m.

CALL TO ORDER - ROLL CALL

The meeting was called to order at 2:01 p.m.

**Signifies virtual attendance*

Present: President Ken White,

Other Attendees:

Barbara Buikema, General Manager
Patrick Treanor, District Engineer
Dale Byrne, Mayor of Carmel-by-the-Sea
Greg D'Ambrosio, Friends of Mission Trail Nature Preserve
Doug Schmitz, Friends of Mission Trail Nature Preserve
Sam Farr, Retired Representative U.S. Congress
Paul Bartow, Citizen Representative
Gary Tate, Citizen Representative
Scott Lonergan, Citizen Representative
Paul Short, Citizen Representative

Other In Person Attendees:

Bob Siegfried, Board Member - Carmel Valley Association Representative

Absent:

Laura Bowling, Friends of Mission Trail Nature Preserve
Katherine Wallace, Associate Planner, City of Carmel-by-the-Sea
Megan Dobyns, River School Parent Teacher Organization

Roll Call:

White (Present) and New Director _____TBD -February 26,2025 (Special Meeting)

1. Appearances/Public Comments: *Anyone wishing to address the Committee on a matter not appearing on the agenda may do so now. Public comment shall be limited to 3 minutes per person per topic. No action shall be taken on any item not appearing on the agenda.*

2. Agenda Changes: Any requests to move an item on the agenda will be considered at this time.

None

3. Appointment Of A New Member To the Bridge To Everywhere Committee Will Be Finalized in the Carmel Area Wastewater District February 26, 2025 Board Meeting. The New Member Is _____.

4. Organization of the Committee

The Committee was in consensus to carry this item forward and to defer at this meeting.

General Discussion Items:

5. <u>Schedule of organizations to meet with:</u>

- **Carmel Valley Association Designated Appointee**: *(Barbara Buikema, Patrick Treanor, Greg D'Ambrosio, Laura Bowling)*

  - Discussion about Mission and future deliverables

  President White stated that the District has received a letter of support from the Carmel Valley Association's board and Carmel Residents Association.

- **Carmel Rotary**- Designated Appointee: *(Greg D'Ambrosio)*

  President White stated that a presentation was given to the Carmel Rotary and the Committee will be asking for a letter of support from them. President White would also like for a letter of support after each presentation to a group.

6. Site Clean Up Progress Report:

- Discussion regarding site cleanup progress

Greg D'Ambrosio hoping to establish some sort of a schedule on cleanup beyond what's been done so far. A solution to where to place the materials that the city still wants to retain. But the meeting has not yet occurred with the City.

President White asked Mayor Byrne if he would like to join the Committee. Mayor Byrne stated that he would like to learn more first. Greg D'Ambrosio requested if a date and time certain could be set to discuss questions.

Sam Farr stated that we must have clean title and site cleanup before any grant award from the Coastal Conservancy.

Sam Farr stated the land is in a riparian zone and it is very limited, and is designated as a park in all legal documents.

Mayor Byrne stated that the goal is to move projects like this forward, so we can make progress on other projects. Mayor Byrne will try and setup a meeting after the next council meeting, which is the 3rd and 4th, so maybe the following week.

7. BTE Outreach: Designate(s) listed below

- General Informational Flyer - Review by all committee members
- Neighborhood –

  Paul Bartow stated that this communication is being worked on. There is some concern about parking if that area becomes a park or pickle ball.

  A meeting with Lance Monosoff will occur Friday at 1 p.m. and Paul Bartow will attend that meeting.

  The outreach is occurring to answer questions that the neighborhood may be having about this area becoming a park.

  Mayor Byrne stated concerns about when change occurs and the need as a city, you help us figure out a way to draw a line through these things. So, there's continuity. So, we do not lose intellectual capital that's been developed over a lot of work. And that happened with this project based on my research, with people

- Carmel Mission - Laura Bowling

  No comments because Ms. Bowling was not at the meeting.

- Coastal Conservancy –Patrick Treanor

  Sam Farr spoke to Trish Chapman at the Coastal Conservancy. Mr. Farr requested that we prepare information demonstrating how much investment has already been spent on the surrounding properties at the Regional Park District, State Parks, Mission Trail, and to the City for trail development. That the Bridge To Everywhere is the project that opens the door all of those properties.

  Mr. Treanor stated, with respect to Regional Parks, that the bridge would connect the Parks District to the ocean, which does not exist now. They currently are receiving $22M through the Coastal Conversancy for their floodplain restoration project. All funds added up is approximately $50M

  Gary Tate stated that the important element is in the commitment/funding in the legal authority of the applicant, which is CAWD. They are going to interested in what right do we have in this critical parcel/real park and resulting lease.

- County of Monterey- Patrick Treanor, Sam Farr, Doug Schmitz

  See comments above

- Monterey Peninsula Regional Parks District -Gary Tate

  See comments above

- State Parks – Patrick Treanor and Doug Schmitz

  See comments above

- Letters of Support-

  President White stated that two letter of support have been received.

- Offices of Federal and State Officials – Sam Farr and Doug Schmitz

  Sam Farr stated that he wants to make a plea to our elected officials, but first we must have a solid ask.

- River School -Paul Bartow

  Paul Bartow stated the parents are in favor of the project. The brochure has been shared with the Parent Teacher Association PTA).

  Greg D'Ambrosio requested that Mr. Bartow obtain a letter of support from the school.

- Other

8. Projected Preliminary and Future Expenditures :

- *Discuss upcoming potential expenditures*

  - **Log debris & Wood Spoils**
  - **Marketing**
  - **Pine Cone Publications**
  - **Radio Announcements**
  - **Public Outreach And General Informational Flyer**
  - **Topes Tree Service**
  - **Logo Copyright**
  - **Title/Easements**
  - **Dusky-footed Woodrat Nesting Site**

9. Communication Received

Greg D'Ambrosio stated that Gary mentioned that he has the Kiwanis tagged for one of 3 dates. Are there any other groups that we want to reach out to?

President White suggested that we reach out and Carmel Chamber of Commerce.

Gary Tate suggested that the Point Lobos group be contacted. Sam Farr will reach out to the Point Lobos group.

Doug Schmitz stated that he and Ken White met with the Mayor Byrne several weeks ago. Mayor Bryne provided some ideas for alternatives within the lease document and Greg and I have been working on that. The lease document is possibly slated to appear on the City Councils April agenda.

Doug Schmitz stated that one of the things that came up when we met was the Mission parking lot, and that may solve parking for both Mission Trail and Rio Park. Mr. Schmitz will discuss this issue with the Carmel Mission.

Mayor Bryne stated that the City attorney is working on a draft lease agreement.

10. **<u>Earth & Arbor Day, April 26, 2025:</u> from 10 a.m. to 2 p.m. at Devendorf Park 6th Mission Street Carmel-by-the-Sea, CA 93923 (attached Flyer)**

Greg D'Ambrosio suggested a petition at the booth explaining the project and request their signature in support of the project.

11. **CLOSED SESSION:** *As permitted by Government Code Section 54956 et seq., the Board of Directors may adjourn to a Closed Session to consider specific matters dealing with litigation, certain personnel matters, real property negotiations, or to confer with the District's Meyers-Milias-Brown representative.*

Conference with Real Property Negotiators:
Government Code section 54956.8
Rio Park, Carmel, CA 93923
Agency Negotiators: (Barbara Buikema, Patrick Treanor, Greg D'Ambrosio, Laura Bowling, Doug Schmitz, Sam Farr)
The negotiators will discuss terms. Price and Terms of Payment
Negotiating Parties: Owner of Rio Park, City of Carmel-by-the-Sea (Chip Rerig, City Administrator)

There was no closed session

The Committee adjourned the meeting at 3:37 p.m.

12. **ADJOURNMENT:** *The next Bridge To Everywhere meeting is typically scheduled for the third Wednesday of the month. The next Bridge To Everywhere meeting will occur on March 19, 2025 at 2:00 p.m. The next regular Board meeting will be held at 9:00 a.m., Thursday, February 27, 2025, in person and via teleconference webinar. The teleconference webinar is hosted through Zoom and you may receive access by visiting our website homepage, www.cawd.org, calling the District office at 831-624-1248 or via email at downstream@cawd.org.*

Clifton Larsen Allen, LLP

January 2025

Independent Accountants'

Report Are Not Available

Will Post In The March 2025 Board Meeting

February 3, 2025

CliftonLarsonAllen LLP
1188 Padre Drive, Ste 101
Salinas, CA 93901

In connection with your engagement to apply agreed-upon procedures to the as described in your Statement of Work dated December 6, 2024, we have outlined the procedures we would like you to complete over cash accounts monthly. The management of Carmel Area Wastewater District is the responsible party for this engagement. For the months ended September 30, 2024, October 31, 2024, November 30, 2024 and December 31, 2024 we confirm, to the best of our knowledge and belief, the following representations made to you during your engagement.

1. We agree and acknowledge that the procedures performed are appropriate for the monitoring of monthly internal controls over certain aspects of the cash process.

2. We have obtained from all necessary parties their agreement to the procedures and acknowledgment that the procedures performed are appropriate for their purposes.

3. We are responsible for the determine of what procedures we would like you to complete over cash accounts monthly.

4. We have disclosed to you all known matters contradicting, or that may contradict, the internal controls over certain cash procedures. and we have disclosed to you all communications from regulatory agencies or others affecting the internal controls over certain cash procedures.

5. There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices.

6. We have provided you with access to all records and information that we believe is relevant to internal controls over certain cash procedures and the agreed-upon procedures.

7. We are not aware of any material misstatements in the cash procedures.

8. There are no material transactions that have not been properly recorded in the accounting records underlying the cash procedures.

9. For purposes of reporting findings, we did not specify a threshold for reporting exceptions.

10. We acknowledge our responsibility for the design and implementation of programs and controls to prevent and detect fraud and noncompliance with laws and regulations relevant to the cash procedures and the agreed-upon procedures.

11. We have no knowledge of any actual, suspected, or alleged fraud or noncompliance with laws or regulations affecting the cash procedures involving management, employees who have significant roles in internal control, or others where the fraud or noncompliance could have an effect on the cash procedures including any communications from employees, former employees, analysts, regulators, or others.

12. We have responded fully to all inquiries made to us by you during the engagement.

13. No events have occurred subsequent to February 3, 2025 that would require adjustment to or modification of the cash procedures.

14. We understand that your report is intended solely for the information and use of Carmel Area Wastewater District management team and is not intended to be, and should not be, used by anyone other than the specified parties. We understand that the purpose of your report is solely to describe the procedures and findings related to the internal controls over certain cash procedures. Accordingly, your report is not suitable for any other purpose.

Signature: DocuSigned by: Barbara Buikema C3C0FED25946466... Title: General Manager

Certificate Of Completion

Envelope Id: E3DBB188-4D29-4856-9A3B-1A10D244BCE8
Status: Completed
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Client Name: Carmel Area Wastewater District
Client Number: A570473
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Certificate Pages: 5
Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
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Minneapolis, MN 55402-1418
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Signer Events	Signature	Timestamp
Barbara Buikema buikema@cawd.org General Manager Carmel Area Wastewater District Security Level: Email, Account Authentication (None)	DocuSigned by: Barbara Buikema C3C0FED25946466...	Sent: 2/4/2025 8:48:36 AM Resent: 2/4/2025 8:49:56 AM Viewed: 2/6/2025 9:51:09 AM Signed: 2/6/2025 9:51:31 AM
	Signature Adoption: Pre-selected Style Using IP Address: 96.76.204.137	

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In Person Signer Events	Signature	Timestamp

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Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	2/4/2025 8:48:37 AM
Envelope Updated	Security Checked	2/4/2025 8:49:55 AM
Certified Delivered	Security Checked	2/6/2025 9:51:09 AM
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Envelope Summary Events	Status	Timestamps
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Payment Events	**Status**	**Timestamps**
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Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact CliftonLarsonAllen LLP:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:
To contact us by email send messages to: BusinessTechnology@CLAconnect.com

To advise CliftonLarsonAllen LLP of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at BusinessTechnology@CLAconnect.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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To request paper copies from CliftonLarsonAllen LLP

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to BusinessTechnology@CLAconnect.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with CliftonLarsonAllen LLP

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to BusinessTechnology@CLAconnect.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify CliftonLarsonAllen LLP as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by CliftonLarsonAllen LLP during the course of your relationship with CliftonLarsonAllen LLP.

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INDEPENDENT ACCOUNTANTS' REPORT

Board of Directors
Carmel Area Wastewater District
Carmel, California

We have performed the procedures enumerated below on the bank records of Carmel Area Wastewater District (CAWD) for the month of December 2024. CAWD's management is responsible for the bank records of CAWD.

The Board of Directors of CAWD have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of review of your bank reconciliations for the intended purpose of providing users with an understanding of the bank records used for the entity. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures we performed, and the associated findings are as follows:

1) For Cash account #3 we agreed the opening and ending balance on the reconciliation report to the County of Monterey Trial Balance Summary.
   a) No exceptions were found as a result of this procedure.
2) For Cash account #6, operating, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
3) For Cash account #7, payroll, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
4) For Cash account #6, we compared the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts).
   a) No exceptions were found as a result of this procedure.
5) For Cash account #6, we compared the payees, the amounts and the check number on the checks and matched it to the payee names, amounts and check numbers appearing in your cash disbursements journal.
   a) The following exceptions to the procedure were found: The following check numbers. on your check register Reconciliation Report did not agree to the check numbers on the Chase Bank Statement, however the payee and amount of check did tie: 6590, 6619, 6632, 6640, 6642, 6649.
6) For the three cash accounts noted above, we matched interbank account transfers.
   a) No exceptions were found as a result of this procedure.

We were engaged by the Board of Directors of CAWD to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an audit or review engagement, the objective of which would be the expression of an opinion or conclusion. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of CAWD and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Board of Directors of CAWD and is not intended to be, and should not be, used by anyone other than this specified party.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Salinas, California
February 3, 2025

CliftonLarsonAllen LLP
CLAconnect.com

INDEPENDENT ACCOUNTANTS' REPORT

Board of Directors
Carmel Area Wastewater District
Carmel, California

We have performed the procedures enumerated below on the bank records of Carmel Area Wastewater District (CAWD) for the month of November 2024. CAWD's management is responsible for the bank records of CAWD.

The Board of Directors of CAWD have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of review of your bank reconciliations for the intended purpose of providing users with an understanding of the bank records used for the entity. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures we performed, and the associated findings are as follows:

1) For Cash account #3 we agreed the opening and ending balance on the reconciliation report to the County of Monterey Trial Balance Summary.
   a) No exceptions were found as a result of this procedure.
2) For Cash account #6, operating, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
3) For Cash account #7, payroll, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
4) For Cash account #6, we compared the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts).
   a) No exceptions were found as a result of this procedure.
5) For Cash account #6, we compared the payees, the amounts and the check number on the checks and matched it to the payee names, amounts and check numbers appearing in your cash disbursements journal.
   a) The following exceptions to the procedure were found: The following check numbers. on your check register Reconciliation Report did not agree to the check numbers on the Chase Bank Statement, however the payee and amount of checks did tie: 6560, 6561, 6563, 6564, 6565, 6566, 6567, 6568, 6569, 6570, 6571, 6572, 6573, 6574, 6575, 6576, 6577, 6578, 6579, 6580, 6581, 6582, 6583, 6584, 6585, 6586, 6587, 6588, 6589, 6591, 6617, 6618, 6620, 6622, 6623, 6624, 6626, 6627, 6628, 6629, 6630, 6631, 6633, 6634, 6635, 6636, 6637, 6638, 6639, 6641, 6643, 6644, 6645, 6646, 6647, 6648, 6650, 6651, 6652, 6654, 6655, 6657.
6) For the three cash accounts noted above, we matched interbank account transfers.
   a) No exceptions were found as a result of this procedure.

We were engaged by the Board of Directors of CAWD to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an audit or review engagement, the objective of which would be the expression of an opinion or conclusion. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of CAWD and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Board of Directors of CAWD and is not intended to be, and should not be, used by anyone other than this specified party.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Salinas, California
February 3, 2025

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INDEPENDENT ACCOUNTANTS' REPORT

Board of Directors
Carmel Area Wastewater District
Carmel, California

We have performed the procedures enumerated below on the bank records of Carmel Area Wastewater District (CAWD) for the month of October 2024. CAWD's management is responsible for the bank records of CAWD.

The Board of Directors of CAWD have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of review of your bank reconciliations for the intended purpose of providing users with an understanding of the bank records used for the entity. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures we performed, and the associated findings are as follows:

1) Procedure: For Cash account #3 we agreed the opening and ending balance on the reconciliation report to the County of Monterey Trial Balance Summary.
   a) No exceptions were found as a result of this procedure.
2) Procedure: For Cash account #6, operating, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
3) Procedure: For Cash account #7, payroll, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
4) Procedure: For Cash account #6, we compared the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts).
   a) No exceptions were found as a result of this procedure.
5) Procedure: For Cash account #6, we compared the payees, the amounts and the check number on the checks and matched it to the payee names, amounts and check numbers appearing in your cash disbursements journal.
   a) The following exceptions to the procedure were found: Check No. 6395 in the amount of $17,421.08 on your Chase O&M account was payable to Univar Solutions USA, Inc. On the bank statement, check No. 6395 in the amount of $17,421.08 was payable to Courtney Dillard.
6) Procedure: For the three cash accounts noted above, we matched interbank account transfers.
   a) No exceptions were found as a result of this procedure.

We were engaged by the Board of Directors of CAWD to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an audit or review engagement, the objective of which would be the expression of an opinion or conclusion. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of CAWD and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Board of Directors of CAWD and is not intended to be, and should not be, used by anyone other than this specified party.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Salinas, California
February 3, 2025

CliftonLarsonAllen LLP
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INDEPENDENT ACCOUNTANTS' REPORT

Board of Directors
Carmel Area Wastewater District
Carmel, California

We have performed the procedures enumerated below on the bank records of Carmel Area Wastewater District (CAWD) for the month of September 2024. CAWD's management is responsible for the bank records of CAWD.

The Board of Directors of CAWD have agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of review of your bank reconciliations for the intended purpose of providing users with an understanding of the bank records used for the entity. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures we performed, and the associated findings are as follows:

1) Procedure: For Cash account #3 we agreed the opening and ending balance on the reconciliation report to the County of Monterey Trial Balance Summary.
   a) No exceptions were found as a result of this procedure.
2) Procedure: For Cash account #6, operating, we agreed opening and ending balance on reconciliation report to Chase bank statement.
   a) No exceptions were found as a result of this procedure.
3) Procedure: For Cash account #7, payroll, we agreed opening and ending balance on reconciliation report to Chase bank statement
   a) No exceptions were found as a result of this procedure.
4) Procedure: For Cash account #6, we compared the signatures on each check and compared them to a copy of the signature card on file with your bank to determine if the correct authorized people have signed the checks (we are not handwriting or forgery experts).
   a) The following exceptions to the procedure were found: Check No. 6237 payable to Klir, Inc. for $15,000 only had one signature.
5) Procedure: For Cash account #6, we compared the payees, the amounts and the check number on the checks and matched it to the payee names, amounts and check numbers appearing in your cash disbursements journal.
   a) The following exceptions to the procedure were found: Check No.4241888 was not on your cash disbursements journal. This check was reversed by the bank.
6) Procedure: For the three cash accounts noted above, we matched interbank account transfers.
   a) No exceptions were found as a result of this procedure.

We were engaged by the Board of Directors of CAWD to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an audit or review engagement, the objective of which would be the expression of an opinion or conclusion. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of CAWD and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Board of Directors of CAWD and is not intended to be, and should not be, used by anyone other than this specified party.

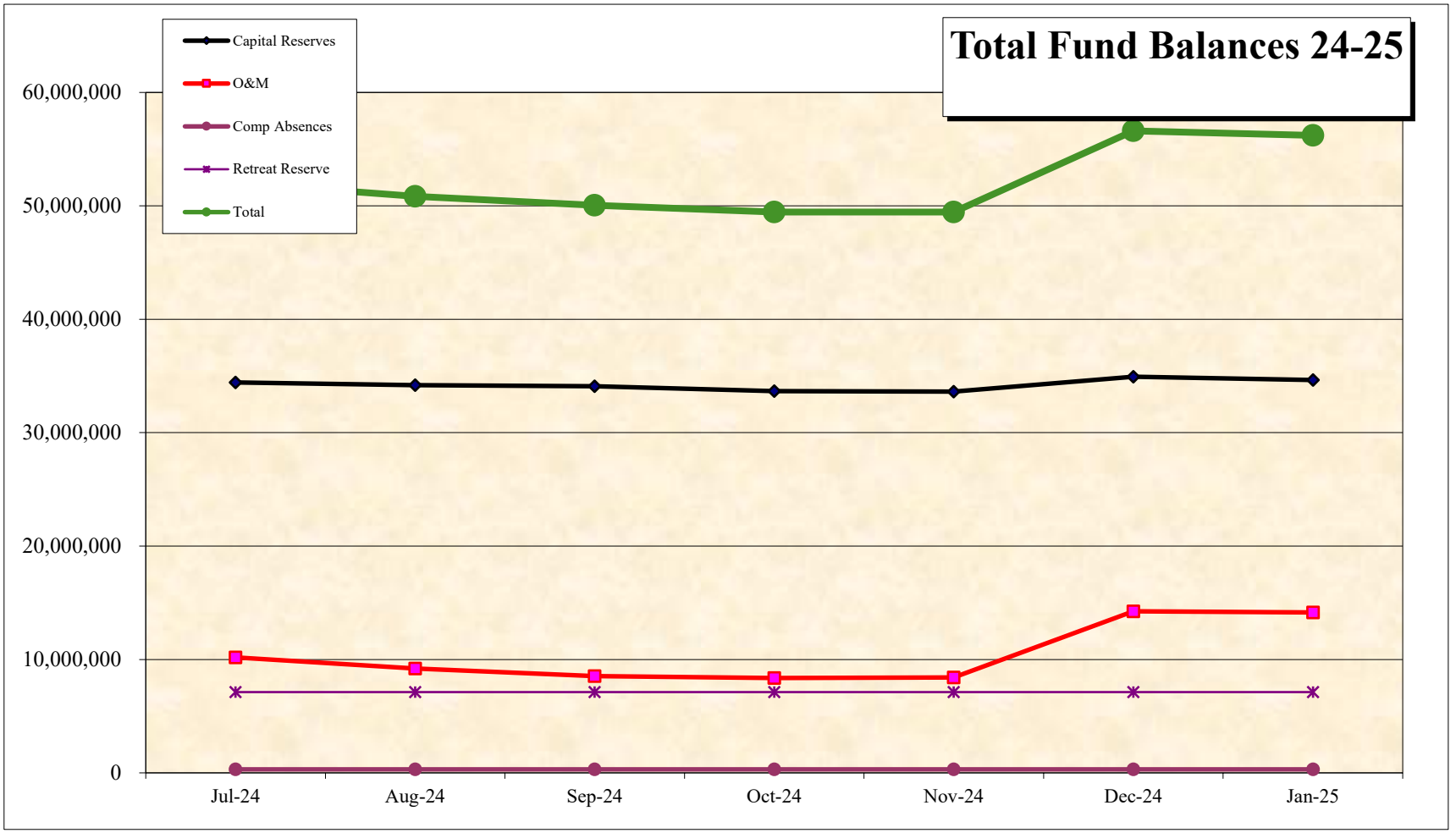
CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

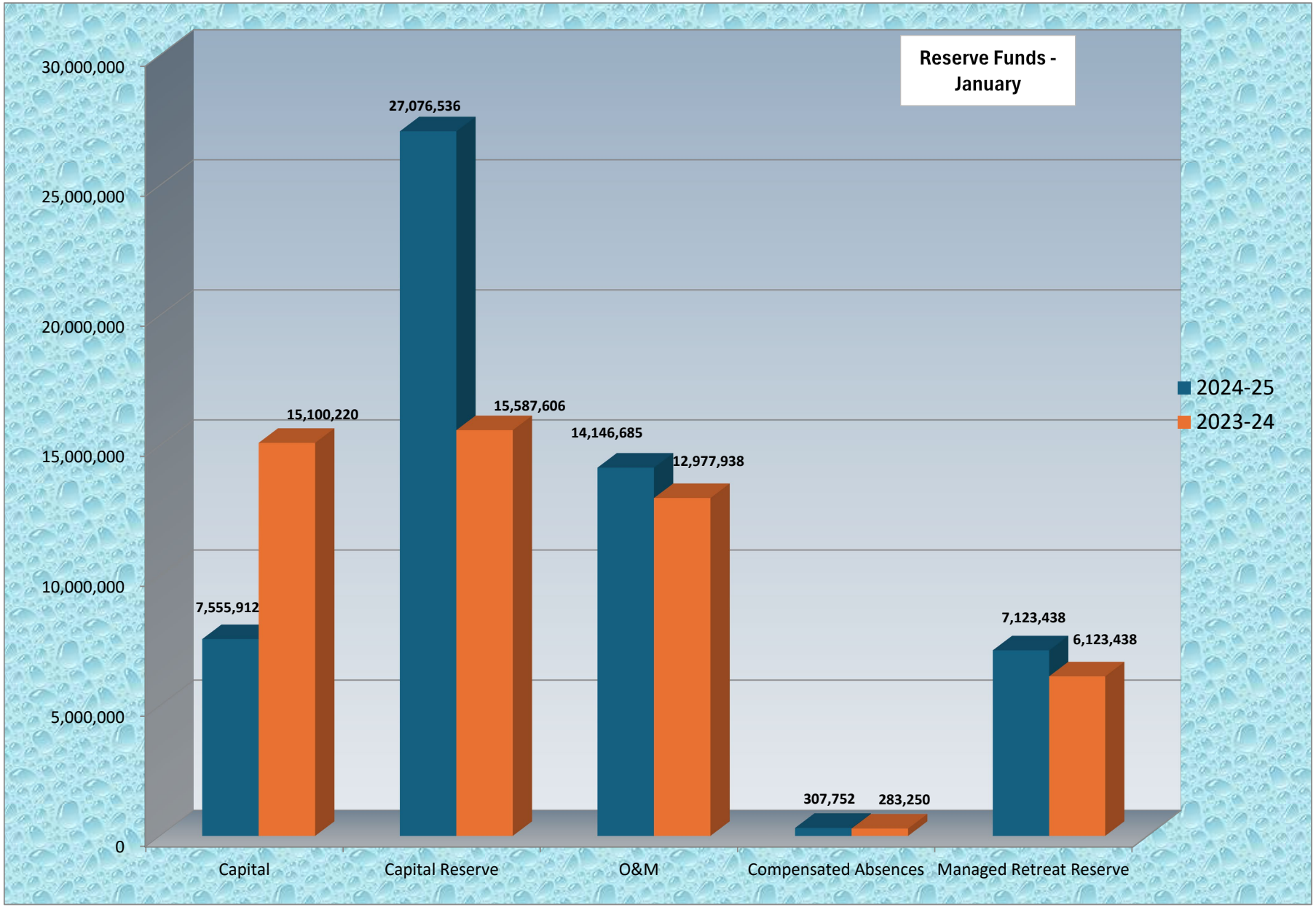
Salinas, California
February 3, 2025

Carmel Area Wastewater District
Schedule of Cash Receipts and Disbursements - JANUARY 2025

	Capital Fund	Capital Improvement Reserve	General O & M Fund	Compensated Accruals Reserve	Defend or Managed Retreat Reserve	COUNTY Total Fund Balance	Chase Bank O & M Balance	Chase Bank PR Balance	L.A.I.F. Balance
BALANCE BEGINNING OF MONTH	$7,856,023	$27,076,536	$14,246,625	$307,752	$7,123,438	$56,610,373	$409,300	$9,380	$1,294,947
Receipts:									
User Fees			415,888						
Property Taxes	71,212								
PBCSD Treatment Fees							230,000		
Reclamation O & M reimbursement							119,407		
Reclamation capital billing									
Permits							2,340		
PBCSD capital billing									
Other misc. revenue							5,771		
Interest income			312,849						15,061
CCLEAN receipts							138,203		
Carmel Valley Manor repayment fees							139,370		
Void checks-replace Highlands checks							8,635		
GovDeals-sale of old truck							5,400		
Brine disposal fees							13,116		
CRFREE Project grant funds							12,283		
Connection fees							44,153		
SJSU grant receipts-Applied Marine Sciences							3,454		
Total Receipts	71,212	0	728,737	0	0	799,949	722,132	0	15,061
Fund Transfers:									
Transfers to Chase Bank O&M	(371,323)		(828,677)				1,200,000		
Transfers to Chase Bank PR							(280,000)	280,000	
Transfer to Defend or Managed Retreat Fund									
Intra-fund transfers for capital expenditures									
Rebalance Capital and O&M Reserves									
Total Transfers	(371,323)	0	(828,677)	0	0	(1,200,000)	920,000	280,000	0
Disbursements:									
Operations and capital							767,252		
Payroll & payroll taxes								279,445	
Employee Dental reimbursements							3,115		
CALPERS EFT							46,220		
CAWD SAM pension EFT							0		
Union dues EFT							761		
Home Depot EFT							1,260		
US Bank EFT							8,916		
Deferred comp contributions EFT							13,300		
PEHP contributions EFT							3,739		
Bank/ADP fees							5	980	
CALPERS SSA 218 Annual Fee							110		
Annual County admin billing fee							0		
GASB 68 report fee							0		
Unfunded CALPERS liabilities							0		
Total Disbursements	0	0	0	0	0	0	844,678	280,425	0
BALANCE END OF MONTH	7,555,912	27,076,536	14,146,685	307,752	7,123,438	**56,210,322**	**1,206,754**	**8,956**	**1,310,008**



Capital Reserve + O&M + O&M Reserve + Compensated Absences Reserve = Total Fund held in County


Reserve Funds - January
30,000,000
25,000,000
20,000,000
15,000,000
10,000,000
5,000,000
0
2024-25
2023-24
7,555,912
15,100,220
27,076,536
15,587,606
14,146,685
12,977,938
307,752
283,250
7,123,438
6,123,438
Capital
Capital Reserve
O&M
Compensated Absences
Managed Retreat Reserve

Carmel Area Wastewater District
Disbursements
Jan-25

Date	Check	Vendor	Description	Amount
01/07/25	6812	ADP, Inc.	Workforce Now Essential Time and Attendance fee	106.95
01/07/25	6813	Amazon Capital Services	Operating and office supplies	1,063.99
01/07/25	6814	ATTN Flex Account Administration	Flex account payments	1,535.60
01/07/25	6815	American Fidelity Assurance	Employee insurance premiums	574.98
01/07/25	6816	Applied Marine Sciences, Inc.	October ocean monitoring expenses	61,223.62
01/07/25	6817	AT&T Mobility	SCADA text modem	71.20
01/07/25	6818	AT&T CALNET 3	Admin alarm	41.49
01/07/25	6819	AT&T	IP card	38.80
01/07/25	6820	California American Water	Monthly service	1,061.60
01/07/25	6821	California Special Districts Association	2025 annual dues	9,627.00
01/07/25	6822	Cintas Corporation	Laundry service	1,811.85
01/07/25	6823	Core & Main LP	Pipe for CDC repair	833.87
01/07/25	6824	County of Mo. Sheriff's Office Alarm Unit	Annual alarm permit	31.00
01/07/25	6825	CSRMA	2025 Annual Pooled Liability premium	133,724.00
01/07/25	6826	Culligan Water Conditioning	C&I exchange tank for lab	17.65
01/07/25	6827	Daryl Lauer	Dental	185.00
01/07/25	6828	Datco Services Corporation	Quarterly service fees	96.75
01/07/25	6829	Direct TV	Monthly service	107.24
01/07/25	6830	Domine Barringer	Vison copays	50.00
01/07/25	6831	Equitable Financial Life Insurance	Life insurance, long-term and short-term disability premiums	2,402.68
01/07/25	6832	First Alarm	Quarterly service fees	671.97
01/07/25	6833	Firato Service Co.	Plant and admin gardening	1,796.00
01/07/25	6834	Got.Net	Domain parking	4.20
01/07/25	6835	**OVERFLOW STUB**		0.00
01/07/25	6836	Grainger	Operating and office supplies	2,214.30
01/07/25	6837	Mark & Susan Stillwell	Refund of user fee for hotel	4,319.60
01/07/25	6838	Mark Dias	Dental	257.00
01/07/25	6839	Microgenics Corporation	Lab supplies	1,015.59
01/07/25	6840	Monterey County	2025 Blanket Encroachment Permit	3,588.57
01/07/25	6841	Peninsula Welding & Medical Supply	Non-liquid cylinders and compressed nitrogen	86.40
01/07/25	6842	Pacific Gas & Electric	Monthly service	7,823.23

Carmel Area Wastewater District
Disbursements
Jan-25

Date	Check	Vendor	Description	Amount
01/07/25	6843	Polydyne Inc.	Clarifloc WE-2702 polymer	7,028.06
01/07/25	6844	REXEL	Operating supplies	487.33
01/07/25	6845	Shape Incorporated	Repair kit, cooling steel jacket and flow steel coated diffuser	5,974.47
01/07/25	6846	Simrandeep Singh	Employee work boots	185.51
01/07/25	6847	SmartCover Systems	Annual warranty renewal for collection system capacity monitoring	13,520.66
01/07/25	6848	Streamline	Website maintenance	497.00
01/07/25	6849	Vision Service Plan	Vision insurance	523.25
01/07/25	6850	WM Corporate Services	Plant rolloffs and admin garbage	296.62
01/07/25	6851	YSS Builders	Install patch panels and fix faucet at admin; fix roof leak at Plant	4,667.00
01/15/25	6852	Amazon Capital Services	Operating and office supplies	446.06
01/15/25	6853	AT&T Mobility	Cell service	926.94
01/15/25	6854	Bruce D & Heather J Smith TRS	Refund of Highlands bond charges for 2024-25	2,158.67
01/15/25	6855	Burleson Consulting, Inc.	Vactor Station project #22-06 **(CAPITAL)**	5,079.53
01/15/25	6856	California American Water	Monthly service	123.01
01/15/25	6857	California Boiler	Preventative maintenance on boiler	6,414.29
01/15/25	6858	Christopher Dixon	Dental	700.00
01/15/25	6859	Christopher Foley	Dental	492.00
01/15/25	6860	Comcast	Pump station internet	537.00
01/15/25	6861	Core & Main LP	Valve and diffuser and anti-cavitation field kit	9,663.35
01/15/25	6862	Cypress Coast Ford Lincoln	Vehicle repair part	28.46
01/15/25	6863	**VOID**		0.00
01/15/25	6864	Daryl Lauer	Dental	1,480.80
01/15/25	6865	Enterprise Automation	Artificial Intelligence Pilot Project #24-03 **(CAPITAL)**	2,930.00
01/15/25	6866	Exceedio	Artificial Intelligence Pilot Project #24-03 **(CAPITAL)**	658.87
01/15/25	6867	Fisher Scientific	Lab supplies	1,159.48
01/15/25	6868	Grainger	Fall protection harness	439.94
01/15/25	6869	ICON Cloud Solutions, LLC	Monthly telephone service	562.49
01/15/25	6870	Integral Consulting Inc.	CRFREE Mitigation Pipeline Undergrounding project #19-21	1,122.50
01/15/25	6871	Jack S & Jan M Rothacker	Refund of Highlands bond charges for 2024-25	2,158.67
01/15/25	6872	Joshua Bleibtreu TR et al	Refund of Highlands bond charges for 2024-25	2,158.67
01/15/25	6873	Justifacts Credential Verification, Inc.	New employee report	182.84

Carmel Area Wastewater District
Disbursements
Jan-25

Date	Check	Vendor	Description	Amount
01/15/25	6874	MBS Business Systems	Admin copier billing	1,999.98
01/15/25	6875	McMaster-Carr	Operating supplies	1,166.28
01/15/25	6876	Mission Communications, LLC	Annual fee for manhole N602 monitoring	227.40
01/15/25	6877	Municipal Maintenance Equipment	Collection operating supplies	3,887.81
01/15/25	6878	National Auto Fleet Group	2024 Freightliner Pipehunter truck **(CAPITAL)**	302,013.28
01/15/25	6879	Ninyo & Moore	Vactor Station project #22-06 **(CAPITAL)**	2,575.25
01/15/25	6880	OnPoint Generators, Inc.	Membrane with cable ribbon	223.69
01/15/25	6881	Patelco Credit Union	Health Savings Account contributions	6,040.46
01/15/25	6882	Paul Mountford	Refund of Highlands bond charges for 2024-25	2,158.67
01/15/25	6883	Pacific Gas & Electric	Monthly service	35,014.78
01/15/25	6884	Polydyne Inc.	Clarifloc WE-2702 polymer	21,802.40
01/15/25	6885	Pure Water	Plant and admin water	198.19
01/15/25	6886	Quill LLC	Office supplies	389.31
01/15/25	6887	Quinn Company	Troubleshoot generator	322.50
01/15/25	6888	Rental Depot	Rent lift for 8th and Scenic	345.00
01/15/25	6889	RJMS Corporation	Two new electric carts **(CAPITAL)**	45,480.86
01/15/25	6890	Scarborough Lumber & Building	Operating supplies	387.24
01/15/25	6891	SSB Construction	Ops building roof repair **(CAPITAL)**	12,585.00
01/15/25	6892	Star Sanitation LLC	Portable toilet for Collections	97.20
01/15/25	6893	State Water Resources Control Board	Annual NPDES SW Industrial Issued IGO permit	1,873.00
01/15/25	6894	Synagro Technologies	Sludge hauling	12,066.88
01/15/25	6895	Toro Petroleum Corp.	Gasoline and diesel	7,202.17
01/15/25	6896	Town & Country Gardening	Plant and admin gardening	700.00
01/15/25	6897	Unison Solutions, Inc.	Gas Sample Analysis kit	2,020.00
01/15/25	6898	Universal Staffing	Admin temp service	363.00
01/15/25	6899	USA Blue Book	Operating supplies	144.31
01/15/25	6900	Visual Edge IT, Inc.	Plant copier billing	96.77
				770,367.03

CAWD/PBCSD Reclamation Project
Disbursements
Jan-25

Date	Check	Vendor	Description	Amount
01/07/25	1571	Cal-Am Water Company	Hydrant meter K	3,114.74
01/07/25	1572	Carmel Area Wastewater District	Sodium bisulfate and hypochlorite reimbursement	28,184.55
01/07/25	1573	Kennedy/Jenks Consultants	Asset Analysis and Master Plan Project #22-05 **(CAPITAL)**	33,267.50
01/07/25	1574	Microgenics Corporation	Lab supplies	1,015.59
01/07/25	1575	Pebble Beach Company	O&M reimbursement	4,899.81
01/07/25	1576	Pebble Beach Community Services District	O&M reimbursement	24,399.87
01/07/25	1577	Pacific Gas & Electric	Tertiary billing	19,124.01
01/07/25	1578	Polydyne Inc.	Clarifloc WE-2702 polymer	4,360.48
01/07/25	1579	The Pun Group, LLP	Audit fee	13,526.00
01/07/25	1580	T & T Valve and Instrument, Inc.	Stainless steel check valves and wafer check valves	30,446.84
01/07/25	1581	Wells Fargo Advisors	Transfer to capital reserves	44,000.00
01/07/25	1582	Winsupply Monterey County	FXF spool cement lined & bit coated and pvc pipe and gaskets	4,919.60
01/07/25	1583	YSS Builders	Network cables and wiring to control panes in RO building	9,038.00
01/15/25	1584	Brenntag Pacific, Inc.	Brennfloc RE 5000 polymer	12,892.35
01/15/25	1585	Carmel Area Wastewater District	O&M reimbursement	91,221.95
01/15/25	1586	Fisher Scientific	Lab supplies	996.80
01/15/25	1587	Harrington Industrial Plastics, LLC	Operating supplies	1,351.96
01/15/25	1588	Pacific Gas & Electric	MF/RO billing	34,832.88
01/15/25	1589	Polydyne Inc.	Clarifloc WE-2702 polymer	4,360.48
01/15/25	1590	ProActive Water Service	Pulsation Dampener and piping supplies	2,716.85
01/15/25	1591	Trussell Technologies	MF/RO Ops Support engineering	1,755.00
01/15/25	1592	USA Blue Book	Lab supplies	144.31
				370,569.57

Financial Statements and Supplementary Schedules

January 2025

February 27, 2025

Carmel Area Wastewater District
Balance Sheet

January 2025

	ASSETS		
Current Assets			
Cash			
Cash	58,736,039.98		
TOTAL Cash		58,736,039.98	
Other Current Assets			
Other Current Assets	344,808.82		
TOTAL Other Current Assets		344,808.82	
TOTAL Current Assets			59,080,848.80
Fixed Assets			
Land			
Land	308,059.76		
TOTAL Land		308,059.76	
Treatment Structures			
Treatment Structures	70,577,110.33		
TOTAL Treatment Structures		70,577,110.33	
Treatment Equipment			
Treatment Equipment	9,859,224.19		
TOTAL Treatment Equipment		9,859,224.19	
Collection Structures			
Collection Structures	1,309,190.64		
TOTAL Collection Structures		1,309,190.64	
Collection Equipment			
Collection Equipment	1,799,392.70		
TOTAL Collection Equipment		1,799,392.70	
Sewers		16,166,027.91	
Disposal Facilities			
Disposal Facilities	1,643,890.85		
TOTAL Disposal Facilities		1,643,890.85	
Other Fixed Assets			
Other Fixed Assets	4,742,835.92		
TOTAL Other Fixed Assets		4,742,835.92	
Capital Improvement Projects			
Capital Improvement Projects	12,674,642.11		
TOTAL Capital Improvement Projects		12,674,642.11	
Accumulated depreciation		(62,381,284.34)	
TOTAL Fixed Assets			56,699,090.07
Other Assets			
Other Assets		4,584,609.42	
TOTAL Other Assets			4,584,609.42
TOTAL ASSETS			120,364,548.29

Carmel Area Wastewater District
Balance Sheet

January 2025

LIABILITIES		
Current Liabilities		
Current Liabilities	1,016,255.91	
TOTAL Current Liabilities		1,016,255.91
Long-Term Liabilities		
Long Term Liabilities	1,409,638.41	
TOTAL Long-Term Liabilities		1,409,638.41
TOTAL LIABILITIES		2,425,894.32
NET POSITION		
Net Assets	113,604,348.14	
Year-to-Date Earnings	4,334,305.83	
TOTAL NET POSITION		117,938,653.97
TOTAL LIABILITIES & NET POSITION		120,364,548.29

Carmel Area Wastewater District
Income Statement-Actual to Budget
Year-to-Date Variance, January 2025 - current month, Consolidated by account

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
Income				
Revenue	7,436,093.27	7,322,800.00	113,293.27	1.5 %
TOTAL Income	7,436,093.27	7,322,800.00	113,293.27	1.5 %
Adjustments				
Discounts	52.00	0.00	52.00	
TOTAL Adjustments	52.00	0.00	52.00	
******	7,436,145.27	7,322,800.00	113,345.27	1.5 %
****** OPERATING INCOME	7,436,145.27	7,322,800.00	113,345.27	1.5 %
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	2,570,575.82	2,789,750.00	219,174.18	7.9 %
TOTAL Salaries and Payroll Taxes	2,570,575.82	2,789,750.00	219,174.18	7.9 %
Employee Benefits				
Employee Benefits	543,115.37	358,207.00	(184,908.37)	-51.6 %
TOTAL Employee Benefits	543,115.37	358,207.00	(184,908.37)	-51.6 %
Director's Expenses				
Director's Expenses	22,928.22	17,300.00	(5,628.22)	-32.5 %
TOTAL Director's Expenses	22,928.22	17,300.00	(5,628.22)	-32.5 %
Truck and Auto Expenses				
Truck and Auto Expenses	56,407.35	52,489.00	(3,918.35)	-7.5 %
TOTAL Truck and Auto Expenses	56,407.35	52,489.00	(3,918.35)	-7.5 %
General and Administrative				
General and Administrative	409,221.53	397,199.00	(12,022.53)	-3.0 %
TOTAL General and Administrative	409,221.53	397,199.00	(12,022.53)	-3.0 %
Office Expense				
Office Expense	103,776.82	77,195.00	(26,581.82)	-34.4 %
TOTAL Office Expense	103,776.82	77,195.00	(26,581.82)	-34.4 %
Operating Supplies				
Operating Supplies	338,365.27	342,850.00	4,484.73	1.3 %
TOTAL Operating Supplies	338,365.27	342,850.00	4,484.73	1.3 %
Contract Services				
Contract Services	760,378.92	701,280.00	(59,098.92)	-8.4 %
TOTAL Contract Services	760,378.92	701,280.00	(59,098.92)	-8.4 %

Carmel Area Wastewater District
Income Statement-Actual to Budget
Year-to-Date Variance, January 2025 - current month, Consolidated by account

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
Repairs and Maintenance				
Repairs and Maintenance	399,670.39	345,230.00	(54,440.39)	-15.8 %
TOTAL Repairs and Maintenance	399,670.39	345,230.00	(54,440.39)	-15.8 %
Utilities				
Utilities	228,973.18	236,115.00	7,141.82	3.0 %
TOTAL Utilities	228,973.18	236,115.00	7,141.82	3.0 %
Travel and Meetings				
Travel and Meetings	20,136.12	20,060.00	(76.12)	-0.4 %
TOTAL Travel and Meetings	20,136.12	20,060.00	(76.12)	-0.4 %
Permits and Fees				
Permits and Fees	66,082.84	76,300.00	10,217.16	13.4 %
TOTAL Permits and Fees	66,082.84	76,300.00	10,217.16	13.4 %
Memberships and Subscriptions				
Memberships and Subscriptions	55,613.69	38,900.00	(16,713.69)	-43.0 %
TOTAL Memberships and Subscriptions	55,613.69	38,900.00	(16,713.69)	-43.0 %
Safety				
Safety	37,420.40	37,400.00	(20.40)	-0.1 %
TOTAL Safety	37,420.40	37,400.00	(20.40)	-0.1 %
Other Expenses				
Other Expense	39,501.36	13,800.00	(25,701.36)	-186.2 %
TOTAL Other Expenses	39,501.36	13,800.00	(25,701.36)	-186.2 %
TOTAL Operating Expenses	5,652,167.28	5,504,075.00	(148,092.28)	-2.7 %
****** OPERATING INCOME (LOSS)	1,783,977.99	1,818,725.00	(34,747.01)	-1.9 %
Non-op Income, Expense, Gain or Loss				
Other Income or Gain				
Other Income, Gain, Expense and Loss	2,550,327.84	2,522,200.00	28,127.84	1.1 %
TOTAL Other Income or Gain	2,550,327.84	2,522,200.00	28,127.84	1.1 %
TOTAL Non-op Income, Expense, Gain or Loss	2,550,327.84	2,522,200.00	28,127.84	1.1 %
****** NET INCOME (LOSS)	4,334,305.83	4,340,925.00	(6,619.17)	-0.2 %
****** NET INCOME (LOSS)	4,334,305.83	4,340,925.00	(6,619.17)	-0.2 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Collections
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 5

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
******	0.00	0.00	0.00	
****** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	584,285.96	552,450.00	(31,835.96)	-5.8 %
TOTAL Salaries and Payroll Taxes	584,285.96	552,450.00	(31,835.96)	-5.8 %
Employee Benefits				
Employee Benefits	130,704.26	137,847.00	7,142.74	5.2 %
TOTAL Employee Benefits	130,704.26	137,847.00	7,142.74	5.2 %
Truck and Auto Expenses				
Truck and Auto Expenses	51,014.12	48,728.00	(2,286.12)	-4.7 %
TOTAL Truck and Auto Expenses	51,014.12	48,728.00	(2,286.12)	-4.7 %
General and Administrative				
General and Administrative	111,860.50	106,747.00	(5,113.50)	-4.8 %
TOTAL General and Administrative	111,860.50	106,747.00	(5,113.50)	-4.8 %
Office Expense				
Office Expense	28,303.50	16,800.00	(11,503.50)	-68.5 %
TOTAL Office Expense	28,303.50	16,800.00	(11,503.50)	-68.5 %
Operating Supplies				
Operating Supplies	46,466.68	50,400.00	3,933.32	7.8 %
TOTAL Operating Supplies	46,466.68	50,400.00	3,933.32	7.8 %
Contract Services				
Contract Services	244,725.02	207,200.00	(37,525.02)	-18.1 %
TOTAL Contract Services	244,725.02	207,200.00	(37,525.02)	-18.1 %
Repairs and Maintenance				
Repairs and Maintenance	163,006.33	116,000.00	(47,006.33)	-40.5 %
TOTAL Repairs and Maintenance	163,006.33	116,000.00	(47,006.33)	-40.5 %
Utilities				
Utilities	32,125.58	26,525.00	(5,600.58)	-21.1 %
TOTAL Utilities	32,125.58	26,525.00	(5,600.58)	-21.1 %
Travel and Meetings				
Travel and Meetings	4,283.54	4,250.00	(33.54)	-0.8 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Collections
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 5

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
TOTAL Travel and Meetings	4,283.54	4,250.00	(33.54)	-0.8 %
Permits and Fees				
Permits and Fees	10,277.88	9,600.00	(677.88)	-7.1 %
TOTAL Permits and Fees	10,277.88	9,600.00	(677.88)	-7.1 %
Memberships and Subscriptions				
Memberships and Subscriptions	2,854.29	2,600.00	(254.29)	-9.8 %
TOTAL Memberships and Subscriptions	2,854.29	2,600.00	(254.29)	-9.8 %
Safety				
Safety	14,774.97	16,900.00	2,125.03	12.6 %
TOTAL Safety	14,774.97	16,900.00	2,125.03	12.6 %
Other Expenses				
Other Expense	5,489.75	200.00	(5,289.75)	-2644.9 %
TOTAL Other Expenses	5,489.75	200.00	(5,289.75)	-2644.9 %
TOTAL Operating Expenses	1,430,172.38	1,296,247.00	(133,925.38)	-10.3 %
****** OPERATING INCOME (LOSS)	(1,430,172.38)	(1,296,247.00)	(133,925.38)	-10.3 %
****** NET INCOME (LOSS)	(1,430,172.38)	(1,296,247.00)	(133,925.38)	-10.3 %
****** NET INCOME (LOSS)	(1,430,172.38)	(1,296,247.00)	(133,925.38)	-10.3 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Treatment
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 6

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
******	0.00	0.00	0.00	
****** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	1,209,723.30	1,512,900.00	303,176.70	20.0 %
TOTAL Salaries and Payroll Taxes	1,209,723.30	1,512,900.00	303,176.70	20.0 %
Employee Benefits				
Employee Benefits	332,672.49	132,925.00	(199,747.49)	-150.3 %
TOTAL Employee Benefits	332,672.49	132,925.00	(199,747.49)	-150.3 %
Truck and Auto Expenses				
Truck and Auto Expenses	4,870.04	3,361.00	(1,509.04)	-44.9 %
TOTAL Truck and Auto Expenses	4,870.04	3,361.00	(1,509.04)	-44.9 %
General and Administrative				
General and Administrative	238,140.75	222,062.00	(16,078.75)	-7.2 %
TOTAL General and Administrative	238,140.75	222,062.00	(16,078.75)	-7.2 %
Office Expense				
Office Expense	37,829.41	33,195.00	(4,634.41)	-14.0 %
TOTAL Office Expense	37,829.41	33,195.00	(4,634.41)	-14.0 %
Operating Supplies				
Operating Supplies	287,675.11	290,500.00	2,824.89	1.0 %
TOTAL Operating Supplies	287,675.11	290,500.00	2,824.89	1.0 %
Contract Services				
Contract Services	439,877.86	429,465.00	(10,412.86)	-2.4 %
TOTAL Contract Services	439,877.86	429,465.00	(10,412.86)	-2.4 %
Repairs and Maintenance				
Repairs and Maintenance	230,390.84	221,830.00	(8,560.84)	-3.9 %
TOTAL Repairs and Maintenance	230,390.84	221,830.00	(8,560.84)	-3.9 %
Utilities				
Utilities	183,339.11	193,450.00	10,110.89	5.2 %
TOTAL Utilities	183,339.11	193,450.00	10,110.89	5.2 %
Travel and Meetings				
Travel and Meetings	10,380.45	10,410.00	29.55	0.3 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Treatment
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 6

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
TOTAL Travel and Meetings	10,380.45	10,410.00	29.55	0.3 %
Permits and Fees				
Permits and Fees	33,323.40	34,700.00	1,376.60	4.0 %
TOTAL Permits and Fees	33,323.40	34,700.00	1,376.60	4.0 %
Memberships and Subscriptions				
Memberships and Subscriptions	9,185.53	9,000.00	(185.53)	-2.1 %
TOTAL Memberships and Subscriptions	9,185.53	9,000.00	(185.53)	-2.1 %
Safety				
Safety	20,633.50	20,300.00	(333.50)	-1.6 %
TOTAL Safety	20,633.50	20,300.00	(333.50)	-1.6 %
Other Expenses				
Other Expense	20,877.16	0.00	(20,877.16)	
TOTAL Other Expenses	20,877.16	0.00	(20,877.16)	
TOTAL Operating Expenses	3,058,918.95	3,114,098.00	55,179.05	1.8 %
****** OPERATING INCOME (LOSS)	(3,058,918.95)	(3,114,098.00)	55,179.05	1.8 %
****** NET INCOME (LOSS)	(3,058,918.95)	(3,114,098.00)	55,179.05	1.8 %
****** NET INCOME (LOSS)	(3,058,918.95)	(3,114,098.00)	55,179.05	1.8 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Admin.
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 7

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
******	0.00	0.00	0.00	
****** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	335,944.89	360,100.00	24,155.11	6.7 %
TOTAL Salaries and Payroll Taxes	335,944.89	360,100.00	24,155.11	6.7 %
Employee Benefits				
Employee Benefits	79,738.62	87,435.00	7,696.38	8.8 %
TOTAL Employee Benefits	79,738.62	87,435.00	7,696.38	8.8 %
Director's Expenses				
Director's Expenses	22,928.22	16,950.00	(5,978.22)	-35.3 %
TOTAL Director's Expenses	22,928.22	16,950.00	(5,978.22)	-35.3 %
Truck and Auto Expenses				
Truck and Auto Expenses	523.19	400.00	(123.19)	-30.8 %
TOTAL Truck and Auto Expenses	523.19	400.00	(123.19)	-30.8 %
General and Administrative				
General and Administrative	59,220.28	68,390.00	9,169.72	13.4 %
TOTAL General and Administrative	59,220.28	68,390.00	9,169.72	13.4 %
Office Expense				
Office Expense	37,419.66	27,200.00	(10,219.66)	-37.6 %
TOTAL Office Expense	37,419.66	27,200.00	(10,219.66)	-37.6 %
Operating Supplies				
Operating Supplies	1,079.46	1,250.00	170.54	13.6 %
TOTAL Operating Supplies	1,079.46	1,250.00	170.54	13.6 %
Contract Services				
Contract Services	75,089.35	63,905.00	(11,184.35)	-17.5 %
TOTAL Contract Services	75,089.35	63,905.00	(11,184.35)	-17.5 %
Repairs and Maintenance				
Repairs and Maintenance	4,871.56	4,600.00	(271.56)	-5.9 %
TOTAL Repairs and Maintenance	4,871.56	4,600.00	(271.56)	-5.9 %
Utilities				
Utilities	13,508.49	16,140.00	2,631.51	16.3 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Admin.
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 7

	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
TOTAL Utilities	13,508.49	16,140.00	2,631.51	16.3 %
Travel and Meetings				
Travel and Meetings	5,419.88	5,400.00	(19.88)	-0.4 %
TOTAL Travel and Meetings	5,419.88	5,400.00	(19.88)	-0.4 %
Permits and Fees				
Permits and Fees	22,481.56	32,000.00	9,518.44	29.7 %
TOTAL Permits and Fees	22,481.56	32,000.00	9,518.44	29.7 %
Memberships and Subscriptions				
Memberships and Subscriptions	43,311.37	27,300.00	(16,011.37)	-58.6 %
TOTAL Memberships and Subscriptions	43,311.37	27,300.00	(16,011.37)	-58.6 %
Safety				
Safety	1,658.16	200.00	(1,458.16)	-729.1 %
TOTAL Safety	1,658.16	200.00	(1,458.16)	-729.1 %
Other Expenses				
Other Expense	13,134.45	13,600.00	465.55	3.4 %
TOTAL Other Expenses	13,134.45	13,600.00	465.55	3.4 %
TOTAL Operating Expenses	716,329.14	724,870.00	8,540.86	1.2 %
****** OPERATING INCOME (LOSS)	(716,329.14)	(724,870.00)	8,540.86	1.2 %
****** NET INCOME (LOSS)	(716,329.14)	(724,870.00)	8,540.86	1.2 %
****** NET INCOME (LOSS)	(716,329.14)	(724,870.00)	8,540.86	1.2 %

Carmel Area Wastewater District
Op. Exps. Actual to Budget-Reclamation
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 8

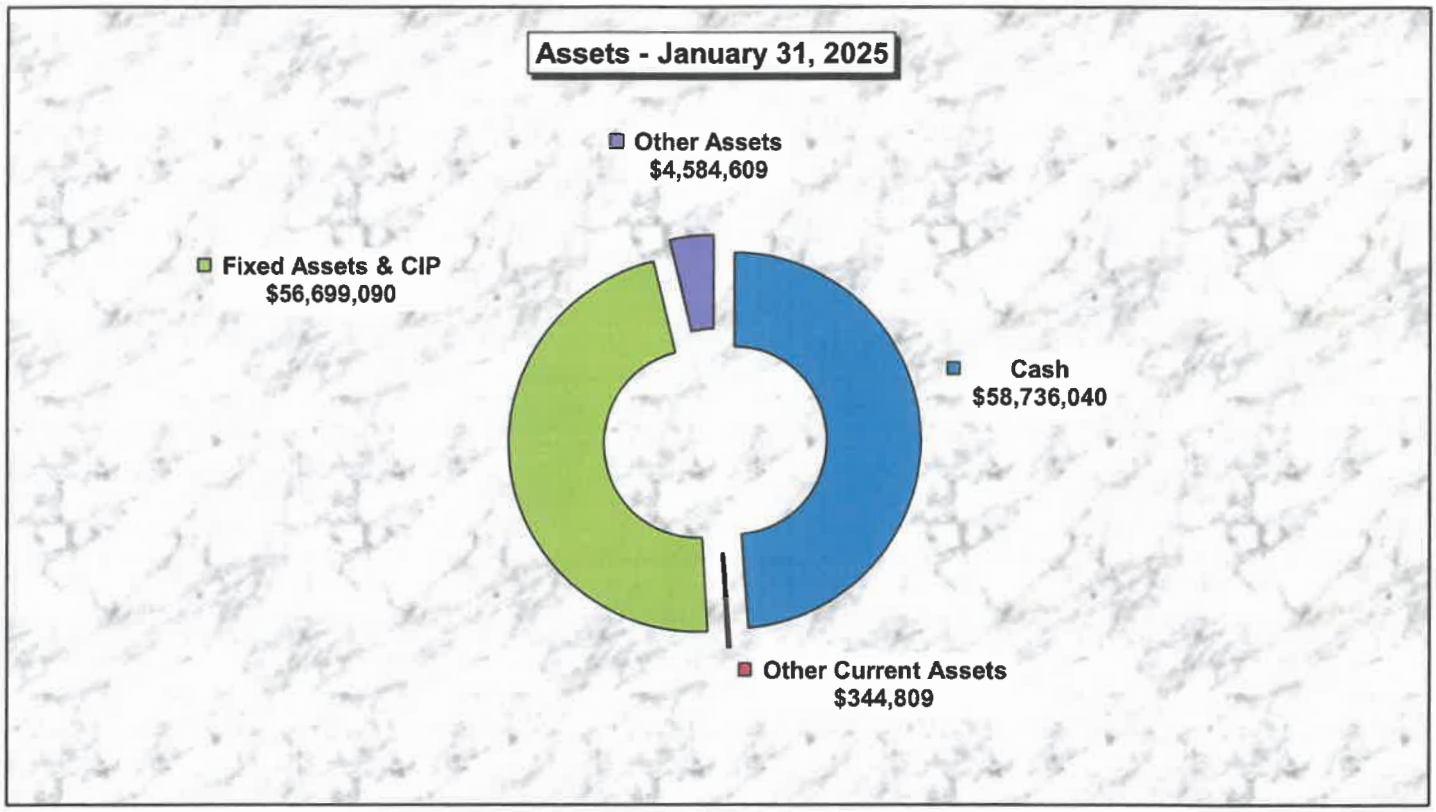
	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
******	0.00	0.00	0.00	
****** OPERATING INCOME	0.00	0.00	0.00	
Operating Expenses				
Salaries and Payroll Taxes				
Salaries and Payroll Taxes	440,621.67	364,300.00	(76,321.67)	-21.0 %
TOTAL Salaries and Payroll Taxes	440,621.67	364,300.00	(76,321.67)	-21.0 %
Director's Expenses				
Director's Expenses	0.00	350.00	350.00	100.0 %
TOTAL Director's Expenses	0.00	350.00	350.00	100.0 %
Office Expense				
Office Expense	224.25	0.00	(224.25)	
TOTAL Office Expense	224.25	0.00	(224.25)	
Operating Supplies				
Operating Supplies	3,144.02	700.00	(2,444.02)	-349.1 %
TOTAL Operating Supplies	3,144.02	700.00	(2,444.02)	-349.1 %
Contract Services				
Contract Services	686.69	710.00	23.31	3.3 %
TOTAL Contract Services	686.69	710.00	23.31	3.3 %
Repairs and Maintenance				
Repairs and Maintenance	1,401.66	2,800.00	1,398.34	49.9 %
TOTAL Repairs and Maintenance	1,401.66	2,800.00	1,398.34	49.9 %
Travel and Meetings				
Travel and Meetings	52.25	0.00	(52.25)	
TOTAL Travel and Meetings	52.25	0.00	(52.25)	
Memberships and Subscriptions				
Memberships and Subscriptions	262.50	0.00	(262.50)	
TOTAL Memberships and Subscriptions	262.50	0.00	(262.50)	
Safety				
Safety	353.77	0.00	(353.77)	
TOTAL Safety	353.77	0.00	(353.77)	
TOTAL Operating Expenses	446,746.81	368,860.00	(77,886.81)	-21.1 %

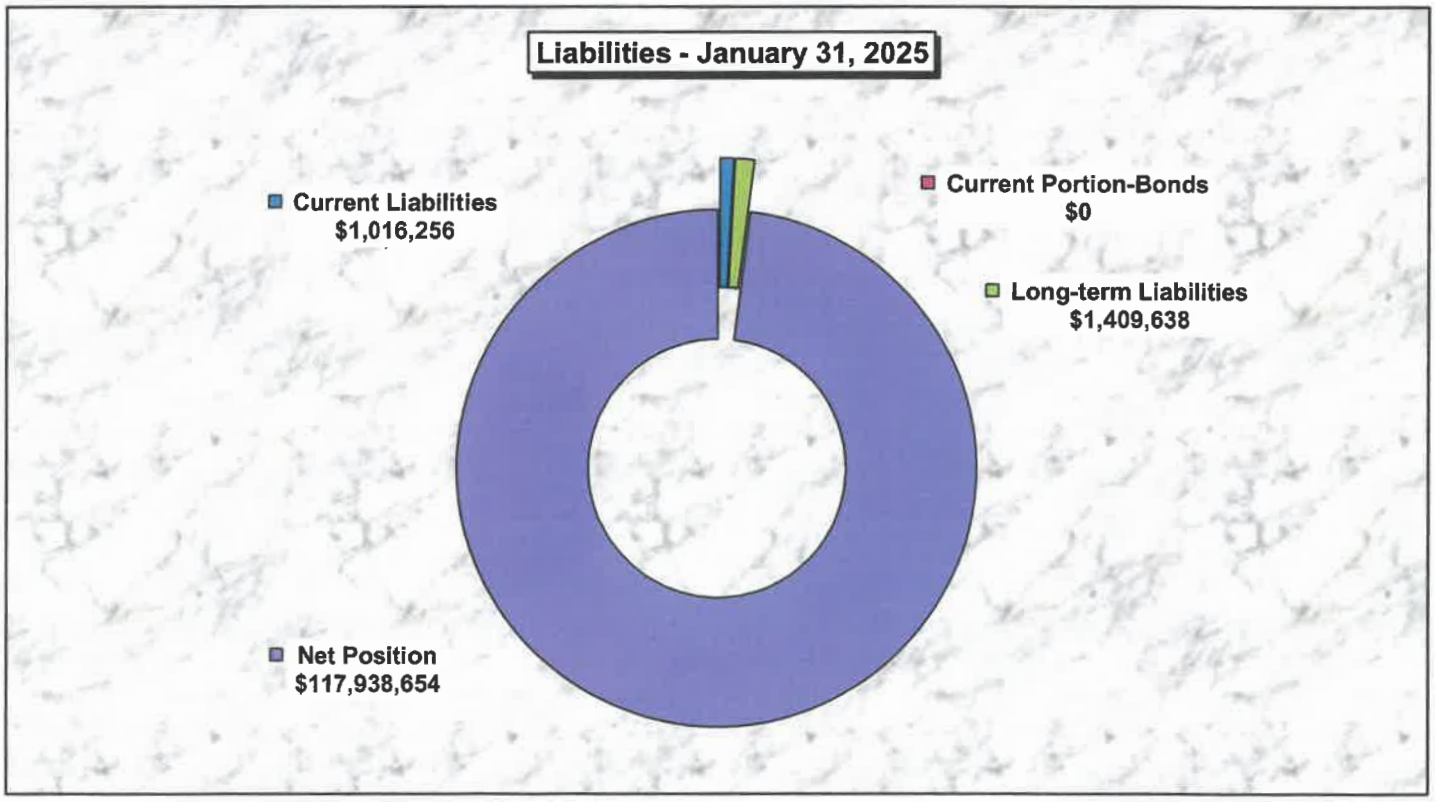
Carmel Area Wastewater District
Op. Exps. Actual to Budget-Reclamation
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 8

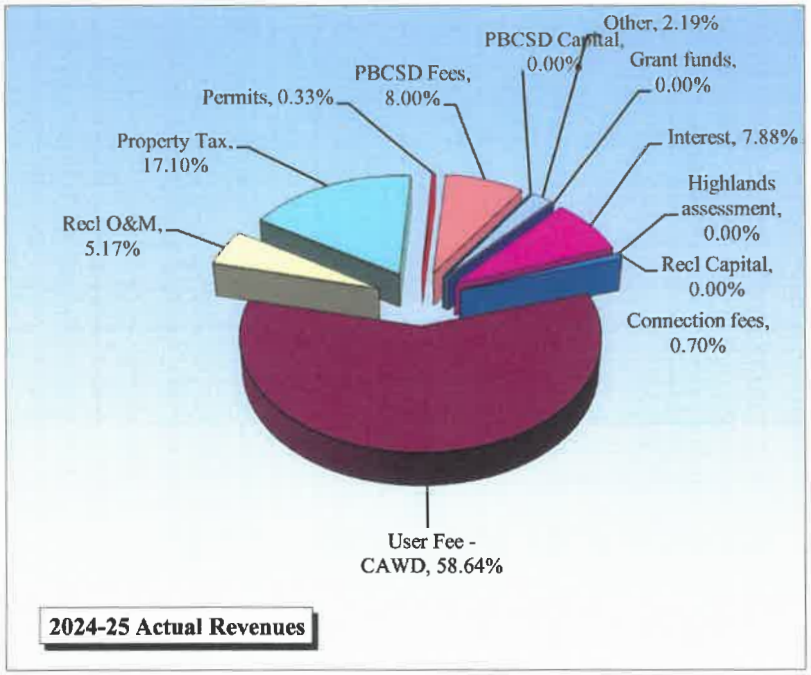
	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
****** OPERATING INCOME (LOSS)	(446,746.81)	(368,860.00)	(77,886.81)	-21.1 %
****** NET INCOME (LOSS)	(446,746.81)	(368,860.00)	(77,886.81)	-21.1 %
****** NET INCOME (LOSS)	(446,746.81)	(368,860.00)	(77,886.81)	-21.1 %

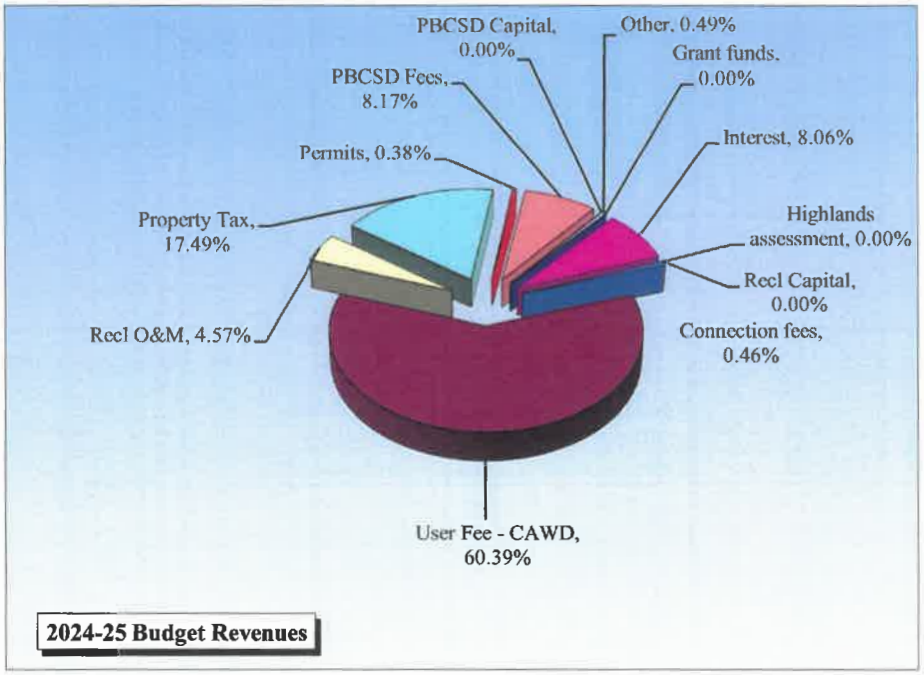
Carmel Area Wastewater District
I/S Actual to Budget-Brine Disposal
Year-to-Date Variance, January 2025 - current month, Consolidated by account, Department 10

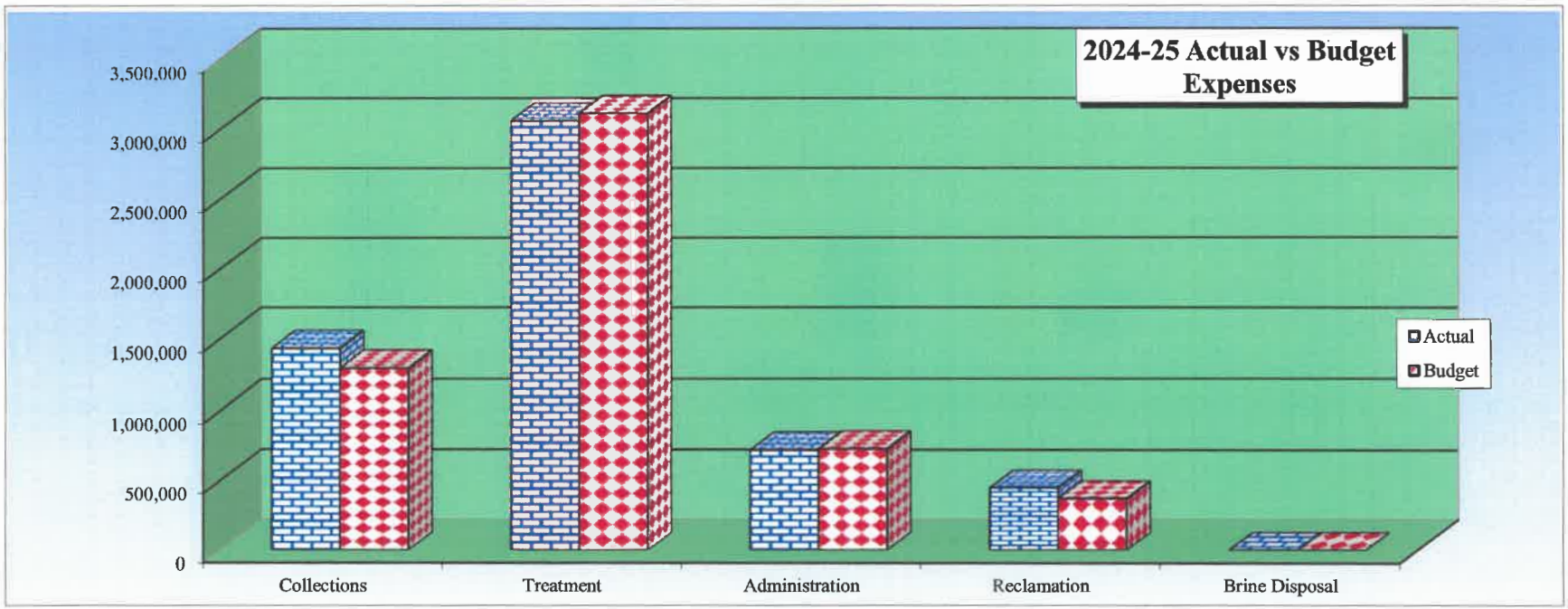
	7 Months Ended January 31, 2025	7 Months Ended January 31, 2025 Budget	Variance Fav/<Unf>	% Var
Income				
Revenue	103,377.25	37,800.00	65,577.25	173.5 %
TOTAL Income	103,377.25	37,800.00	65,577.25	173.5 %
******	103,377.25	37,800.00	65,577.25	173.5 %
****** OPERATING INCOME	103,377.25	37,800.00	65,577.25	173.5 %
****** OPERATING INCOME (LOSS)	103,377.25	37,800.00	65,577.25	173.5 %
****** NET INCOME (LOSS)	103,377.25	37,800.00	65,577.25	173.5 %
****** NET INCOME (LOSS)	103,377.25	37,800.00	65,577.25	173.5 %

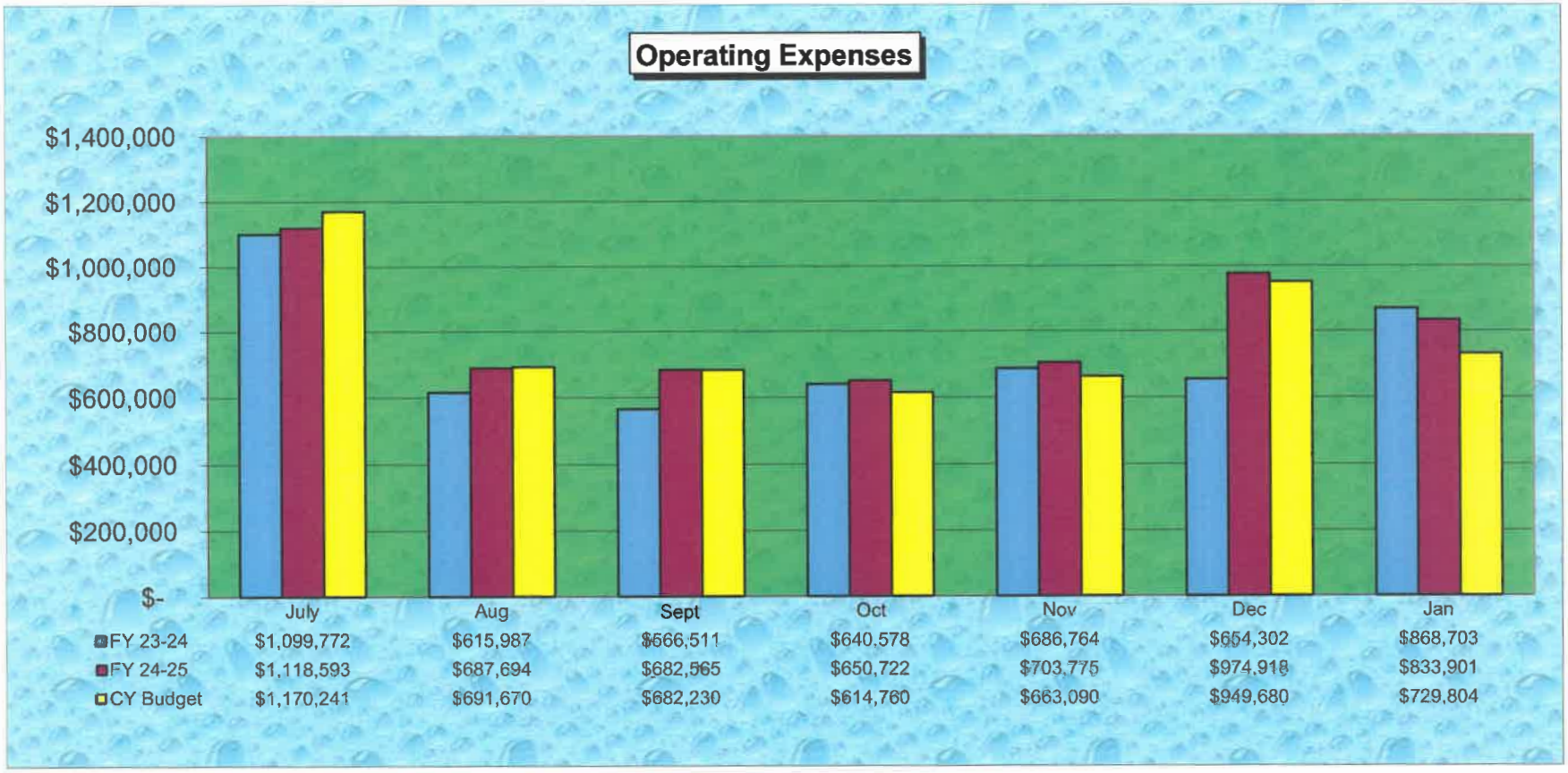

Assets - January 31, 2025
Other Assets
$4,584,609
Fixed Assets & CIP
$56,699,090
Cash
$58,736,040
Other Current Assets
$344,809


Liabilities - January 31, 2025
Current Liabilities
$1,016,256
Current Portion-Bonds
$0
Long-term Liabilities
$1,409,638
Net Position
$117,938,654


Other, 2.19%
PBCSD Capital, 0.00%
Grant funds, 0.00%
PBCSD Fees, 8.00%
Permits, 0.33%
Property Tax, 17.10%
Interest, 7.88%
Highlands assessment, 0.00%
Recl O&M, 5.17%
Recl Capital, 0.00%
Connection fees, 0.70%
User Fee - CAWD, 58.64%
2024-25 Actual Revenues


PBCSD Capital, 0.00%
Other, 0.49%
Grant funds, 0.00%
PBCSD Fees, 8.17%
Permits, 0.38%
Interest, 8.06%
Property Tax, 17.49%
Highlands assessment, 0.00%
Recl Capital, 0.00%
Recl O&M, 4.57%
Connection fees, 0.46%
User Fee - CAWD, 60.39%
2024-25 Budget Revenues


2024-25 Actual vs Budget Expenses
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
Collections
Treatment
Administration
Reclamation
Brine Disposal
Actual
Budget



	July	Aug	Sept	Oct	Nov	Dec	Jan
FY 23-24	$1,099,772	$615,987	$666,511	$640,578	$686,764	$654,302	$868,703
FY 24-25	$1,118,593	$687,694	$682,565	$650,722	$703,775	$974,918	$833,901
CY Budget	$1,170,241	$691,670	$682,230	$614,760	$663,090	$949,680	$729,804

Carmel Area Wastewater District
Capital Expenditures
2024-25

	BEG BAL	JAN	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
CAPITAL PURCHASES						
Admin						
HVAC unit-server room-unbudgeted		0	12,638	12,638	0	NA
2022 Toyota Tacoma		0	39,269	39,269	42,000	93.50%
Collections						
Sewer-Carpenter & 6th-unbudgeted		0	10,788	10,788	0	NA
Sewer-Carpenter & 4th-unbudgeted		0	11,732	11,732	0	NA
Sewer-San Luis and Carpenter-unbudgeted		0	13,539	13,539	0	NA
Iron N Impreller Pump-unbudgeted		0	26,450	26,450	0	NA
CAT Diesel Portable Generator		0	70,247	70,247	95,000	73.94%
Collections Office Rehab-unbudgeted		0	29,607	29,607	0	NA
Sewer-Ocen & Randall Way-unbudgeted		0	11,143	11,143	0	NA
Sewer-San Luis & San Mateo-unbudgeted		0	14,418	14,418	0	NA
2025 Chevy Silverado		0	64,887	64,887	95,000	68.30%
Collections Office Restroom-unbudgeted		0	14,717	14,717	0	NA
Sewer-4th St. between Lobos & Randall-unbudgeted		0	10,948	10,948	0	NA
2024 Freightliner Pipehunter Truck		0	302,013	302,013	400,000	75.50%
Sewer-Valley & Lower Trail-unbudgeted		11,368	11,368	11,368	0	NA
Sewer-4th St. between Lobos & 1st-unbudgeted		12,386	12,386	12,386	0	NA
Treatment						
Netzsch Nemo Progressive Cavity Pump-unbudgeted		0	10,276	10,276	0	NA
Rehab Cyclo Reducer-unbudgeted		0	10,178	10,178	0	NA
Gordon Bare Pump-unbudgeted		0	21,340	21,340	0	NA
PowerEdg R550 Server		0	14,331	14,331	25,000	57.32%
Modular Office Building #3-unbudgeted		0	24,065	24,065	0	NA
Modular Office Building #4-unbudgeted		0	23,538	23,538	0	NA
Roof Coating CDC Building-unbudgeted		0	27,647	27,647	0	NA
Lab Exhaust Hood and Fan-unbudgeted		0	17,528	17,528	0	NA
Ops Building Roof Repair-unbudgeted		0	12,585	12,585	0	NA
Turblex Blower Rehab-unbudgeted		0	19,502	19,502	0	NA
Two Electric Utility Carts		0	45,481	45,481	48,000	94.75%
RECL share	0	0	0	0	0	NA
PBCSD share (1/3 of cost)	0	0	(75,491)	(75,491)	0	NA
Total Capital Purchases 24-25		**23,755**	**807,132**	**807,132**	**705,000**	**NA**

Carmel Area Wastewater District
Capital Expenditures
2024-25

	BEG BAL	JAN	CURRENT YTD	CUMULATIVE TOTAL	ANNUAL BUDGET	BUDGET SPENT
CIP PROJECTS						
Administration						
Collections						
Construction of new Gravity Sewer Line-Carmel Meadows	719,844	34,341	83,883	803,726	300,000	27.96%
Carmel Valley Manor Sewer-unbudgeted	180	0	0	180	0	NA
Scenic Rd Pipe Burst-Ocn/Bay	576,651	21,267	77,198	653,850	2,000,000	3.86%
Bay/Scenic Pump Station Rehab	148,087	0	0	148,087	150,000	NA
Pescadero Creek Area Pipe Rehab	239,020	37,486	61,773	300,793	500,000	12.35%
Vactor Receiving Station	105,221	2,278	85,434	190,656	575,000	14.86%
Santa Rita & Guadalupe Pipeline	165,819	13,153	38,557	204,376	2,500,000	1.54%
Treatment						
RECL share	0	0	0	0	0	NA
PBCSD share (1/3 of cost)	0	0	0	0	0	NA
Total CIP Projects 24-25	**1,954,822**	**108,524**	**346,846**	**2,301,668**	**6,025,000**	**5.76%**
LONG TERM CIP PROJECTS						
Treatment						
Perimeter Fence	49,801	37,050	54,093	103,893	25,000	216.37%
Elec/Mech Rehab & Sludge Holding Tank Project **(RECL 2.7%)**	9,638,381	0	288,257	9,926,638	0	N/A
Potable Water & Gas Main Replacement **(COLL 5.5%)**	178,944	0	2,589	181,533	300,000	0.86%
Plant Bridge Retrofit Project-unbudgeted	12,994	111	1,941	14,935	0	NA
Artificial Intelligence Pilot Project	92,924	3,354	53,050	145,975	150,000	35.37%
RECL share	(260,236)	0	(7,783)	(268,019)	0	N/A
PBCSD share (1/3 of cost)	(3,237,603)	(13,505)	(130,573)	(3,368,176)	(158,333)	82.47%
Total Long Term CIP Projects 24-25	**6,475,205**	**27,010**	**261,573**	**6,736,779**	**316,667**	**82.60%**
Total Capital (net of RECL and PBCSD)	**8,430,027**	**159,288**	**1,415,551**	**9,845,579**	**7,046,667**	**20.09%**

Carmel Area Wastewater District
Variance Analysis
2024-25

	YTD $ Variance	YTD % Variance	
Collections			
Salaries and Payroll Taxes	($31,836)	-5.80%	Salaries and overtime slightly underbudgeted.
Office Expense	($11,504)	-68.50%	Five workstations unbudgeted.
Contract Services	($37,525)	-18.10%	System capacity monitoring underbudgeted.
Repairs and Maintenance	($47,006)	-40.50%	Ribera Rd. retaining wall unbudgeted. (Not CAWD asset)
Utilities	($5,601)	-21.10%	Highlands electricity underbudgeted.
Permits and Fees	($678)	-7.10%	SWRCB and Mo. Bay Air Resources Dist. slightly underbudgeted.
Memberships and Subscriptions	($254)	-9.80%	Publications and reference works slightly underbudgeted.
Other Expense	($5,290)	-2644.90%	Recruiting unbudgeted.
Treatment			
Employee Benefits	($199,747)	-150.30%	Allocation to Reclamation overbudgeted.
Truck and Auto Expenses	($1,509)	-44.90%	Insurance and repairs underbudgeted.
General and Administrative	($16,079)	-7.20%	Insurance underbudgeted.
Office Expense	($4,634)	-14.00%	Equipment repairs and temp service unbudgeted.
Other Expense	($20,877)	No budget	Recruiting new employees.
Administration			
Director's Expenses	($5,978)	-35.30%	CASA conference unbudgeted and training underbudgeted.
Truck and Auto Expenses	($123)	-30.80%	Insurance underbudgeted.
Office Expense	($10,220)	-37.60%	Computers and equipment underbudgeted and postage and shipping unbudgeted.
Contract Services	($11,184)	-17.50%	Management consulting/coaching unbudgeted.
Repairs and Maintenance	($272)	-5.90%	General repairs unbudgeted.
Memberships and Subscriptions	($16,011)	-58.60%	Laserfiche Cloud Subscription budgeted in capital.
Safety	($1,458)	-729.10%	Training unbudgeted.

District Obligations:

1) 2004 Highlands Project Bond Proceeds $3,057,165 - Balance Due $-0-

Carmel Area Wastewater District
2024-25 Resolutions Amending the Budget

Resolution # Date	Description	Original Budget	Amendment	Spent To Date
2024-60 10/31/24	A Resolution authorizing the General Manager to execute an amendment to an existing contract with Denise Duffy & Associates not to exceed $30,000 for Hatton Canyon revegetation.	$ 14,000	$ 30,000	$ -
2024-61 10/31/24	A Resolution authorizing the General Manager to execute an amendment to an existing contract with MNS Engineers, Inc. not to exceed $263,992 for the addition of the Carmel Woods sewer rehabilitation work to the Pescadero Road Sewer Project.	$ 500,000	$ 263,992	$ 45,874
2025-06 01/30/25	A Resolution authorizing the General Manager to enter into a contract amount of $42,000 with Limelight Strategies for executive coaching services.	$ -	$ 42,000	$ 11,000
	Total To Date	$ 514,000	$ 335,992	$ 56,874

STAFF REPORT

TO: Board of Directors

FROM: Daryl Lauer, Collection Superintendent

DATE: February 27, 2025

SUBJECT: Monthly Report – January 2025

RECOMMENDATION

Receive Report- Informational only; no action required.

Permits Issued

Sewer Lateral Permits issued in January …..... 7

Total Fees $1,390.00

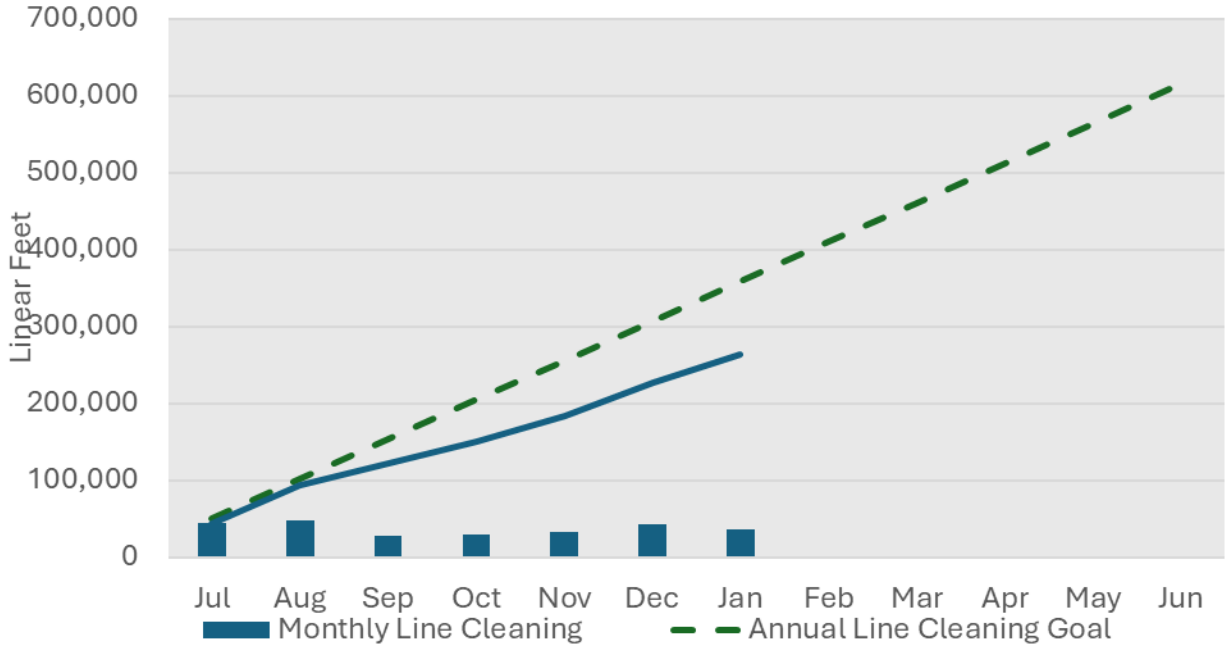
Maintenance

Attached is a map of the areas cleaned in the past three months. There were 36,779 feet of sewer lines cleaned in January. Staff successfully flushed 1,000 feet of 4 inch force main on the Highlands pressure force main. Engineering, Maintenance and Collections worked together to send 10,000 gallons through the force main at a set pressure to get the maximum scouring of the force main. Settled grit and sludge were observed during the cleaning. Staff are gathering data for post-flushing analysis.

Recent Line Cleaning Summary

Cleaning period	Footage Cleaned	Percentage Cleaned	Size of Pipe Cleaned
January- 2025	36,779 ft.	8.11%	6 - 12 inches
December -2024	43,407 ft.	9.57%	6 - 27 inches
November -2024	32,553 ft.	7.40%	6 – 27 inches

Annual Line Cleaning Graph



Line Cleaning Table

Total Target Amount (Linear Feet)	Cumulative Complete (Linear Feet)	Remaining (Linear Feet)
615,000	264,046	350,954

Staff Development

- Staff attended weekly tailgate safety tailgate training sessions.

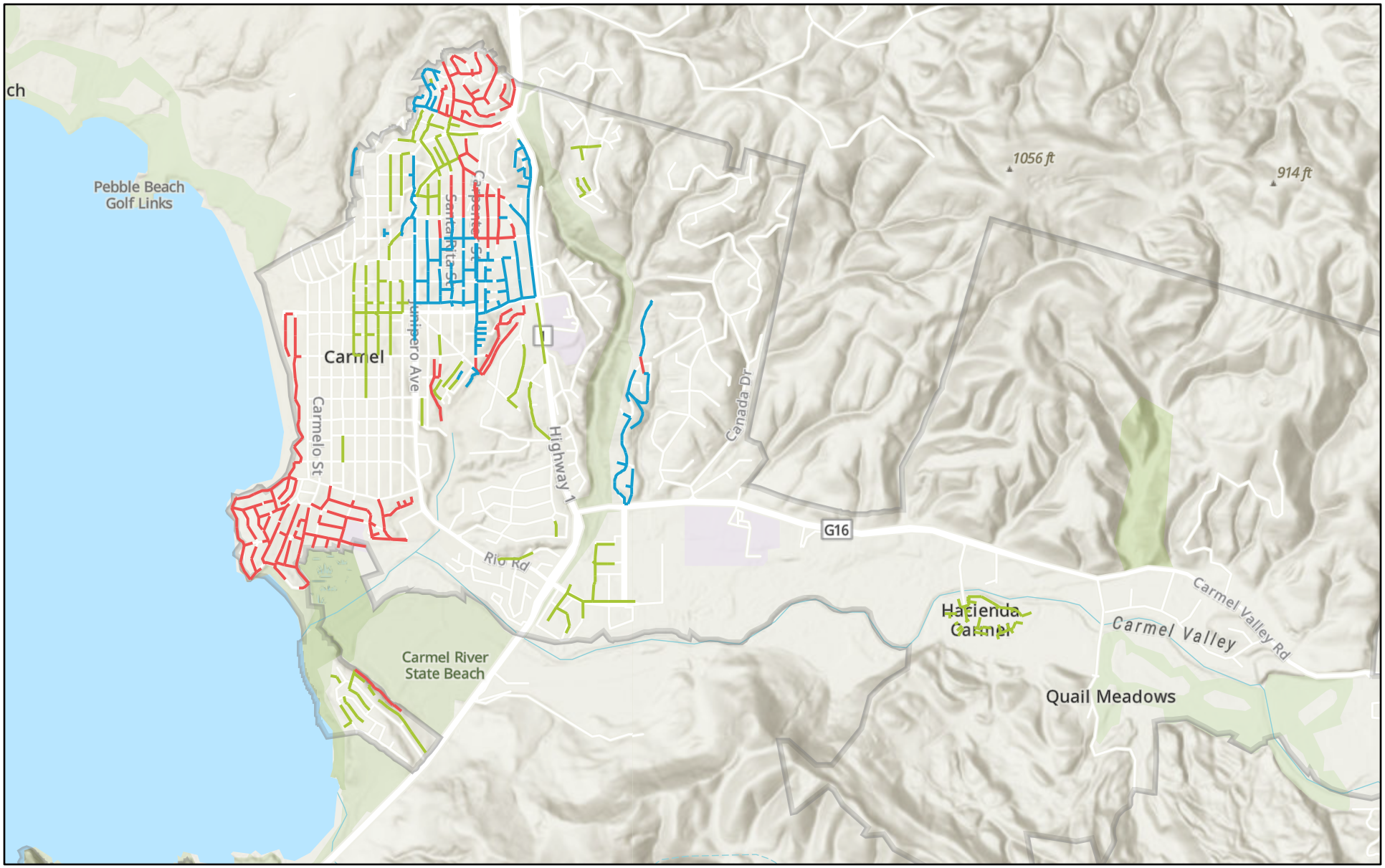
Service calls responded to by crew:

Date	Time	Callout	Resolution
1/8/2025	11:00 AM	Asphalt patch verification	Asphalt patch from private lateral repair in street one year verification. No problems with asphalt were observed. See callout map.
1/9/2025	11:00 AM	Asphalt patch verification	Asphalt patch from private lateral repair in street one year verification. No problems with asphalt were observed. See callout map.
1/12/2025	11:40 AM	Odor of fuel in wastewater	Called by Treatment Plant staff for an odor of fuel that they noticed in the treatment plant flows. Staff arrived and checked the manholes in Rio Park with a gas detector and did not register any reading on the gas monitor. Staff checked several other manholes in the system to see if we could pinpoint the location of the discharge. Nothing was found and it is believed that a discharge of fuel must have passed through the collection system. See callout map.

Date	Time	Callout	Resolution
1/16/2025	7:29 PM	High level alarm at pump station.	Called by automated dialer for a high-level float alarm at Monte Verde pump station. Staff monitored the station, and no other alarms came in. An inspection the following day found the high-level float was disconnected from the float tree and was the cause of the high level alarm. Repairs have been scheduled to correct the float. See callout map.
1/24/2025	11:00 AM	Asphalt patch verification	Asphalt patch from private lateral repair in street one year verification. No problems with asphalt were observed. See callout map.
1/24/2025	12:00 PM	Asphalt patch verification	Asphalt patch from private lateral repair in street one year verification. No problems with asphalt were observed. See callout map.

USA Location Requests – 185
Plumbing permit inspections – 8
Private Sewer Lateral Compliance Certificates Issued – 5

January 2025 Cleaning Progress Report



2/3/2025, 7:48:56 AM

Line Cleaning

- January - 36,779 ft.
- December - 43,407 ft.
- November - 32,553 ft.
- Service Area

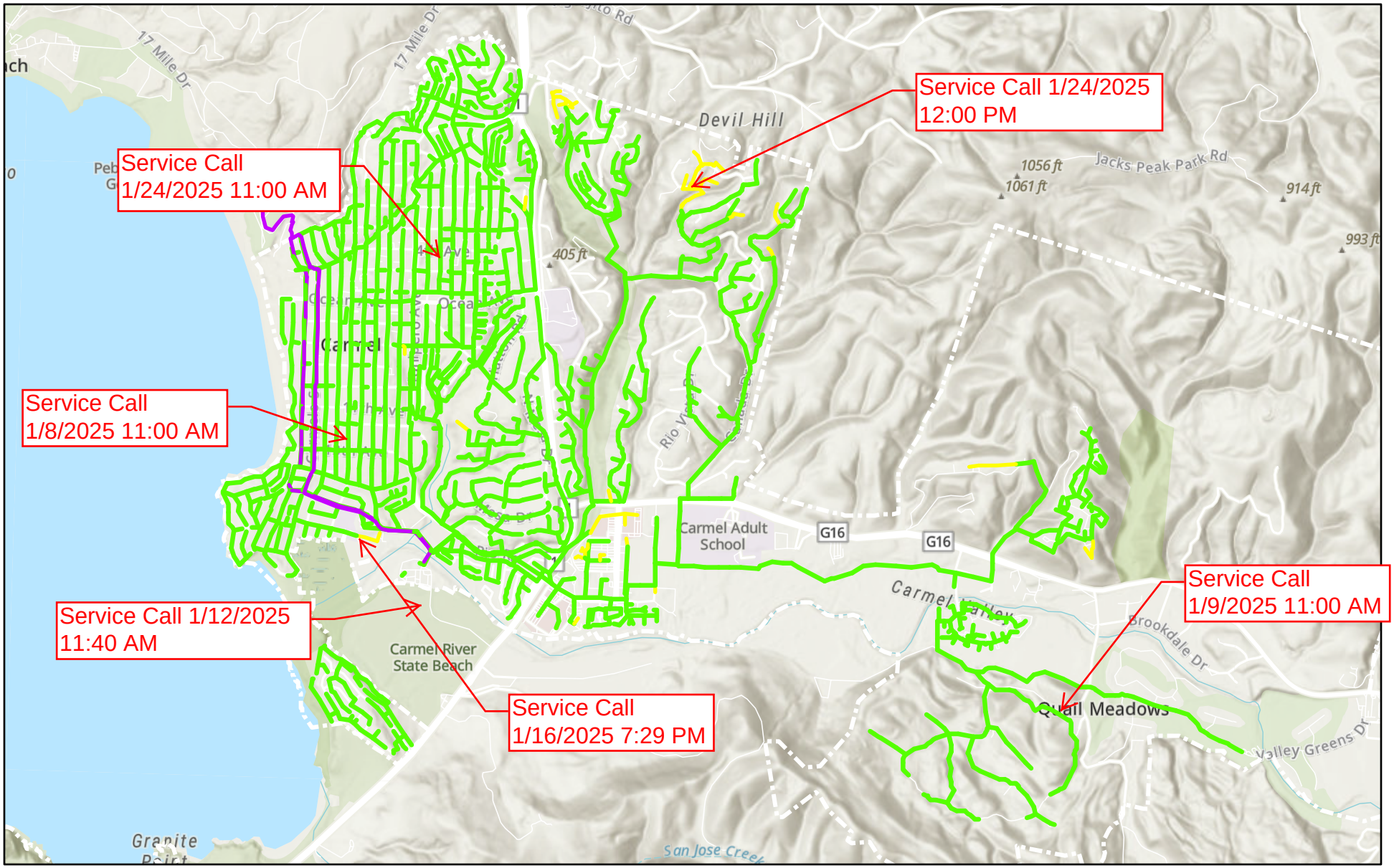
1:43,672

0 0.3 0.6 1.2 mi

0 0.47 0.95 1.9 km

California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA,

January Service Call Map



PBCSD

PRIVATE

CAWD

1:34,832

0 1,500 3,000 6,000 ft

0 480 960 1,920 m

California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US

CAWD

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STAFF REPORT

To: Board of Directors

From: Mark Dias, Safety and
Regulatory Compliance Administrator
(S/C Admin Dias)

Date: February 27, 2025

Subject: Monthly Safety Report (for January 2025)

RECOMMENDATION

Receive Report- Informational only; no action required

DISCUSSION

Safety & Training

- **January (Jan) 7: Tailgate Training- Phone system review.** S/C Admin Dias described three different emergency phone features. First, was the use of FirstNet cell phones available through AT&T. FirstNet cell phones will be prioritized for access to the cellular network in the event of a large-scale disaster. The FirstNet network also has mobile cell sites stationed around the country that would be mobilized to the area of a disaster. Next, the "broadcast" phone feature was also described and then tested. A dedicated button is available on the district phones where if anyone pushes the button it immediately broadcasts their voice to every other phone on the system. This is one way communication (the listeners cannot respond verbally). Each department took a turn using the system and broadcasting a message. Lastly, the 911 notification system was described. If anyone on the phone system calls 911, all phones generate a unique alarm sound and show which extension number has called 911. This would allow others to come to their assistance and/or direct responders to the exact location of the emergency.
- **Jan 14: Tailgate Training- Fire Hydrant Locations and Use.** Greg Ange, Maintenance Mechanic III, gave an overview of the four fire hydrants located around the plant and how they are pressurized and could be used by the fire department in the event of a fire.

- **Jan 22: Tailgate Training- Lithium Battery Fires.** S/C Admin Dias presented on how lithium battery fires occur, how they burn and what to expect during a fire. Lithium batteries are used in a wide range of handheld tools and they also power the two new carts used on the site. S/C Admin Dias described the five ways the batteries can experience a run-away heating event and catch fire. Emphasis was placed on knowing that if the battery is smoking, the run-away reaction is already occurring and usually cannot be stopped and the area should be cleared.

- **Jan 29: Tailgate Training- Expiration of COVID-19 Regulations.** S/C Admin Dias informed the employees that the state regulations requiring employers to have a COVID response plan were expiring the next week. However, free tests will still be provided and employees still needed to inform their supervisor if they were positive for the disease.

Ongoing Safety Improvements

Maintenance Superintendent Chris Foley and S/C Admin Dias continued to implement safety improvements and seek input from the operations crew and the Safety Committee. Activities in January included:

- **Operational and safety improvement at chlorine disinfection contact channels (CDC).** Effluent leaving the secondary clarifiers flows to the CDC channels by gravity. Chlorine is added just prior to the channels. The effluent contains very fine suspended solids. Over a period of several months the solids build up on the bottom of the channels reducing its capacity. Historically the channels have been manually cleaned. This requires a complex confined space entry wherein operators have to descend into the channels, and crawl under a wall. Lighting is very poor, the floors are slippery and are sloped at one end. If a worker was to be injured or slip into the 6-foot deep sump a rescue would be quite difficult. The improvements made were the installation of new pumps which can be programmed and remotely controlled to periodically pump out the solids. The intention is that, if successful, no more confined space entries will be needed.

Tours and Outreach

- **Tours**: No tours were requested in January.

Injuries; First Aid Incidents; Workers Compensation Claims

There was one new Workers Comp claims and no first aid injuries in January. The first matrix for 2025 is below.

A laboratory employee accidentally pressed the button on a hand-held emergency air horn. This type of horn is typically used on small sailboats. A second lab employee later complained of pressure-like symptoms in one ear. Audiometry testing has been conducted and there is no hearing loss and the employee's symptoms have resolved. There were no workdays lost.

	Work Related Injuries and Illnesses for 2025 Calendar Year				
TYPE	New Incidents (Month)	Total Incidents (Year)	Total Days Away from Work (Year)	Total Days of Job Restriction (Year)	Cumulative days lost (Year)
OSHA Injuries	1	1	0	0	0
OSHA Illnesses	0	0	0	0	0
Other WC Claims	0	0	0	0	0
First Aid (non-OSHA)	0	0	0	0	0

*Excludes holidays, vacation days and sick days

FUNDING-N/A- Informational item only

Wastewater Treatment Facility Operations Report

	HYDRAULIC LOADINGS					2025 YEAR-TO-DATE	
Report for: January 2025	**Total Monthly, MG**	**Avg. Daily, MGD**	**Min Daily, MGD**	**Max Daily, MGD**	**% of Total**	**MG**	**acre-feet**
CAWD Flow	24.795	0.800	0.742	0.948	70.863	24.80	76.06
PBCSD Flow	10.195	0.329	0.290	0.441	29.137	10.20	31.27
Total Plant Flow	34.990	1.129	1.032	1.389	100.00	34.99	107.33
Tertiary Flow	19.337	0.806	0.233	1.214	55.264	19.34	59.32
Ocean Discharge	15.423	0.498	0.066	1.230	44.078	15.42	47.31
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2025)	19.34MG (59.32acre-ft.)
Total Lifetime Reclamation Production (94-25)	9.86 BG (30.26 K acre-ft.)
12 Month Rolling Total Reclamation Production	301.83 MG (926.32 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	**Jan'25 kWh**	**Price per kWh**	**Jan'25**	**Dec'24**	**Nov'24**	**Oct'24**
Secondary	94,323.00	$ 0.261	$ 24,642.12	$ 19,940.39	$ 17,820.02	$ 17,868.70
Blowers	44,823.84	$ 0.283	$ 12,684.47	$ 12,599.08	$ 11,994.66	$ 11,706.78
CAWD Total	139,146.84		$ 37,326.59	$ 32,539.47	$ 29,814.68	$ 29,575.48
Tertiary	72,158.52	$ 0.285	$ 20,589.03	$ 19,124.01	$ 18,598.92	$ 18,328.58
MF/RO	56,121.00	$ 0.314	$ 17,646.73	$ 34,832.88	$ 31,526.28	$ 33,897.62
Reclaim Total	128,279.52		$ 38,235.76	$ 53,956.89	$ 50,125.20	$ 52,226.20
Adjusted Monthly Totals (1)	**CAWD Total**	$ 21,387.67		**Reclamation Total**		$ 54,174.68

kW-h Per Acre Foot

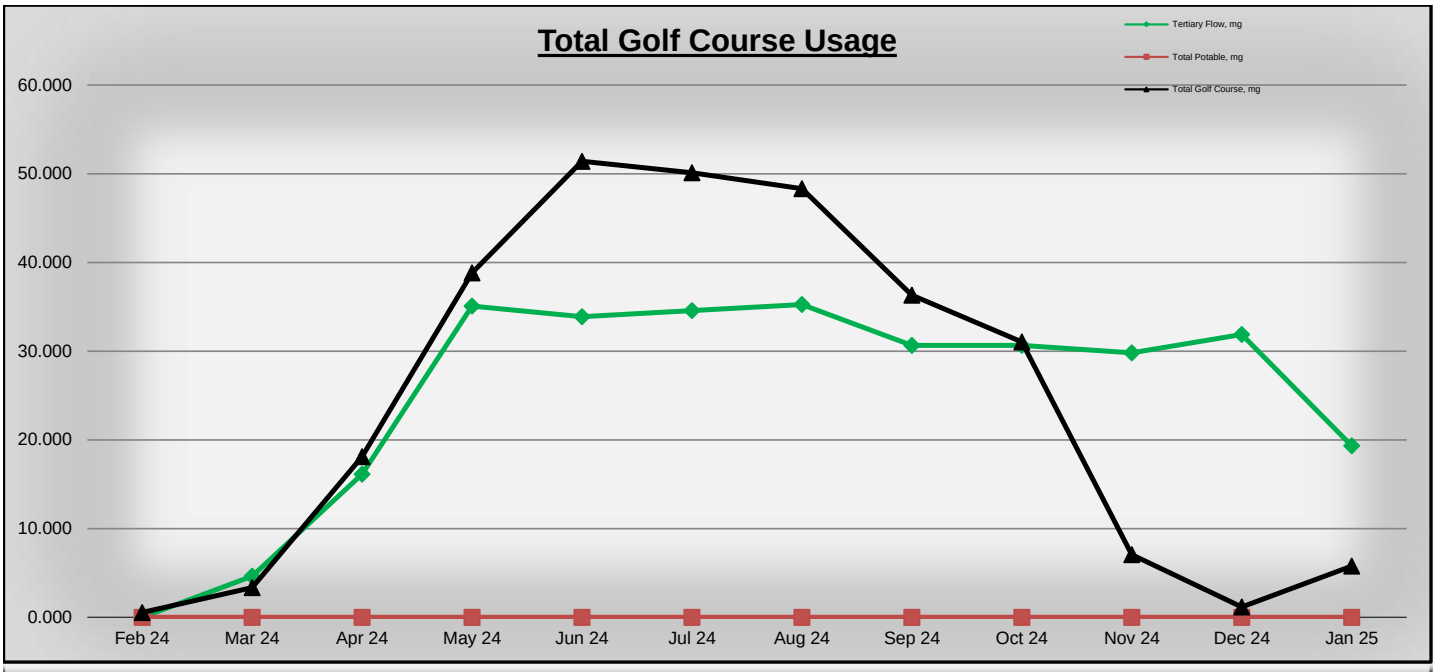
	2024				2025			
	1 QTR	**2 QTR**	**3 QTR**	**4 QTR**	**1 QTR**	**2 QTR**	**3 QTR**	**4 QTR**
CAWD	940.34	1159.32	1156.77	1178.47	N/A	N/A	N/A	N/A
Reclamation	2608.25	3138.42	1921.34	2018.55	N/A	N/A	N/A	N/A

MICROTURBINE SUMMARY

Month	**Jan'25 kW-h**	**Dec'24**	**Nov'24**	**Oct'24**	**Accumulated Totals**
Production,kW-h (2)	10,043	21,577	23,146	20,544	1,518,035.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and Laboratory power usage.

(2) Microturbine off-line on 1/18 due to bad circuit board. Waiting for repair parts from vendor.


Total Golf Course Usage
Tertiary Flow, mg
Total Potable, mg
Total Golf Course, mg
60.000
50.000
40.000
30.000
20.000
10.000
0.000
Feb 24
Mar 24
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May 24
Jun 24
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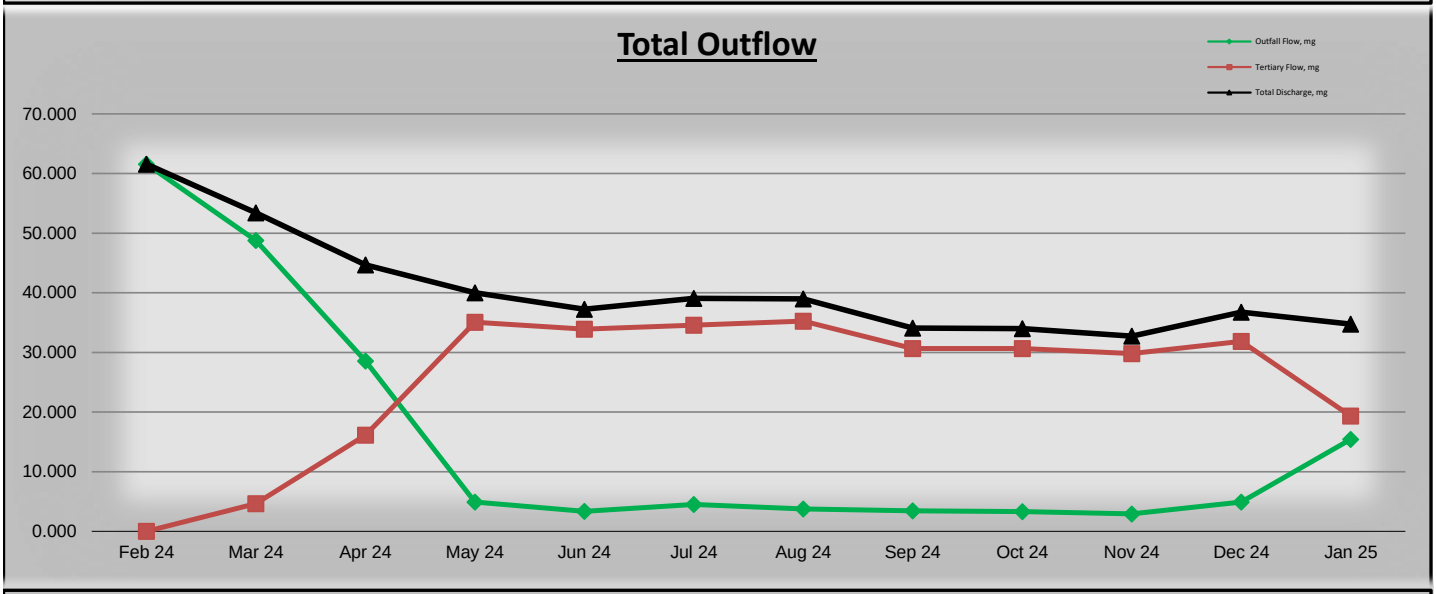
Sep 24
Oct 24
Nov 24
Dec 24
Jan 25


Total Outflow
Outfall Flow, mg
Tertiary Flow, mg
Total Discharge, mg
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60.000
50.000
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Feb 24
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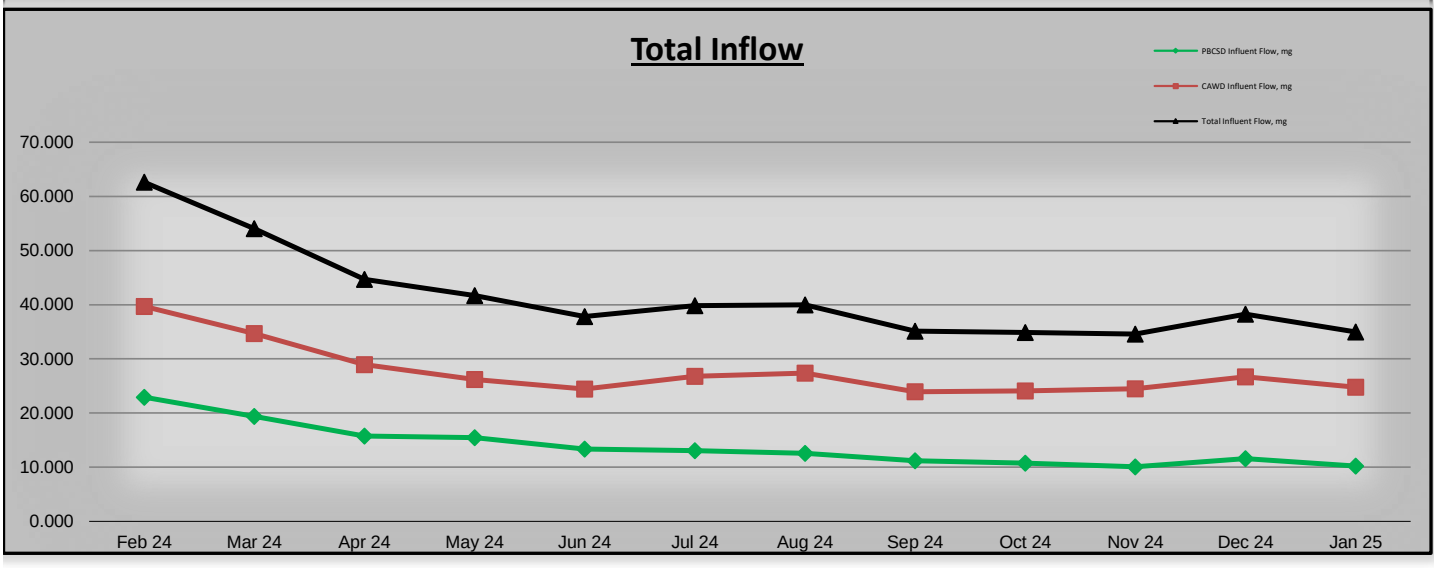
Jan 25


Total Inflow
PBCSD Influent Flow, mg
CAWD Influent Flow, mg
Total Influent Flow, mg
70.000
60.000
50.000
40.000
30.000
20.000
10.000
0.000
Feb 24
Mar 24
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May 24
Jun 24
Jul 24
Aug 24
Sep 24
Oct 24
Nov 24
Dec 24
Jan 25

Wastewater Treatment Facility Operations Report

	HYDRAULIC LOADINGS					2024 YEAR-TO-DATE	
Report for: December 2024	**Total Monthly, MG**	**Avg. Daily, MGD**	**Min Daily, MGD**	**Max Daily, MGD**	**% of Total**	**MG**	**acre-feet**
CAWD Flow	26.684	0.864	0.702	1.302	69.760	336.27	1031.51
PBCSD Flow	11.567	0.370	0.274	0.638	30.240	173.82	533.20
Total Plant Flow	38.251	1.234	0.976	1.940	100.00	510.10	1564.71
Tertiary Flow	31.866	1.028	0.708	1.220	83.308	297.46	912.44
Ocean Discharge	4.893	0.158	0.075	0.455	12.792	199.71	612.60
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2024)	297.45MG (912.44acre-ft.)
Total Lifetime Reclamation Production (94-24)	9.84 BG (30.20 K acre-ft.)
12 Month Rolling Total Reclamation Production	297.46 MG (912.89 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	**Dec'24 kWh**	**Price per kWh**	**Dec'24**	**Nov'24**	**Oct'24**	**Sep'24**
Secondary	84,744.00	$ 0.235	$ 19,940.39	$ 17,820.02	$ 17,868.70	$ 21,994.59
Blowers	52,265.36	$ 0.241	$ 12,599.08	$ 11,994.66	$ 11,706.78	$ 14,053.47
CAWD Total	137,009.36		$ 32,539.47	$ 29,814.68	$ 29,575.48	$ 36,048.06
Tertiary	82,816.60	$ 0.231	$ 19,124.01	$ 18,598.92	$ 18,328.58	$ 25,670.78
MF/RO	123,120.00	$ 0.283	$ 34,832.88	$ 31,526.28	$ 33,897.62	$ 31,490.91
Reclaim Total	205,936.60		$ 53,956.89	$ 50,125.20	$ 52,226.20	$ 57,161.69
Adjusted Monthly Totals (1)	**CAWD Total**	$ 18,508.70		**Reclamation Total**		$ 67,987.66

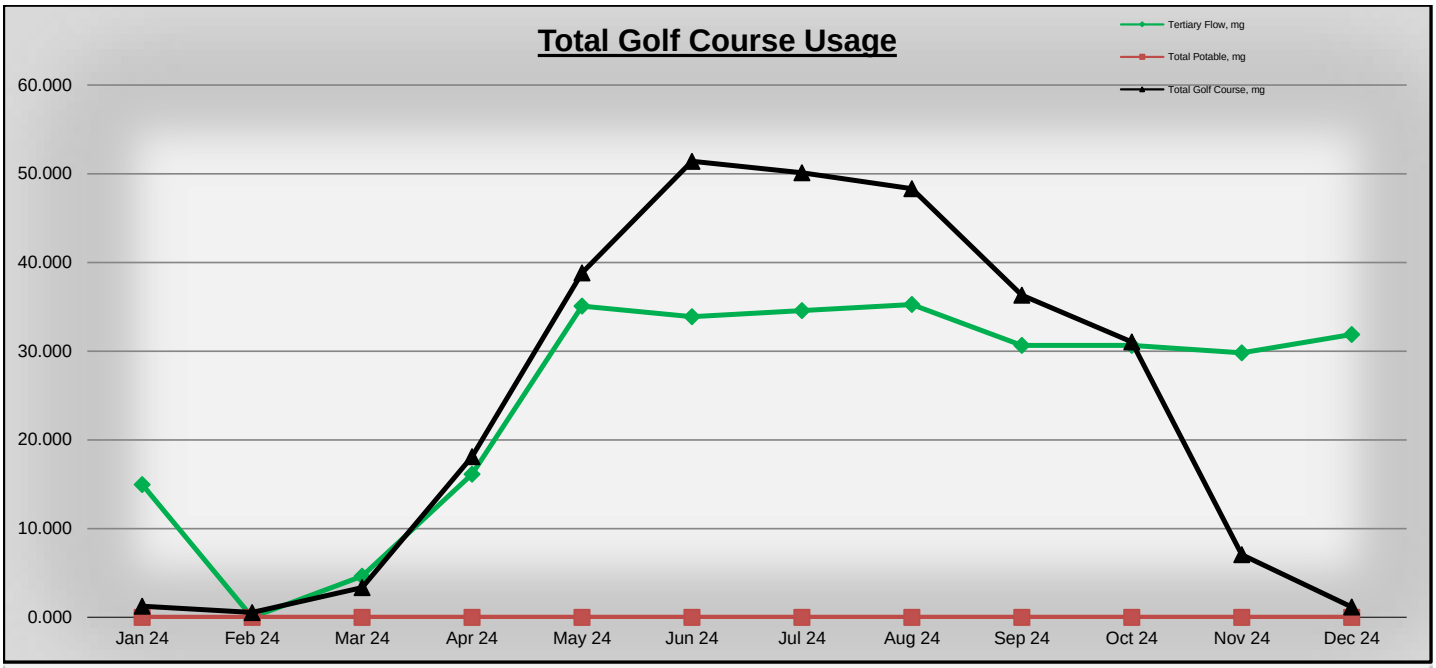
kW-h Per Acre Foot

	2023				2024			
	1 QTR	**2 QTR**	**3 QTR**	**4 QTR**	**1 QTR**	**2 QTR**	**3 QTR**	**4 QTR**
CAWD	773.12	1209.16	1205.69	1484.05	940.34	1159.32	1156.77	1178.47
Reclamation	2889.60	2142.43	1910.80	1951.37	2608.25	3138.42	1921.34	2018.55

MICROTURBINE SUMMARY

Month	**Dec'24 kW-h**	**Nov'24**	**Oct'24**	**Sep'24**	**Accumulated Totals**
Production,kW-h	21,577	23,146	20,544	22,389	1,529,569.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and Laboratory power usage.


Total Golf Course Usage
Tertiary Flow, mg
Total Potable, mg
Total Golf Course, mg
60.000
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40.000
30.000
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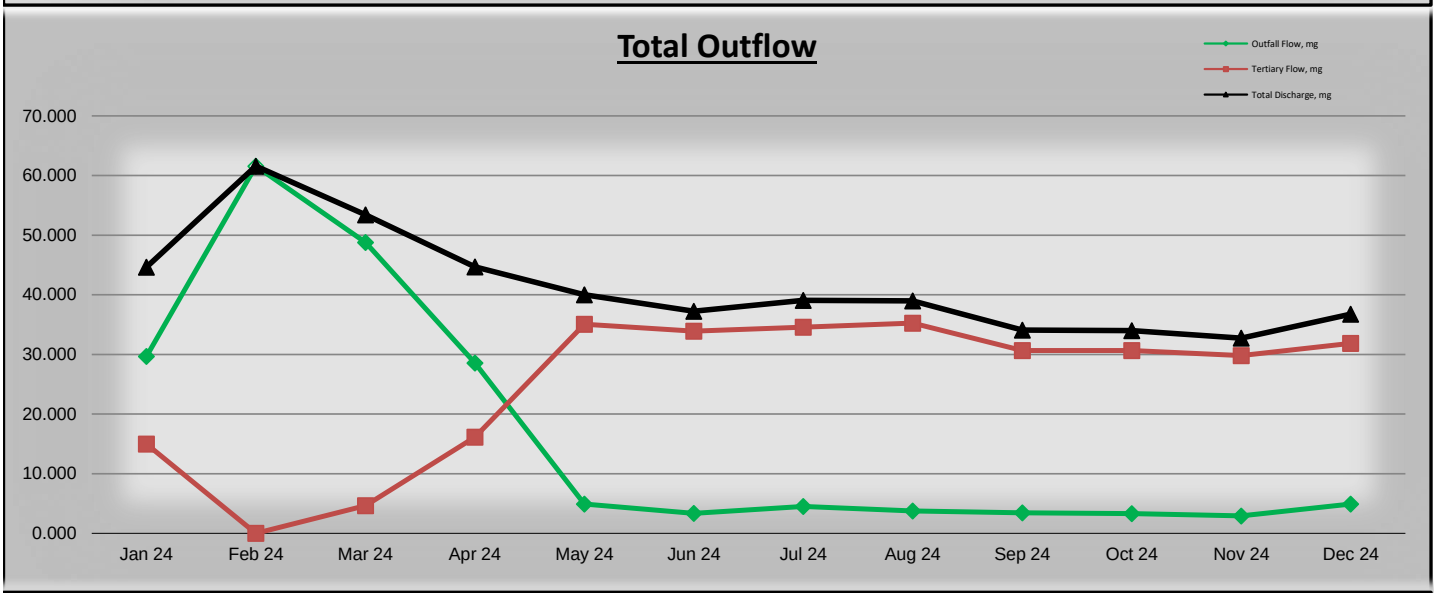
Total Outflow
Outfall Flow, mg
Tertiary Flow, mg
Total Discharge, mg
70.000
60.000
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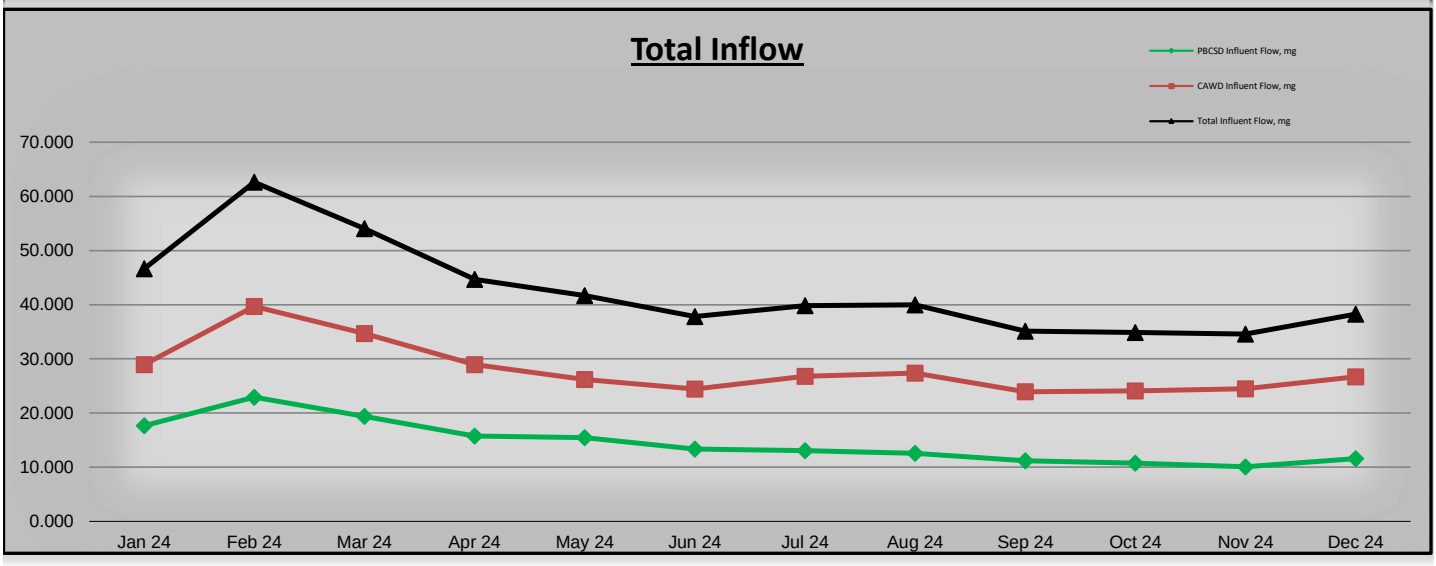
Total Inflow
PBCSD Influent Flow, mg
CAWD Influent Flow, mg
Total Influent Flow, mg
70.000
60.000
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40.000
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Jan 24
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Wastewater Treatment Facility Operations Report

	HYDRAULIC LOADINGS					2024 YEAR-TO-DATE	
Report for: November 2024	**Total Monthly, MG**	**Avg. Daily, MGD**	**Min Daily, MGD**	**Max Daily, MGD**	**% of Total**	**MG**	**acre-feet**
CAWD Flow	24.499	0.817	0.704	0.958	70.849	309.59	949.65
PBCSD Flow	10.080	0.336	0.268	0.552	29.151	162.26	497.72
Total Plant Flow	34.579	1.153	0.972	1.510	100.00	471.84	1447.37
Tertiary Flow	29.798	0.993	0.838	1.219	86.174	265.59	814.69
Ocean Discharge	2.928	0.098	0.074	0.152	8.468	194.81	597.59
Potable Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERTIARY PROCESS HISTORY

Total Annual Reclamation Production (2024)	265.59MG (814.69acre-ft.)
Total Lifetime Reclamation Production (94-24)	9.81 BG (30.11 K acre-ft.)
12 Month Rolling Total Reclamation Production	295.01 MG (905.39 acre-ft.)

ELECTRICAL COSTS

Monthly Totals	**Nov'24 kWh**	**Price per kWh**	**Nov'24**	**Oct'24**	**Sep'24**	**Aug'24**
Secondary	73,938.00	$ 0.241	$ 17,820.02	$ 17,868.70	$ 21,994.59	$ 23,660.40
Blowers	52,169.60	$ 0.230	$ 11,994.66	$ 11,706.78	$ 14,053.47	$ 15,364.91
CAWD Total	126,107.60		$ 29,814.68	$ 29,575.48	$ 36,048.06	$ 39,025.31
Tertiary	73,297.12	$ 0.254	$ 18,598.92	$ 18,328.58	$ 25,670.78	$ 27,565.08
MF/RO	107,508.00	$ 0.293	$ 31,526.28	$ 33,897.62	$ 31,490.91	$ 34,093.82
Reclaim Total	180,805.12		$ 50,125.20	$ 52,226.20	$ 57,161.69	$ 61,658.90

Adjusted Monthly Totals (1)	**CAWD Total**	$ 17,015.20	**Reclamation Total**	$ 62,924.68

kW-h Per Acre Foot

	2023				2024			
	1 QTR	**2 QTR**	**3 QTR**	**4 QTR**	**1 QTR**	**2 QTR**	**3 QTR**	**4 QTR**
CAWD	773.12	1209.16	1205.69	1484.05	940.34	1159.32	1156.77	N/A
Reclamation	2889.60	2142.43	1910.80	1951.37	2608.25	3138.42	1921.34	N/A

MICROTURBINE SUMMARY

Month	**Nov'24 kW-h**	**Oct'24**	**Sep'24**	**Aug'24**	**Accumulated Totals**
Production,kW-h	23,146	20,544	22,389	19,735	1,507,992.00

(1) Cost adjustment for Reclamation percentage for Secondary power costs and Laboratory power usage.


Total Golf Course Usage
Tertiary Flow, mg
Total Potable, mg
Total Golf Course, mg
60.000
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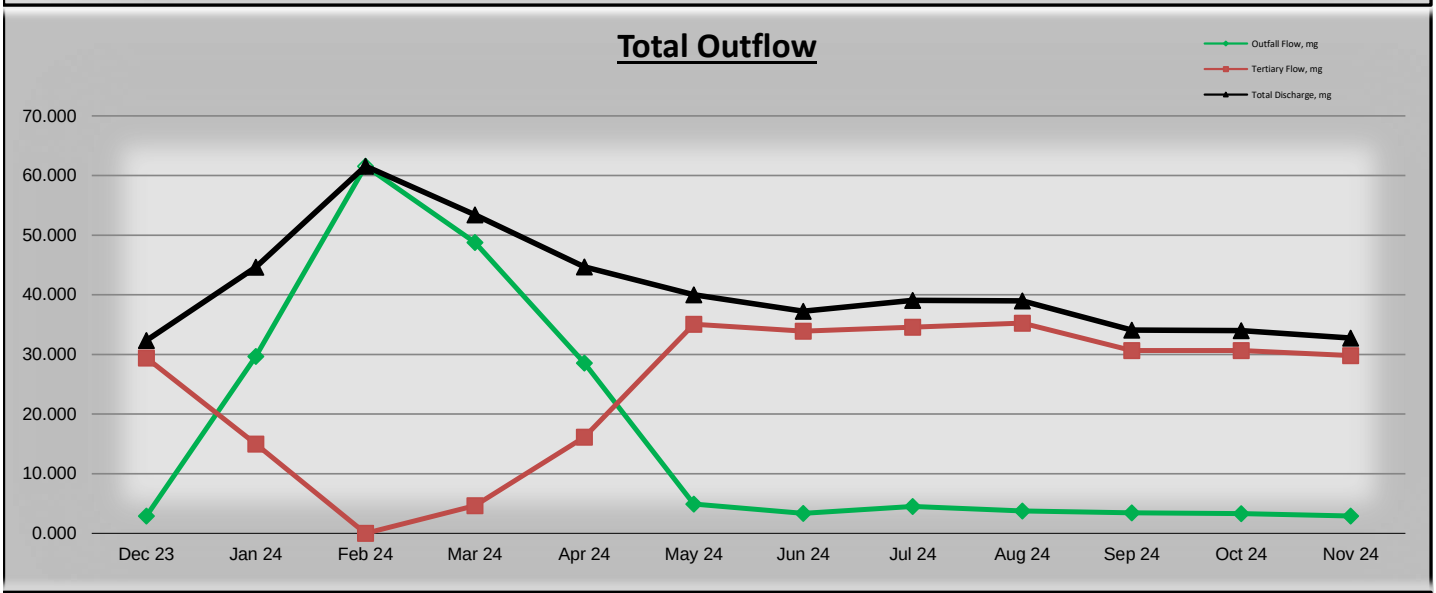
Total Outflow
Outfall Flow, mg
Tertiary Flow, mg
Total Discharge, mg
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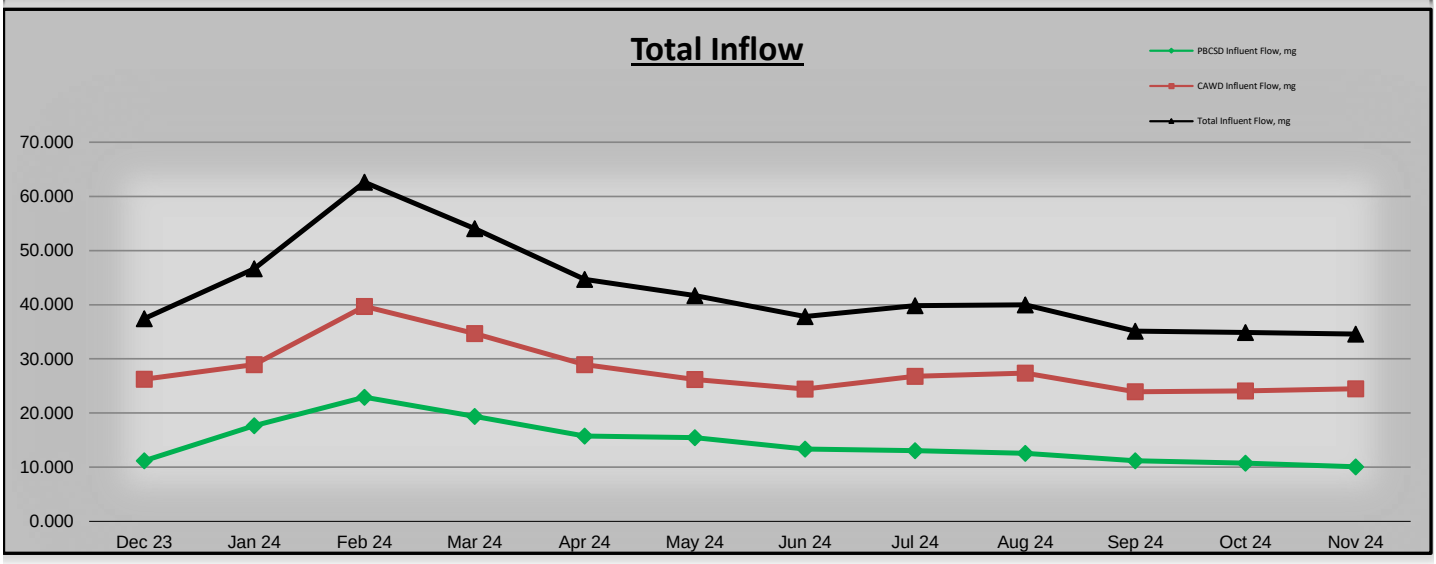
Total Inflow
PBCSD Influent Flow, mg
CAWD Influent Flow, mg
Total Influent Flow, mg
70.000
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Nov 24

STAFF REPORT

To: Board of Directors

From: Patrick Treanor, District Engineer

Date: February 27th, 2025

Subject: Monthly Lab Report

RECOMMENDATION

Receive Report - Informational only; no action required.

DISCUSSION

1. Staff completed sampling for ocean discharge toxicity testing and ocean plan priority pollutants.

2. Staff facilitated the monthly meeting of the Central Coast Long-term Environmental Assessment Network (CCLEAN).

3. Recruiting for a new Lab Manager is in progress.

4. Wastewater Public Health Surveillance Update: The following tables show a summary of wastewater plant influent public health surveillance testing.

Viruses	**Detected?**	**Current Trend**
SARS-CoV-2 (COVID)	Yes	Flat
Respiratory Syncytial Virus (RSV)	Yes	Decreasing
Influenza A and B	Yes	Elevated Flu Season Levels
Monkey Pox Virus (MPKV)	No	N/A

Note: Samples taken twice per week at CAWD Wastewater Treatment Plant. Tests completed by Verily Life Sciences LLC.

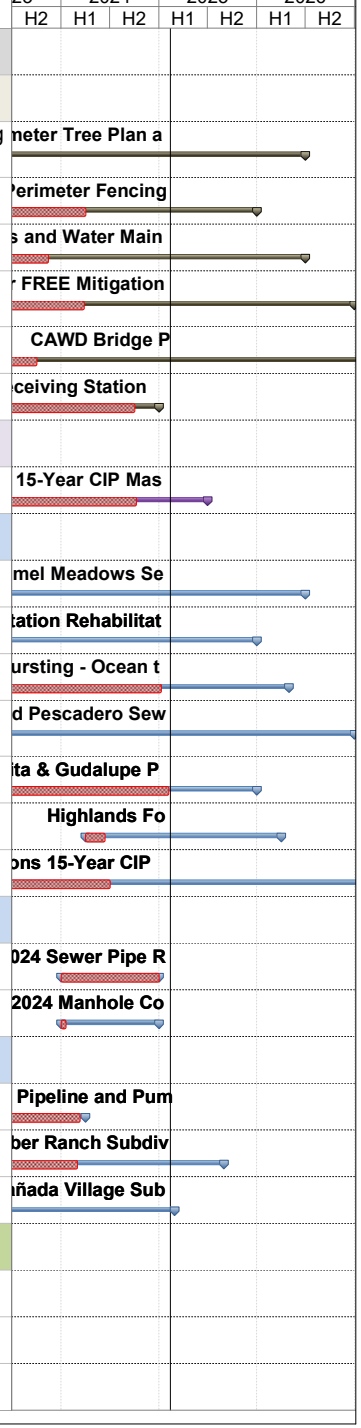
High Risk Substances	**Detected?**	**Trend**	**Above/Below US Average**
Fentanyl	Yes	Variable Up/Down	Below
Methamphetamine	Yes	Variable Up/Down	Below
Cocaine	Yes	Variable Up/Down	Below
Xylazine (Tranq)	No	N/A	Below

Note: Samples taken once per week at CAWD Wastewater Treatment Plant. Tests completed by Biobot Analytics.

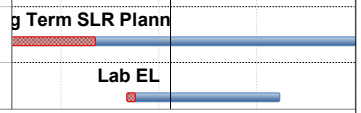
FUNDING

N/A Information Only

ID	Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status
0			Projects Implementation Plan Schedule						
1			Treatment Plant Capital Projects						
2	18-28	1626.000	Perimeter Tree Plan and Implementation	Bandy	7/1/19	6/30/26	$0	$5,020	Reviewing Height of Existing Native Trees
3	19-18	1593.000	Perimeter Fencing	Bandy	7/1/22	12/31/25	$25,000	$74,801	Design/CEQA
4	22-03	1639.000	WWTP Gas and Water Main Replacement	Bandy	5/2/22	6/30/26	$300,000	$478,944	30% Design
5	19-21	1993.000	Carmel River FREE Mitigation	Treanor	6/1/20	12/30/26	$0	$0	Pending County Funding Agreement
6	22-04	1642.000	CAWD Bridge Project	Treanor	3/1/21	2/29/28	$0	$12,994	Funding Strategy
7	22-06	1640.000	Vactor Receiving Station	Bandy	7/1/22	12/31/24	$575,000	$680,222	Construction Phase
8			Reclamation Capital Projects						
9	22-05	14794	Reclamation 15-Year CIP Master Plan	Bandy	8/2/22	6/30/25	$349,250	$537,696	In Progress
10			Collections Capital Projects						
11	19-03	1586.000	Carmel Meadows Sewer Replacement	Treanor	8/1/19	6/30/26	$300,000	$1,015,235	Design Update In Progress
12	20-07	1636.000	Bay/Scenic Pump Station Rehabilitation	Bandy	12/31/20	12/31/25	$150,000	$298,087	On Hold
13	20-08	1635.000	Scenic Rd Pipe Bursting - Ocean to Bay	Treanor	2/5/21	4/30/26	$2,000,000	$2,533,925	In Design / Permitting
14	21-05	1637.000	Carmel Woods and Pescadero Sewer Improvements	Treanor	7/1/21	12/31/26	$500,000	$723,629	In Design / CEQA
15	23-01	1643.000	Santa Rita & Gudalupe Pipeline Rehab	Treanor	1/1/23	12/31/25	$2,500,000	$2,653,098	Bid phase
16	24-04		Highlands Forcemain Retrofits	Bandy	4/1/24	4/1/26	$0	$0	Study Phase
17	20-06		Collections 15-Year CIP	Treanor	7/1/20	7/1/40	$0	$66,372,100	Work In Progress
18			Collections Non-Capital Projects						
19	24-01	6130.005	2024 Sewer Pipe Repairs	Treanor	1/1/24	12/31/24	$410,000	$410,000	In Progress
20	24-02	6140.005	2024 Manhole Coating	Treanor	1/1/24	12/31/24	$460,000	$460,000	On Hold
21			Assessment Districts/Annexations						
22	19-08	1632.000	Carmel Valley Manor Pipeline and Pump Station	Treanor	7/3/18	3/31/24	$0	$0	Startup Phase
23	18-29	2500.000	September Ranch Subdivision	Treanor	9/1/22	8/30/25	$0	$0	In Construction
24	23-03		Rancho Cañada Village Subdivision	Treanor	3/1/23	2/27/25	$0	$0	Sewer Agreement
25			Other Non-Capital Projects						
26			Workforce Now	Lauer			$0	$0	Time Card System Pilot
27			Real Property Investigation	Buikema			$0	$0	Ongoing
28			Cyber Security	Foley			$0	$0	Ongoing



ID	Project Number	GL	Task Name	Manager	Start	Finish	Current FY Budget	Cumulative Budget	Status
29	24-03	1644.000	Artificial Intelligence Pilot Project	Foley			$150,000	$242,924	In Progress
30			Source Control Six Sigma	Treanor			$0	$0	Restaurant Plumbing Inspections In Progress
31	22-01	5500.006	Long Term SLR Planning	Bandy	5/3/21	2/29/40	$250,000	$1,400,000	2023 Study Complete
32			Lab ELAP Accreditation	Treanor	9/2/24	3/27/26	$0	$0	In Progress



Treatment Plant Capital Project Summaries

Photo: Eucalyptus trees on South Side of Treatment Plant

Project Number:	**18-28**	
Project Name:	**Perimeter Tree Plan and Implementation**	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Bandy	
Status:	Reviewing Height of Existing Native Trees	
Project Description:	Planning and landscaping around the treatment plant. This will include looking into possibly replacing the non-native eucalyptus trees around the perimeter of the treatment plant with native tree species. The project will start with a study and a plan to determine costs, sequencing schedule, and visual impacts. The Eucalyptus trees around the plant have ongoing maintenance costs, which may be offset in the long term with a different type of tree screening. The purpose is to improve security around plant perimeter.	
Department:	Treatment	
Financial:	Cumulative Budget: $130,020	Cumulative Spent: $5,020
	FY Budget: $0	FY Spent: $0
Reclamation:	N/A	
Other Entities:	N/A	
Permits Required:	Currently unknown (In Study Phase)	
Challenges:	Time it will take for new trees to grow up that will fully screen treatment plant from view	
Schedule:	• Study moved to 2024; anticipate completion 06-30-26	
Consultants:	Scott Hall Landscape Design	
Contractor:	To Be Determined (TBD)	

Photo: Existing Dilapidated Fence

Project Number:	**19-18**	
Project Name:	**Perimeter Fencing**	
Project Location:	Wastewater Treatment Plant (WWTP)	
Project Manager:	Bandy	
Status:	Design/CEQA	
Project Description:	Install a new fence around the perimeter of the WWTP.	
Department:	Treatment	
Financial:	Cumulative Budget: $74,801	Cumulative Spent: $103,893
	FY Budget: $25,000	FY Spent: $54,093
Reclamation Share:	N/A	
Other Entities:	N/A	
Permits Required:	California Environmental Quality Act (CEQA) Mitigated Negative Declaration (MND), Coastal Developmental Permit (CDP) Notification	
Challenges:	Environmental Mitigations	
Schedule:	• Design in FY2022-2023 • Construction in FY2024-2025	
Consultants:	Kennedy Jenks	
Contractor:	TBD	

Photo: Gas Meter on North Side of River

Project Number:	**22-03**	
Project Name:	**WWTP Gas and Water Main Replacement**	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Bandy	
Status:	30% Design	
Project Description:	The WWTP natural gas and water utility service exists on the opposite side of the Carmel River from the WWTP. CAWD owns the piping under the river for these utilities. The water line and gas line are PVC and identified as having a high risk of failure. The gas line is needed for plant operations to provide supplementary heating to the digesters for thermophilic digestion.	
Department:	Treatment	
Financial:	Cumulative Budget: $478,944	Cumulative Spent: $181,533
	FY Budget: $300,000	FY Spent: $2,589
Reclamation Share:	N/A	
Other Entities:	Cost Share w/ Collections @ 5.5%	
Permits Required:	TBD	
Challenges:	Underground work in riparian area	
Schedule:	• Currently undergoing alternatives analysis study • Design in FY2022-2023 • Construction in FY2024-2025	
Consultants:	Kennedy Jenks	
Contractor:	N/A	

Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

Project Number:	**19-21**	
Project Name:	**Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation**	
Project Location:	Carmel River Lagoon	
Project Manager:	Treanor	
Status:	Pending County Funding Agreement	
Project Description:	The CRFREE Project intends to create a new river channel in the Carmel River lagoon floodplain, which will significantly impact existing wastewater pipelines that cross the lagoon. To fully mitigate impacts from CRFREE the pipelines, which are currently crossing over a portion of the lagoon, are proposed to be installed underground using Horizontal Directional Drilling construction methods.	
Department:	Engineering	
Financial:	Coastal Conservancy Grant Budget: $750,000	Cumulative Spent: $618,569
		FY Spent: $0
** Project is being funded by CRFREE initiated grants		
Reclamation Share:	N/A	
Other Entities:	Monterey County	
Permits Required:	Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Reginal Water Quality Control Board (RWQCB)	
Challenges:	Construction near environmentally sensitive habitat and obtaining new easement from State Parks	
Schedule:	• Construction anticipated in 2025	
Consultants:	Design: Kennedy Jenks and Staheli Trenchless CEQA: Johnson Marigot	
Contractor:	TBD	

Photo: Conceptual Rendering of Public Use and Bridge

Project Number:	**22-04**	
Project Name:	**CAWD Bridge and Trail Project**	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Treanor	
Status:	Funding Strategy	
Project Description:	Construct a new bridge at the location of the existing CAWD bridge over the Carmel River. The Bridge would be open for public use and would allow for new walking trails to connect the City of Carmel-by-the-Sea (Mission Trail) to the Regional Parks (Palo Corona).	
Department:	Treatment	
Financial:	Cumulative Budget: $12,994	Cumulative Spent: $14,935
	FY Budget: $0	FY Spent: $1,941
**No budget. Funding potential via Carmel River settlement grants.		
Reclamation Share:	N/A	
Other Entities:	State Parks, Diocese of Monterey, City of Carmel-by-the-Sea, Regional Parks District	
Permits Required:	TBD	
Challenges:	Obtaining Funding and Community Support	
Schedule:	Currently working on video and marketing outreach effort	
Consultants:	TBD	
Contractor:	TBD	

Photo: CAWD Vactor Truck

Project Number:	**22-06**	
Project Name:	**Vactor Receiving Station**	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Bandy	
Status:	Construction Phase	
Project Description:	Construct a new Vactor Receiving Station for the Collections Department and the disposal of waste collected in the vactor truck.	
Department:	Treatment	
Financial:	Cumulative Budget: $680,222	Cumulative Spent: $190,656
	FY Budget: $575,000	FY Spent: $85,434
Reclamation Share:	N/A	
Other Entities:	N/A	
Permits Required:	Coastal Developmental Permit (CDP) Notification	
Challenges:	Design for ultimate user satisfaction.	
Schedule:	Construction starts in June 2024	
Consultants:	Kennedy Jenks	
Contractor:	TBD	

Reclamation Capital Project Summaries

Photo: Exterior of Tertiary Building

Project Number:	**22-05**	
Project Name:	**Reclamation MF/RO and Tertiary System 15-Year Capital Improvement Program (CIP) Master Plan**	
Project Location:	Reclamation – Microfiltration (MF)/Reverse Osmosis (RO) and Tertiary Building	
Project Manager:	Bandy	
Status:	In Progress	
Project Description:	Asset management condition and risk evaluations, development of projections of capital expenditures, and preliminary engineering planning	
Department:	Treatment	
Financial:	Cumulative Budget: $537,696	Cumulative Spent: $91,609
	FY Budget: $349,250	FY Spent: $91,609
Reclamation Share:	100%	
Other Entities:	Reclamation Project	
Permits Required:	None	
Challenges:	Complexity	
Schedule:	Planning Process will extend into FY 2025/2026	
Consultants:	Kennedy Jenks Trussell Technologies, Inc	
Contractor:	N/A	

Collections Capital Project Summaries

Photo: View gravity pipe in Carmel easement

Project Number:	**19-03**	
Project Name:	**Carmel Meadows Sewer Replacement**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Design Update in Progress	
Project Description:	The project will replace 1,300 feet of Ductile Iron Pipe (DIP) on an aerial span and eight manholes by constructing a small pump station at the end of Mariposa Drive. This project is located on an easement parallel to Ribera Road and was originally installed in the early 1960's.	
Department:	Collections	
Financial:	Cumulative Budget: $1,015,235	Cumulative Spent: $803,726
	FY Budget: $300,000	FY Spent: $83,883
Permits Required:	Coastal Permit and Environmental Review	
Challenges:	Redirecting the sewer to the pump station without requiring ejector pumps.	
Schedule:	Design and Environmental Review completed 6/28/22. Construction on hold for permitting.	
Consultants:	TBD	
Contractor:	TBD	

Photo: Looking at Pump Station Exterior

Project Number:	**20-07**	
Project Name:	**Bay/Scenic Pump Station Rehabilitation**	
Project Location:	Collection System	
Project Manager:	Bandy	
Status:	On Hold	
Project Description:	Remodel the interior of the pump station and update the SCADA panel to minimize areas prone to flooding.	
Department:	Collections	
Financial:	Cumulative Budget: $298,087	Cumulative Spent: $148,087
	FY Budget: $150,000	FY Spent: $0
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Coastal Commission	
Permits Required:	Exemptions from CEQA and Coastal dependent on panel location requirements.	
Challenges:	Traffic Control, Panel Location away from bluff	
Schedule:	Construct 2023/2024 Fiscal Year	
Consultants:	TBD	
Contractor:	Pending	

Photo: Pipe Bursting Limits on Scenic

Project Number:	**20-08**	
Project Name:	**Scenic Rd Pipe Bursting - Ocean to Bay**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	In Design / Permitting	
Project Description:	Replace approximately 10,561 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation.	
Department:	Collections	
Financial:	Cumulative Budget: $2,533,925	Cumulative Spent: $653,850
	FY Budget: $2,000,000	FY Spent: $77,198
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Coastal Commission	
Permits Required:	CEQA & Coastal Development permits from City and County	
Challenges:	Traffic control & poorly mapped underground utilities. Cultural Resources at southern end of project.	
Schedule:	CEQA complete 2/1/2024, Construction 2025	
Consultants:	MNS, Rincon, TBC Communications	
Contractor:	Pending	

Photo: Sewer Line at Pescadero Creek

Project Number:	**21-05**	
Project Name:	**Carmel Woods and Pescadero Sewer Improvements**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	In Design / CEQA	
Project Description:	Install new pipe in road to divert majority of flow from pipe on slope.	
Department:	Collections	
Financial:	Cumulative Budget: $723,629	Cumulative Spent: $300,793
	FY Budget: $500,000	FY Spent: $61,773
Reclamation Share:	0%	
Other Entities:	N/A	
Permits Required:	Environmental Review	
Challenges:	Narrow road, depth of manholes, environmentally sensitive area	
Schedule:	Start design, public outreach, & Environmental in Winter 2023.	
Consultants:	MNS, Denise Duffy, TBC Communications & Media	
Contractor:	TBD	

Santa Rita & Guadalupe #23-01

Project Number:	**23-01**	
Project Name:	**Santa Rita & Guadalupe**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Bid Phase	
Project Description:	Approx. 5,800 ft of 6”vitrified clay pipe to be replaced with 8” HDP	
Financial:	Cumulative Budget: $2,653,098	Cumulative Spent: $204,376
	FY Budget: $2,500,00	FY Spent: $38,557
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea,	
Permits Required:	None	
Challenges:	Traffic Controls	
Schedule:	Construct in 2025. Preliminary Plans Complete.	
Consultants:	MNS Engineers	
Contractor:	TBD	

Highlands Force Main Retrofits #24-04

Project Number:	**24-04**	
Project Name:	**Highlands Force Main Retrofits**	
Project Location:	Collection System	
Project Manager:	Bandy	
Status:	Study Phase	
Project Description:	Proposed pipeline repairs to existing flushing connections, and air release valves. Includes provisions for potentially connecting the Point Lobos sewer to the District sewer at a location closer to Point Lobos to allow existing Point Lobos Force Main to be transferred to CAWD as a backup pipeline.	
Financial:	Cumulative Budget: $0	Cumulative Spent: $0
	FY Budget: $0	FY Spent: $0
Other Entities:	California State Parks	
Permits Required:	CalTrans Encroachment	
Challenges:	Construction along Hwy 1	
Schedule:	TBD	
Consultants:	MNS Engineers	
Contractor:	TBD	

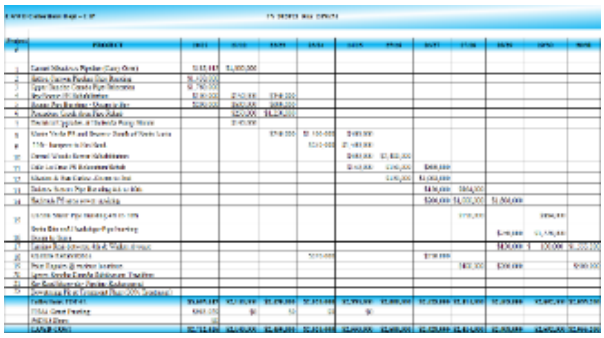


Photo: LT Capital Schedule

Project Number:	**20-06**	
Project Name:	**Collections 15 -Year CIP**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Work in Progress	
Project Description:	Utilize updated sewer line inspection information and flow modeling to develop a 20-year Construction Improvement Plan	
Department:	Collections	
Projection of Total Capital Costs-15-Yr $63M	Construction Costs: $66M	Administration Costs: $10M (20% engineering, legal, admin.)
Financial:	Cumulative 15YR Budget: EST $66M	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
Reclamation Share:	0%	
Other Entities:		
Permits Required:	none	
Challenges:	Magnitude and complexity.	
Schedule:	2020 - 2040	
Consultants:	West Yost	
Contractor:	N/A	

Collections Non-Capital Project Summaries

Photo: Pipe Repairs

Project Number:	**24-01**	
Project Name:	**2024 Sewer Pipe Repairs**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	In Progress	
Project Description:	Miscellaneous repairs of existing pipes in the collection system	
Department:	Collections	
Financial:	Cumulative Budget: $410,000	Cumulative Spent: N/A
	FY Budget: $410,000	FY Spent: 0
Other Entities:	N/A	
Permits Required:	City and County Encroachment Permits	
Challenges:	Varied site conditions from location to location, as well as various types of deficiencies to repair throughout the collections system.	
Schedule:	2024 thru 2025	
Contractor:	TBD	

Photo: Inside of Sewer Manhole

Project Number:	**24-02**	
Project Name:	**2024 Manhole Coating**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	On Hold	
Project Description:	Coating manholes to extend life span	
Department:	Collections	
Financial:	Cumulative Budget: $460,000	Cumulative Spent: N/A
	FY Budget: $460,000	FY Spent: 0
Other Entities:	N/A	
Permits Required:		
Challenges:		
Schedule:		
Contractor:	TBD	

Assessment Districts/Annexations

Photo: Entrance to Carmel Valley Manor

Project Number:	**19-08**	
Project Name:	**Carmel Valley Manor Pipeline and Pump Station**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Startup Phase	
Project Description:	Sewer extension project to be completed by the owners of Carmel Valley Manor to connect to CAWD's sewer system.	
Department:	Collections	
Financial: this is an unbudgeted item- under repayment agreement (no funds received)-	Cumulative Budget: $0	Cumulative Spent: $180
	FY Budget: $0	FY Spent: $0
Other Entities:	Various Private Land Owners	
Permits Required:	County Encroachment Permit, Easements through Private Property, Environmental Review	
Challenges:	Funding, Repayment Agreement, easement agreements, Local Agency Formation Commission (LAFCO) annexation	
Schedule:	Construction Completion Anticipated in July 2024 (project over schedule)	
Consultants:	MNS and Rincon are working for Carmel Valley Manor	
Contractor:	Monterey Peninsula Engineering	

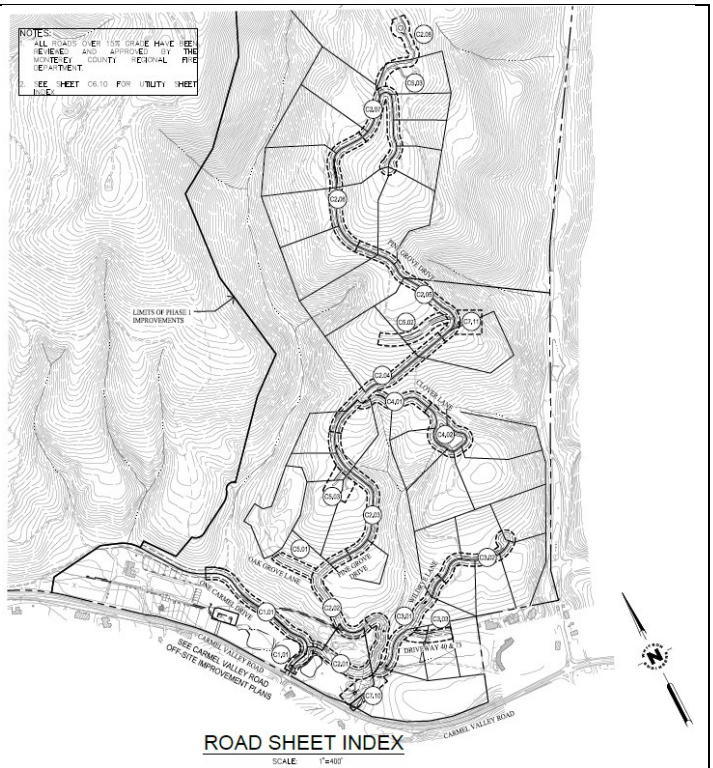


Photo: Map of September Ranch Subdivision

Project Number:	**18-29**	
Project Name:	**September Ranch Subdivision**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	In Construction	
Project Description:	New housing subdivision is being built. Sewer infrastructure is being constructed by developer under jurisdiction of CAWD. Approximately 35 undeveloped lots.	
Department:	Collections	
Financial: this is an unbudgeted item- under repayment agreement	Cumulative Budget: $0	Cumulative Spent: $
	FY Budget: $0	FY Spent: $0
Other Entities:	N/A	
Permits Required:	Developer Obtained Permits	
Challenges:	Construction by developer.	
Schedule:	Construction in 2024	
Consultants:	MNS Engineers, Inc.	
Contractor:	Don Chapin	

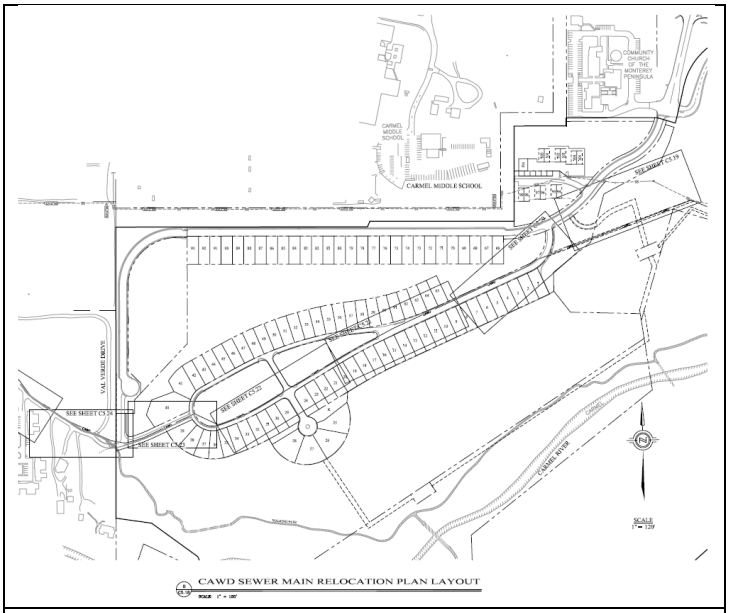


Photo: Location of Rancho Cañada Village Subdivision

Project Number:	**23-03**	
Project Name:	**Rancho Cañada Village Subdivision**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Sewer Agreement	
Project Description:	New housing subdivision is being built. Sewer infrastructure is being constructed by developer under jurisdiction of CAWD.	
Department:	Collections	
Financial: this is an unbudgeted item- under repayment agreement	Cumulative Budget: $0	Cumulative Spent: $
	FY Budget: $0	FY Spent: $0
Other Entities:	N/A	
Permits Required:	Developer Obtained Permits.	
Challenges:	Construction by developer.	
Schedule:	Construction Pending	
Consultants:	Unknown	
Contractor:	Unknown	

Other Non-Capital Project Summaries

ADP Workforce Now

Photo: ADP Clip Art		
Project Number:	**N/A**	
Project Name:	**Workforce Now**	
Project Location:	All Supervisor Locations	
Project Manager:	Foley	
Status:	Implementation-Time Card System Pilot ongoing	
Project Description:	Implementation of a comprehensive Human Resource (HR) software database for all supervisors and employees to utilize. Modules provide employee development tracking, benefits administration, custom performance review templates, and employee goal management.	
Department:	Administration	
Financial:	Cumulative Budget: $0	Cumulative Spent: $2,520 (annual fee)
	FY Budget: $0	FY Spent: $2,520 (annual fee)
Challenges:	Technical issues need to be resolved & employee training. Implementation of advanced features for employee development and learning management.	
Schedule:	Currently working on Timesheet component.	
Consultants:	ADP	

REAL ESTATE

Photo: Real Estate Clip Art		
Project Number:	**N/A**	
Project Name:	**Real Property Investigation**	
Project Location:	Carmel Valley	
Project Manager:	Barbara Buikema	
Status:	Ongoing	
Project Description:	An investigation of a possible new treatment facility site in the mouth of the Carmel Valley, which is in response to the Coastal Commission.	
Department:	Administration	
Financial:	Cumulative Budget: $75,000	Cumulative Spent: $0
	FY Budget: $75,000	FY Spent: $0
Permits Required:	None – at this time	
Challenges:	Limited land possibilities, regulatory hurdles, and zoning	
Schedule:	open ended	
Consultants:	Mahoney & Associates	

Photo: Cyber Security Clip Art

Project Number:	**N/A**	
Project Name:	**Cyber Security**	
Project Location:	District-wide	
Project Manager:	Foley	
Status:	Ongoing	
Project Description:	Internal Cyber Security Incident Response Team (CSIRT) formed, and they are working on a response plan & training. The upgrades to email filtering system have been completed. Stricter geofencing policies have been put in place, and a cold backup system that is sandboxed from the network was installed March 2022.	
Department:	All	
Financial:	Cumulative Budget: $0	Cumulative Spent: $0
	FY Budget: $0	FY Spent: $0
Challenges:	Ongoing training & the need for continual upgrades as skills of hackers grow.	
Schedule:	Continually updating	
Consultant:	Exceedio	

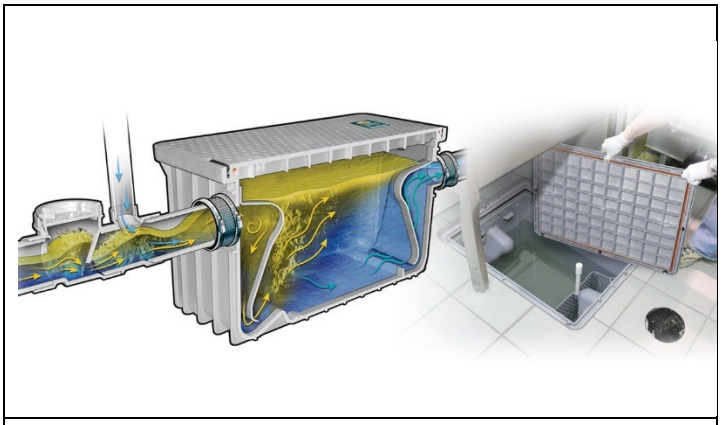


Photo: Grease Trap Graphic

Project Number:	**N/A**	
Project Name:	**Source Control -Environmental Compliance -Six Sigma**	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Restaurant Plumbing Inspections In Progress	
Project Description:	A Six Sigma project to improve source control for grease laden wastewater being discharged from restaurants. Grease problems are ongoing and require more oversight of restaurants grease control activities.	
Department:	Engineering	
Financial:	Cumulative Budget: $0	Cumulative Spent: $2,000
	FY Budget: $0	FY Spent: $0
Permits Required:	None	
Challenges:	Restaurant plumbing.	
Schedule:	Ongoing	
Consultants:	Carmel Fire	

Photo: Futuristic Circuitry

Project Number:	**24-03**	
Project Name:	**Artificial Intelligence Pilot Project**	
Project Location:	Treatment Plant	
Project Manager:	Foley	
Status:	In Progress	
Project Description:	A Pilot Project to test run new artificial intelligence algorithms on time series operating data being gathered in the existing Supervisory Control and Data Acquisition (SCADA) system. The new algorithms will be designed to conduct multivariate analysis of data for Anomaly Detection, and multivariate computations for process control. Initial investment in new computer hardware and software may be necessary as system requirements.	
Department:	Administration	
Financial:	Cumulative Budget: $242,924	Cumulative Spent: $145,975
	FY Budget: $150,000	FY Spent: $53,050
Permits Required:	N/A	
Challenges:	• Determining Hardware and Software needs to fulfill system requirements to run algorithms. • Database restructuring.	
Schedule:	Work started in March 2024 and is anticipated to continue through end of Fisal Year (FY) 24-25.	
Consultants:	Enterprise Automation	

Photo: California coastline

Project Number:	**22-01**	
Project Name:	**Long-Term Sea Level Rise Planning**	
Project Location:	Treatment Plant	
Project Manager:	Bandy	
Status:	2023 Study Complete	
Project Description:	As conditions of Coastal Permit #3-82-199-A8 - the District submitted its Long-Term Coastal Hazards Plan on 03-03-22.	
Department:	Administration	
Financial:	Cumulative Budget: $1,400,00	Cumulative Spent: $219,862
	FY Budget: $250,000	FY Spent: $219,862
Permits Required:	In response to California Coastal Commission	
Challenges:	Establishing focus on long term objectives and committing to follow through items as outlined.	
Schedule:	Most recent study completed in 2023. Next study to start in 2024 or 2025.	
Consultants:	Greeley & Hansen	

Photo: CAWD Lab

Project Number:	**N/A**	
Project Name:	**Lab ELAP Accreditation**	
Project Location:	Laboratory	
Project Manager:	Treanor	
Status:	In Progress	
Project Description:	State Water Quality Control Board Environmental Lab Accreditation Program (ELAP) ensures laboratories generate environmental and public health data of known, consistent, and documented quality to meet stakeholder needs.	
Department:	Laboratory	
Financial:	Cumulative Budget: $0	Cumulative Spent: $0
	FY Budget: $0	FY Spent: $0
Permits Required:	N/A	
Challenges:	Current accreditation expires in December 2024. To properly apply for accreditation will require more than 1-year of preparation to account for conducting ongoing lab duties.	
Schedule:	Goal to apply for renewed accreditation in early 2026	
Consultants:	N/A	

STAFF REPORT

To: Board of Directors

From: Ed Waggoner, Operations Superintendent

Date: February 27, 2025

Subject: Monthly Operations Reports – January 2025

RECOMMENDATION
Receive Report- Informational only; no action required.

DISCUSSION

Plant Operation

Treatment Plant:

- The treatment plant operations staff has continued finishing projects and concentrating on Preventative Maintenance Work Orders during the month of January.
- On January 15, Operations worked with DC Frost and Associates to set up a maintenance service on the Ashbrook Beltpress.
- Operation staff assisted Operations Superintendent in gathering information and data for the annual operations reports required by state and federal agencies.
- Operations staff started the polymer upgrade project to be able to receive polymer in bulk rather than in 275 gallon totes.

Reclamation:

- January 14, intermittent water production started as the Forest Lake Reservoir reached 115 million gallons.
- January 14, site visit from H2O Innovations to discuss Microfiltration (MF) and Reverse Osmosis Systems (ROS) performance and potential new cleaning regimens.
- Staff continued preventative maintenance work on pumps, motors, and any equipment that needed maintenance for the Microfiltration (MF) and Reverse Osmosis Systems (ROS).
- MF cells #1, #2, and #3 were cleaned successfully with Trans Membrane Pressures (TMPs) pressures ranging between 1.8 to 5.5 pounds per square inch (psi).
- RO Trains B and C are operationally set for 90 percent recovery of feed water.

Training:

- Staff participated in scheduled tailgate safety meetings in the digester building conference room.
- January 23, Operations Superintendent attended a Zoom webinar on "Rapid Recovery for Utilities Affected by Wildfires" presented by CAL Warn of Northern California.
- January 28, Operations Superintendent and Senior Operators attended in person training on "Aeration Benefits in Secondary Treatment" by Monterey Bay Section of the California Water Environment Association at Monterey One Water.

Meetings Attended

- Weekly, Friday meetings with Sean Dingman on the new Mobile Maintenance Management Software. These meetings are designed to fine tune work orders, asset hierarchy, and general program navigation.
- Weekly, Tuesday meetings with the Klir program representative on organizing all of Carmel Area Wastewater District (CAWD) operational permits.
- Weekly, Wednesday progress meetings with the Principal Engineer and Monterey Peninsula Engineering on the Vactor Receiving Station construction.
- January 9, Operations Superintendent attended a Zoom meeting with the Water Awareness Committee of Monterey County.
- January 16, Operations Superintendent attended a Zoom meeting with the Monterey Bay Water Works Association for upcoming training events.

Annual Reports for 2024

- Submitted the following Annual reports:
  - Annual Report for National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012, which included annual outfall inspection and Bio-solids disposal.
  - Annual Report for Reclamation Permit 93-72.
  - Environmental Protection Agency Sewage Sludge (Biosolids) Annual Report Permit CAL047996
  - CalRecycle Annual (4th Quarter) Biosolids Report Permit RD10733

Discharge Permit Violations

- There were no violations of Reclamation Permit 93-72 for the month of December 2024.
- There were no violations of the National Pollutant Discharge Elimination System (NPDES) Number CA0047996, Order No. R3-2014-0012 within the month of December 2025.

FUNDING-N/A-Informational item only

STAFF REPORT

To: Board of Directors

From: Chris Foley, Maintenance Superintendent

Date: February 27, 2025

Subject: Monthly Maintenance Report – January 2025

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

Maintenance Projects in Progress/Completed

Chlorine Contact Channel Sludge Pump Automation
The pumps that remove solids build up in the chlorine contact channels were upgraded. New piping with quick disconnects and automation was added to the system. The pumping time is now controlled from Supervisory Control and Data Acquisition System (SCADA) and can be trended. The goal is to optimize the runtime to minimize the amount of sludge build. If successful, this will reduce the need to perform a confined space entry to manually clean the channels.

Process Report Training
Staff attended a live online class on the new process report software called eRIS. This software is used to build and edit daily/monthly operational reports. Staff are now able to edit and manage operational reports. The daily flow and chlorine reports are in production and staff are working with Enterprise Automation on the monthly report templates.

Reclamation Programmable Logic Controller (PLC) Upgrade
Rockwell Automation was onsite and completed the upgrade of the Input/Output cards. The existing network was a serial network similar to the large plugs on an old printer. The updated network is Ethernet, the same technology used to plug in a laptop to access the internet. The serial network is no longer supported, and a failure would have caused a prolonged shutdown of the system. The new system matches the rest of the systems in the treatment plant.

Reclamation Flowmeter Replacement
The Reverse Osmosis (RO) Train A flowmeters were replaced. All 3 RO train flowmeter sets have now been upgraded. The blend line flowmeter was replaced. This flowmeter is critical and at the end of its useful life.

Secondary Clarifier 2 Skimming Arm Repair
The skimmer arm blade was replaced with an improved design so the end of the arm can be removed for maintenance. It was previously welded and bolted to the main arm which made it difficult to remove and repair. The new arm has u-bolts so it can be easily removed. The skimmers have wear items and require annual maintenance.

Upcoming Maintenance Projects

Hacienda Generator Replacement
The new generator has arrived and is scheduled for installation in February. The existing station generator failed and a portable generator has been connected to the pump station until the new generator is installed.

Boiler Building Sump Piping
The building sump discharge piping was removed during the sludge holding project and a temporary solution was installed. A new permanent pipe will be installed from the sump to the sludge holding tank.

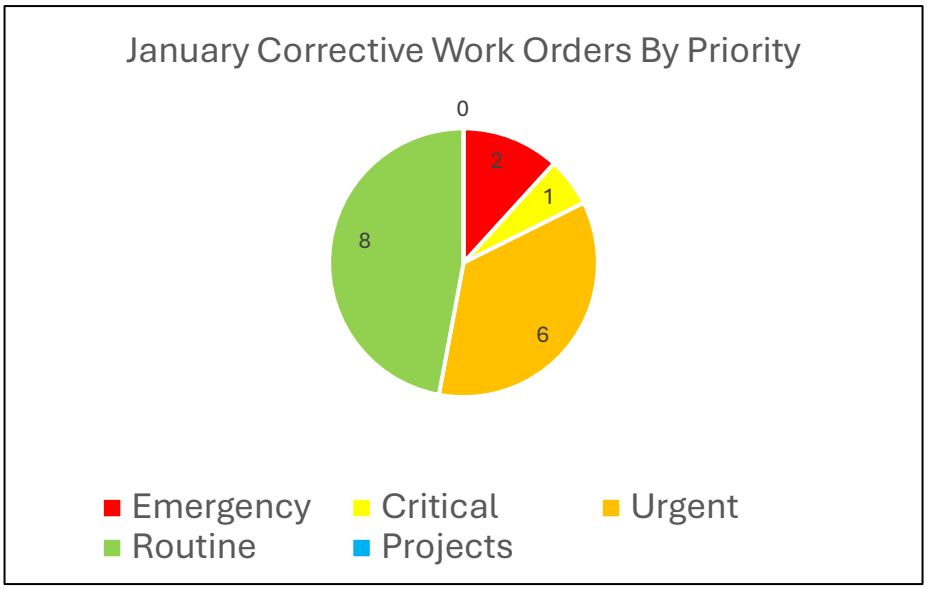
Microsoft Training
Staff are working on a Microsoft training plan for staff to better utilize the Microsoft applications. This is an important step to improve data collections and document management. Staff are familiar with standard applications such as Outlook, Excel and Word so this training will focus on OneDrive, Teams and SharePoint. The training will take place onsite using our systems to minimize travel time and provide the most value since it will be on our systems.

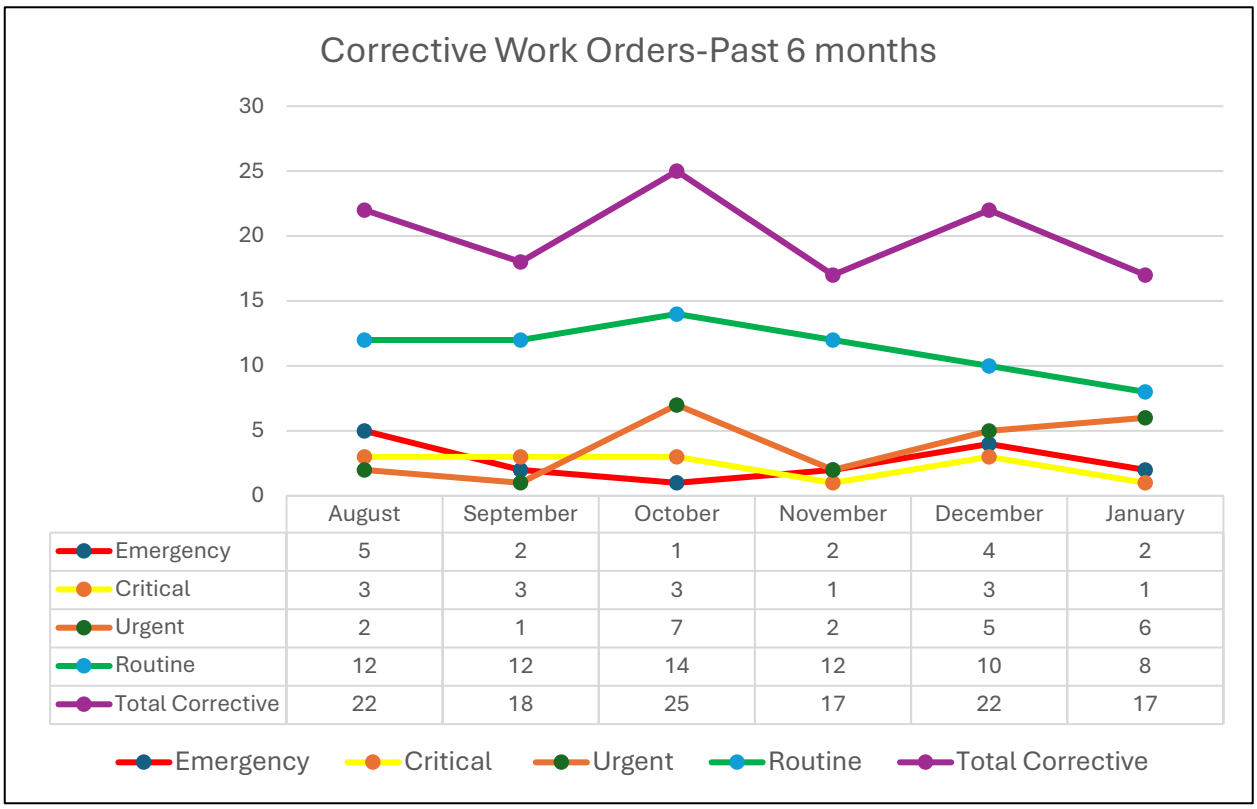
Work Order Metrics

Preventive Maintenance (January)

Total Work Orders Generated	75
Total Work Orders Closed/Done	67
Total Work Orders Still Open	8
Percentage of Work Orders Completed	89%

Corrective Maintenance





FUNDING-N/A- Informational item only

STAFF REPORT

To: Board of Directors

From: Patrick Treanor, District Engineer

Date: February 27th, 2025

Subject: Source Control Update

RECOMMENDATION

Receive Report- Informational only; no action required.

DISCUSSION

This report is an update on Source Control activities associated with Fats, Oils, and Grease (FOG) discharge control activities.

CAWD conducted drainage fixture surveys at 1 restaurant/commercial kitchen in the past month. There has been a total of 73 restaurants inspected since the start of 2024 (about 100 restaurants total are in operation in the CAWD service area). CAWD is conducting these surveys as part of information gathering within restaurants subject to CAWD grease control ordinances.

Below are the findings of the last round of inspections:

Restaurant	Fixtures Not Connected to Grease Trap	Grease Trap Undersized	Unlawful Disposal
Highlands Inn (Pacific's Edge)	Yes	No	No

Note: "Yes" denotes a violation of CAWD Ordinances

FUNDING

N/A Information Only

Resolutions

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, GM

Date: February 27, 2025

Subject: General Manager Cost Of Living Adjustment (COLA)

RECOMMENDATION

Recommend the Board authorize a resolution approving the General Manager's Cost of Living (COLA) adjustment of 2.8% effective July 1, 2024.

DISCUSSION

In the past the Salary & Benefits Committee has approved the General Manager COLA and then forwarded it to the full Board for approval. This year with Director Rachel's passing that did not happen. Therefore, I am requesting the Board to approve the same COLA that staff received last July.

Additionally, I have attached CASA 2024 Survey results showing agencies with 50 or fewer employees, and showing all agencies.

FINANCIAL

There is sufficient funding to cover this increase. The twelve month cost is $6,608.

2024 CASA Salary Survey
<50 plus M1W

AGENCY	TOTAL EMP EE	AVG ANNUAL FLOW (MGD)	GEN MGR (MIN)	GEN MGR (MAX)
Camrosa Water District	26	460	$21,722	$21,722
Carmel Area Wastewater District	27	1	$20,217	$20,217
Castro Valley Sanitary District	23	3.5	$22,747	$22,747
Crestline Sanitation District	19	0.6	$11,667	$11,667
East Bay Dischargers Authority	3	71	$19,263	$23,414
Goleta Sanitary District	33	5.2	$22,622	$22,622
Mammoth Community Water District	44	1.1	$21,889	$21,889
Monterey One Water	99	17	$25,639	$26,357
Mt. View Sanitary District	19	1.2	$22,784	$22,784
Las Gallinas Valley Water District	29	2.19	$27,725	$27,725
Leucadia Wastewater District	19	3.84	$23,453	$23,453
Rodeo Sanitary District	8	0.9	$21,574	$21,574
San Bernardino Valley Municipal Water District	35		$27,709	$27,709
Sanitary District No. 5 of Marin County	12	0.65	$14,583	$19,543
Santa Ynez Community Service District	6	0.1	$15,773	$15,773
Selma- Kingsburg- Fowler County Sanitation District	32	4	$14,167	$14,167
Truckee Sanitary District	42	1.98	$22,721	$22,721
Victor Valley Wastewater Reclamation Authority	49	12	$21,356	$21,356
MIN / MAX			**$ 11,667**	**$ 27,725**
MEDIAN	**27**	**2**	**$21,806**	**$22,256**
AVERAGE (Mean)	**29**	**35**	**$ 20,978**	**$ 21,524**
Carmel Area Wastewater District	**27**	**1.25**	**$20,217**	**$20,217**
Over Under Median			**-7%**	**-9%**
Over Under Average			**-4%**	**-6%**

2024 Casa Survey - ALL

AGENCY	TOTAL EMP EE	AVG ANNUAL FLOW (MGD)	GEN MGR (MIN)	GEN MGR (MAX)
Camrosa Water District	26	460	$21,722	$21,722
Carmel Area Wastewater District	27	1.25	$20,217	$20,217
Castro Valley Sanitary District	23	3.5	$22,747	$22,747
Crestline Sanitation District	19	0.6	$11,667	$11,667
Delta Diablo Sanitation District	75	13.7	$27,284	$27,284
Dublin San Ramon Services District	141	13.43	$26,760	$26,760
East Bay Dischargers Authority	3	71	$19,263	$23,414
East Bay Municipal Utility District	304	64.4	$17,895	$27,141
Goleta Sanitary District	33	5.2	$22,622	$22,622
Inland Empire Utilities Agency	354	51.7	$29,183	$29,183
Mammoth Community Water District	44	1.1	$21,889	$21,889
Monterey One Water	99	17	$25,639	$26,357
Mt. View Sanitary District	19	1.2	$22,784	$22,784
Las Gallinas Valley Water District	29	2.19	$27,725	$27,725
Los Angeles Sanitation District	1794	390	$27,732	$34,335
Leucadia Wastewater District	19	3.84	$23,453	$23,453
Rodeo Sanitary District	8	0.9	$21,574	$21,574
San Bernardino Valley Municipal Water District	35		$27,709	$27,709
Sanitary District No. 5 of Marin County	12	0.65	$14,583	$19,543
Santa Margarita Water District	193	24.2	$23,949	$33,015
Santa Ynez Community Service District	6	0.1	$15,773	$15,773
Selma- Kingsburg- Fowler County Sanitation District	32	4	$14,167	$14,167
Silicon Valley Clean Water	84	16.1	$34,485	$34,485
South Orange County Wastewater Authority	61		$21,133	$21,133
Truckee Sanitary District	42	1.98	$22,721	$22,721
Union Sanitary District	144		$19,062	$25,019
Victor Valley Wastewater Reclamation Authority	49	12	$21,356	$21,356
Yucaipa Valley Water District	68	4	$24,863	$24,863
MIN / MAX			**$ 11,667**	**$ 34,485**
Median			**$ 22,672**	**$ 23,099**
AVERAGE (Mean)	**39**	**4**	**$ 22,498**	**$ 23,952**
Carmel Area Wastewater District	**27**	**1.25**	**$20,217**	**$20,217**
Over Under Median			**-11%**	**-16%**
Over Under Average			**-10%**	**-16%**

RESOLUTION NO. 2025-08
DESIGNATING CLASSIFICATION TITLE IN THE
CARMEL AREA WASTEWATER DISTRICT
AND PROVIDING FOR THE NUMBER OF POSITIONS AND
MONTHLY SALARY RANGES FOR NON-REPRESENTED EMPLOYEES

BE IT RESOLVED by the Board of Directors of the Carmel Area Wastewater District as follows:

Section 1. That the "Positions", "Classification Titles" and "Salary Ranges and Steps" enumerated below are hereby adopted for Non-Represented positions of employment in the Carmel Area Wastewater District:

			SALARY STEPS				
Positions		Classification Titles	A	B	C	D	E
		Non Represented Positions					
1	48	District Engineer	16,889.48	17,733.96	18,620.66	19,551.69	20,529.27
1	n/a	General Manager					20,217.06
1	40	Principal Engineer	13,861.97	14,555.07	15,282.83	16,046.97	16,849.32
1	38	Maintenance Superintendent	13,194.04	13,853.74	14,546.43	15,273.75	16,037.44
1	34	Chief Plant Operator	11,953.14	12,550.80	13,178.34	13,837.26	14,529.12
1	34	Operations Superintendent	11,953.14	12,550.80	13,178.34	13,837.26	14,529.12
1	34	Laboratory Manager	11,953.14	12,550.80	13,178.34	13,837.26	14,529.12
1	34	Collection System Superintendent	11,953.14	12,550.80	13,178.34	13,837.26	14,529.12
1	29	Principal Accountant	10,564.85	11,093.09	11,647.75	12,230.13	12,841.64
1	28	Operations Supervisor	10,307.16	10,822.52	11,363.64	11,931.83	12,528.42
0	28	Laboratory Supervisor	10,307.16	10,822.52	11,363.64	11,931.83	12,528.42
1	23	Executive Administrative Assistant /Board Clerk	9,110.03	9,565.53	10,043.81	10,546.00	11,073.30
11		**Total Positions authorized**					

Section 2. That salaries paid to occupants of said positions shall be administered in accordance with Ordinance 97-2 titled "Personnel Policies".

Section 3. The Provisions hereof shall be in force and in effect as of February 27, 2025

Section 4. That this resolution supercedes 2024-75 in its entirety.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Carmel Area Wastewater District duly held on February 27, 2025, by the following vote:

AYES: BOARD MEMBER

NOES: BOARD MEMBER

ABSENT: BOARD MEMBER

ABSTAIN: BOARD MEMBER

Ken White, President of the Board

ATTEST:

Domine Barringer, Board Clerk

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: February 27, 2025

Subject: California Public Employees' Retirement System (CalPERS) Unfunded Accrued Liability (UAL) for Classic & Public Employees' Pension Reform Act (PEPRA)

RECOMMENDATION

It is recommended the Board adopt a resolution approving the payment of

- CalPERS Classic (Miscellaneous) Unfunded Accrued Liability in an amount not to exceed $664,000 from District Reserves
- CalPERS Public Employees' Pension Reform Act (PEPRA) Unfunded Accrued Liability in an amount not to exceed $137,000

DISCUSSION

Unfunded Liabilities occur due to:

- Actuarial experience is different than assumed, which is due to various factors such as market performance, demographic experience, or rates of retirement
- Benefit enhancements adopted and not entirely funded such as early retirement windows or Cost of Living Adjustments (COLA)
- Higher than projected final average compensation
- Granting prior service for benefits without funding

For fiscal year ending 06-30-23 the District's combined Classic and PEPRA UAL is $1,075,547.

The CalPERS discount rate is 6.8%. The County rate of return on deposits as of 09-30-24 is 4.25%, or a 2.55% difference between amounts on Deposit with the County and CalPERS discount rate.

For the June 30, 2023 valuation both the Classic and PEPRA had UAL balances due to the causes above.

	Normal Accrued Liability	**Market Value of Assets**	**UAL**	**% Funded**	**Reduction for 2024**	**Adjusted UAL**
Classic	$9,537,339	$8,636,501	$900,838	90.6%	$237,500	$663,338
PEPRA	$1,677,363	$1,502,654	$174,709	89.6%	$37,500	$137,209
		total	$1,075,547			$800,547

On July 15, 2024 CalPERS announced a preliminary 9.3% investment return for Fiscal Year (FY) 2024. After two years of investment underperformance, this is an encouraging change. The return for 2024 marks the first time in three years that CalPERS was able to exceed their discount rate. This translates into 2.5% of excess earnings over the 6.8% discount rate, which helps to lower UAL balances and payment amounts. To estimate the excess return impact on our UAL we can multiply the market value of assets by the 2.5% excess earnings. Or, more simply, for each $1M in pension assets, roughly $25,000 of existing UAL will be removed from our UAL account.

Staff recommends paying down the 06-30-23 UAL as adjusted for 2024 above. The District has sufficient funds available and the deposit rate at the County is lower than the CalPERS rate on the UAL.

FUNDING

Staff recommends a draw down of $801,000 to make an additional discretionary payment on the CalPERS UAL. Classic plan $664,000 and PEPRA $137,000.

RESOLUTION NO. 2025-09

A RESOLUTION APPROVING THE PAYMENT OF CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM (CALPERS) CLASSIC UNFUNDED ACCRUED LIABILITY IN AN AMOUNT NOT TO EXCEED $664,000 AND CALPERS PUBLIC EMPLOYEES' PENSION REFOR ACT (PEPRA) UNFUNDED ACCRUED LIABILITY IN AN AMOUNT NOT TO EXCEED $137,000 WITH FUNDS FROM DISTRICT RESERVES

-oOo-

WHEREAS, the Carmel Area Wastewater District has an Unfunded Accrued Liability with California Public Employees' Retirement System (CalPERS) for both the Classic Miscellaneous members and the Public Employees' Pension Reform Act (PEPRA).

WHEREAS, the Board agrees with the request to draw down on District reserves to paydown both the Classic and PEPRA accounts with CalPERS and believes this to be the best and most prudent use of District funds.

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Board hereby agrees to paydown an amount not to exceed $664,000 to CalPERS for the Unfunded Accrued Liability in its Classic Miscellaneous account with funds from District Reserves, and
2. The Board hereby agrees to paydown $137,000 to CalPERS for the Unfunded Accrued Liability in its PEPRA account with funds from its Reserve accounts.

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District at a regular meeting duly held on February 27, 2025, by the following vote:

AYES: BOARD MEMBERS:

NOES: BOARD MEMBERS

ABSENT: BOARD MEMBERS

ABSTAIN: BOARD MEMBERS

_____

Ken White, President of the Board

ATTEST:

_____

Domine Barringer, Board Clerk

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: February 27, 2025

Subject: Strategic Asset Management (SAM) Unfunded Accrued Liability (UAL) payment

RECOMMENDATION

It is recommended the Board adopt a resolution approving the payment of $103,195 to bring the plan to a fully funded status.

DISCUSSION

The legacy pension plan (frequently referred to as SAM or Strategic Asset Management) is slightly underfunded, 98%, effective the June 30, 2024 actuarial valuation. It has been the District's operational policy to keep this legacy plan as close to fully funded as possible. Since 2014 any unfunded liability is determined over a 5 year period. The actuarially determined contribution for the 2024/25 plan year is $20,639.

Staff recommends that the District make a contribution to the plan for the full five year unfunded liability, or $103,195.

The discount rate on the SAM plan is 4.5%. This is a conservative assumption that could be reduced if it were increased.

Currently the District has sufficient funds in reserves to make this contribution. The earnings on the County Treasurer effective 09-30-24 was 4.25%

FUNDING

There is sufficient funding available in the District's general reserve fund.

RESOLUTION NO. 2025-10

A RESOLUTION APPROVING THE PAYMENT OF STRATEGIC ASSET MANAGEMENT (SAM) UNFUNDED ACCRUED LIABILITY (UAL) IN AN AMOUNT NOT TO EXCEED $103,195 WITH FUNDS FROM DISTRICT RESERVES

-oOo-

WHEREAS, the Carmel Area Wastewater District has an Unfunded Accrued Liability with its Carmel Area Wastewater District Pension Plan known as the Strategic Asset Management Plan ;

WHEREAS, the Board agrees with the request to draw down on District reserves to paydown the unfunded liability with its legacy Carmel Area Wastewater District Pension Plan (Strategic Asset Management) plan and believes this to be the best and most prudent use of District funds.

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Board hereby agrees to paydown an amount not to exceed $103,195 to the Carmel Area Wastewater District Pension Plan from its reserve accounts

PASSED AND ADOPTED by the Board of Directors of the Carmel Area Wastewater District at a regular meeting duly held on February 27, 2025, by the following vote:

AYES: BOARD MEMBERS
NOES: BOARD MEMBERS
ABSENT: BOARD MEMBERS
ABSTAIN: BOARD MEMBERS

_____
Ken White, President of the Board

ATTEST:

_____
Domine Barringer, Board Clerk

General Manager Comments

Carmel Area Wastewater District

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

Barbara Buikema
General Manager
Ed Waggoner
Operations Superintendent
Patrick Treanor
District Engineer
Alex J. Lorca
Legal Counsel

Board of Directors
Suzanne Cole
Robert Siegfried
Kevan Urquhart
Ken White

January 28, 2025

Thea S. Tryon, Assistant Executive Officer
Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Dear Ms. Tryon,

The attached report serves as a response to the notice of violation regarding the August 5, 2024 sanitary sewer overflow at Carmel Meadows (CIWIQS Spill Event 895985). We look forward to the Board's response to this report.

Sincerely,

Barbara Buikema
Barbara Buikema (Jan 28, 2025 09:54 PST)

Barbara Buikema
General Manager
Buikema@cawd.org| (831) 624-1248

Attachments:

- Carmel Meadows August 2024 Spill Report
- CIWIQS Category 2 Spill Report (8/9/24)
- Sewer Pipeline Repair 75% Design Drawings (December 2024)

Carmel Area Wastewater District

CARMEL MEADOWS AUGUST 2024 SPILL REPORT

January 2025

1. BACKGROUND

This report is in response to the notice of violation that the Carmel Area Wastewater District (District) received on December 17, 2024 regarding a sanitary sewer overflow (SSO) in the Carmel Meadows neighborhood between August 5 and 9, 2024. This portion of the collection system was constructed in the 1950's and 1960's and is largely comprised of 6" ductile iron pipe (DIP) and vitrified clay pipe (VCP).

Between August 5 and 9, 2024, a portion of this DIP pipe on the remote hillside experienced a blockage and overflow resulting in a Category 2 spill of approximately 22,681 gallons. As the notice of violation states, since 2003 the gravity collection system in the vicinity of Ribera Rd. has experienced twelve prior unpermitted discharges, ranging from approximately 25 to 900 gallons. Half of these discharges occurred along the DIP that runs along the hillside to the north of Ribera Road, while the other half of these discharges occurred in nearby VCP pipes that are not located along the remote hillside. Figure 1 below shows the four locations where these spills occurred. Table 1 provides more details regarding these spills.

The manhole identified in Location 1 in Figure 1 is the beginning of the DIP pipeline that runs to the north of Ribera Rd. This original, brick manhole is shallower than typical manholes (approximately 1.5 feet deep) and is located at the end of a steeply graded (13%) pipe. The sewer flow turns 90 degrees inside the manhole to change direction of flow. The spills at this location have been a result of blockages in the manhole due to debris entering the manhole getting stuck on poorly formed flow channels, combined with the shallowness of the manhole. Repairing this manhole will require rebuilding the manhole flow channel and installing a bolt-down/watertight lid to facilitate surcharging.

The portion of the pipeline that experienced the discharge identified in the notice of violation is shown as Location 2 in Figure 1. The cause of the blockage has been traced to a sag in one section of the gravity piping which collects solids due to an inversion of normal gravity flow. Repairing this sag will require replacement of the existing pipeline and anchorage.

Location 3 in Figure 1 corresponds to a steep portion of VCP (50% grade) that terminates in an original, brick manhole. Similar to Location 1, the flow that enters the downstream manhole must turn 90 degrees into what is a shallow manhole. The manhole flow channels are in poor condition and repairing the flow channels and installing a bolt-down/watertight lid will return this section of sewer to good condition.

Finally, Location 4 in Figure 1 is a steep portion of VCP (44% grade) Spills in this location have been traced to extensive root intrusion in separated/offset joints. Pipe bursting this section of pipe with seamless HDPE will alleviate the root intrusion issue and avoid future spills.

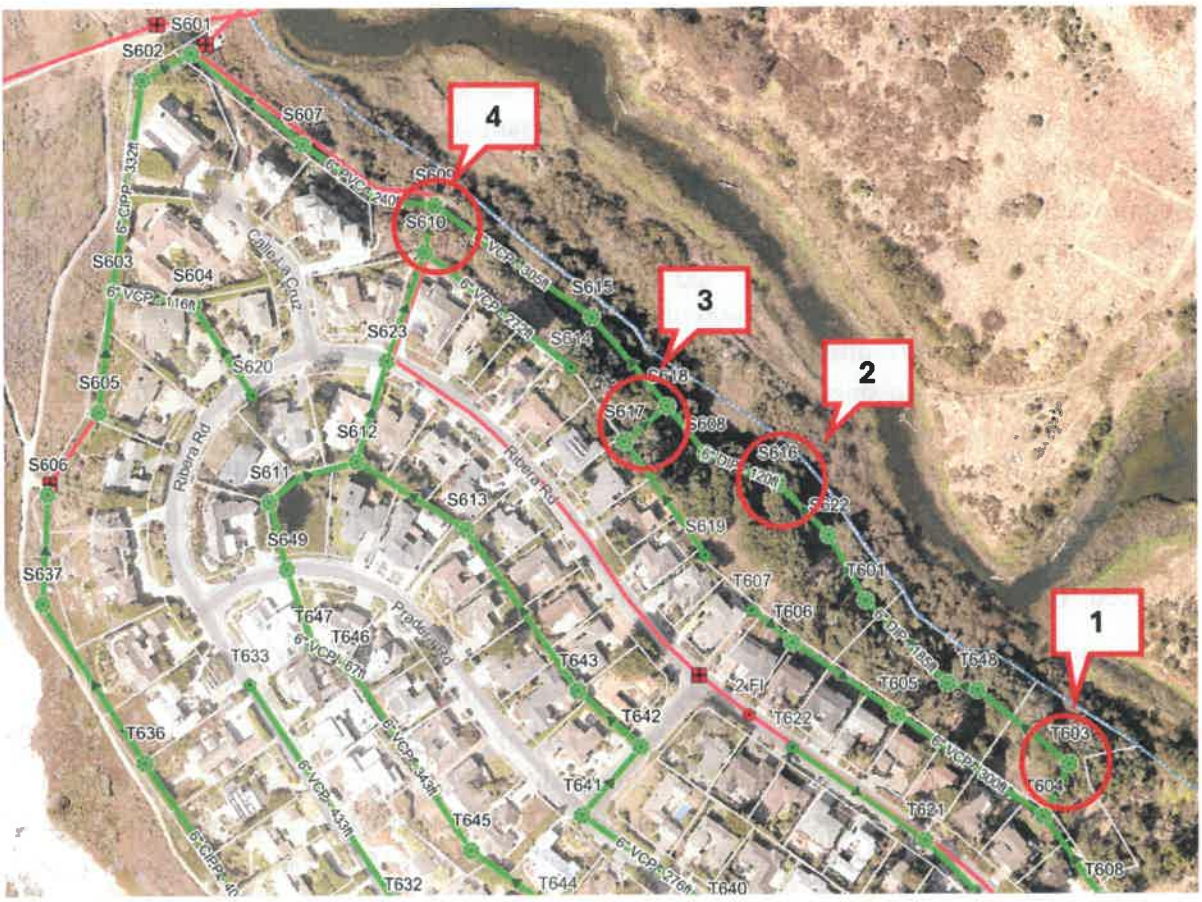


Figure 1: Locations of unpermitted discharges between 2003-2024 in Carmel Meadows

Table 1: Summary of unpermitted discharges between 2003-2024 in Carmel Meadows

Location	Date of Spill	Est. Volume (gal)	Pipe Type
1	5/20/2016	688	DIP
	2/16/2023	506	DIP
2	7/14/2003	60	DIP
	4/8/2005	180	DIP
	9/14/2012	900	DIP
	6/9/2022	90	DIP
	8/9/2024	22,618	DIP
3	1/27/2012	40	VCP
4	8/15/2009	500	VCP
	12/19/2011	825	VCP
	8/31/2016	630	VCP
	5/21/2021	476	VCP
	7/8/2004	25	VCP

2. HISTORY OF DISTRICT EFFORTS

The District started working towards capital improvements to the sewer along the North side of Carmel Meadows starting in 2013, when the District hired Kennedy/Jenks Consultants to develop a design to replace approximately 1,000 feet of gravity sewer along a remote easement. While Kennedy/Jenks completed the engineering design plans in 2016, requisite environmental documents were not developed for the project, and the Principal Engineer leading this project left the District in 2018.

The new Principal Engineer hired by the District in 2018 had a different plan in mind for the sewer improvements for Carmel Meadows and hired a new design engineer (SRT Consultants) in 2019. The new design approach included a new District-owned pump station, residential ejector stations to redirect flow away from the section of pipeline in the remote easement, and pipe bursting of the sewer line between S609 and S610. CEQA documentation was finalized in 2022 for the redesigned project. In 2023, the District set out to obtain local coastal permit approval from Monterey County for the project, but the application for County approval faced fervent opposition from residents of the Carmel Meadows neighborhood who were against residential ejector stations and the new District-owned pump station adjacent to their properties. During this time, District staff reached out to the Regional Water Quality Control Board seeking project support in the hope that the Regional Board's support could sway public opinion and County Planning Commissioners. Ultimately the Monterey County Planning Commission denied the application for a local coastal permit in 2023, primarily as a result of public opposition. At the end of 2023, the District's Principal Engineer retired and the project was passed on to the third Principal Engineer who was hired in early 2024.

In 2024, the District met with residents of Carmel Meadows to better understand their concerns and improve communications. In July 2024 CAWD signed a new contract with Kennedy/Jenks to conduct supplementary design work to revise the prior project to address concerns that were expressed by the local residents. That supplementary design effort is currently in progress. During that effort the spill occurred in August of 2024, caused by the pipe sag in gravity pipe segment S616-S622. Soon after this spill, the District's District Engineer began working on preliminary design for a near term repair of the sag between manholes S616-S622. In November of 2024, the District signed an additional contract with Kennedy/Jenks to further the preliminary design of a near-term repair of the sagging portion of the gravity pipe. The District received 75% design drawings of that repair from Kennedy Jenks in January 2025 and is currently conducting a detailed design review.

Another extenuating circumstance occurred in 2024 when the District's jetting truck unexpectedly broke down, leading to a slowdown in pipe jetting/cleaning activity on the Carmel Meadows easement line while the District was procuring new equipment. The reduction in cleaning frequency was linked to the most recent spill. The District has since secured a new

jetting truck and is cleaning the Carmel Meadows line at a similar frequency as before the equipment failure.

3. RESPONSE TO ALLEGED VIOLATIONS

The notice of violation alleges two violations under Water Quality Order 2022-0103-DWQ, Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems (General Order): General Order Prohibition 4.1, which prohibits any discharge from a sanitary sewer system that has the potential to discharge to surface waters of the State unless the discharge is promptly cleaned up and reported as required in the General Order; and General Order Prohibition 6.2, which requires the District to develop and implement its Sewer System Management Plan (SSMP). The District concedes these violations.

With regard to the alleged violation under General Order Prohibition 6.2, the District acknowledges that previous SSMPs included implementing plans for construction of a new pump station that would allow the District to abandon approximately 1,300 feet of DIP along the hillside that has had a history of SSOs. These improvements were being actively worked on, but the project has faced delays due to permitting challenges, public opposition, and uncertain timeframes associated with land acquisition for locating the new pump station as described in Section 2. The SSMP will be updated to include more realistic timelines for this project.

In light of the extended timeframes involved with constructing a new pump station, the District acknowledges that expeditious action should be taken to prevent future unpermitted releases at the locations of historical spills in this area and plans to implement several corrective actions as described below.

4. CORRECTIVE ACTIONS

The District is pursuing several corrective actions to address spills in this area that have occurred over the past 20+ years. Pipe and manhole repairs addressing each location where spills have occurred are detailed below. Each of the four locations described above will be improved as follows:

1. **Location 1: Manhole (MH) T604 – T603**
    a. **Root cause:** The root causes for spills at this location are clogs from free-flowing, cut roots and other large objects at sharp turns at the downstream manhole. Additionally, MH T603 is shallower than typical manholes at less than two feet in depth.
    b. **Corrective action:** The flow channel in MH T603 will be repaired to improve laminar flow through the MH and reduce the likelihood of future blockages. The manhole lid will be sealed with a bolt-down/watertight lid so that in the event of a blockage, the resulting surcharge will potentially remove it before developing into a spill, and the lid will be equipped with level floats and telemetry to provide

District staff with early warnings of backups in the collection system to prevent unpermitted discharges.

2. **Location 2: MH T601 – S616 – S622**
    a. **Root cause**: The root cause for the spills at this location is the buildup of solids in the pipeline due to a sag in the pipe, resulting in overflows at the upstream manholes.
    b. **Corrective action:** The pipeline shown in Location 2 will be replaced with new DIP pipe. The District has been working with a consulting engineering firm (Kennedy Jenks) on contract documents for replacement and stabilization of the pipeline segment that experienced the recent SSO, specifically the aerial span of DIP with a sag between MH S616 and MH S622 totaling approximately 70 linear feet. The existing DIP and anchorage will be replaced with new DIP, new foundations, and new restrained couplings and bell joints as needed to provide the necessary alignment and grade. The 75% draft drawings for the pipeline repair are provided as an attachment to this report.
3. **Location 3: MH S617 – S618**
    a. **Root cause:** The root cause for the spills at this location, similar to Location 1 above, is clogging by free-flowing, cut roots and other large materials.
    b. **Corrective action:** The flow channel in MH S618 will be repaired to improve laminar flow through the MH and reduce the likelihood of future blockages. The manhole lid will be sealed with a bolt-down/watertight lid so that in the event of a blockage, the resulting surcharge will potentially remove it before developing into a spill. MH S618 is already equipped with telemetry to provide early warnings of backups in the collection system to prevent unpermitted discharges.
4. **Location 4: MH S610 – S609**
    a. **Root cause:** The pipe between these two manholes is in poor condition, with recent CCTV surveys showing separation at the joints, and associated root intrusion, which have caused the overflows in this location.
    b. **Corrective actions:** The pipeline shown in Location 4 is planned to be replaced with seamless HDPE using pipe bursting techniques as part of an upcoming capital improvement project. Estimated timeline for completion of this improvement is July 2026.

The estimated timeline for completion of the various repairs at these four locations is July 2026. This timeline allows for detailed engineering design to be completed, public procurement and construction. The long-term plan to abandon the DIP pipeline along the hillside to the north of Ribera Rd. involves construction of a new pump station to be constructed in the vicinity of Mariposa Dr. and a new HDD pipeline connecting MH S615 to S617. The District is currently in the planning phase for this new pump station and pipeline and will continue pursuing project entitlements and implementation by working through land acquisition and public support issues. In addition, since the event in August, numerous operational risk management strategies have

already been expanded in this area. The District's collections staff has been cleaning this line more frequently, to remove solids that have collected in the sag at Location 3. Based on historical trends, more frequent cleaning of this line is an effective preventative measure against spills.

Furthermore, the pipeline in this location was recently equipped with SmartCover manhole lids upstream and downstream that provide real-time monitoring of water surface elevations. After the spill event, District staff used SmartCover data to approximate the volume of the spills and worked with SmartCover staff to analyze the data before and during the spill and improve the real-time monitoring capability of the SmartCover system. After the most recent spill the sensitivity of the ultrasonic level measurements has been adjusted and confirmed to better provide an early warning in the event of a partial blockage in this pipeline. After the recent spill, the District also installed two additional online manhole monitors directly adjacent to the spill location to further enhance monitoring.

Certified Spill Report for Category 2 Spills

Spill Event ID:	895985	**Spill Location Name:**	Calle easement MH S622
Sanitary Sewer System:	Carmel Area Wastewater District Collection System	**Agency:**	Carmel Area Wastewater District
Spill Report Type:	Category 2 Spill	**Spill Report Status:**	Certified
Initial Draft Submitted On:	08/09/2024	**Certified On:**	08/16/2024
Spill Report Version Number:	1.3		

File Name	File Description	Uploaded Date	Status
895985_Version_1.3.pdf	Certified spill pdf : 895985_Version_1.3.pdf	2024-08-16	OK
Spill Vol. Worksheet Breakdown.pdf	Spill volume worksheet breakdown	2024-08-16	OK
Spill Location Map.pdf	Spill location	2024-08-16	OK
Spill Location Map & Photos.pdf	Spill location	2024-08-16	OK
Smart Cover Spill Stop Time & Line Cleaning.pdf	Start & stop time	2024-08-16	OK
Smart Cover Spill start time.pdf	Flow Data	2024-08-16	OK
Smart Cover Normal Trend.pdf	Flow Data	2024-08-16	OK
Smart Cover Flow Data 3 Mo. Avg.pdf	Flow Data	2024-08-16	OK
MH#1 Stopage Opened.JPG	Photo	2024-08-16	OK
MH #2 Spilling.MOV	Photo	2024-08-16	OK
MH #2 Spill Direction toward MH #1.JPG	Photo	2024-08-16	OK
MH #2 Hillside.JPG	Photo	2024-08-16	OK
MH #1 Spilling.JPG	Photo	2024-08-16	OK
MH #1 Spilling..JPG	Photo	2024-08-16	OK

Spill Report General Information	
1. Name of Enrollee contact person to respond to spill-specific questions:	Daryl Lauer
1.a. Telephone number of Enrollee contact person to respond to spill-specific questions:	(831) 917-1426
2. Spill Location Name:	Calle easement MH S622
3. Date and time the Enrollee was notified of, or self-discovered, the spill:	08/09/2024 11:22
4. Operator arrival time:	08/09/2024 11:22
5. Estimated spill start date and time:	08/05/2024 15:42
6. Date and time the Enrollee notified the California Office of Emergency Services:	08/09/2024 13:51
6.a. Assigned control number:	24-4502
7. Description, photographs, and GPS coordinates of the system location where the spill originated: If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field:	Heavy vegetation, steep terrain, single track / easement at MH S622. Due to sag in mainline causing grease, grit, rags to build up creating a blockage between MH S616 & S622
7.a. Lattitude:	36.533095
7.b. Longitude:	-121.922604
7.c. Appearance points:	Manhole
7.d. If other, describe:	
7.e. Additional spill appearance point(s) explanation:	The upstream shallow MH's T601 & T602 were holding water. When jetting downstream to open blockage a small amount spilled as jet nozzle passed by.
8. Estimated total spill volume exiting the system:	22681
9. Description and photographs of the extent of the spill and spill boundaries:	Spill ran out of MH and soaked into ground and ran down heavy vegitated steep unsafe hillside.
10. Did the spill reach a drainage conveyance system?:	N
10.a. Description of the drainage conveyance system transporting the spill and photographs of the drainage conveyance system entry location(s):	N/A
10.b. Estimated spill volume fully recovered from the drainage conveyance system:	0
10.c. Estimated spill volume remaining within the drainage conveyance system:	0
10.d. Did the spill discharge to a groundwater infiltration basin or facility?:	0
10.e. Estimated spill volume discharged to a groundwater infiltration basin or facility:	0
11. Estimated total spill volume recovered:	0

Certification Questionnaire	
1. Spill Destination(s):	Unpaved Surface
1.a. If other, describe:	
1.b. Description of the spill event destination(s), including GPS coordinates if available, that represent the full spread and reach of the spill:	Staff noticed the spill while walking the easement . Staff called for assistance. the blockage was opened and flow was restored. The spill flowed out of manhole and ran into heavily vegetated area and percolated into the ground.
1.c. Coordinates available?	Y
1.d. Lattitude:	36.53264
1.e. Longitude:	-121.9224
1.f. Lattitude:	
1.g. Longitude:	
1.h. Lattitude:	
1.i. Longitude:	
1.j. Lattitude:	
1.k. Longitude:	
2. Spill end date and time:	08/09/2024 11:54
3. Description of how the spill volume estimations were calculated, including at a minimum: The methodology, assumptions and type of data relied upon, such as supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information, used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered):	Upstream flow meter (Smart cover) was used to get a three month daily average flow. Once we had the daily average we used a downstream monitor to get the duration.
3.a. Description of the methodology(ies), assumptions and type of data relied upon for estimations of the spill start time and the spill end time:	Upstream flow meter (Smart cover) was used to get a three month daily average flow. Once we had the daily average we used a downstream monitor to get the duration.
4. Spill cause(s):	Fats, Oil and Grease (FOG), Debris-Rags, Debris-wipes/Non-disposables, Debris-General
4.a. If other, describe:	
5. System failure location:	Gravity Mainline
5.a. If other, describe:	
6. Description of the pipe material, at the failure location:	Ductile Iron
6.a. If other, describe:	
6b. Estimated age of pipe material, at the failure location:	65
7. Description of the impact of the spill:	The spill flowed out of manhole and ran into heavily vegetated area and percolated into the ground.
8. Was the spill associated with a storm event?	N
9. Spill response activities:	Cleaned Up (specify below), Mitigated Effects of Spill (specify below), Other Enforcement Agency Notified, Restored Flow
9.a. If other, describe:	
9.b. Description of spill response activities including description of immediate spill containment and cleanup efforts:	Staff cleaned area that was accessible and removed debris.
10. Spill corrective action:	Plan Rehabilitation or Replacement of Sewer, Adjusted Schedule/Method of Preventive Maintenance
10.a. If other, describe:	
10.b. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of major milestones for those steps:	Increase cleaning frequency and installed additional flow monitoring devices to prevent future spills. Engineering is now involved to implement a comprehensive solution.
10.c. Schedule of major milestones:	Additional flow monitoring devices have already been installed, engineering is assessing potential repairs.
11. Spill response completion date:	08/16/2024
12. Detailed narrative of investigation and investigation findings of cause of spill:	Due to a sag in the pipeline, the flow was restricted by the grit that settles out in the bottom of sag and the grease that attaches to the upper portions of the pipe.
13. Is the Enrollee conducting an ongoing investigation?	N
13.a. Reasons for an ongoing investigation:	
13.b. Expected date of completion of investigation:	08/16/2024 11:29
14. Was the spill located within 1,000 feet of a municipal surface water intake?	N

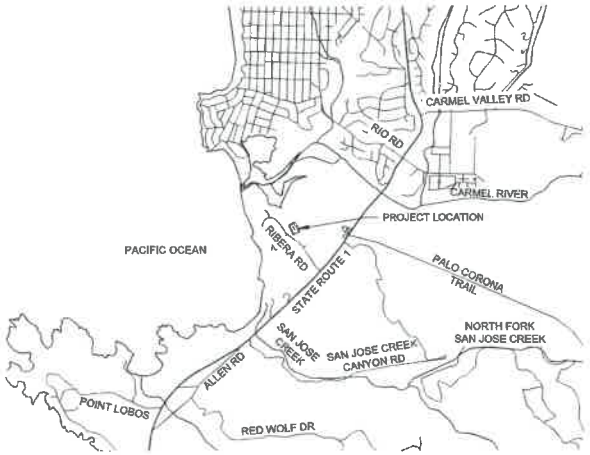
Certification

I certify under penalty of perjury under the laws of the State of California that the electronically submitted information was prepared under my direction or supervision. Based on my inquiry of the person(s) directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete, and complies with the Statewide Sanitary Sewer Systems General Order. I am aware that there are significant penalties for submitting false information.			
Certifier Name:	Daryl Lauer	**Certifier Title:**	Collection Supervisor
Certifier Initials:	DL	**Certification Date:**	08/16/2024

CARMEL AREA WASTEWATER DISTRICT

CARMEL-BY-THE-SEA, CALIFORNIA

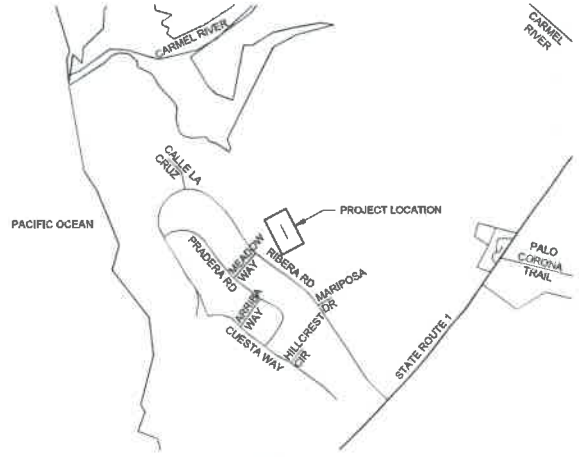
DRAFT SEWER PIPELINE REPAIR DESIGN SUPPORT



LOCATION MAP
SCALE: NTS

DRAWING INDEX

SHEET NO	DRAWING NO	DRAWING TITLE
GENERAL		
1	G-001	COVER, LOCATION AND VICINITY MAPS, AND DRAWING INDEX
2	G-002	GENERAL NOTES AND SCHEDULES
3	G-003	SEWER BYPASS PUMPING PLAN
CIVIL		
4	C-001	EXISTING SITE AND DEMOLITION PLAN
5	C-002	PLAN AND PROFILE
6	C-003	CIVIL DETAILS



VICINITY MAP
SCALE: NTS

CARMEL AREA WASTEWATER DISTRICT · SINCE 1908 ·

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NO	REVISION	DATE	BY

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DESIGNED BJR
DRAWN AE
CHECKED JCB

CARMEL AREA WASTEWATER DISTRICT
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT

Kennedy Jenks

COVER, LOCATION & VICINITY MAPS, AND DRAWING INDEX

SCALE NTS
JOB NO 24680033.00
DATE DECEMBER 2024
SHEET 1 OF 6
G-001

NOTES

GENERAL

1. THIS PROJECT IS WITHIN CARMEL AREA WASTEWATER DISTRICT RIGHT OF WAY. CONTRACTOR SHALL CONFORM TO COUNTY OF MONTEREY ENCROACHMENT PERMIT AND REQUIREMENTS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CARMEL AREA WASTEWATER DISTRICT STANDARDS AND APPLICABLE AWWA STANDARDS.
3. A PRE-EXISTING SITE CONDITION VIDEO SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL SHOW EXISTING CONDITIONS OF ALL CONCRETE, ASPHALT, LANDSCAPED AREAS, BUILDING EXTERIOR, ETC. SURROUNDING THE CONSTRUCTION AREAS. VIDEO SHALL BE SUBMITTED TO THE OWNER PRIOR TO BREAKING GROUND. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
4. EXISTING RAILROAD RAILS AND TIES THAT INTERFERE WITH CONSTRUCTION OF THE NEW PIPELINE SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DESPOSED OFF-SITE.
5. ALL BUILDING COORDINATES ARE TO OUTSIDE CORNER OF COLUMN OR BUILDING.
6. CONTRACTOR SHALL RESTORE ALL SURVEY MONUMENTS THAT ARE DAMAGED OR DESTROYED DURING CONSTRUCTION.
7. OBSERVATIONS OF WORK IN PROGRESS DURING SITE VISITS SHALL NOT ALTER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

UTILITIES

1. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN IN THEIR APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL EXISTING PIPELINES AND OBSTRUCTIONS ARE SHOWN OR THAT LOCATIONS INDICATED ARE ACCURATE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE TO DETERMINE ACTUAL LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AND AROUND THE AREAS OF NEW CONSTRUCTION.
2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT ALL REMAINING EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN.
3. PRIOR TO ANY CONNECTION TO AN EXISTING UTILITY, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER.
4. PRIOR TO ANY EXCAVATION IN THE VICINITY OF ANY EXISTING UNDERGROUND FACILITIES, INCLUDING ALL WATER, SEWER, STORM DRAIN, GAS, PETROLEUM PRODUCTS, OR OTHER PIPELINES; ALL BURIED ELECTRIC POWER, COMMUNICATIONS, OR TELEVISION CABLES; ALL TRAFFIC SIGNAL AND STREET LIGHTING FACILITIES; AND ALL ROADWAY, STATE HIGHWAY, AND RAILROAD RIGHTS-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE AUTHORITIES REPRESENTING THE OWNERS OR AGENCIES RESPONSIBLE FOR SUCH FACILITIES TO FACILITATE A TIMELY MANNER OF WORK SO THAT A REPRESENTATIVE OF SAID OWNERS OR AGENCIES CAN BE PRESENT DURING SUCH WORK IF THEY SO DESIRE. IN THE CASE OF THE UNDERGROUND UTILITY SERVICE ALERT CENTER, THIS NOTICE WILL GIVE THEM TIME TO MARK THE LOCATION OF THE UTILITIES. THE CONTRACTOR SHALL ALSO NOTIFY UNDERGROUND SERVICES ALERT (USA) AT (811) IN ACCORDANCE WITH THE SPECIFICATIONS TO FACILITATE A TIMELY MANNER OF WORK, PRIOR TO SUCH EXCAVATION.

NOTES (CONTINUED)

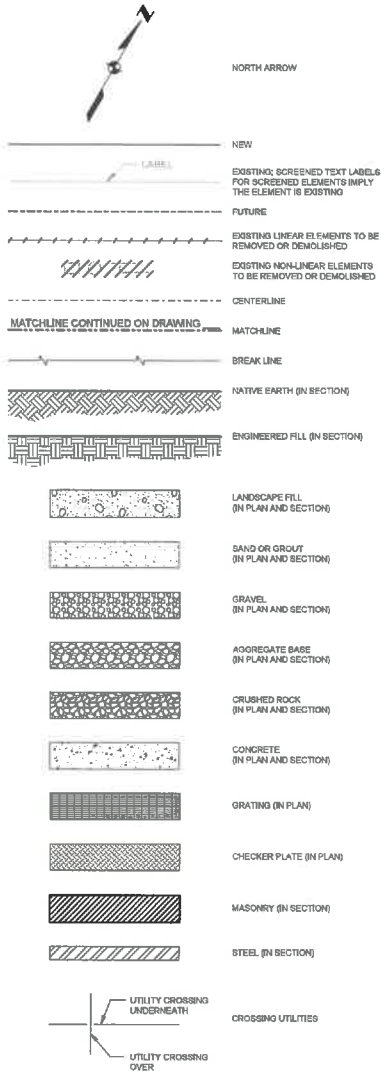
CALLOUTS AND SHORTHAND SYMBOLS

- DIRECTION OF FLOW
- (A) SHEET KEYNOTE
- ℄ CENTERLINE
- ℙ PLATE
- ⌀ DIAMETER
- ± APPROXIMATELY
- ∠ ANGLE
- WATER/FLUID SURFACE
- (1) BUILDING GRID LABEL OR ACCESSORY NUMBER
- ##-## DOOR
- XXX ROOM
- ## WALL
- ##-## WINDOW

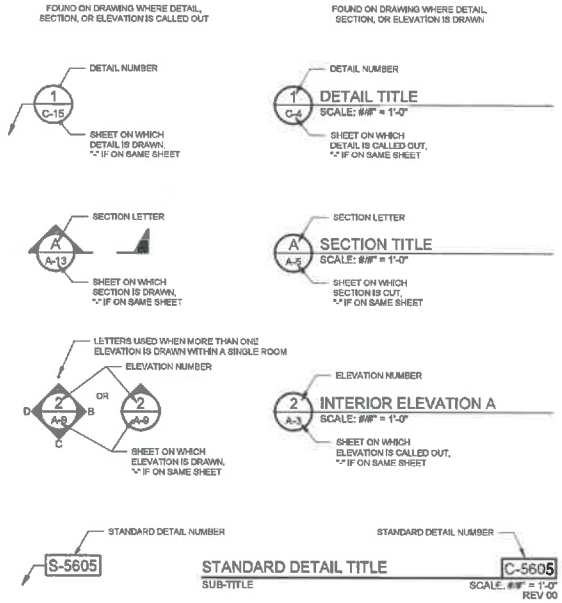
REVISION SYMBOLS

CLOUDED AREA INDICATES CHANGED INFORMATION; NUMBER IN TRIANGLE INDICATES THE DRAWING VERSION AND MATCHES WITH REVISION INFORMATION IN THE REVISION BLOCK WITHIN THE DRAWING BORDER

SYMBOLOGY



CROSS-REFERENCING SYMBOLS



NOTE
STANDARD DETAILS ARE LOCATED WITHIN THEIR RESPECTIVE DISCIPLINE, IMMEDIATELY FOLLOWING THE GENERAL ABBREVIATIONS, NOTES, AND LEGEND SHEETS.

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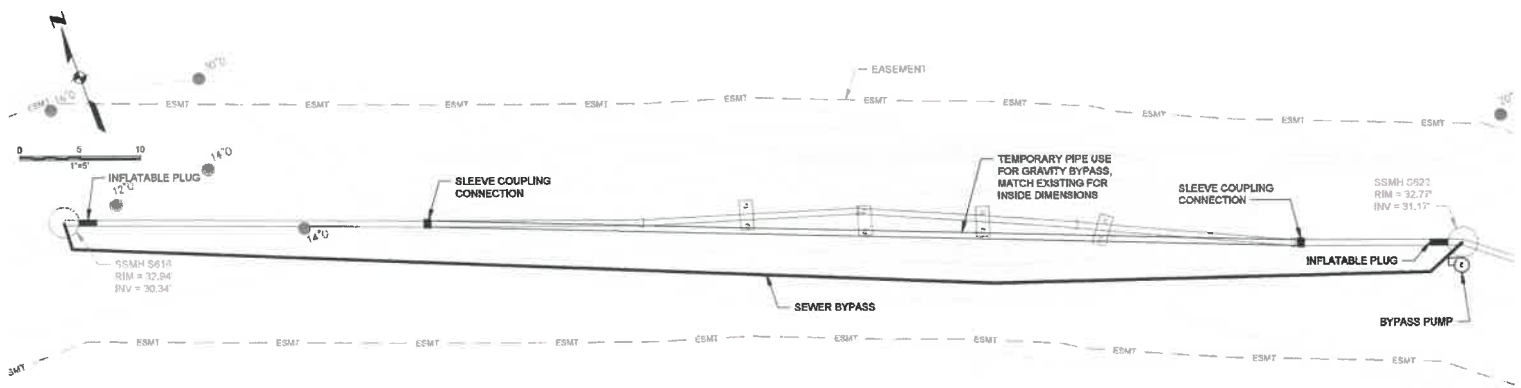
CARMEL AREA WASTEWATER DISTRICT
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT
Kennedy Jenks

GENERAL NOTES AND SCHEDULES

SCALE NTS
JOB NO 2468033.00
DATE DECEMBER 2024
SHEET 2 OF 6
G-002



SEWER BYPASS PUMPING PLAN

GENERAL SHEET NOTES

1. BYPASS PUMPING PLANS PROVIDED FOR CONCEPTUAL DESIGN ONLY AND CONTRACTOR IS RESPONSIBLE FOR FINAL DESIGN, APPROVAL, AND ANY PERMITTING ASSOCIATED WITH BYPASS PLAN, INCLUDING BUT NOT LIMITED TO DISCHARGE PERMIT.
2. FLOW DATA FOR INFOMRATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY FLOW DATA IN FINAL BYPASS DESIGN.
3. PROVIDE REDUNDANT PUMPS FOR BYPASS PUMPING, BYPASS PUMPING ONLY ALLOWED WHEN WORK IS BEING PERFORMED, WHEN NO WORK IS BEING PERFORMED PIPE SHALL FLOW BY GRAVITY THROUGH A TEMPORARY PIPE IF EXISTING PIPE IS NOT PRESENT.

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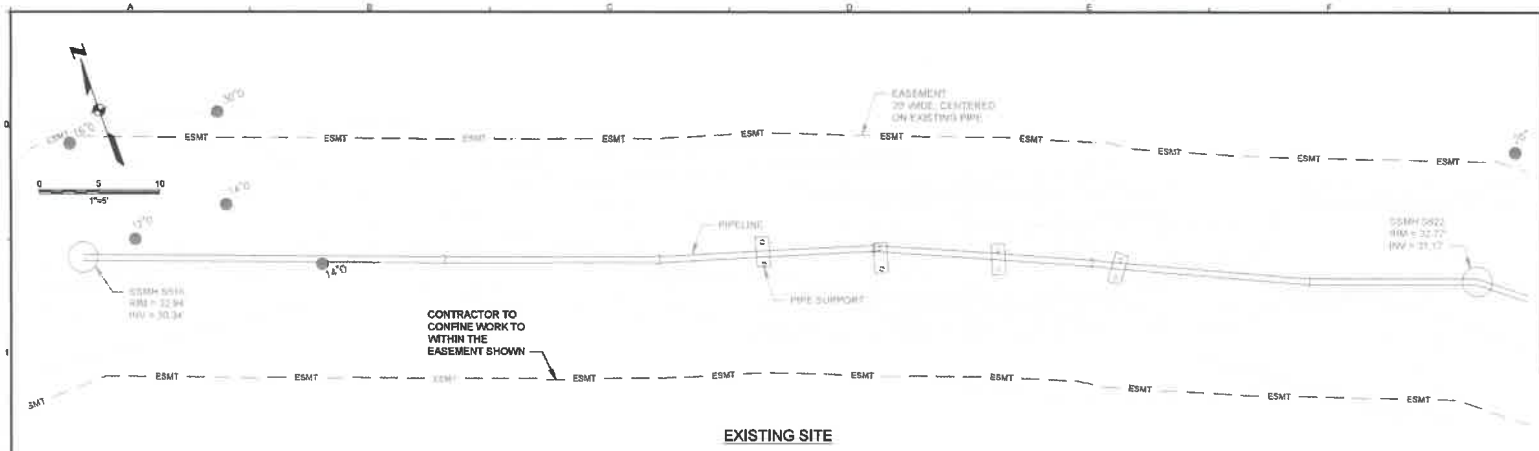
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT

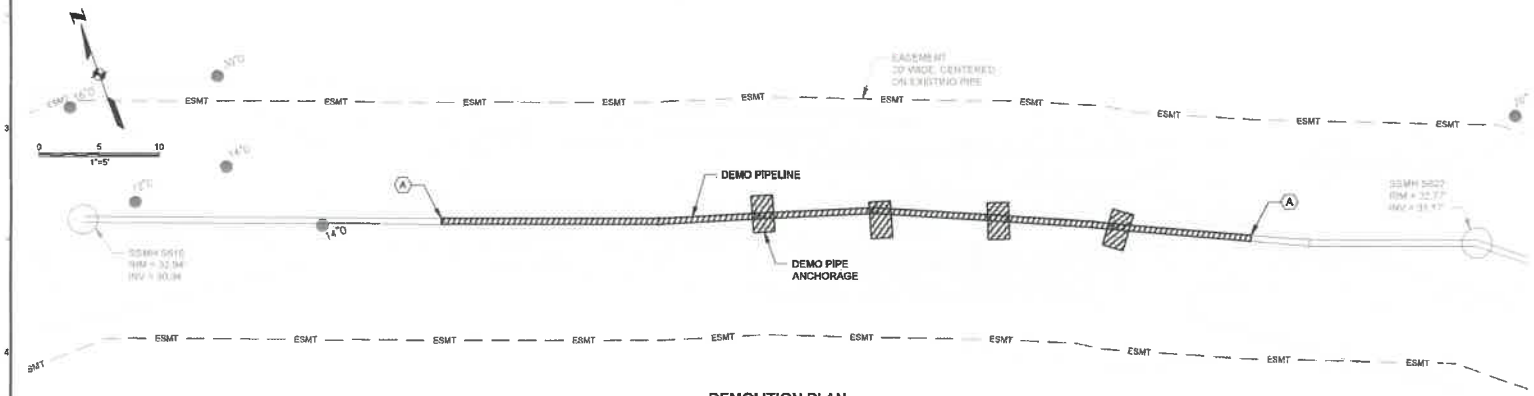
Kennedy Jenks

SEWER BYPASS PUMPING PLAN

SCALE 1" = 5'
JOB NO 2468033.00
DATE DECEMBER 2024
SHEET 3 OF 6
G-003



EXISTING SITE



DEMOLITION PLAN

GENERAL SHEET NOTES

1. TOPOGRAPHIC SURVEY BASED ON THE WATER ELEVATION MARKER IN THE LAGOON.
2. PERMANENT EASEMENT IS 20' WIDE BASED ON THE CENTERLINE OF THE EXISTING PIPE. THE EASEMENT SHALL BE STAKED BY A LICENSED SURVEYOR IN ACCORDANCE WITH THE LEGALLY RECORDED EASEMENT.

SHEET KEYNOTES

A. CONTRACTOR SHALL FIELD VERIFY THE DAYLIGHT LOCATION AND PROVIDE ENOUGH EXPOSED PIPE TO ALLOW FOR THE PROPER TIE-IN INSTALLATION.

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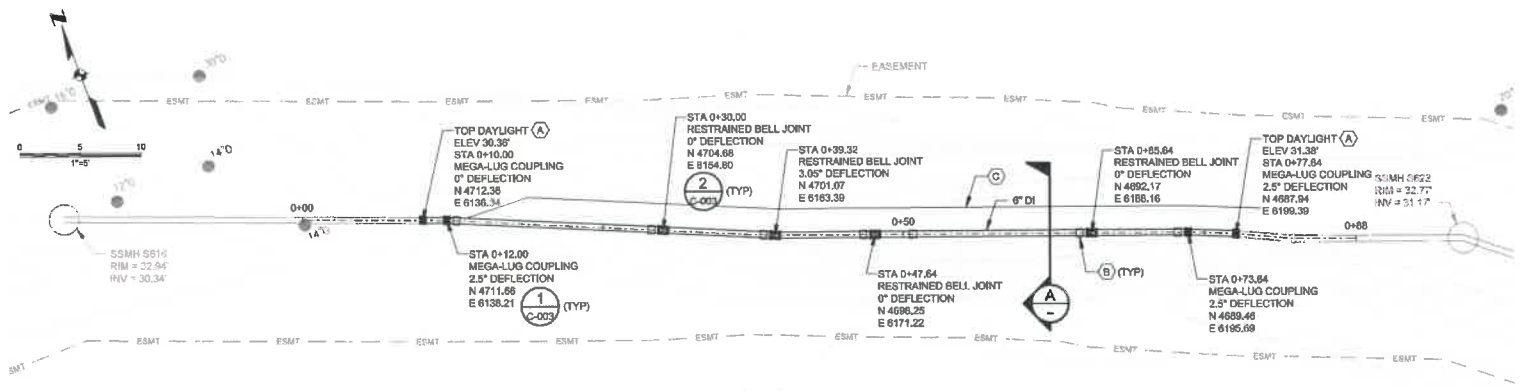
CARMEL AREA WASTEWATER DISTRICT
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT

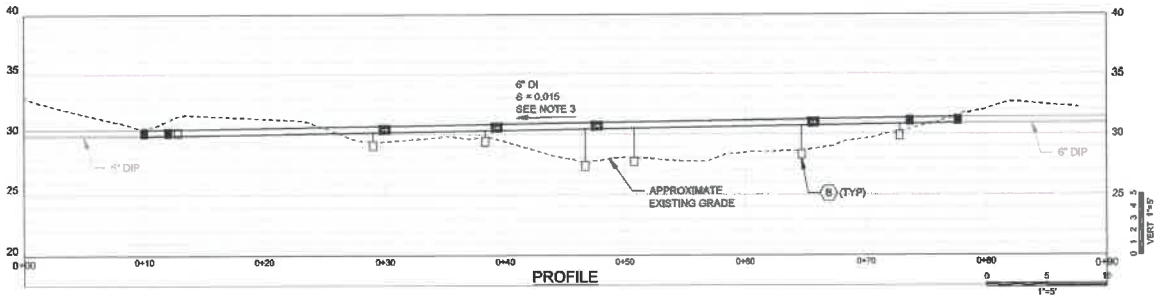
Kennedy Jenks

EXISTING SITE AND DEMOLITION PLAN

SCALE 1" = 5'
JOB NO 2468033.00
DATE DECEMBER 2024
SHEET 4 OF 6
C-001



PLAN



PROFILE

GENERAL SHEET NOTES

1. CARE SHALL BE TAKEN TO LIMIT STORMWATER AND SEDIMENT FROM LEAVING CONSTRUCTION AREAS BY USING BEST MANAGEMENT PRACTICES (BMP).
2. COMPLY WITH ALL APPLICABLE STATE OF CALIFORNIA LAWS AND REGULATIONS.
3. NEW PIPE SHALL BE SLOPED BETWEEN THE UP STREAM AND DOWN STREAM PIPE DAYLIGHT CONNECTIONS AT THE SLOPES SHOWN ON THE DRAWINGS. FIELD ADJUSTMENTS MAY BE MADE, MINIMUM SLOPE IS 0.005 FT/FT.

SHEET KEYNOTES

A. CONTRACTOR SHALL VERIFY THE DAYLIGHT LOCATION AND PROVIDE 2' OF EXISTING DAYLIGHT PIPE TO ALLOW FOR RESTRAINED COUPLING AND NEW PIPE CONNECTION.

B. CONTRACTOR SHALL PROVIDE DIAMOND PIER FOUNDATION SYSTEM MODEL DP-50/36" BY PIN FOUNDATIONS, INC. OR EQUAL TO SUPPORT PIPE. CONTRACTOR SHALL PROVIDE PIPE SUPPORT SUBMITTAL TO THE ENGINEER FOR FAVORABLE REVIEW.

C. CONTRACTOR SHALL RESTORE THE TRAIL USING THE MILTI-TIER INTERLOCKING STRUCTURE DETAILS PER SECTION 13.9 OF THE CALIFORNIA STATE PARKS TRAILS HANDBOOK.

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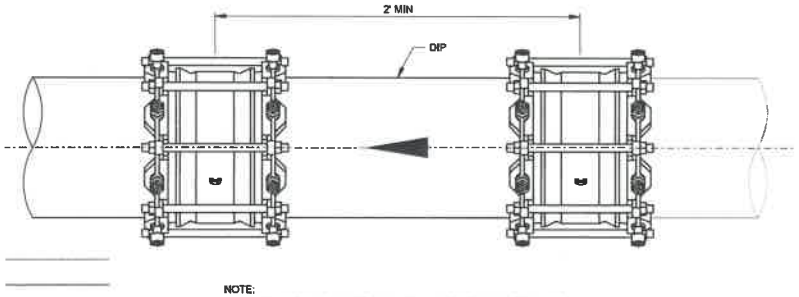
CARMEL AREA WASTEWATER DISTRICT
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT

Kennedy Jenks

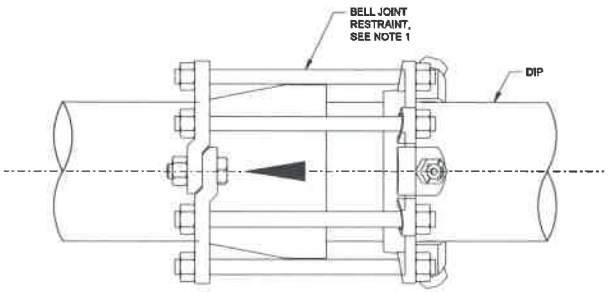
PLAN AND PROFILE

SCALE	1" = 5'
JOB NO	2468033.00
DATE	DECEMBER 2024
SHEET	5 OF 6
	C-002



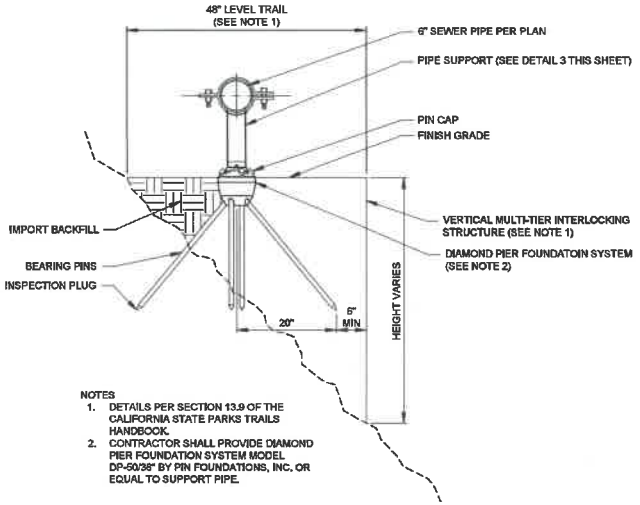
NOTE:
1. PROVIDE EBBA IRON MEGA-COUPLING SERIES 3800 RESTRAINED COUPLING OR EQUAL. THE EBBA IRON MEGA-COUPLING DEFLECTION SHALL NOT EXCEED 4 DEGREES.

1 C-002 TYPICAL EBBA COUPLING EXISTING PIPE CONNECTION
SCALE: NTS



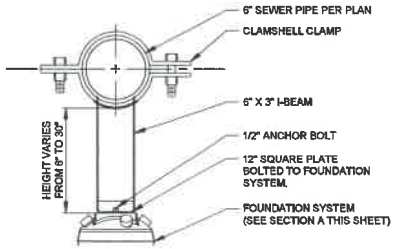
NOTE:
1. BELL JOINT RESTRAINTES ON ALL JOINTS. JOINT RESTRAINTS SHALL BE EBBA SERIES 1700 OR EQUAL. BELL JOINT RESTRAINTS SHALL NOT EXCEED 5 DEGREES IN DEFLECTION

2 C-002 TYPICAL BELL JOINT EBBA RESTRAINT CONNECTION
SCALE: NTS



NOTES
1. DETAILS PER SECTION 13.9 OF THE CALIFORNIA STATE PARKS TRAILS HANDBOOK.
2. CONTRACTOR SHALL PROVIDE DIAMOND PIER FOUNDATION SYSTEM MODEL DP-50/28" BY PIN FOUNDATIONS, INC. OR EQUAL TO SUPPORT PIPE.

A C-002 TYPICAL PIPE AND TRAIL SUPPORT SECTION
SCALE: NTS



3 C-003 TYPICAL PIPE SUPPORT DETAIL
SCALE: NTS

DRAFT 75% SUBMITTAL

PRELIMINARY DESIGN PHASE
NOT FOR CONSTRUCTION
THIS DOCUMENT IS AN INTERIM DOCUMENT AND NOT SUITABLE FOR CONSTRUCTION. AS AN INTERIM DOCUMENT, IT MAY CONTAIN DATA THAT IS POTENTIALLY INACCURATE OR INCOMPLETE AND IS NOT TO BE RELIED UPON WITHOUT THE EXPRESS WRITTEN CONSENT OF THE PREPARER.

NO	REVISION	DATE	BY

SCALES
0 1"
0 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

THIS PRELIMINARY DOCUMENT IS NOT FOR CONSTRUCTION. IT IS RELEASED UNDER THE AUTHORITY OF: B. ROCHA C97002 DECEMBER 2024

DESIGNED BJR
DRAWN AE
CHECKED JCB

CARMEL AREA WASTEWATER DISTRICT
CARMEL-BY-THE-SEA, CALIFORNIA
SEWER PIPELINE REPAIR DESIGN SUPPORT
Kennedy Jenks

CIVIL DETAILS

SCALE NTS
JOB NO 2468033.00
DATE DECEMBER 2024
SHEET 6 OF 6
C-003

minutes over four calendar days beginning at 3:42 PM on August 5, 2024, and ending at 11:54 AM on August 9, 2024. The District estimated the volume of the spill using upstream inline flow meter data to determine a three-month average flow rate and downstream inline monitoring data to determine the duration of the spill.[1] The spill did not result in the posting of public health warnings or beach closures.

In addition to the above report, the District also uploaded to CIWQS the following documentation:

- Photographs
- Video
- Inline flow data (from manhole Smart Covers)
- Spill volume estimate worksheet, and
- Maps

The District reported the corrective actions of adjusting the schedule and/or method of preventive maintenance, and the planned rehabilitation or replacement of the pipeline.

In the Central Coast Water Board's letter dated February 8, 2023 (enclosed), Central Coast Water Board staff responded to the District's request to review the proposed Carmel Meadows Sewer Main project. Table 1 of the February 8, 2023 letter includes a summary of the 13 sewage spills reported over the past 21 years from the sewer line related to the Carmel Meadows Sewer Main project. The August 2024 sewage spill adds another spill to that list. Moreover, the reported volume of that spill is more than 400 percent larger than the combined volume of sewage spilled during the previous 13 spills. The number, frequency, and worsening scale of these sewage spills clearly indicates that the District must take effective corrective action to structurally remedy the long-standing and continued threat to water quality from this compromised section of sewer line.

The February 8, 2023 Central Coast Water Board letter also acknowledges the District's awareness of the sewage line's serious deficiencies as documented in three technical reports and studies prepared on behalf of the District by its engineering consultants in 2003, 2013, and 2019. All three documents conclude that the sewer line in question requires replacement. In addition, the District's Sanitary Sewer Management Plan, January 2020, Supplement IV-2, *CAWD Sewer Capital Improvement Program*, ranks the Carmel Meadows Pipeline project third out of 15 projects and allocated $2,464,000 over fiscal years 2020 and 2021. However, the District has failed to take effective corrective action to construct a project sufficient to prevent sewage spills from the Carmel Meadows sewage line as demonstrated by the August 2024 spill.

The California Water Code requires that any formal enforcement action brought against the District must consider the District's culpability in the alleged violation. The degree of

[1] The District submitted its original California Office of Emergency Services report on August 9, 2024. On August 27, 2024, the District submitted an update to that report that revised the estimated spill volume from 26,001 gallons to 22,681 gallons in accordance with the certified report in CIWQS.

culpability relates to a discharger's misconduct or negligence contributing to the cause of the violations. According to the State Water Resources Control Board Water Quality Enforcement Policy (Enforcement Policy),[2] a discharger that has been made aware of a violation by the Water Boards, through either a formal or informal enforcement action, should receive a higher culpability assessment if the violation continues or if a subsequent, related violation occurs. Given the above circumstances and the District's thorough awareness of the problematic sewer line, that consideration would likely increase the applicable liability substantially.

Alleged Violations

The Central Coast Water Board regulates the Carmel Area Wastewater District Sanitary Sewer System with Water Quality Order 2022-0103-DWQ, *Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems* (General Order).[3] General Order Prohibition 4.1 prohibits any discharge from a sanitary sewer system that has the potential to discharge to surface waters of the State unless the discharge is promptly cleaned up and reported as required in the General Order. The spill had the potential to discharge to the Carmel River, a water of the State, and was not cleaned up due to the steep and heavily vegetated location of the spill. Central Coast Water Board staff alleges that the August 2024 spill event violated General Order Prohibition 4.1.

General Order Specification 5.2 requires the District to develop *and implement* its Sewer System Management Plan (SSMP). The Carmel Meadows Pipeline project prioritization, technical documentation, and budgeting discussed above demonstrate the District's SSMP development. However, Central Coast Water Board staff alleges that the District's failure to effectively implement its SSMP by completing the project resulted in the August 2024 sewage spill and violated General Order Specification 5.2.

General Order Provision 6.1.1 states that noncompliance with General Order requirements constitutes a violation of the California Water Code and is grounds for an enforcement action by the Central Coast Water Board or the State Water Board. Pursuant to Water Code section 13350, discharging waste not in compliance with the requirements of the General Order may subject the District to administrative civil liabilities of up to $5,000 per day per violation or up to $10 per gallon of waste discharged, or referral to the Attorney General for judicial civil enforcement with higher maximum liability amounts.

For example, if the Central Coast Water Board were to impose administrative civil liability for the August 2024 sewage spill according to the above citation, the maximum liability applicable would be $10 per gallon for 22,681 gallons discharged ($226,810). In

[2] State Water Board, 2024 Water Quality Enforcement Policy, effective November 7, 2024, https://www.waterboards.ca.gov/water_issues/programs/enforcement/docs/2024/2024-enforcement-policy.pdf

[3] Water Quality Order 2022-0103-DWQ, *Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems* (General Order), https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2022/wqo_2022-0103-dwq.pdf

addition, the District would still need to invest the necessary resources to implement effective solutions to eliminate the causes of the spills to prevent future spills.

The District's receipt of this notice of violation does not preclude the Central Coast Water Board from taking further enforcement action for the violations cited herein. The Central Coast Water Board reserves the right to take any enforcement action authorized by law.

Requirement

The District must submit a certified, written response **no later than January 31, 2025**, that either confirms in detail the correction of the administrative and structural conditions that caused the alleged violation or identifies a date by which those alleged violation causes will be corrected. Failure to comply with the requirement to submit the certified, written response may subject the District to enforcement action by the Central Coast Water Board, including issuance of an order under Water Code section 13267 and/or 13304, and potential administrative civil liabilities.

Central Coast Water Board staff strongly encourage the District to take immediate corrective action to effectively remedy the known sewer line deficiencies to protect water quality, public health, and the community's financial resources.

If you have questions regarding this letter, please contact Sarah Crable at sarah.crable@waterboards.ca.gov or (805) 549-3706, or Tamara Anderson at tamara.anderson@waterboards.ca.gov or (805) 549-3334.

Sincerely,

Thea S. Tryon Digitally signed by Thea S. Tryon
Date: 2024.12.17 09:22:23 -08'00'
Water Boards

Thea S. Tryon
Assistant Executive Officer

Enclosure: Central Coast Water Board letter dated February 8, 2023

cc via email:

Carmel Area Wastewater District:

Ken White, President
Bob Siegfried, Director, President Pro Tem
Michael Rachel, Director
Kevin Urquhart, Director
Suzanne Cole, Director
Barbara Buikema, General Manager
Rachel Lather, Principal Engineer

The District's website lists this collective email address for the above members: downstream@cawd.org

Central Coast Water Board:
Thea Tryon
Tamara Anderson
Harvey Packard
Arwen Wyatt Mair
Sarah Crable
Jesse Woodard
Todd Stanley

File Location: R:\RB3\Shared\Enforcement\NOVs\CAWD 8-5-24 SSO NOV.docx

ECM Primary Indexing # 631879

Other Items Before The Board

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, GM

Date: February 27, 2025

Subject: Keig Property – Highland Gas Station Connection

RECOMMENDATION

Staff requests direction from the Board on scheduling a special meeting to discuss the Keig Property-Highlands Gas Station connection.

DISCUSSION

From the January 30, 2025 minutes:

> *A Motion To Table Item #31 Regarding The Special Sewer Connection Agreement Discussion – Keig Property- Highlands Gas Station (70 Hwy 1) and bring it back to the next board meeting - Was Made By Director Urquhart And Seconded By Director Cole. Following A Roll Call Vote, The Board Unanimously Agreed To Table Item #31.*
>
> *President White requested if the applicant is in support of the motion? Steve Wilson requested that a special meeting be held to discuss this issue. President White requested that the applicant provide a date that is amenable. Director Cole agreed with the request for a single issue meeting (special meeting). President White requested consensus, and the Board was in consensus.*

Subsequent to the January 30, 2025 Mr. Wilson was contacted and asked if he would participate in a meeting at CAWD with Director's White and Siegfried to discuss this item. Mr. Wilson declined but reaffirmed his interest in a special board meeting.

This item is to request the Board discuss the procedural matter of scheduling a special meeting on this issue only. Mr. Wilson has not yet provided a date that is amenable to him and the Keig's.

FUNDING

None at this time**.**

CAWD Collections a Deep Dive into Data

The conversion to a new CMMS program with integrated Collection System Optimization.

CMMS 2.0

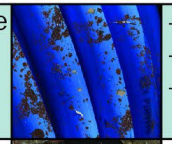
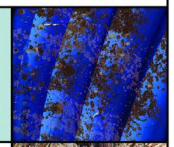
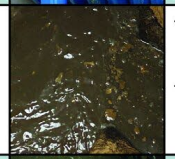
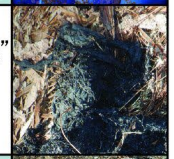
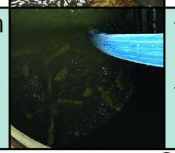
November 2023 CAWD implemented a new (Computerized Maintenance Management System)

New program chosen for both Collections and Treatment Plant.

Importing of data and configuring of the program to fit the needs of CAWD.

Deep Dive into Data

- Gravity Sewer Cleaning Optimization Data Science

Condition Rating		FOG (fats, oils, grease)		ROOTS		OTHER SSO POTENTIAL (debris, grit, rags)	
	Clear	Clear stream during cleaning, no FOG or root smells, no debris on hose					
	Light	- light FOG on hose - some FOG odor - marshmallow size debris possible		- twigs in stream or on hose - light "sawed wood" smell possible - no significant removal		- light debris on hose - grit is fine, sandy - no significant removal	
	Moderate	- ice-cube size debris - noticeable FOG odor - flow darker and more viscous		- some roots trapped and removed - worms on hose or in catch device possible		- debris caught and removed - solid mass, moves like "slug" or moving plug - oatmeal consistency, like paper mache	
	Heavy	- large FOG chunks in stream removed or broken up - strong, distinct FOG odor - "surfboard" contoured chunks possible		- resistance to hose on upstream path - significant roots removed		- significant debris accumulated in manhole - potential removal by vacuum - dark matter	
	SSO	SSO with cause(s) as reported					

VANDA® Gravity Main Cleaning Condition Index

Analytics and the steps in the process

- GIS mapping update and conversion into a sewer/wastewater format recognized by Esri and ARCGIS (Industry Standard).
- Review of cleaning frequencies and what was observed while cleaning.
- Clean up of duplicate or missing data in CMMS.
- Review of CCTV data.
- Spill history.

Results

- Cleaning frequencies for line segments set to 3,6,12,24,48-month schedule driven by the data.
- Training for staff for consistencies in collecting data.
- Accurate data fields in CMMS and GIS.
- Examples in changes: Line segment P910 to P911 was previously on a 9-month interval is now on a 24-month using the data of what the operators are seeing when cleaning and Q831 to Q832 was on a 9-month and is now on a 6-month cleaning interval.
- There are 2393 line segments in the District.

Questions

CALIFORNIA Water Boards

Gavin Newsom
Governor

Yana Garcia
Secretary for Environmental Protection

Central Coast Regional Water Quality Control Board

Waste Discharge Requirements Self-Monitoring Report
Submit this Self-Monitoring Report according to Monitoring and Reporting Program requirements.

Document Date	1/29/2025

Facility Information

Facility Name	Carmel Area Wastewater District
Facility Address	26900 State Route 1
City, State, ZIP	Carmel, CA 93923
Facility County	Monterey

Facility Contact

Name	Edward Waggoner
Job Title	Operations Superintendent
Email	waggoner@cawd.org
Phone Number	831-624-1249, ext 291

Permit

WDR Order (Permit) Number	CA0047996
Monitoring and Reporting Program Number	3 270101001
Global ID (for Geotracker reporting facilities)	WDR 10029577

Flow Over Monitoring Period

Type of Permitted Flow, gpd	☐ Maximum Daily ☒ Average Monthly ☐ Other
Permitted Flow, gpd	1,800,000
Reported Flow, gpd	1,028,000

Reporting Period

Select the Type of Report	☒ Annual ☐ Semiannual ☐ Quarterly ☐ Monthly ☐ Other
If you selected "Other", please specify the report type.	
Reporting Period Start Date	1/01/2024
Reporting Period End Date	12/31/2024

Monitoring Performed During This Period

Select the Type of Monitoring Performed During This Period	☐ Groundwater ☐ Treatment System Effluent ☐ Treatment System Influent ☐ Source Water Monitoring ☐ Solids Disposal ☐ Recycled Water ☐ Disposal Area ☐ Recycled Water Use Area ☒ Other
If you selected "Other", please specify the type of monitoring performed.	Influent, Effluent Treatment system & Solids Disposal

Violations During This Monitoring Period

Were there permit violations during the monitoring period?	☐ Yes ☒ No

Parameters in Violation

Pursuant to Standard Provisions[1], reports must contain dates of violations, explanation of cause, and corrective actions planned or taken to prevent recurrence. Please include parameter(s) and date(s) of violation in the tables provided below.

Violation Reporting for Effluent, Disposal, Groundwater, Recycle Use, and Flow [1]

Parameter	Occurrence Date	Permit Limit	Reported Value
Example: Effluent BOD5	1/1/2020	35 mg/L 30-day avg	50 mg/L

[1] If the **number of violations exceeds the table rows, provide an expanded table as an attachment** to include all violations during the monitoring period. If violations are significant or extensive, attach a discussion containing explanation of cause and corrective action.

Violation Discharger Comments for Effluent, Disposal, Groundwater, Recycle Use, and Flow

Violation Reporting for Permit and Monitoring Requirements[1]

Permit and Monitoring Requirement	Occurrence Date	Explanation/Corrective Action
Example: Malfunctioning Flow Meter	1/1/2020 through 2/1/2020	Flow meter stopped working. New flow meter ordered and installed on 2/1/2020. Missing influent flow monitoring data during occurrence dates.

[1] If the **number of violations exceeds the table rows, provide an expanded table as an attachment** to include all violations during the monitoring period. If violations are significant or extensive, attach a discussion containing explanation of cause and corrective action.

Self-Monitoring Report Requirements Checklist (Complete for Your Respective Facility Type)

Domestic, Industrial, Fruit and Vegetable, and Fertilizer/Pesticide Facilities	Winery Facilities
□ Laboratory Data Uploaded to Geotracker (EDF) ⊡ Report is in a Searchable PDF Format □ Report is Uploaded to Geotracker[2] ⊡ Cover Sheet is signed by the Legally Responsible Official (LRO) or Dually Authorized Representative[3]	□ Laboratory Documents Included □ Report is in a Searchable PDF Format □ Report submitted to centralcoast@waterboards.ca.gov □ Cover Sheet is signed by the Legally Responsible Official (LRO) or Dually Authorized Representative[3]

Certification and Signature

In accordance with the Standard Provisions[1] and Reporting Requirements, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name	Edward Waggoner
Title	Operations Superintendent

Signature: Edward Waggoner Digitally signed by Edward Waggoner Date: 2025.01.29 10:25:54 -08'00' **Date:** 1/29/2025

[1] Electronic access to Standard Provisions: https://www.waterboards.ca.gov/centralcoast/board_decisions/docs/wdr_standard_provisions_2013.pdf

[2] Geotracker Electronic Submittal of Information (ESI) Page: GeoTracker ESI Login (ca.gov)

[3] The Legally Responsible Official for a corporation is a principle executive officer of at least the level of vice president, for a partnership is a general partner, for a proprietorship is a proprietor, for a public agency is principle executive officer or ranking elected official, and for an LLC a member or manager given signing authority by the operating agreement of the LLC. For designation of signatory power to an authorized representative, access the Designation of Dily Authorized Representative Form here: Designation of Duly Authorized Representative Form (ca.gov)

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Introduction

Facility Objective: Carmel Area Wastewater District protects public health and enhances the environment by collecting and treating wastewater while recycling valuable resources for golf course irrigation in the Carmel Bay region.

Treatment Technologies Used

The CAWD Wastewater Treatment Plant (WWTP) has a permitted capacity of 3.0 million gallons per day (MGD) of dry weather flow. Current average dry weather flow (ADWF) is approximately 1.1 MGD which represents 37% of the permitted capacity. Of the 1.1 MGD, approximately two-thirds are from CAWD customers, and the remaining one-third is from Pebble Beach Community Service District customers.

During large storm events the inflows can increase up to eight times the dry-weather rates. This requires the plant equipment and processes designed to manage large hydraulic loads during the winter months.

Influent Pumping

The purpose of influent pumping is to lift the incoming untreated sewage from the terminus of the interceptor sewers up and into the headworks from where the sewage can flow by gravity through the other treatment processes. Approximately 97% of the influent sewage is pumped at the influent pump station; the remaining 3% is discharged directly into the headworks from the Calle La Cruz pump station in the Carmel Meadows subdivision.

During power outages, a dual standby generator system automatically provides backup power to all four influent pumps. There is always at least a 7-day supply of fuel onsite to power the standby generator.

Headworks

The headworks structure, together with the adjacent influent manhole, contains all the pretreatment processes of the plant. Unit processes located within the headworks are influent flow measuring, automatic bar screening, grit removal and washing.

The automatic bar screen removes rags and other large solids from the raw sewage and into a hopper which stores the screenings until they are removed and disposed of at the landfill.

Grit (i.e., sand, coffee grounds, other inorganic materials) is removed from the raw sewage by means of settling in an agitated tank. The agitation keeps the lighter organic solids in suspension and allows the heavier solids to drop out and be removed by pumping the contents from the bottom of the tank into a grit classifier and washer. The grit washer further separates the heavier grit particles from the lighter organic matter and the grit is then disposed of into a bin for disposal at the landfill.

Primary Sedimentation Tanks

The Primary Clari-Thickener tanks remove the majority of suspended solids from the wastewater by settling gravity. CAWD has two primary Clari-Thickener tanks for redundancy. The Clari-Thickener combines the feature of a Primary clarifier for removing settleable solids and floating matter (scum) and a thickening well for concentrating sludge prior to withdrawal for further treatment. Each tank has a mechanical scraper which rotates around the sloping bottom and pushes settled sludge to a sludge thickening zone and a sludge sump. Sludge is withdrawn from the tanks and is transported to the anaerobic digestion tanks. Floating matter is mechanically skimmed into collecting hoppers and is also transported to the anaerobic digestion tanks.

The primary sedimentation process is a physical process utilizing gravitational forces. Settleable and suspended solids, which are the major components of sludge and are heavier than water, settle out of the sewage along with any grit carryover from the headworks. Scum, which is lighter than water, floats to the surface and is removed by skimming. Approximately 60 to 65 percent of the suspended solids will be removed by gravitational forces as part of primary sedimentation.

Effluent from the primary sedimentation tanks overflows into double sided circumferential launders and then flows into either the primary equalization system or the aeration basins.

Primary Equalization

The flow equalization basins are designed to reduce flow to the treatment plant during daytime periods of high influent flow. Wastewater stored in the flow equalization basins is reintroduced into the normal wastewater stream at the option of the operator in order to maintain operation of the Reclamation facility when influent flows are low. This operation also ensures that influent flow can be prioritized for reclamation uses over discharge to the outfall.

The reintroduced flow is pumped back to the Headworks.

Diffusers are located in the basins to prevent stored wastewater from becoming septic.

Anoxic Selector

The Anoxic Selector mixes the return activated sludge (RAS) from the secondary clarifiers with effluent from the primary clarifiers and equally distributes the combined flow to Aeration Basins No. 4, 5, and 6.

Aeration (Biological Activated Sludge Process)

The aeration structures (basins) are designed to promote the growth of helpful bacteria organisms which consume the nutrients in the sewage. This is called the "activated sludge" process. By injecting substantial amounts of oxygenated air, these bacteria thrive and consume the biochemical oxygen demand, ammonia, carbohydrates, fats, along with other materials in the sewage and convert it into bacterial mass or "sludge" for removal in the Secondary Sedimentation Tanks.

The aeration structures can hold about 1.15 million gallons total divided into three separate basins. The helpful bacteria population is maintained in the basins by returning a portion of the sludge separated out of the water downstream in the Secondary Sedimentation Tanks back to the front of the Aeration Basins. This allows the helpful bacteria to live out their life cycle in the treatment process, all the while providing a beneficial service to the treatment process.

CAWD utilizes A2O process which creates different zones in the aeration basins, some with oxygen (aerobic), and some without oxygen (anoxic/anaerobic). The different zones allow for selecting the types of bacteria that are the most beneficial and to enhance the nitrification process.

Aeration in each basin is accomplished by air blowers feeding fine bubble diffusers at the bottom of each basin. Air flow is regulated by automatic dissolved oxygen (DO) control systems.

Mixed Liquor Distribution Structure

The Mixed Liquor Distribution Structure receives and combines the flows exiting the Aeration Basins. Combined flow is then gravity-fed to the Secondary Clarifiers. Two gates are used to control flow to each of the two Secondary Clarifiers.

Secondary Sedimentation Tanks

The Secondary Sedimentation Tanks are similar to the Primary Sedimentation Tanks except they are designed to remove lighter suspended solids. There are two tanks, each equipped with rotating mechanical sludge and scum collectors. The effluent from the Aeration Basins enters each tank through the bottom, rises up through the center column, and then is distributed into the sedimentation zone. Settled sludge is removed from the tank and clean water flows over weirs to the next step in the process (disinfection). The sludge is pumped back to the Aeration process to maintain the helpful microorganism population or wasted to the solid treatment process. Scum is collected from the surface of the wastewater in each tank and returned to a sump in the Aeration Structure, from which it is then pumped to the solid's treatment process.

The clean water coming out of the Secondary Sedimentation Tanks is clear and has exceptionally low concentrations of bacteria and ammonia. Disinfection/Dechlorination is next and is the final treatment step before this water is sent to the Reclamation Facility or to the Ocean.

Secondary Effluent Diversion Structure

The Secondary Effluent Diversion Structure serves two purposes:

1. Aiding downstream disinfection - Secondary flow enters the structure where an injection of liquid Sodium Hypochlorite and aqueous ammonia is used for disinfection leading into the chlorine contact channels at the Chlorination Building. When ammonia is introduced under the appropriate conditions, it reacts with hypochlorous acid to produce monochloramine. Monochloramine is used as a disinfectant rather than free chlorine because free chlorine is

detrimental to the Reverse Osmosis membranes at the Reclamation Facility. The amount of chlorine and ammonia required to produce monochloramine is based on the ideal weight ratio of 5:1. The desired ratio is controlled, monitored, and driven by programmable logic controllers located in the Hypochlorite/Sodium Bisulfite Building and the ammonia injection system at the Tertiary Facilities.

2. Flow Management – The Secondary Diversion Structure also receives the effluent flow from the Chlorination Building and either directs the flow to the holding basin at the Tertiary Building prior to reclamation or to the Outfall Building for ocean discharge.

Disinfection/Dechlorination

The last step to cleaning the water is disinfection/dechlorination. Disinfection is accomplished using liquid Sodium Hypochlorite (i.e., bleach) which kills bacteria and deactivates viruses and protozoa that may be harmful to human health. A small concentration of chlorine is maintained in the water for about 2 hours to make sure all of the harmful pathogens are killed or deactivated. The residual chlorine is then removed using liquid sodium bisulfite. At this point, the water is safe to send out to the ocean, or it is sent to the Reclamation Facility for further treatment to allow the water to be reused for irrigating golf courses in Pebble Beach.

Treated Water Pump Station and Ocean Outfall

The treated water is pumped to Carmel Bay, or it is treated further in the Reclamation Facility and sent to Pebble Beach golf courses. The water that is pumped to the ocean the majority of the year is concentrated brine which is the water left after treatment through the Reverse Osmosis (RO) system in the Reclamation Facility. The RO system removes dissolved solids (i.e., salts), which are collected in the brine. This brine is then pumped to the ocean. The salt content of the brine is lower than the salt content in the ocean and so there are no detrimental effects associated with the brine. During winter storms, when flows increase, a portion of the treated water is not sent to the Reclamation Facility and goes directly out of the outfall.

A pipeline carries the treated water or brine to the ocean. The existing ocean outfall is a 24-inch diameter, concrete encased pipe with 10 diffuser ports along the pipe. Each port has a rubber "duckbill" type valve to prevent debris from entering the outfall pipe during periods of low flow. The diffusers are designed to quickly disperse the treated water into the receiving water so that there is no environmental degradation around the outfall.

Solids Treatment and Disposal

There are several individual processes that are utilized to manage and treat the solids generated from the wastewater treatment process. These are: Sludge Thickening, Anaerobic Digestion, and Dewatering.

Sludge Thickening

The lighter sludge generated by the Secondary Sedimentation Tanks and the Microfiltration Membranes (Reclamation) are sent to the Dissolved Air Flotation Sludge Thickener to thicken the sludge before sending it to the Anaerobic Digesters.

Thickening is achieved by adding fine air bubbles into a tank containing the light sludge. The air lifts the sludge particles to the surface so they can coalesce at the surface and be skimmed off in a more concentrated/thick state. This thicker sludge that is collected is sent to the Anaerobic Digesters. The liquid that the solids are separated from is returned to the Headworks to be treated again through the plant.

This is not required for the sludge from the Primary Sedimentation Tanks which is already thick enough to send straight to the digesters.

Anaerobic Digestion

The solids treatment process takes sludge and other solids and places them in an anaerobic digester where the sludge is kept at about 95 degrees and anaerobic bacteria are utilized to stabilize the sludge and remove pathogens. The detention time in the anaerobic digesters is maintained at around 20 days or more.

A byproduct of the anaerobic digestion process is methane gas. CAWD uses the methane produced to generate electricity using two microturbines. The microturbines can produce about 15% of the power demand required by the wastewater treatment plant (not including the Reclamation Facility).

After the solids have been stabilized sufficiently by the digestion process the solids are held in a holding tank before they are sent to the dewatering equipment.

Dewatering and Land Application

Dewatering is a physical/mechanical process used to reduce the moisture in digested sludge (biosolids). There are reasons for dewatering sludge. In general, it is more economical to dispose of the dewatered sludge than it is to pump or haul liquid sludge to disposal sites because by reducing the moisture content, the sludge volume and weight are reduced.

The CAWD plant uses a belt filter press or a screw press to dewater the digested sludge. This equipment presses out the moisture from the sludge to create a dry material that is essentially dirt that can be land applied.

The dewatered sludge is hauled by truck to Kern County where it is used as a compost amendment for nonfood crops.

Reclamation Plant

Overview

On an average day about 90% of the water that comes into the CAWD wastewater treatment plant is reclaimed and sent to Pebble Beach golf courses for irrigation. CAWD owns the Reclamation Treatment Facility which is a part of a larger project including storage and conveyance infrastructure that was created in partnership with the Pebble Beach Community Services District (PBCSD), and the Monterey Peninsula Water Management District (MPWMD). Collectively the Reclamation Project offsets about 1,000-acre feet per year of potable water that would otherwise be drawn from the Carmel River aquifer. This 1,000-acre feet per year is an important part of the water supply portfolio for the greater Monterey Peninsula, Seaside, and Carmel Area. For reference, the total annual water taken from the Carmel River is about 3,000-acre feet per year.

The original reclamation plant, constructed in 1994, consisted of a large storage basin, and a sand filtration process to remove fine particulates from the water to meet California recycled water treatment requirements.

In 2008 a more advanced treatment facility was added to treat the water to an even higher quality. The new facility contains microfiltration (MF) and reverse osmosis (RO) membranes to filter out dissolved ions (salts) from the water.

The MF/RO system has a capacity to produce 1.8 million gallons per day (MGD) of recycled wastewater. Based on current average flows, the average output of reclaimed water is about 1.0 MGD.

Pretreatment of Secondary Effluent

Secondary effluent is diverted by gravity from the secondary flow stream to the tertiary plant flow equalization basin. The flow equalization basin provides adequate storage of secondary effluent to allow the reclamation facilities to operate at full capacity during nighttime periods of low secondary effluent flow. The tertiary facilities

Tertiary influent is pumped to the coagulant rapid mix chamber for addition of Cerium Chloride for phosphorus and colloidal solids removal. The coagulated flow is then routed to one or two two-stage flocculation chambers. The flocculated flow is divided to flow through four continuous backwash filters. Feed water is passed upwards through the sand bed, exiting from the top of the filter media as clean water. While at the same time, sand continuously moved from the bottom of the filter bed, cleaned by air scouring, and returned to the top of the filter.

Following filtration, the clean water is pumped through strainers and into the Microfiltration system.

Microfiltration (MF)

Microfiltration membranes filter exceedingly small particles out of the water (smaller than the diameter of a human hair). The membranes can physically block individual microorganisms such as bacteria from passing through.

Due to the small pore sizes in the membranes the microfiltration membranes provide a slightly better product than traditional filters such as sand filters. Microfiltration provides pre-filtration prior to the water being sent to the Reverse Osmosis System to remove dissolved ions.

The microfiltration membranes are submerged in a basin that is filled with the treated water from the wastewater treatment plant. The water is pulled through thousands of small straw-like membranes with microscopic pores to filter the water. The dirty water is left in the basin to be backwashed and removed to the solid's treatment process in the wastewater treatment plant.

Reverse Osmosis (RO)

Reverse osmosis membranes physically remove even smaller particles than MF. The RO membranes remove ions at the atomic level (i.e., ions dissolved in the water). This also provides physical removal of viruses in addition to further removal of bacteria in the water.

The water that does not pass through the RO membranes becomes a concentrated brine that contains all of the dissolved ions, and cells that are rejected by the membranes. This brine is disinfected and dechlorinated to deactivate and kill viruses and bacteria before the water is sent to the ocean outfall for disposal.

Disinfection

Similar to drinking water the state requires that recycled water be disinfected prior to distribution, and that a chlorine residual be maintained in the distribution system to mitigate regrowth of harmful bacteria in the piping.

CAWD utilizes sodium hypochlorite and aqueous ammonia to create chloramines for disinfection and to maintain a disinfectant residual in the distribution system. Chloramines are also commonly used in drinking water systems because they have less carcinogen developing properties than free chlorine.

Conveyance

CAWD pumps the water from the treatment plant to Pebble Beach using vertical turbine pumps. The water must travel about 5 miles and up in elevation of about 250 feet to get to the Pebble Beach storage infrastructure.

Targeted Removals of Main Pollutants

- BOD target removal of 90% of influent average BOD per month.
- TSS target removal of 90% of influent average TSS per month.

Overview of Any Liquid or Solid Waste Produced

- Liquids see Section C Flow Evaluation
- Solid Waste see Section G Sludge Management

Upgrades Since the 2014 Permit was Issued

New Structures:

- Anaerobic Digester #2 -450,000 gallons.
- Control Building for Anerobic Digester #2 with future space for cogeneration equipment.
- Ferric Chloride Storage and Dosing for Sulfide control in digesters.
- Sodium Hypochlorite/Sodium Bisulfite storage 9,000 gallons of each product, new chemical dosing pumps (with redundancy).
- Storm water pump station to retain all storm water collected on facility site and treated in the plant flow stream.
- Waste gas burner to meet the stricter clean air requirements.
- 2023 new sludge holding tank, replacement of 1938 sludge digester. Installed new sludge mixing system in new sludge holding tank and instrumentation.

Existing Structures that Received Upgrades

- Dewatering Building received new screw-press and polymer systems.
- Blower Building received new energy blower and air diffuser membranes.
- Dissolved Air Floatation Thickener received new solids collector and drive, sludge pumps, and air compression systems.
- Operations Building received new Motor Control Center, Programable Logical (PLC) Computer and Supervisory Control and Data Acquisition System (SCADA).
- Fresh Water System (1 water system) Air Gap System with dual re-pressurization pumps.
- Return Activated Sludge (RAS)/Waste Activated Sludge (WAS) building received new Motor Control Center, Programable Logical (PLC) Computer and Supervisory Control and Data Acquisition System (SCADA).
- The Chlorination Building removed all Chlorine (CL_2) gas system.
- Phase two completion 2023 included:
- Influent pump station: 4 new influent pumps and Motor Control Center for building.

- Headworks equipment: replaced influent flow meter, installed new slide gates, new grit collector drive, new grit washer, installed new influent screens and rag compactor. New Motor Control Center and instrumentation.
- Chlorination/Dechlorination Building: installed new Motor Control Center and Programable Logic Controller. New chlorine analyzers and sample pumps.
- Final Effluent Pump Station: replaced Motor Control Center and Programable Logic Controller. Replaced isolation valves on all pumps in station. Replaced effluent flow meter. Installed mixing system in wet well to prevent solids building up on the floor of the station.
- Replaced main electrical feeds to all areas of Motor Control Center replacement including new power to Laboratory during power failures.

Section A: Data Tables and Graphs

TABULAR SUMMARY OF 2024 RECLAMATION NPDES REPORTABLE DATA

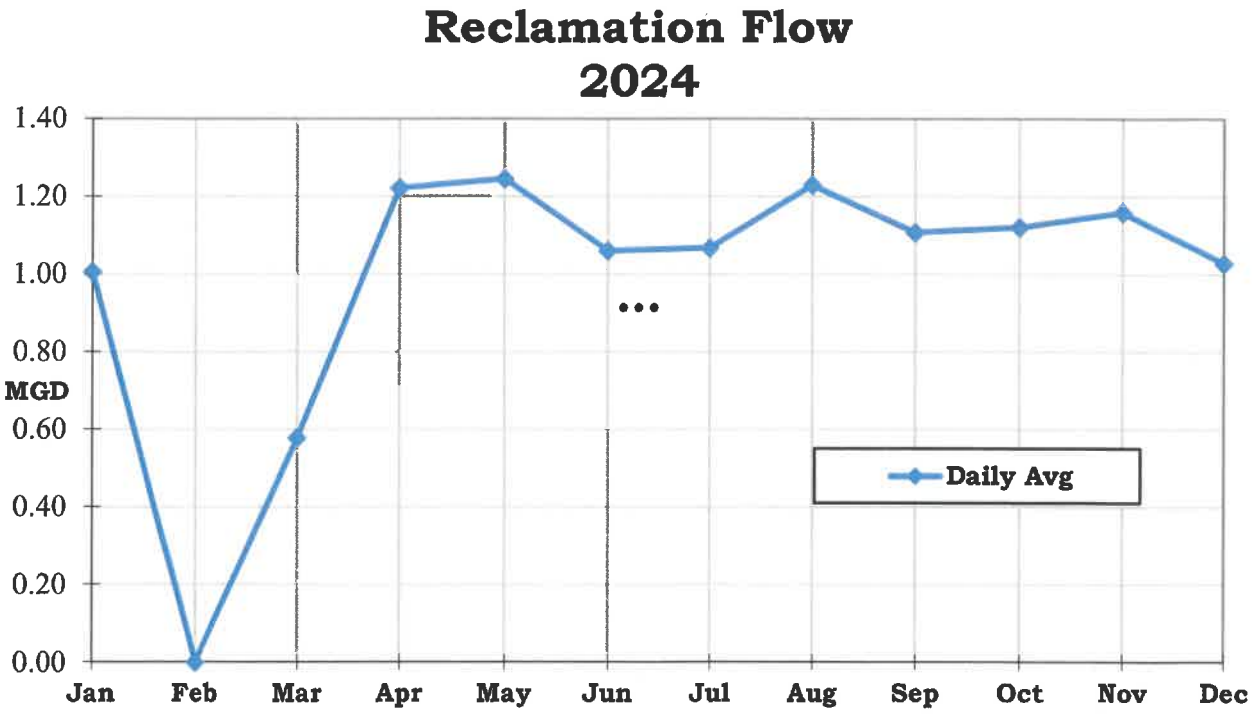
	Reclaimed Flows		$CBOD_5$	Total Suspended Solids	Turbidity	
Month	Monthly Total Flow MG	Daily Avg MGD	5-Day mg/l	Total Residue mg/l	Metered NTU's Avg	Max
Jan	14.961	1.007	1.30	0.04	0.02	0.04
Feb	0.000	0.000	0.00	0.00	0.00	0.00
Mar	4.626	0.578	1.60	0.30	0.05	0.05
Apr	16.112	1.222	2.30	0.40	0.04	0.06
May	35.072	1.246	2.00	0.40	0.03	0.09
Jun	33.894	1.061	2.50	0.90	0.03	0.05
Jul	34.573	1.068	1.70	0.30	0.02	0.04
Aug	35.254	1.230	2.80	0.80	0.03	0.05
Sep	30.640	1.108	6.00	2.00	0.03	0.04
Oct	29.739	1.121	7.90	2.60	0.03	0.06
Nov	29.738	1.159	5.60	2.00	0.03	0.06
Dec	31.866	1.028	2.20	2.20	0.03	0.05

Lab Data 1

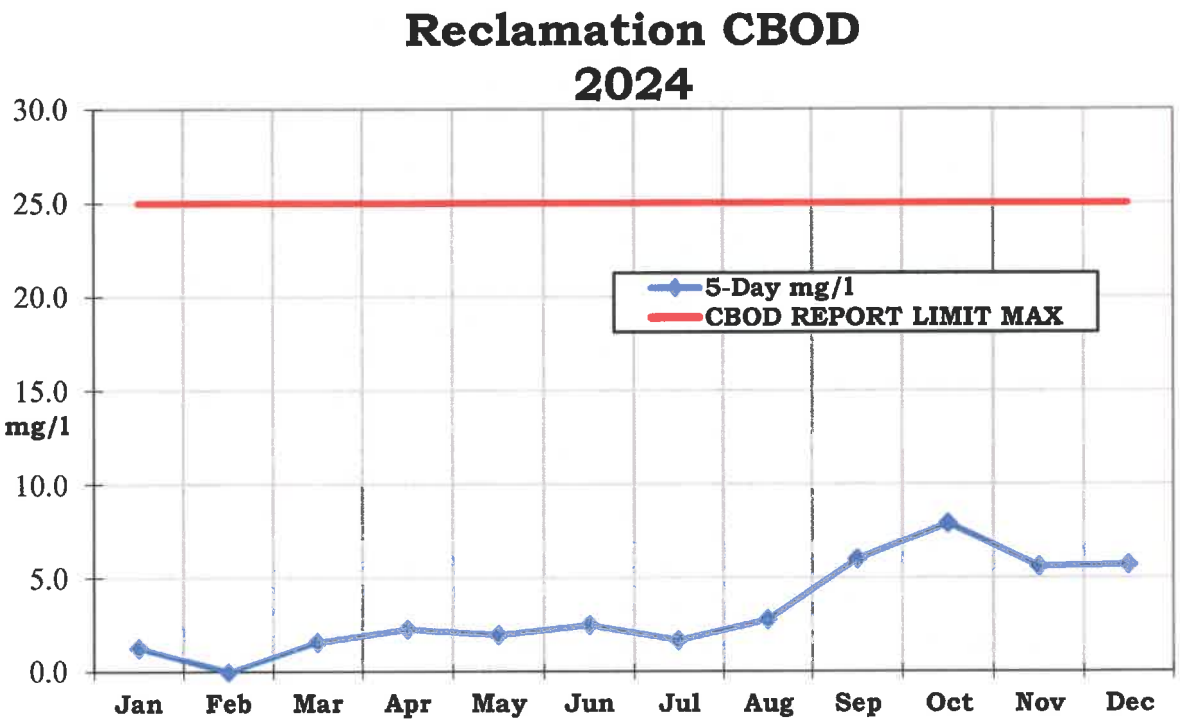
Month	CL2 Residual Metered mg/l Min	CL2 Residual Metered mg/l Max	pH Grab Daily Units	Total Coliforms mpn / 100 ml	Sett. Solids ml/l	TDS mg/l
Jan	7.25	8.70	7.1	<1.0	<0.1	212
Feb	0.00	0.00	0.0	0.0	0.00	0
Mar	6.28	8.97	6.9	<1.0	<0.1	164
Apr	7.19	8.52	7.1	<1.0	<0.1	217
May	8.13	9.24	6.9	<1.0	<0.1	236
Jun	7.67	9.21	6.9	<1.0	<0.1	246
Jul	7.69	9.06	7.1	<1.0	<0.1	284
Aug	7.82	9.01	7.4	<1.0	<0.1	283
Sep	7.92	9.08	7.3	<1.0	<0.1	248
Oct	7.42	9.03	7.3	<1.0	<0.1	234
Nov	7.32	8.63	7.3	<1.0	<0.1	234
Dec	6.89	8.28	7.2	<1.0	<0.1	234

Lab Data 2

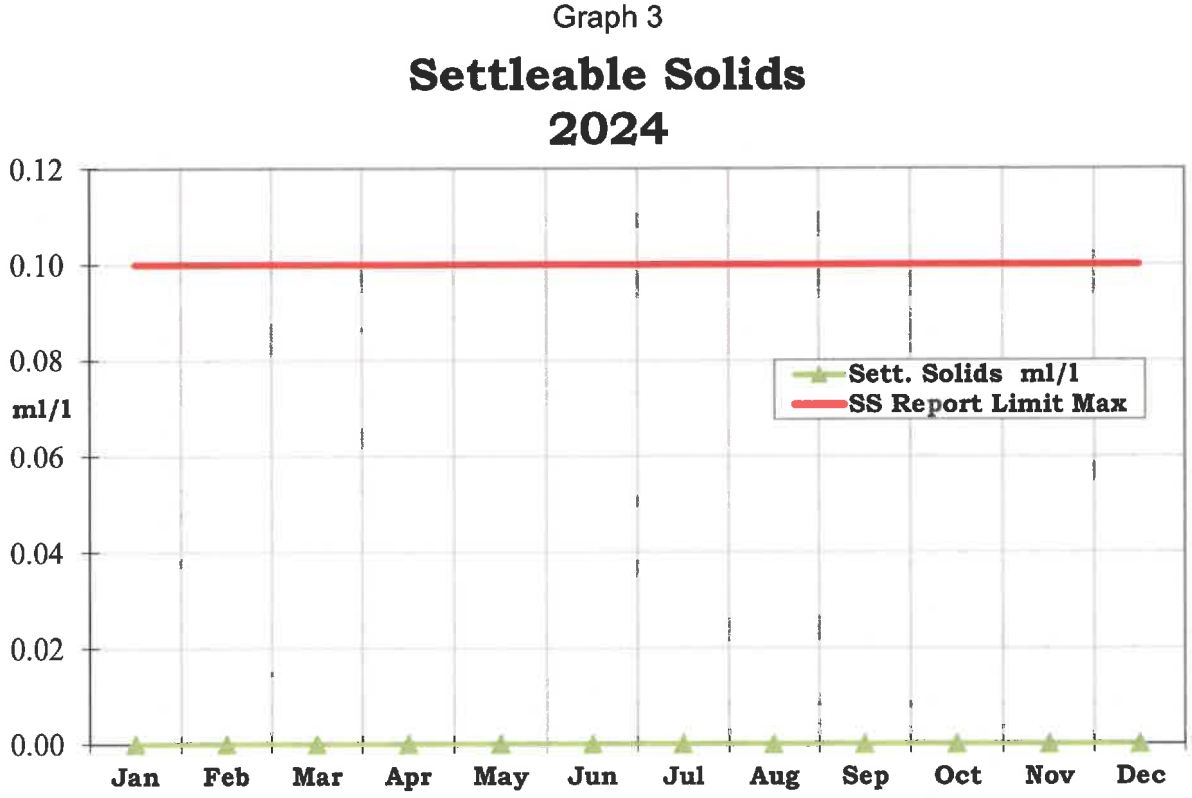
Graph 1



Graph 2

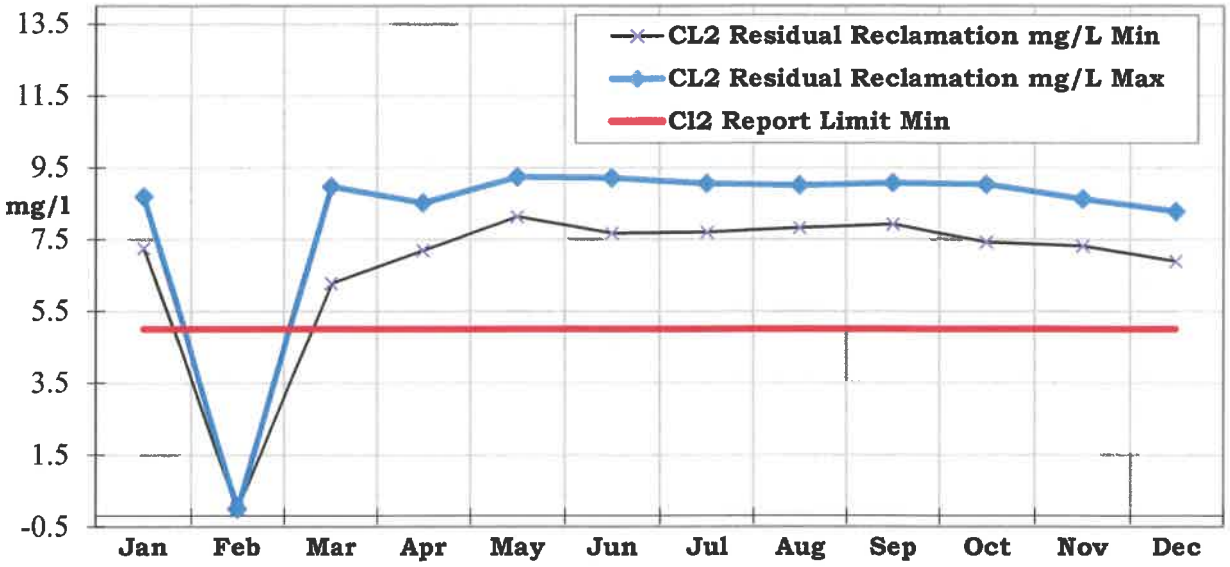


Graph 3



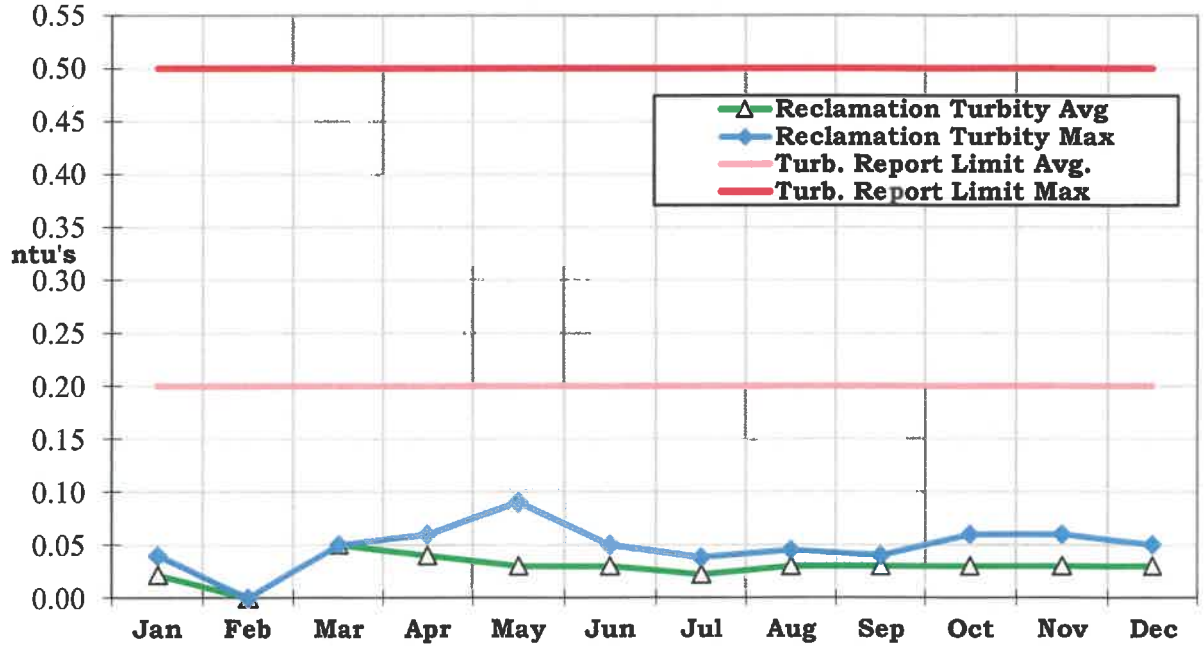
Graph 4

Chlorine Residual 2024

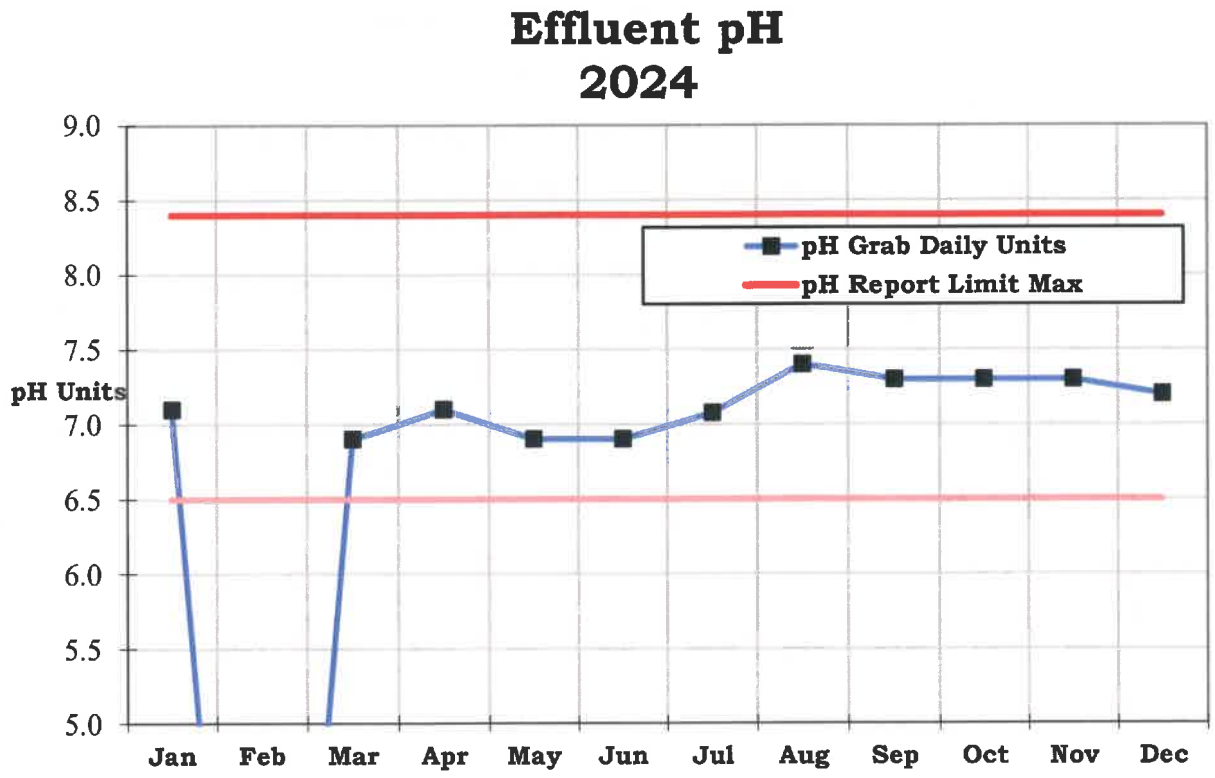


Graph 5

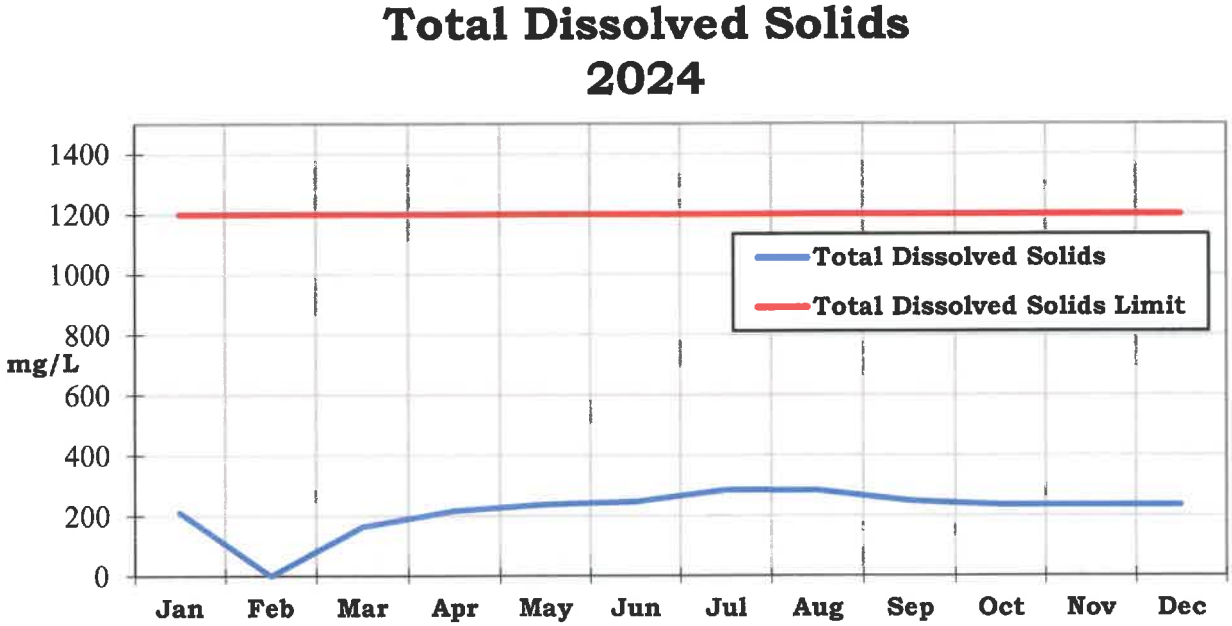
Effluent Turbidity 2024



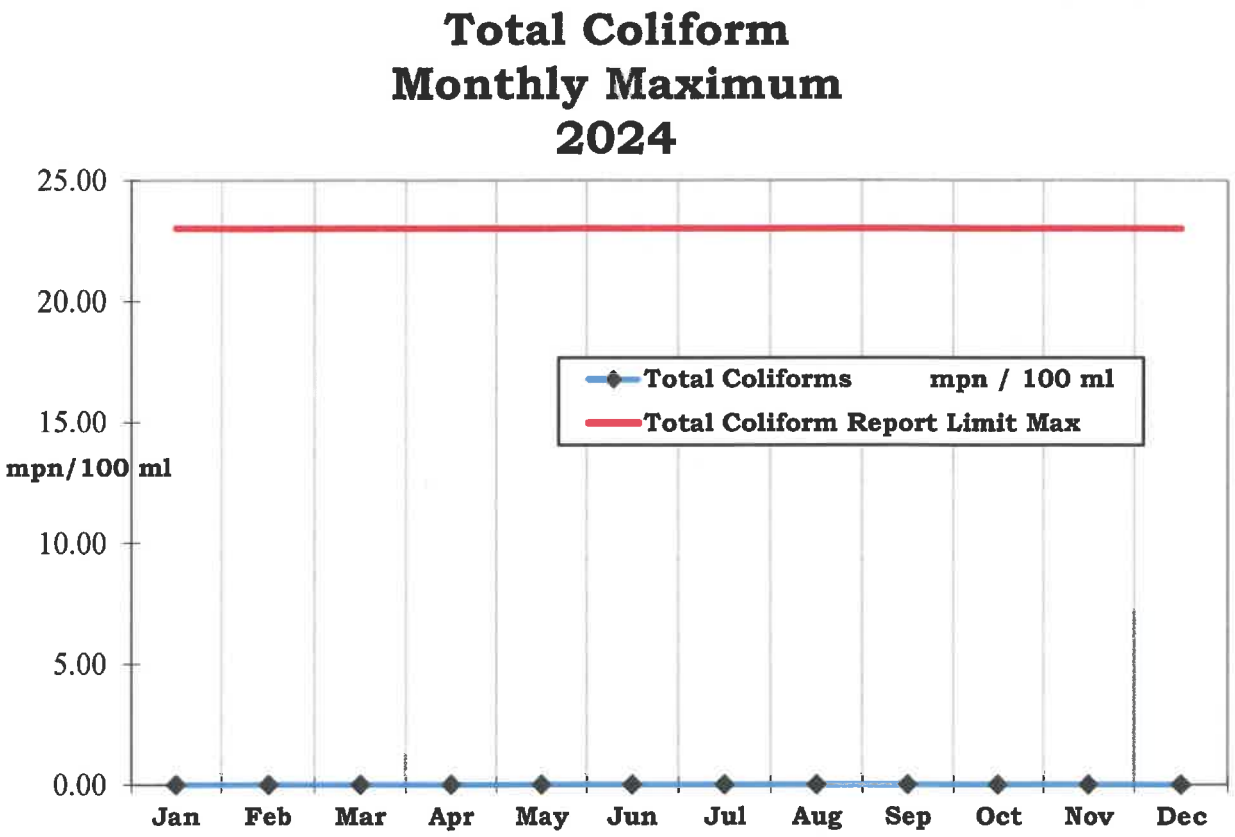
Graph 6



Graph 7



Graph 8



Section B: Compliance and Performance

- Treatment facility performance through percent removal of main pollutants.
  - CBOD percent removal (2024 annual average) was 99.0%
  - TSS percent removal (2024 annual average) was 99.9%

- Discussion of the previous year's compliance record.

  Carmel Area Wastewater District (CAWD) had no incidents of noncompliance for the year 2024 for WDR order No. 93-72.

- Any nuisance conditions or system problems.
  - None at this time.

For Facilities That Measure Groundwater

This Facility does not have requirements to perform groundwater measurements – Not applicable.

Section C: Flow Evaluation

2022	Max Monthly Daily Flow	Monthly Total
January	1.518	25.497
February	1.121	22.463
March	1.198	27.006
April	1.099	25.631
May	1.168	31.153
June	1.150	30.014
July	1.177	32.026
August	1.220	32.014
September	1.228	29.721
October	1.065	28.117
November	1.243	29.480
December	1.313	36.035
Total annual flow		349.157

Flow Data 1

2023	Max Monthly Daily Flow	Monthly Total
January	1.615	23.155
February	0.235	2.262
March	0.203	0.842
April	1.195	24.024
May	1.200	33.644
June	1.417	31.829
July	1.296	33.105
August	1.184	32.645
September	1.195	30.048
October	1.083	29.379
November	1.169	28.608
December	1.196	29.423
Total annual flow		298.964

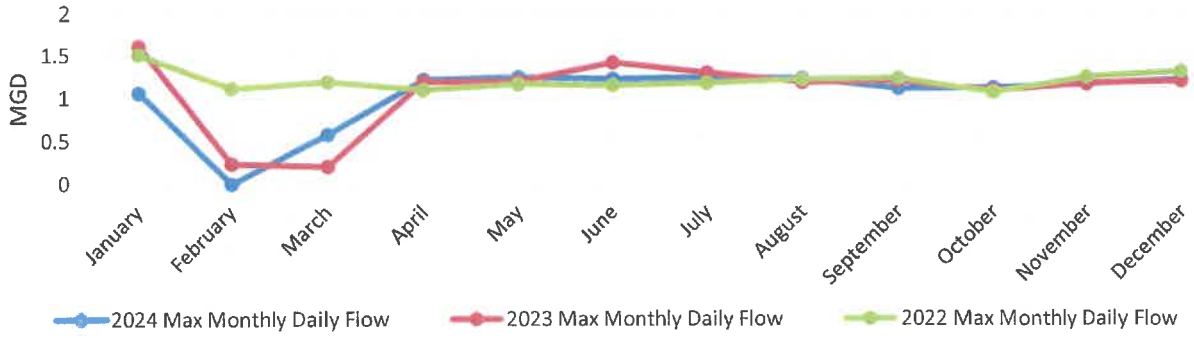
Flow Data 2

2024	Max Monthly Daily Flow	Monthly Total
January	1.069	14.961
February	0.000	0.000
March	0.578	4.626
April	1.222	16.112
May	1.246	35.072
June	1.227	33.894
July	1.242	34.573
August	1.230	35.254
September	1.108	30.640
October	1.121	29.739
November	1.159	29.738
December	1.220	31.866
Total annual flow		296.475

Flow Data 3

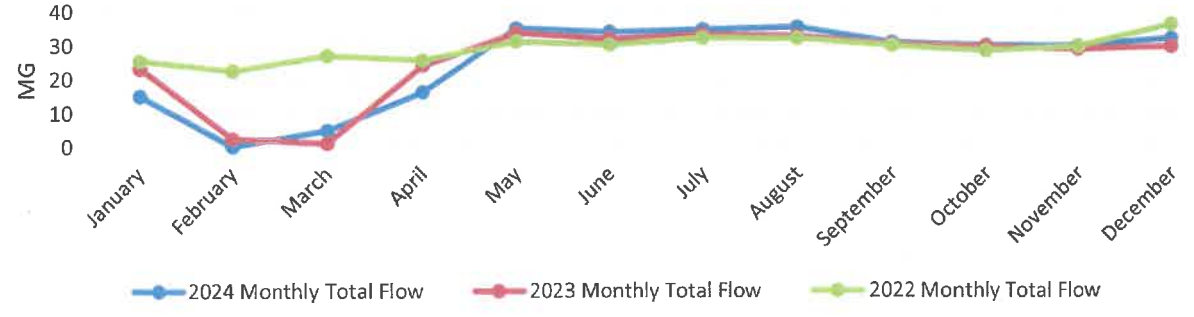
Graph 9

Flow Evaluation Max Daily Flow



Graph 10

Flow Evaluation Monthly Total Flow



Section D: Operator Certification

Name	Operations Position	SWRCB Certification Level Maintained	License No.
Edward Waggoner	Operations Superintendent	V	4011
Kevin Young	Operations Supervisor	V	9660
Christian Schmidt	Senior Operator	III	28643
Chris Dixon	Senior Operator	III	40697
Michael Hooks	Senior Operator	III	41183
Michael Garrison	Operator II	III	10674
Charles DayEngel	Operator II	II	41894
Rhommel Lopez	Operator I	I	78920

Section E: Operation and Maintenance

The Carmel Area Wastewater District's Reclamation Operation and Maintenance Manual was first written and submitted by the design engineers to the district on 12 August 1994 following a review and comment period. Corrections/amendments were made, and the last 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, exists, 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 F: Laboratory Information

1	Monterey Bay Analytical Services 4 Justin Court, Suite D Monterey, CA 93940 CA ELAP # 2385
2	Aquatic Bioassay & Consulting Laboratories, Inc. 29 North Olive Street Ventura, CA 93001 CA ELAP# 1907
3	Carmel Area Wastewater District (CAWD) PO Box 221842 Carmel, CA 93923 (831) 257-0432 -Phone (831) 624-1478 -Fax CA ELAP # 1804
4	Fruit Growers Laboratories (FGL) 853 Corporation St San Luis Obispo, CA 93401 CA ELAP # 1573

Section G: Sludge Management

Sludge Management is managed by the Carmel Area Wastewater District NPDES permit CA0047996 and is addressed in that annual report. – Not Applicable.

Section H: Pretreatment

Pretreatment Management is managed by the Carmel Area Wastewater District NPDES permit CA0047996 and is addressed in that annual report. – Not Applicable.

Section I: Salt and Nutrient Management Plan

This facility does not need a salt and nutrient management plan. – Not Applicable.

Section J: Collection System Management Plan

The Collection System Management Plan is managed by the Carmel Area Wastewater District NPDES permit CA0047996 and is addressed in that annual report. – Not Applicable.

Section K: Mercury Seals

This facility does not use Mercury Seals – Not Applicable.

Section L: Figures

Figure 1 Shows Process and Includes Sampling Points ES-1, ES-2, ES-3 and EFF002

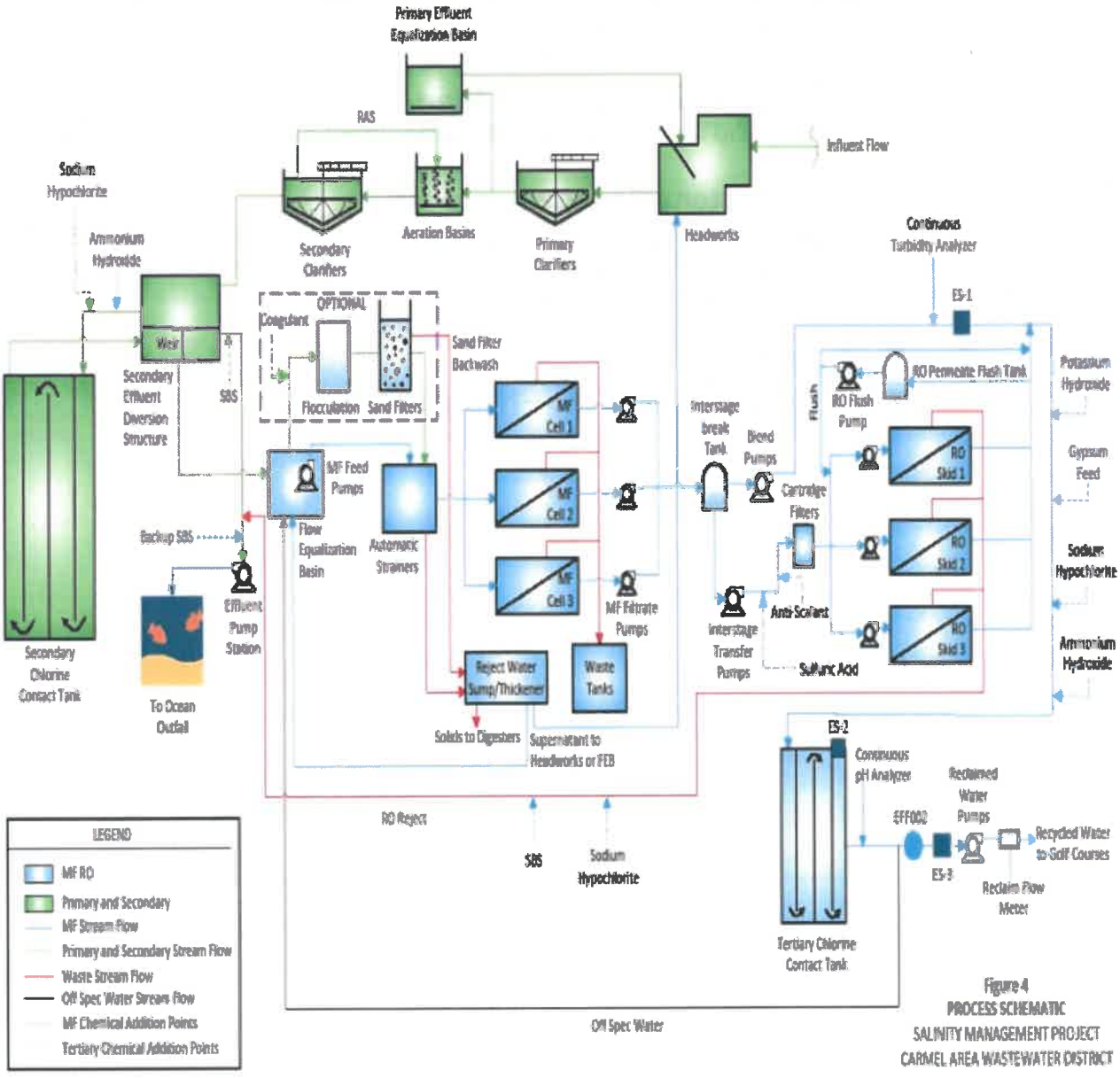


Figure 1

Figure 2

Lab Reports

This facility's Monitoring and Reporting Program requirements do not have specific annual monitoring.

CARMEL AREA WASTEWATER DISTRICT (CAWD)

26900 State Route 1

CARMEL, CA 93923

ANNUAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REPORT FOR 2024

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Introduction

Facility Objective: Carmel Area Wastewater District protects public health and enhances the environment by collecting and treating wastewater while recycling valuable resources for golf course irrigation in the Carmel Bay region.

Treatment Technologies Used

The CAWD Wastewater Treatment Plant (WWTP) has a permitted capacity of 3.0 million gallons per day (MGD) of dry weather flow. Current average dry weather flow (ADWF) is approximately 1.1 MGD which represents 37% of the permitted capacity. Of the 1.1 MGD, approximately two-thirds are from CAWD customers, and the remaining one-third is from Pebble Beach Community Service District customers.

During large storm events the inflows can increase up to eight times the dry-weather rates. This requires the plant equipment and processes designed to handle large hydraulic loads during the winter months.

Influent Pumping

The purpose of influent pumping is to lift the incoming untreated sewage from the terminus of the several interceptor sewers up and into the headworks from where the sewage can flow by gravity through the other treatment processes. Approximately 97% of the influent sewage is pumped at the influent pump station; the remaining 3% is discharged directly into the headworks from the Calle La Cruz pump station in the Carmel Meadows subdivision.

During power outages, a dual standby generator system automatically provides backup power to all four (4) influent pumps. There is always at least a 7-day supply of fuel onsite to power the standby generator.

Headworks

The headworks structure, together with the adjacent influent manhole, contains essentially all the pretreatment processes of the plant. Unit processes located within the headworks are influent flow measuring, automatic bar screening, grit removal and washing.

The automatic bar screens removes rags and other large solids from the raw sewage and into a hopper which stores the screenings until they are removed and disposed of at the landfill.

Grit (i.e. sand, coffee grounds, etc.) is removed from the raw sewage by means of settling in an agitated tank. The agitation keeps the lighter organic solids in suspension and allows the heavier solids to drop out and be removed by pumping the contents from the bottom of the tank into a grit classifier and washer. The grit washer further separates the heavier grit

particles from the lighter organic matter and the grit is then disposed of into a bin for disposal at the landfill.

Primary Sedimentation Tanks

The Primary Clari-Thickener tanks remove the majority of suspended solids from the wastewater by gravity settling. CAWD has two primary Clari-Thickener tanks for redundancy. The Clari-Thickener combines the feature of a Primary clarifier for removing settleable solids and floating matter (scum) and a thickening well for concentrating sludge prior to withdrawal for further treatment. Each tank has a mechanical scraper which rotates around the sloping bottom and pushes settled sludge to a sludge thickening zone and a sludge sump. Sludge is withdrawn from the tanks and is transported to the anaerobic digestion tanks. Floating matter is mechanically skimmed into collecting hoppers and is also transported to the anaerobic digestion tanks.

The primary sedimentation process is a physical process utilizing gravitational forces. Settleable and suspended solids, which are the major components of sludge and are heavier than water, settle out of the sewage along with any grit carryover from the headworks. Scum, which is lighter than water, floats to the surface and is removed by skimming. Approximately 60 to 65 percent of the suspended solids will be removed by gravitational forces as part of primary sedimentation.

Effluent from the primary sedimentation tanks overflows into double sided circumferential launders and then flows into either the primary equalization system or the aeration basins.

Primary Equalization

The flow equalization basins are designed to reduce flow to the treatment plant during daytime periods of high influent flow. Wastewater stored in the flow equalization basins is reintroduced into the normal wastewater stream at the option of the operator in order to maintain operation of the Reclamation facility when influent flows are low. This operation also ensures that influent flow can be prioritized for reclamation uses over discharge to the outfall.

The reintroduced flow is pumped back to the Headworks.

Diffusers are located in the flow equalization basin to prevent stored wastewater from becoming septic.

Anoxic Selector

The Anoxic Selector mixes the return activated sludge (RAS) from the secondary clarifiers with effluent from the primary clarifiers and equally distributes the combined flow to Aeration Basins No. 4, 5, and 6.

Aeration (Biological Activated Sludge Process)

The aeration structures (basins) are designed to promote the growth of helpful bacteria organisms which consume the nutrients in the sewage. This is called the "activated sludge" process. By injecting large amounts of oxygenated air, these bacteria thrive and consume the biological oxygen demand, ammonia, carbohydrates, fats, etc. in the sewage and convert it into bacterial mass or "sludge" for removal in the Secondary Sedimentation Tanks.

The aeration structures can hold about 1.15 million gallons total divided into three separate basins. The helpful bacteria population is maintained in the basins by returning a portion of the sludge separated out of the water downstream in the Secondary Sedimentation Tanks back to the front of the Aeration Basins. This allows the helpful bacteria to live out their life cycle in the treatment process, all the while providing a beneficial service to the treatment process.

CAWD utilizes A2O process which creates different zones in the aeration basins, some with oxygen (aerobic), and some without oxygen (anoxic/anaerobic). The different zones allow for selecting the types of bacteria that are the most beneficial and to enhance the nitrification process.

Aeration in each basin is accomplished by air blowers feeding fine bubble diffusers at the bottom of each basin. Air flow is regulated by automatic dissolved oxygen (DO) control systems.

Mixed Liquor Distribution Structure

The Mixed Liquor Distribution Structure receives and combines the flows exiting the Aeration Basins. Combined flow is then gravity-fed to the Secondary Clarifiers. Two gates are used to control flow to each of the two Secondary Clarifiers.

Secondary Sedimentation Tanks

The Secondary Sedimentation Tanks are similar to the Primary Sedimentation Tanks except they are designed to remove lighter suspended solids. There are two tanks, each equipped with rotating mechanical sludge and scum collectors. The effluent from the Aeration Basins enters each tank through the bottom, rises up through the center column, and then is distributed into the sedimentation zone. Settled sludge is removed from the tank and clean water flows over weirs to the next step in the process (disinfection). The sludge is pumped back to the Aeration process to maintain the helpful microorganism population or wasted to the solid’s treatment process. Scum is collected from the surface of the wastewater in each tank and returned to a sump in the Aeration Structure, from which it is then pumped to the solid’s treatment process.

The clean water coming out of the Secondary Sedimentation Tanks is clear and has exceptionally low concentrations of bacteria and ammonia. Disinfection/Dechlorination is next

and is the final treatment step before this water is sent to the Reclamation Facility or to the Ocean.

Secondary Effluent Diversion Structure

The Secondary Effluent Diversion Structure serves two purposes:

1. Aiding downstream disinfection - Secondary flow enters the structure where an injection of Sodium Hypochlorite and aqueous ammonia is used for disinfection leading into the chlorine contact channels at the Chlorination Building. When ammonia is introduced under the appropriate conditions, it reacts with hypochlorous acid to produce monochloramine. Monochloramine is used as a disinfectant rather than free chlorine because free chlorine is detrimental to the Reverse Osmosis membranes at the Reclamation Facility. The amount of chlorine and ammonia required to produce monochloramine is based on the ideal weight ratio of 5:1. The desired ratio is controlled, monitored, and driven by programmable logic controllers at the in the Sodium Hypochlorite/Sodium Bisulfite Building and the ammonia injection system at the Tertiary Facilities.

2. Flow Management – The Secondary Diversion Structure also receives the effluent flow from the Chlorination Building and either directs the flow to the holding basin at the Tertiary Building prior to reclamation or to the Outfall Building for ocean discharge.

Disinfection/Dechlorination

The last step to cleaning the water is disinfection/dechlorination. Disinfection is accomplished using liquid chlorine (i.e., bleach) which kills bacteria and deactivates viruses and protozoa that may be harmful to human health. A small concentration of chlorine is maintained in the water for about 2 hours to make sure all of the harmful pathogens are killed or deactivated. The residual chlorine is then removed using liquid sodium bisulfite. At this point, the water is safe to send out to the ocean, but most of the time it is sent to the Reclamation Facility for further treatment to allow the water to be reused for irrigating golf courses in Pebble Beach.

Treated Water Pump Station and Ocean Outfall

The treated water is pumped to Carmel Bay, or it is treated further in the Reclamation Facility and sent to Pebble Beach golf courses for irrigation. The water that is pumped to the ocean the majority of the year is concentrated brine which is the water left after treatment through the Reverse Osmosis (RO) system in the Reclamation Facility. The RO system removes dissolved solids (i.e., salts), which are collected in the brine. This brine is then pumped to the ocean. The salt content of the brine is lower than the salt content in the ocean and so there are no detrimental effects associated with the brine. During winter storms, when flows increase, a portion of the secondary treated wastewater is not sent to the Reclamation Facility and goes directly out of the outfall.

A pipeline carries the treated water or brine to the ocean. The existing ocean outfall is a 24-inch diameter, concrete encased pipe with 10 diffuser ports along the pipe. Each port has a rubber “duckbill” type valve to prevent debris from entering the outfall pipe during periods of low flow. The diffusers are designed to quickly disperse the treated water into the receiving water so that there is no environmental degradation around the outfall.

Solids Treatment and Disposal

There are several individual processes that are utilized to manage and treat the solids generated from the wastewater treatment process. These are: Sludge Thickening, Anaerobic Digestion, and Dewatering.

Sludge Thickening

The lighter sludge generated by the Secondary Sedimentation Tanks and the Microfiltration Membranes (Reclamation) are sent to the Dissolved Air Flotation Sludge Thickener (DAFT) to thicken the sludge before sending it to the Anaerobic Digesters.

Thickening is achieved by adding fine air bubbles into a tank containing the light sludge. The air lifts the sludge particles to the surface so they can coalesce at the surface and be skimmed off in a more concentrated/thick state. This thicker sludge that is collected is sent to the Anaerobic Digesters. The liquid the solids are separated from is returned to the Headworks to be treated again through the plant.

This is not required for the sludge from the Primary Sedimentation Tanks which is already thick enough to send straight to the digesters.

Anaerobic Digestion

The solids treatment process takes sludge and other solids and places them in an anaerobic digester where the sludge is kept at about 95 degrees and anaerobic bacteria are utilized to stabilize the sludge and remove pathogens. The detention time in the anaerobic digesters is maintained at around 20 days or more.

A byproduct of the anaerobic digestion process is methane. CAWD uses the methane produced to generate electricity using two microturbines. The microturbines can produce about 15% of the power demand required by the wastewater treatment plant (not including the Reclamation Facility).

After the solids have been stabilized sufficiently by the digestion process the solids are held in a holding tank before they are sent to the dewatering equipment.

Dewatering and Land Application

Dewatering is a physical/mechanical process used to reduce the moisture in digested sludge (biosolids). There are several reasons for dewatering sludge. In general, it is more economical to dispose of the dewatered sludge than it is to pump or haul liquid sludge to disposal sites because by reducing the moisture content, the sludge volume and weight are reduced.

The CAWD plant uses a belt filter press or a screw press to dewater the digested sludge. This equipment presses out the moisture from the sludge to create a dry material that is essentially dirt that can be land applied.

The dewatered sludge is hauled by truck to Kern County where it is used as a compost amendment for nonfood crops.

Targeted Removals of Main Pollutants

- BOD target removal 85% of influent average BOD per month.
- TSS target removal 85% of influent average TSS per month.

Overview of Any Liquid or Solid Waste Produced

- Liquids see Section C Flow Evaluation
- Solid Waste see Section G Sludge Management

Upgrades Since the 2014 Permit was Issued

New Structures:

- Anaerobic Digester #2 - 450,000 gallons.
- Digester Control Building for Anerobic Digester #2 with future space for cogeneration equipment.
- Ferric Chloride Storage and Dosing for Sulfide control in digesters.
- Sodium Hypochlorite/Sodium Bisulfite storage 9,000 gallons of each product, new chemical dosing pumps (with redundancy).
- Storm water pump station to retain all storm water collected on facility site and treated in the plant flow stream.
- Waste gas burner to meet the stricter clean air requirements.

Existing Structures that Received Upgrades

- Phase one completion 2017.
    - Dewatering Building received new screw-press and polymer systems.
    - Blower Building received new energy efficient blower and air diffuser membranes.
    - Dissolved Air Floatation Thickener received new solids collector and drive, sludge pumps, and air compression systems.

- Operations Building received new Motor Control Center, Programable Logical (PLC) Computer and Supervisory Control and Data Acquisition System (SCADA).
- Fresh Water System (1 water system) Air Gap System with dual repressurization pumps.
- Return Activated Sludge (RAS)/Waste Activated Sludge (WAS) building received new Motor Control Center, Programable Logical (PLC) Computer and Supervisory Control and Data Acquisition System (SCADA).
- The Chlorination Building removed all Chlorine (CL_2) gas system.

- Phase two completion 2023 included:
  - Influent pump station: 4 new influent pumps and Motor Control Center for building.
  - Headworks equipment: replaced influent flow meter, installed new slide gates, new grit collector drive, new grit washer, installed new influent screens and rag compactor. New Motor Control Center and instrumentation.
  - Chlorination/Dechlorination Building: installed new Motor Control Center and Programable Logic Controller. New chlorine analyzers and sample pumps.
  - Final Effluent Pump Station: replaced Motor Control Center and Programable Logic Controller. Replaced isolation valves on all pumps in station. Replaced effluent flow meter. Installed mixing system in wet well to prevent solids building up on the floor of the station.
  - Replaced main electrical feeds to all areas of Motor Control Center replacement including new power to Laboratory during power failures.

Section A: Data Tables and Graphs

TABULAR AND GRAPHICAL SUMMARY OF 2024 NPDES REPORTABLE DATA

	Influent Flows			BOD			Suspended Solids		
Month	Total	CAWD total	PBCSD total	Influent mg/l	Effluent mg/l	Effluent lbs/day	Influent mg/l	Effluent mg/l	Effluent lbs/day
Jan	46.648	28.966	17.682	222	7	56	456	7	56
Feb	62.617	39.689	22.928	233	5	88	345	4	71
Mar	54.062	34.659	19.403	275	6	79	404	5	66
Apr	44.703	28.940	15.763	440	7	56	962	7	56
May	41.687	26.209	15.478	276	11	14	1299	9	12
Jun	37.804	24.432	13.372	360	10	9	1659	9	8
Jul	39.815	26.784	13.031	440	12	15	1566	4	5
Aug	39.961	27.385	12.576	444	12	12	1328	7	7
Sep	35.109	23.926	11.183	342	16	15	1152	14	13
Oct	34.859	24.098	10.761	339	9	8	913	32	29
Nov	34.579	24.499	10.080	270	11	9	620	8.3	7
Dec	38.251	26.684	11.567	291	9	12	683	7.7	11

Lab Data 1

					pH			
	Sett Solids	CL2 Residual	Removal Efficiency		Effluent Units		O&G	
Month	Effluent ml/l	Effluent mg/l	BOD %	T.S.S. %	Min	Max	Effluent mg/l	Effluent lbs/day
Jan	NODI(B)	0.00	97.0	99.0	6.7	7.2	NODI(B)	NODI(B)
Feb	NODI(B)	NODI(B)	98.0	99.0	6.8	7.4	NODI(B)	NODI(B)
Mar	NODI(B)	NODI(B)	98.0	99.0	6.8	7.3	NODI(B)	NODI(B)
Apr	NODI(B)	NODI(B)	98.0	99.0	6.7	7.2	3.00	47.37
May	NODI(B)	NODI(B)	96.0	99.0	6.9	7.4	NODI(B)	NODI(B)
Jun	0.10	NODI(B)	97.0	99.0	7.0	7.3	NODI(B)	NODI(B)
Jul	0.10	NODI(B)	97.0	100.0	6.9	7.5	NODI(B)	NODI(B)
Aug	0.10	NODI(B)	97.0	100.0	7.2	7.5	NODI(B)	NODI(B)
Sep	0.10	NODI(B)	95.0	99.0	6.8	7.4	NODI(B)	NODI(B)
Oct	0.11	1.52	97.0	97.0	7.0	7.4	NODI(B)	NODI(B)
Nov	0.10	0.00	99.7	99.9	7.0	7.3	NODI(B)	NODI(B)
Dec	0.22	NODI(B)	99.7	99.9	6.9	7.2	NODI(B)	NODI(B)

NODI(B) = NO DETECTION

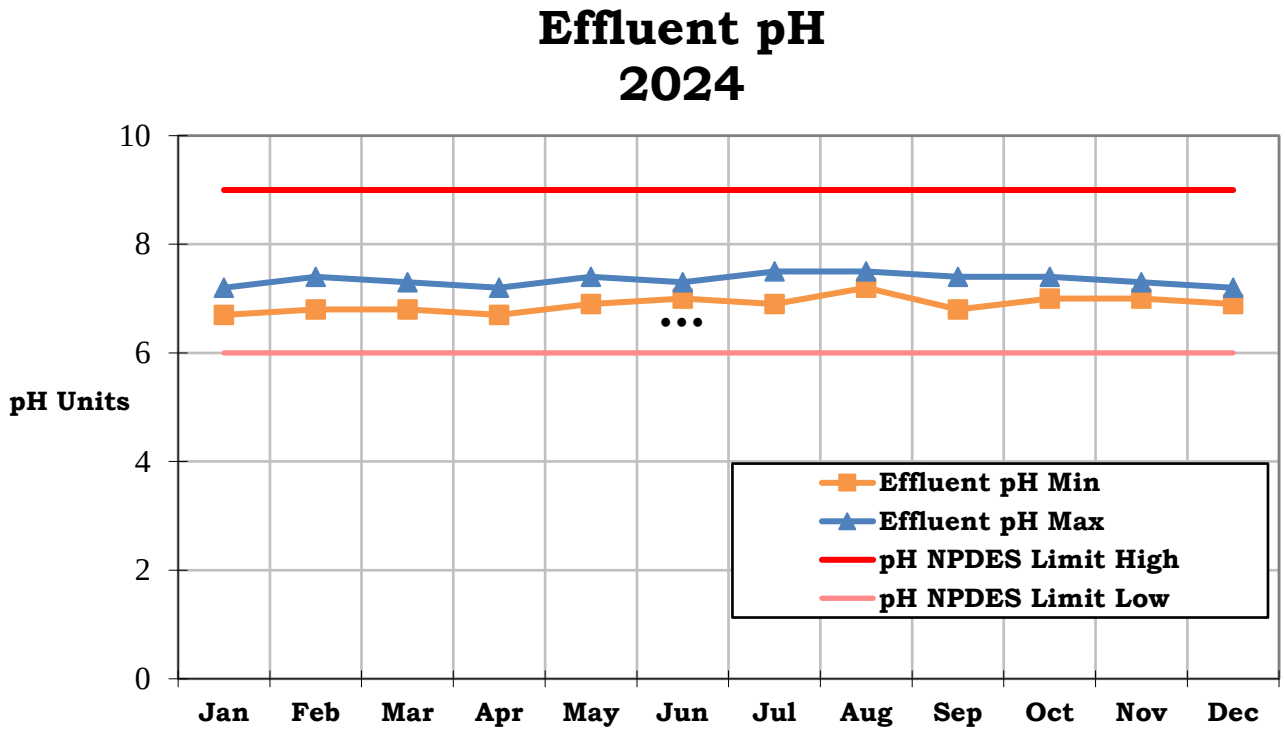
Lab Data 2

	Turbidity	Ammonia Effluent mg/l	Nitrate Effluent mg/l	Effluent	Sludge Cake	Effluent Coliform	Urea Effluent mg/l	Silicate Effluent mg/l
Month	Effluent NTU's			Temp Deg. F	Total Cu.Yds.	Bacteria mpn/100 ml		
Jan	1.99	27.2	24.4	65.3	149.8	1.0	39	24
Feb	2.17	4.6	11.7	64.8	124.1	1.0	76	28
Mar	1.6	10.4	46.8	65.7	157.3	1.0	78	64
Apr	2.2	16.6	40	67.5	146.5	1.0	74	99
May	1.24	15.8	90.2	68.9	156.7	1.0	147	114
Jun	1.41	35.8	156	70.5	174.4	1.0	224	214
Jul	1.35	43.3	195	73.2	184.1	1.0	86	235
Aug	1.34	24.1	180	75.4	213.2	1.0	119	230
Sep	1.65	33.1	218	73.6	176.3	1.0	120	229
Oct	2.53	37	186	73.2	147.0	2.0	255	212
Nov	1.58	42	195	68.9	150.6	1.8	172	263
Dec	1.84	29.8	208	67.3	159.6	19.6	116	230

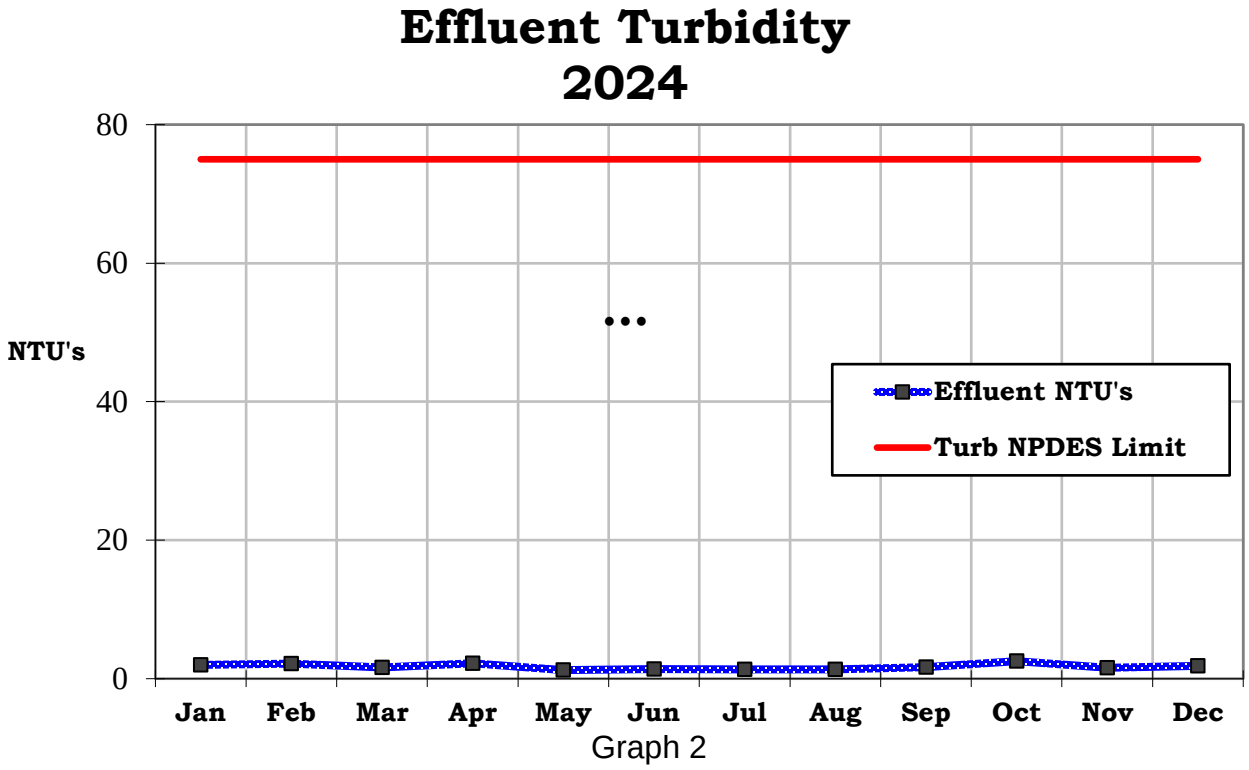
Lab Data 3

	Receiving Waters								
	Total Coliform			Fecal Coliform			Entero. Org.		
Month	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	NA	NA	NA	NA	NA	NA	NA	NA	NA
Feb	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mar	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr	NA	NA	NA	NA	NA	NA	NA	NA	NA
May	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jun	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aug	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sep	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oct	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nov	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dec	NA	NA	NA	NA	NA	NA	NA	NA	NA

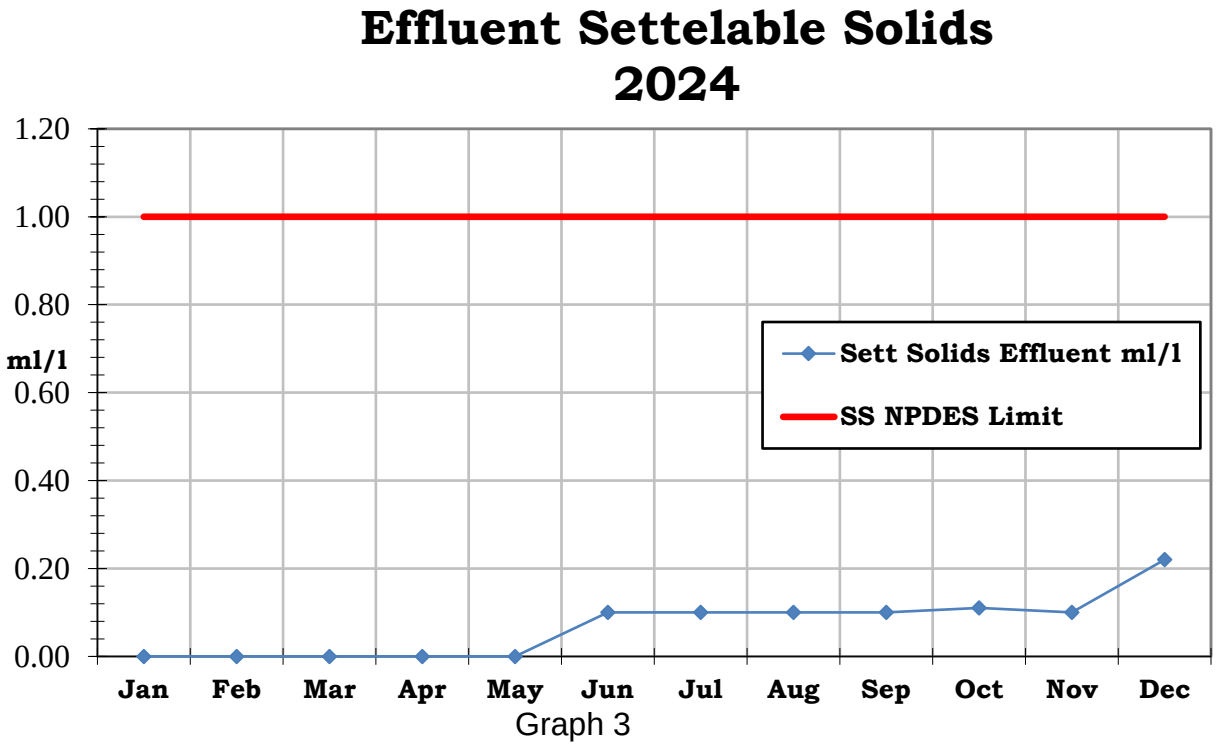
Lab Data 4



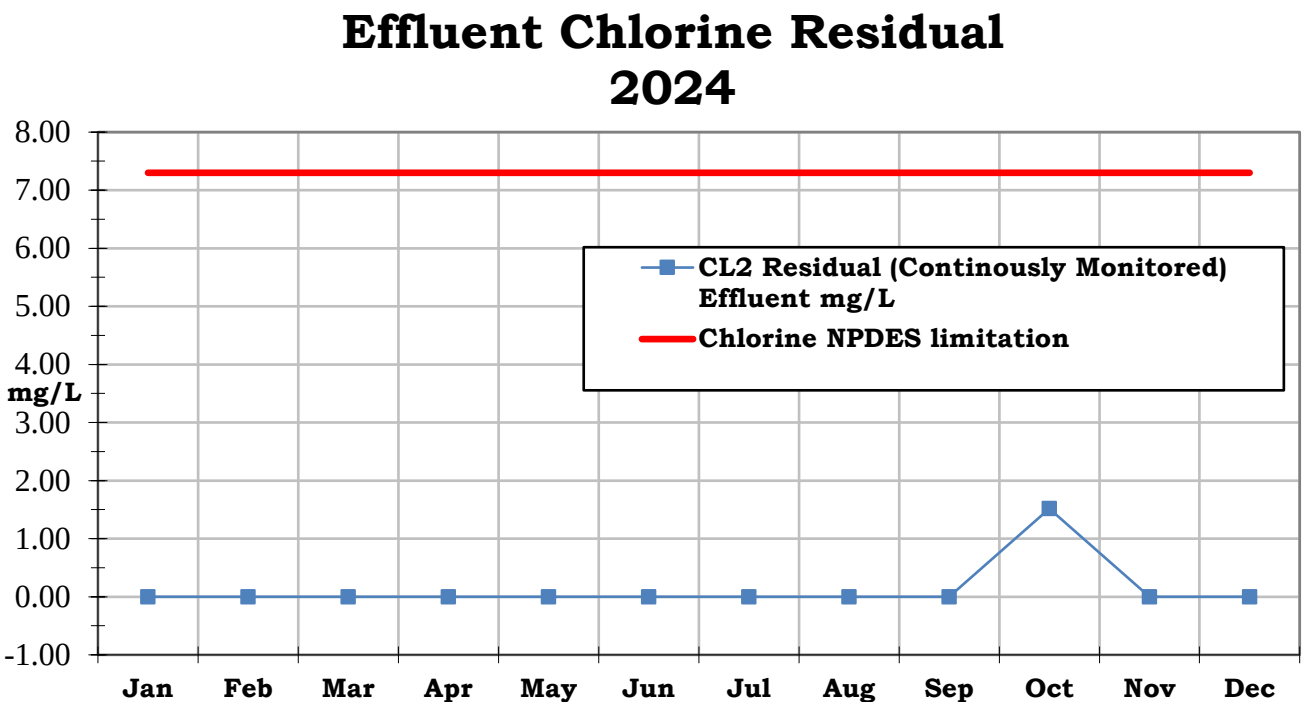
Graph 1



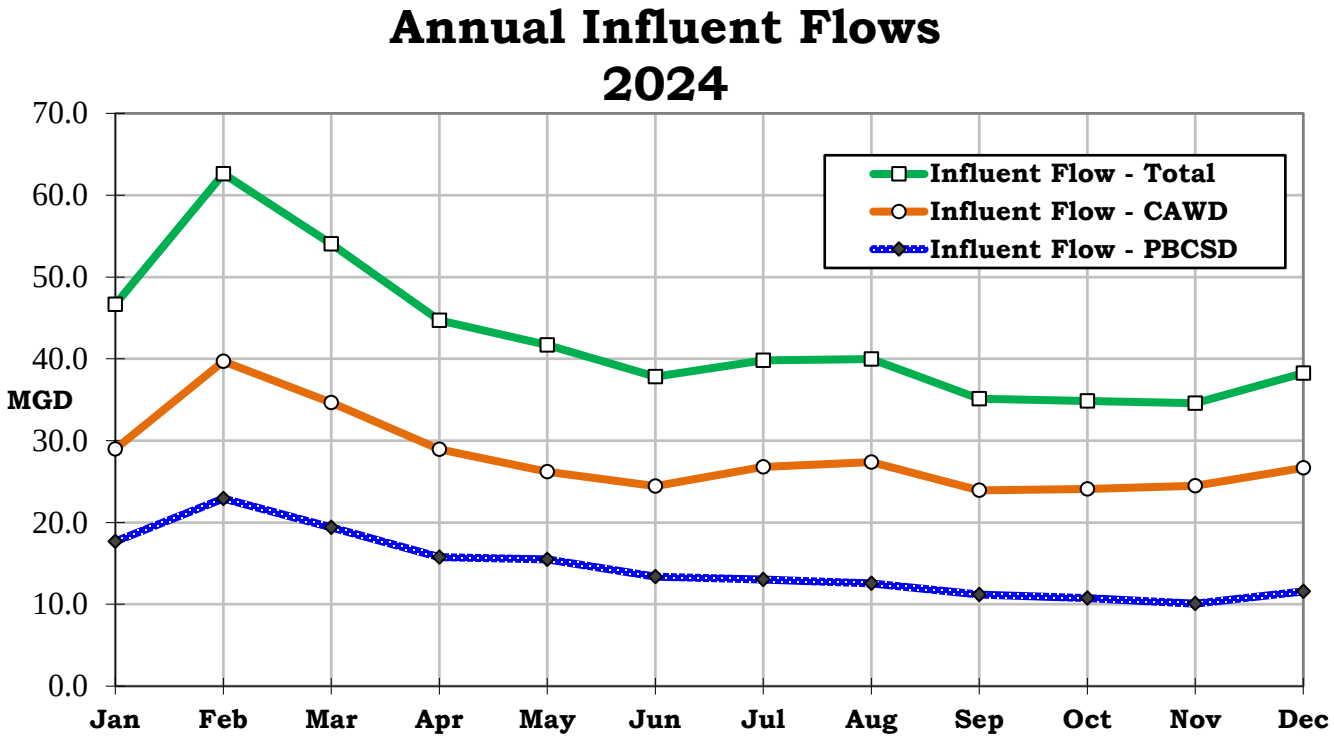
Graph 2



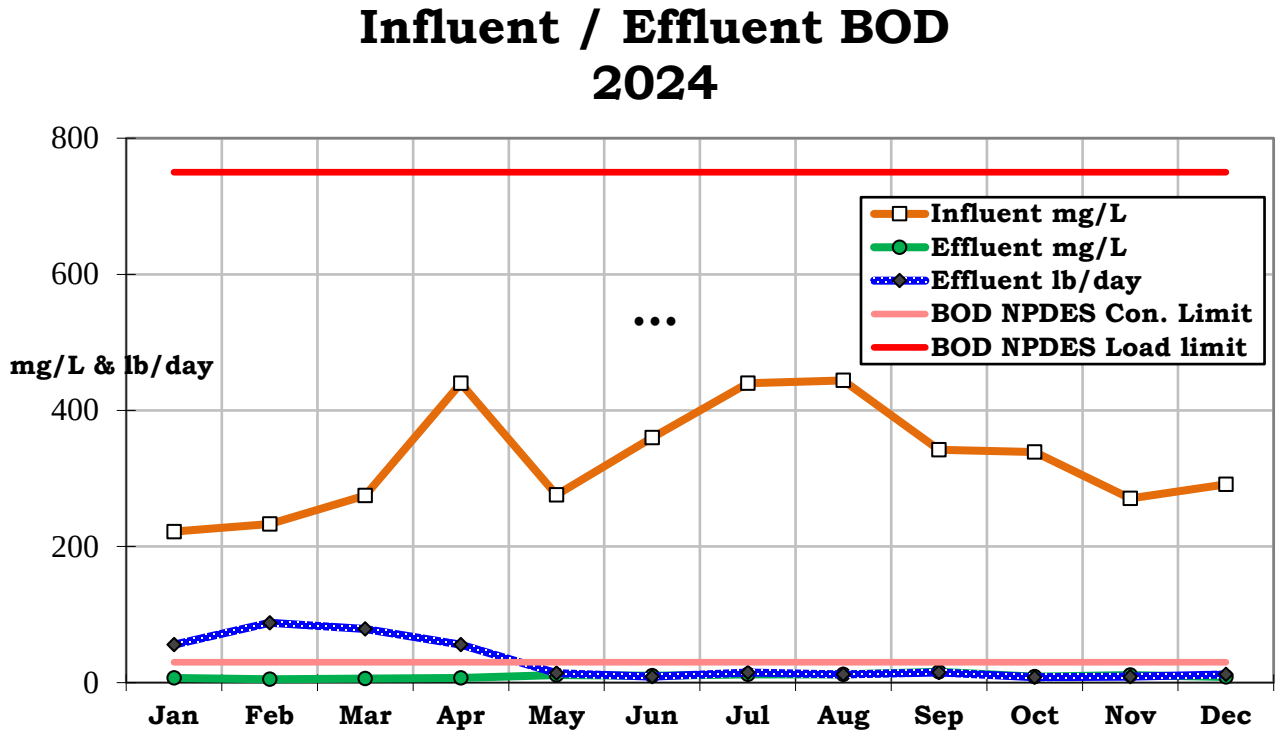
Graph 3



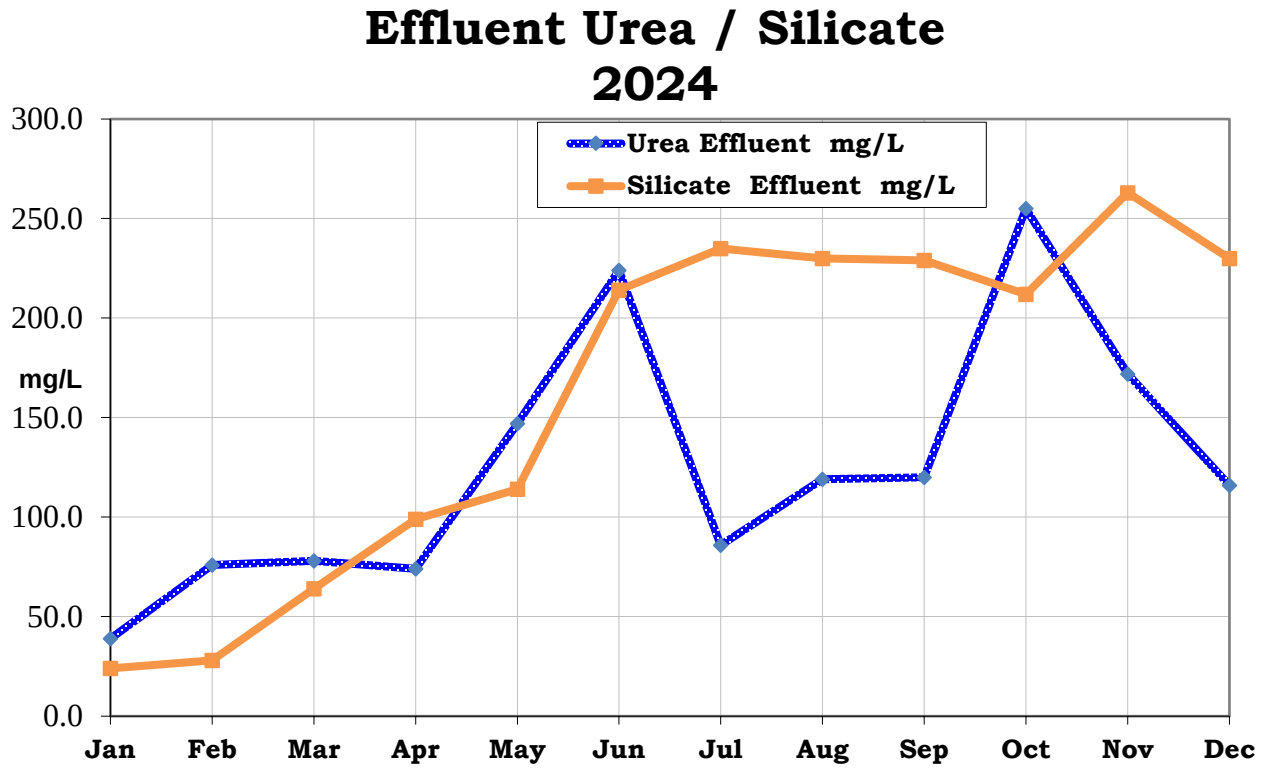
Graph 4



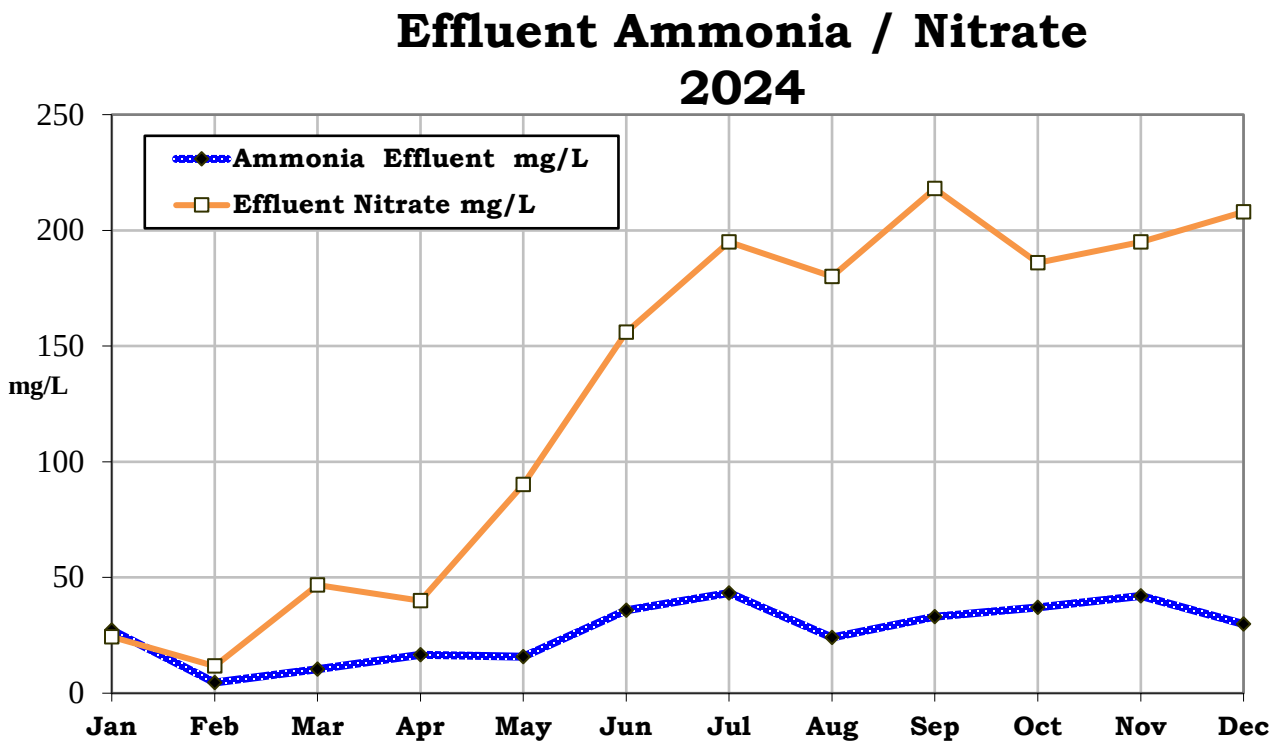
Graph 5



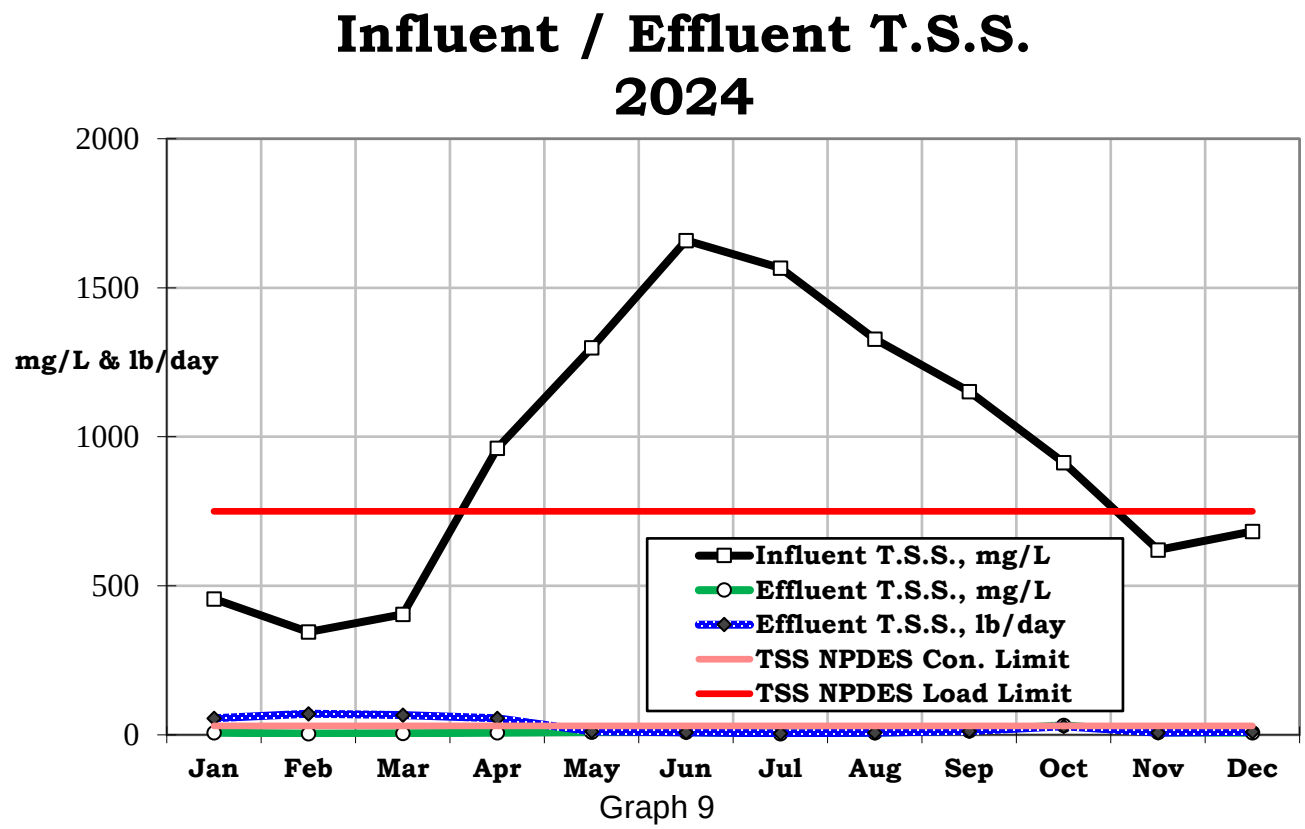
Graph 6



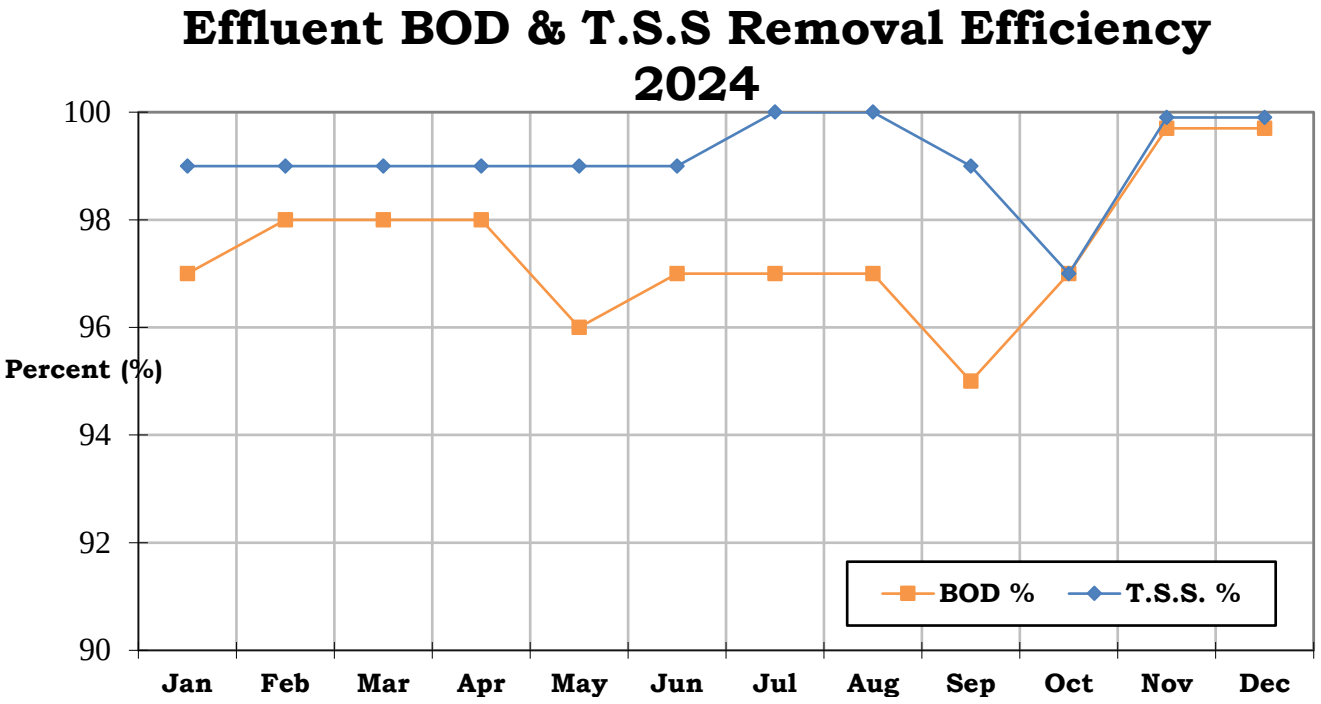
Graph 7



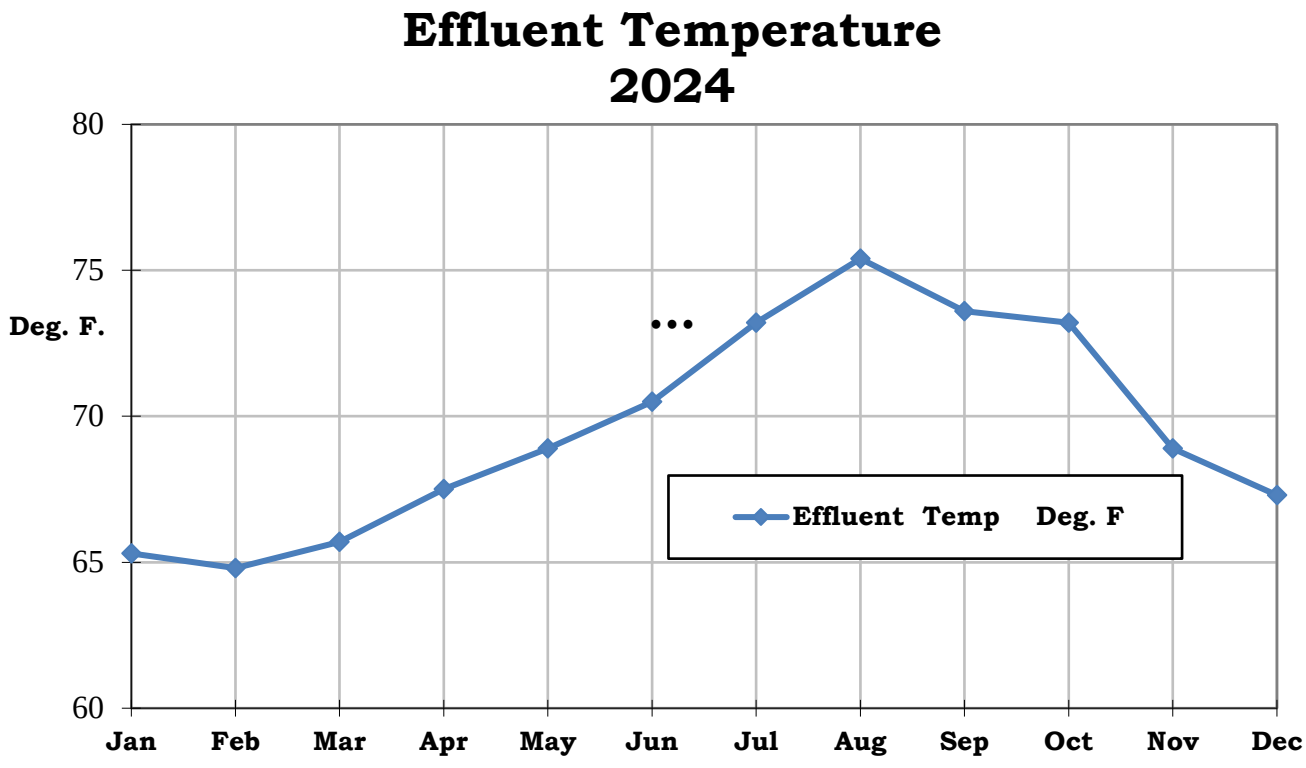
Graph 8



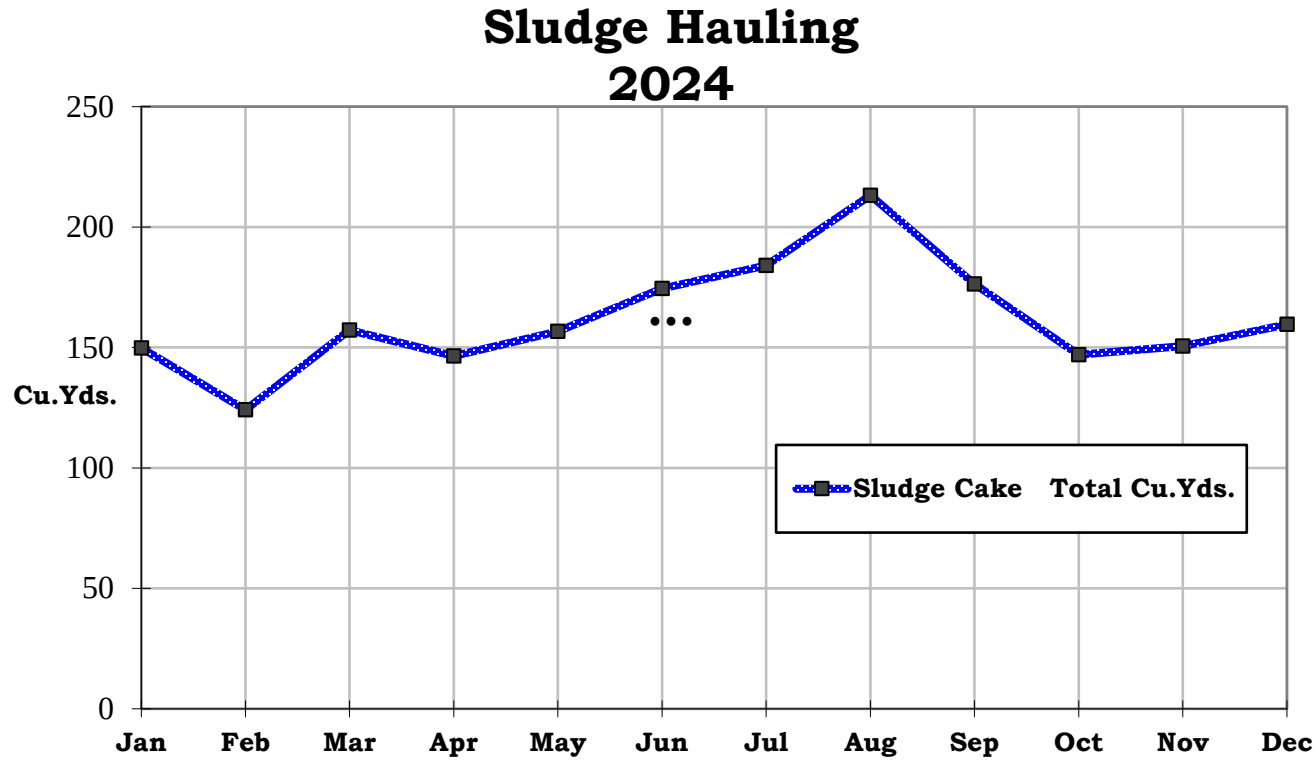
Graph 9



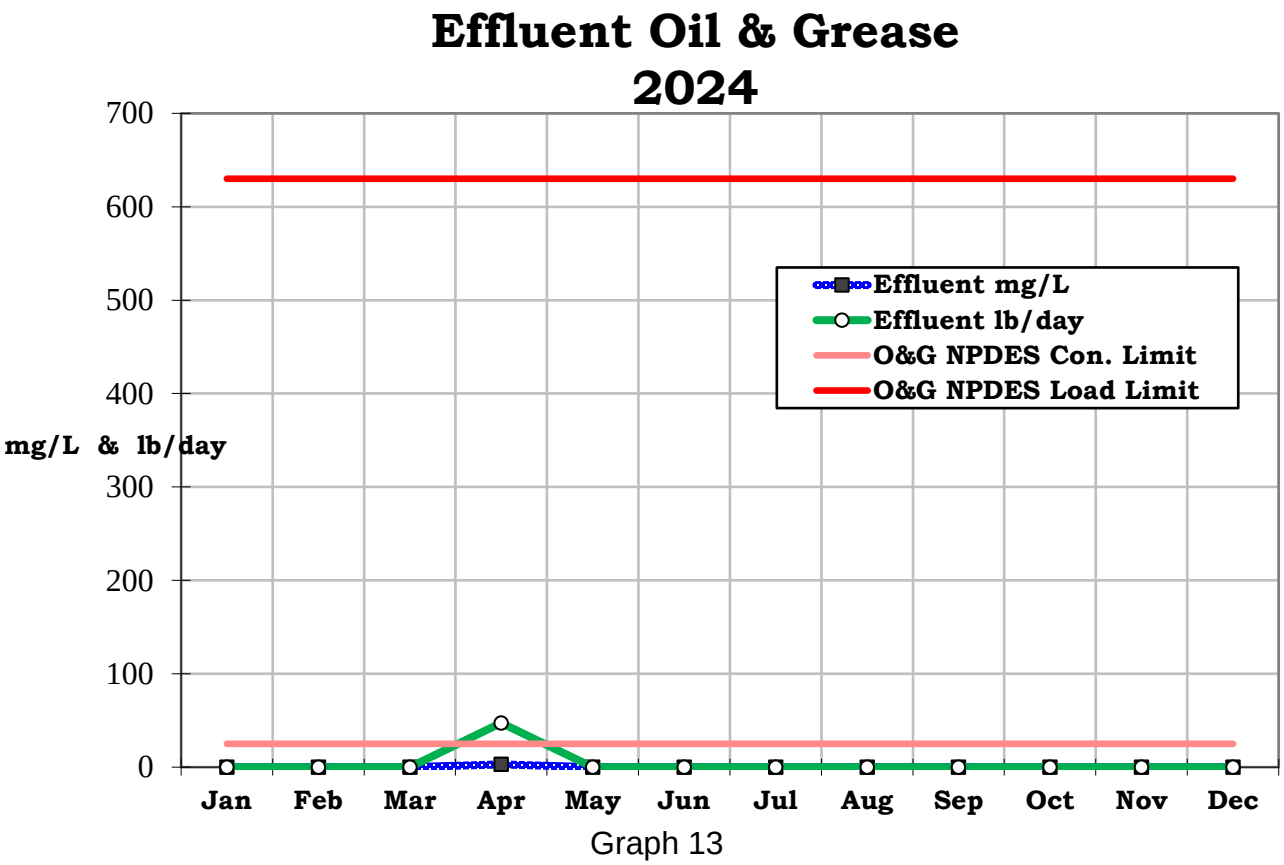
Graph 10



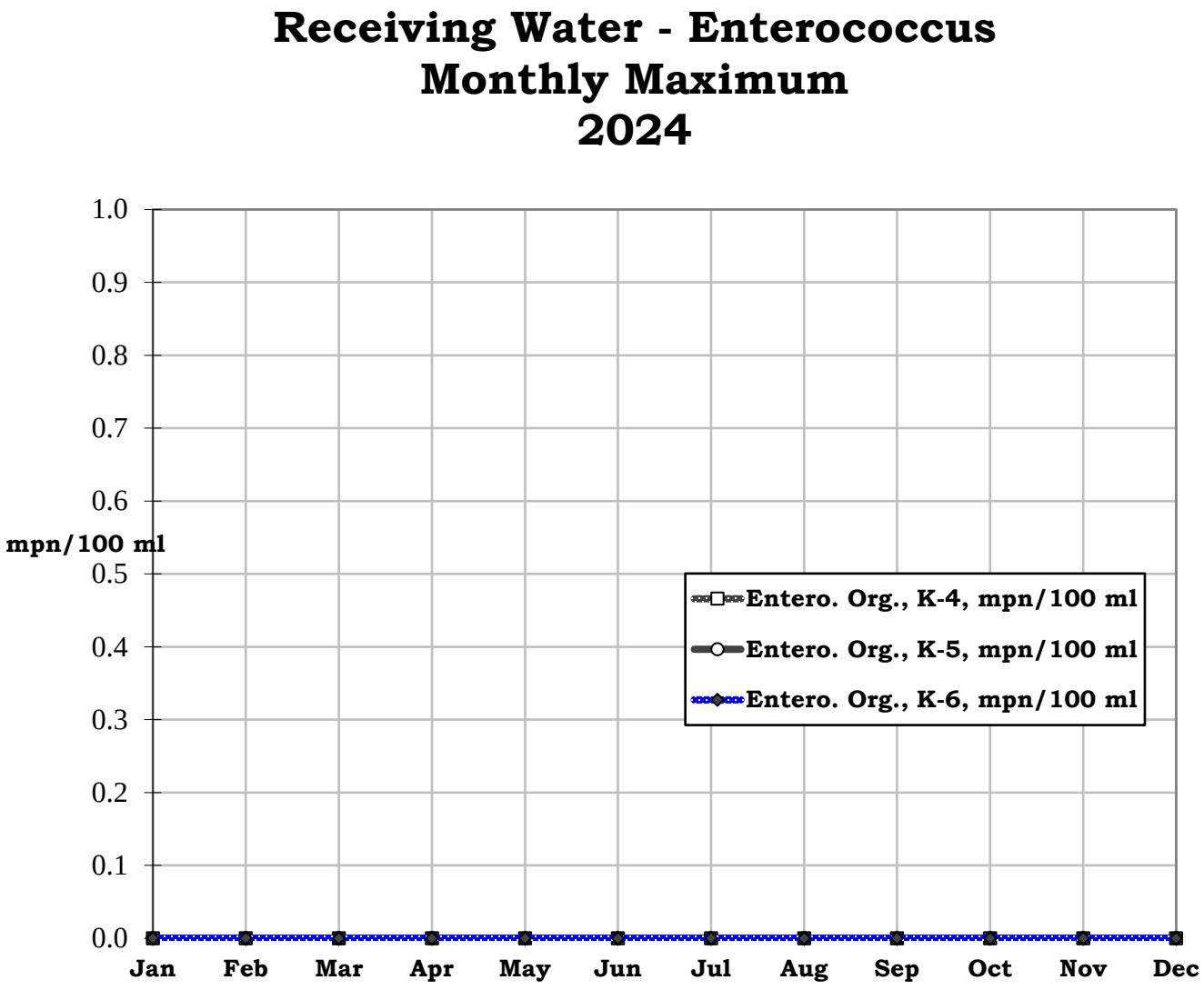
Graph 11



Graph 12

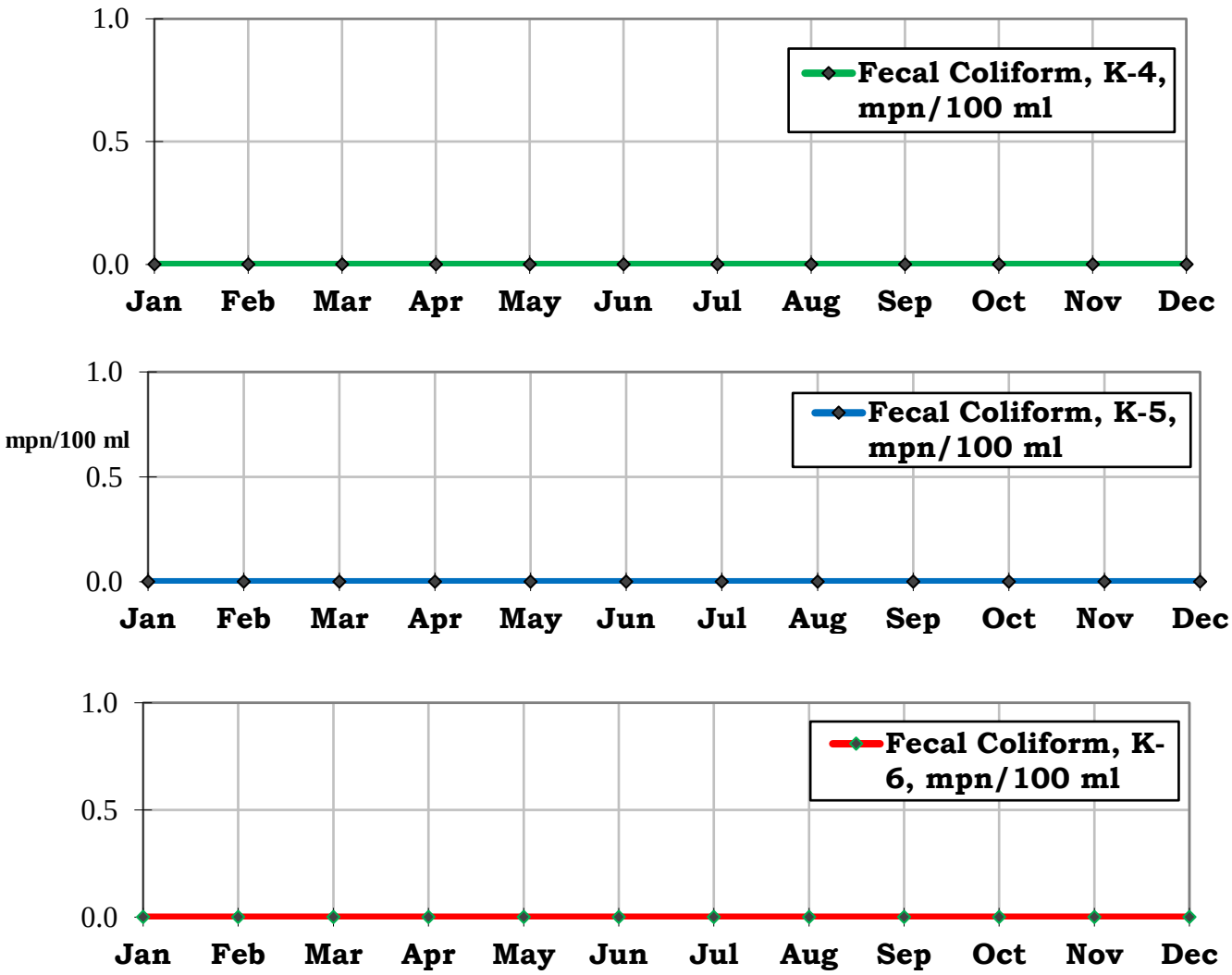


Graph 13

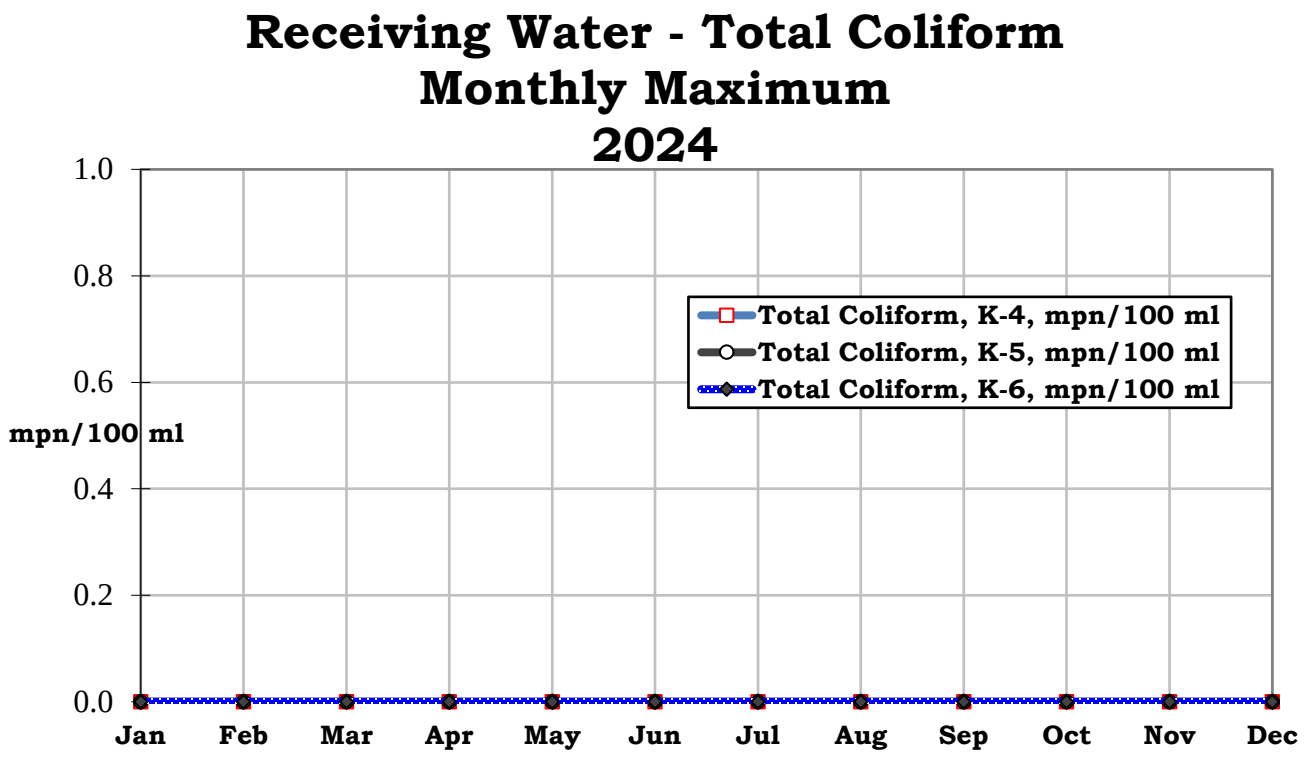

Receiving Water - Enterococcus
Monthly Maximum
2024
mpn/100 ml
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Entero. Org., K-4, mpn/100 ml
Entero. Org., K-5, mpn/100 ml
Entero. Org., K-6, mpn/100 ml

Graph 14

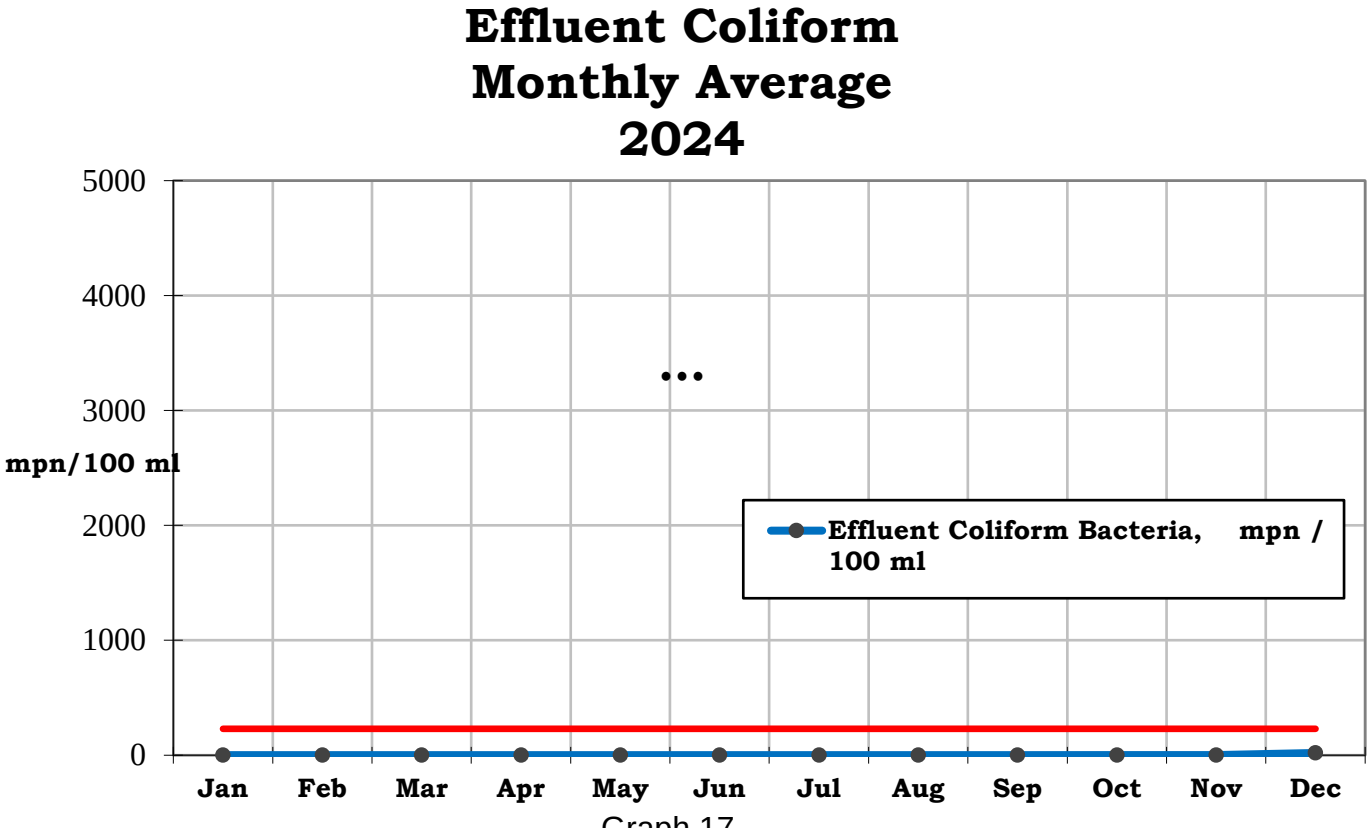
Receiving Water - Fecal Coliform
Monthly Maximum
2024



Graph 15



Graph16



Graph 17

Water Supply Data

Please see the attached Water Supply Data, Water quality report.

Section B: Compliance and Performance

- Treatment facility performance through percent removal of main pollutants.
  - BOD percent removal (2024 annual average) was 97.5%
  - TSS percent removal (2024 annual average) was 99.2%
- Discussion of the previous year's compliance record.
- Any nuisance conditions or system problems.
  - None at this time.

Carmel Area Wastewater District (CAWD) had six (6) incidents of noncompliance for the year 20243 for National Pollutant Discharge. The NPDES order No. R3-2014-0012 (B) Effluent Limitations- Discharge 001, Table 4 states, 1. "Total Suspended Solids (TSS) Maximum Daily of 90 mg/L" 2. "Total Suspended Solids (TSS) Average Weekly of 45 mg/L, and "Total Suspended Solids (TSS) Average Monthly of 30 mg/L for Carmel Area Wastewater District (CAWD).

CAWD experienced one (1) total violation for the month of September 2024.

1. One (1) exceedance of the Maximum Daily limit of 90 mg/L.
   a. September 30th the reported value was 109 mg/L.

CAWD experienced five (5) total violations for the month of October 2024.

1. Two (2) exceedances of the Maximum Daily limit of 90 mg/L.
   a. October 1st the reported value was 96 mg/L. from Monterey Bay Analytical Services.
   b. October 9th the reported value was 94 mg/L. from Monterey Bay Analytical Services.
2. Two (2) exceedances of the Maximum Average Weekly of Sunday through Saturday of 45 mg/L.
   a. The week of September 29th through October 5th the reported value was 68 mg/L. from Monterey Bay Analytical Services.
   b. The week of October 6th through October 12th the reported value was 57 mg/L. from Monterey Bay Analytical Services.
3. One (1) exceedance of the Monthly Average of 30 mg/L.
   a. The monthly average for TSS for the month of October 2024 was 32 mg/L.

Permit Violation Events:

Permit Violation Events:

Staff researched what could have caused the above listed exceedances of the Total Suspended Solids and concluded that two events happened together that caused the Permit Violations.

1. Starting in mid-September all analysis of permit constitutions were transferred to Monterey Bay Analytical Services (MBAS) while Carmel Area Wastewater District (CAWD) staff is working on maintaining the Environmental Laboratory Accreditation Program (ELAP) Accreditation. ELAP is requiring all environmental laboratories like CAWD to meet "The NELAC Institute" Laboratory Accreditation (TNI 2016) Standards which requires a major upgrade to data reporting and Quality Assurance/Quality Control documentation.

   Management decided to send permit required sampling out to a contact laboratory so CAWD's laboratory staff could concentrate their time on the TNI 2016 Standards.
   a. Normally, TSS samples would be analyzed the same day the sample was collected by CAWD's laboratory and operations staff. But currently with the samples being received by MBAS, the samples were placed in a refrigerator and held for 2 to 5 days before being analyzed.
   b. Legal hold times for TSS samples as outline by Standard Methods is 7 days before the sample deteriorates to the point of not being a representative sample for legal permit reporting.
   c. CAWD's effluent samples (EFF-001) during this time of the year are close to 100 percent Reverse Osmosis reject water which is highly concentrated in certain minerals, such as Calcium and Phosphorus which in time forms a precipitant which creates TSS. Other minerals also will tend to form precipitants as pH and Temperature change over time in the collected samples.
2. The second event started on September 26, 2024, when CAWD had the Parkson Corporation perform a filter rehabilitation on the Dyansand filters that are used for pretreatment of the secondary treated wastewater that is fed into the Microfiltration and Reverse Osmosis process (MF/RO) at the advance tertiary level.
   a. The Dyansand filters in conjunction with the addition of Cerium Chloride coagulant remove Phosphorus and suspended solids to improve the performance of the MF/RO processes.

b. Once the Dyansand filters and Cerium Chloride coagulant were shut down on September 26, 2024, the Phosphorus concentration increase in the RO reject water thus creating conditions to have larger amounts of precipitants come out of solution in the EFF-001 compliance samples.

Corrective Measures:

Staff contact MBAS and reviewed with CAWD's Laboratory staff the analytical results and requested that all permit required TSS samples be analyzed the same day when the samples are obtained.

The second corrective action occurred on October 18, when Parkson Corporation completed the refurbishment of the Dyansand filters as pretreatment to the MF/RO process and placed the units back on-line while starting the Cerium Chloride coagulant.

Laboratory data shows that once the sand filter pretreatment system and the Cerium Chloride coagulant were put back on-line on October 18, 2024, the TSS values were well within our permit limits.

For Facilities That Measure Groundwater

This Facility does not have requirements to perform groundwater measurements – Not applicable.

Section C: Flow Evaluation

2022	INF Max Monthly Daily Flow MGD	INF Monthly Flow Total MG
January	2.019	40.807
February	1.281	31.191
March	1.317	34.43
April	1.439	35.101
May	1.254	35.091
June	1.176	33.717
July	1.209	36.043
August	1.283	35.881
September	1.503	33.941
October	1.116	31.961
November	2.040	34.002
December	4.102	57.963
Total annual flow		446.36

Inf. Flow Data 1

2023	INF Max Monthly Daily Flow MGD	INF Monthly Flow Total MG
January	4.512	81.216
February	2.596	43.194
March	4.074	72.259
April	4.867	43.486
May	1.513	41.342
June	1.288	36.572
July	1.336	38.634
August	1.335	37.315
September	1.277	33.729
October	1.140	33.587
November	1.311	32.310
December	2.695	37.449
Total annual flow		440.128

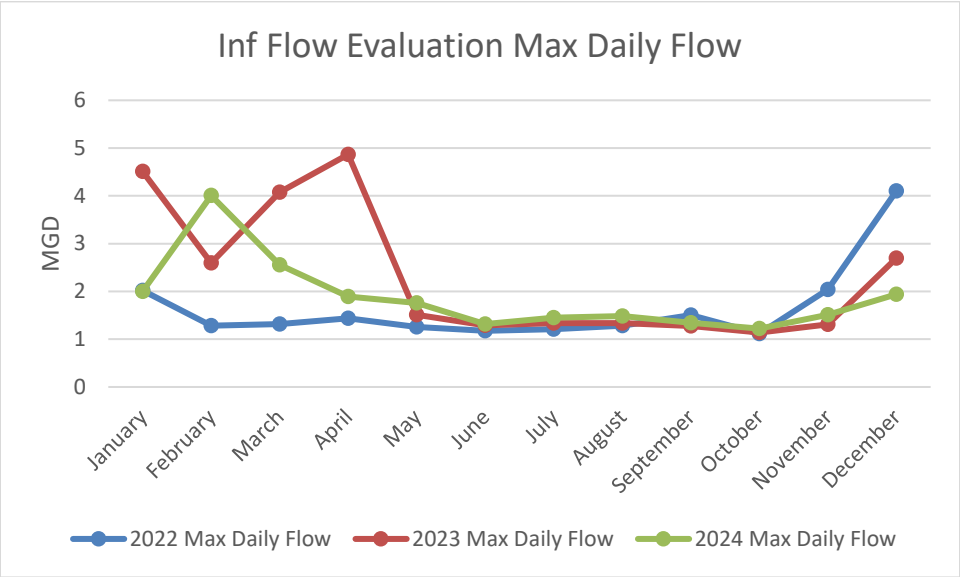
Inf. Flow Data 2

2024	INF Max Monthly Daily Flow MGD	INF Monthly Flow Total MG
January	2.001	**46.648**
February	4.006	**62.617**
March	2.554	**54.062**
April	1.895	**44.703**
May	1.758	**41.687**
June	1.320	**37.804**
July	1.448	**39.815**
August	1.485	**39.961**
September	1.345	**35.109**
October	1.222	**34.859**
November	1.510	**34.579**
December	1.940	**38.251**
Total annual flow		**510.095**

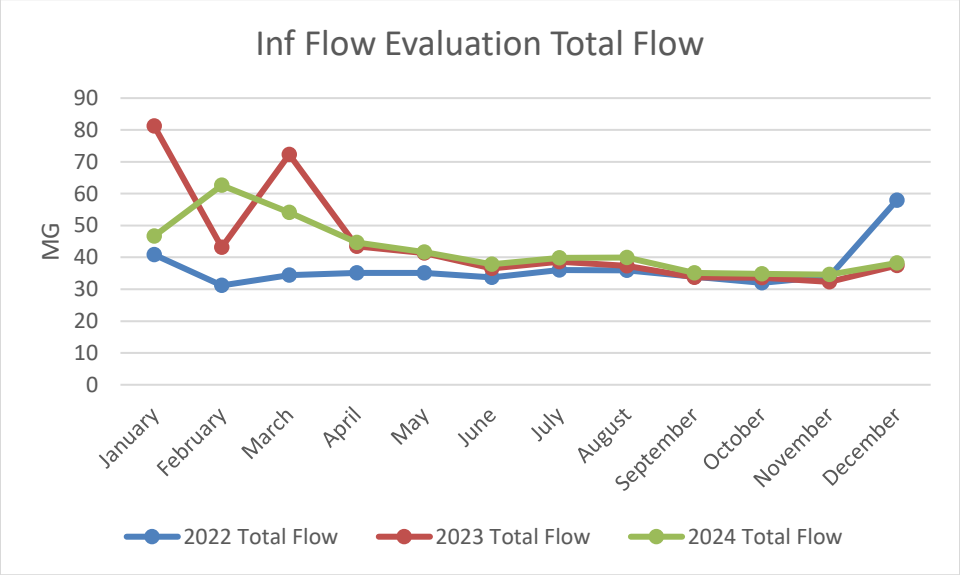
Inf. Flow Data 3

2022
Average Inf. monthly dry weather flow
34.258 MG
Average Inf. monthly wet weather flow
39.097 MG
2022
Average Inf. monthly dry weather flow
35.358 MG
Average Inf. monthly wet weather flow
53.158 MG
2024
Average Inf. monthly dry weather flow
37.022 MG
Average Inf. monthly wet weather flow
47.995 MG

* Order No. R3-2014-0012 defines dry weather June-Nov, wet weather Dec-May



Graph 18



Graph 19

	Monthly Flow Total Eff (MG)		
	2022	**2023**	**2024**
Jan	15.525	60.192	29.658
Feb	10.278	42.221	61.578
Mar	6.519	74.411	48.796
Apr	9.026	18.082	28.562
May	4.660	7.018	4.919
Jun	4.069	3.759	3.369
Jul	4.033	3.316	4.504
Aug	3.992	3.271	3.748
Sep	3.596	3.021	3.435
Oct	3.489	2.952	3.316
Nov	4.016	2.854	2.928
Dec	21.414	2.919	4.893

Eff Flow Evaluation 1

	Eff. Max Daily Flow Monthly (MGD)		
	2022	**2023**	**2024**
Jan	1.594	4.568	2.056
Feb	0.916	2.810	3.989
Mar	0.960	4.477	2.551
Apr	1.124	1.928	2.073
May	0.400	0.720	0.748
Jun	0.329	0.322	0.123
Jul	0.213	0.132	0.479
Aug	0.189	0.118	0.139
Sep	0.158	0.118	0.227
Oct	0.130	0.107	0.124
Nov	0.294	0.117	0.152
Dec	3.184	0.117	0.455

Eff Flow Evaluation 2

Annuals flow totals (MG)		
2022	2023	2024
90.617	224.016	199.706
Average dry weather flow (MGD)		
2022	2023	2024
0.127	0.105	0.118
Peak daily average-monthly wet weather flow (MGD)		
2022	2023	2024
0.791	1.295	1.093

Eff Totals, Avg Dry Weather Flow, and Peak Wet Weather Evaluation

2022	BOD Loading lbs/day	TSS Loading lbs/day
January	19	46
February	21	24
March	19	31
April	18	30
May	18	21
June	16	11
July	18	12
August	13	6
September	16	8
October	11	8
November	10	6
December	13	12

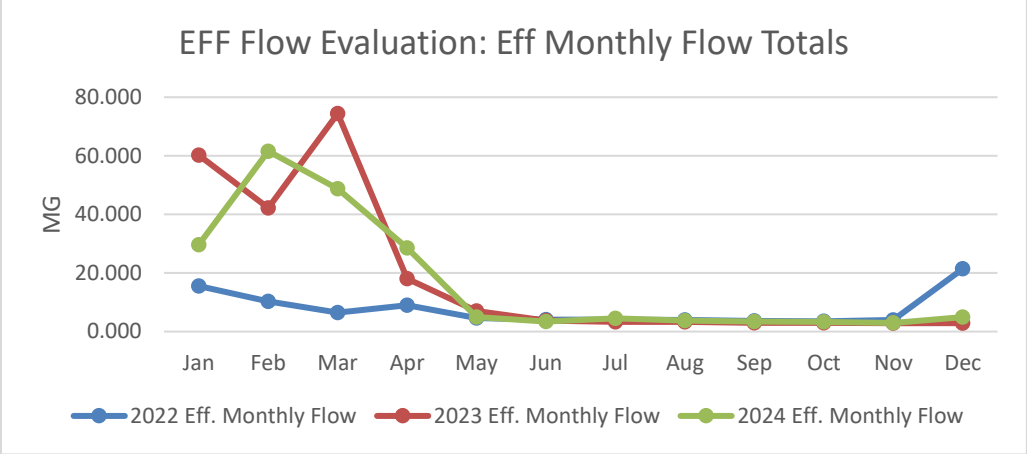
Eff Loading Data 1

2023	BOD Loading lbs/day	TSS Loading lbs/day
January	60	117
February	42	73
March	93	146
April	23	24
May	14	11
June	14	10
July	11	29
August	11	18
September	11	11
October	7	6
November	7	7
December	9	8

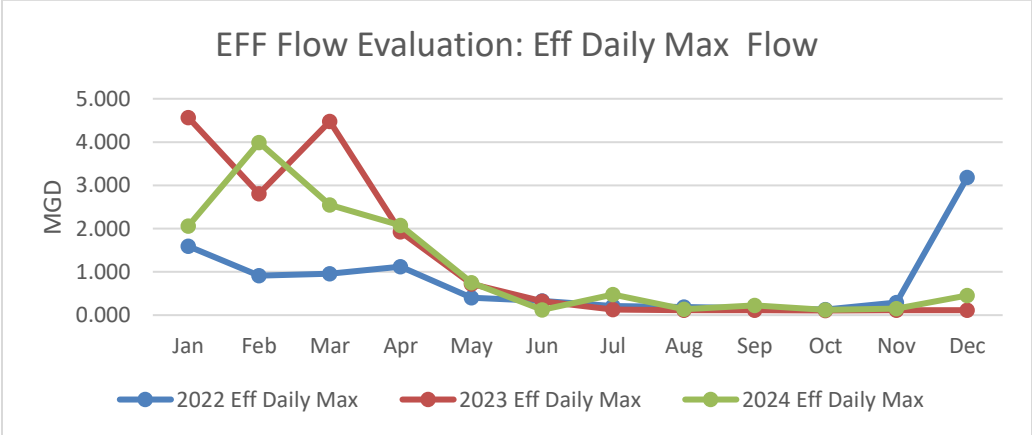
Eff. Loading Data 2

2024	BOD Loading lbs/day	TSS Loading lbs/day
January	56	56
February	88	71
March	79	66
April	56	56
May	14	12
June	9	8
July	15	5
August	12	7
September	15	13
October	8	29
November	9	7
December	12	11

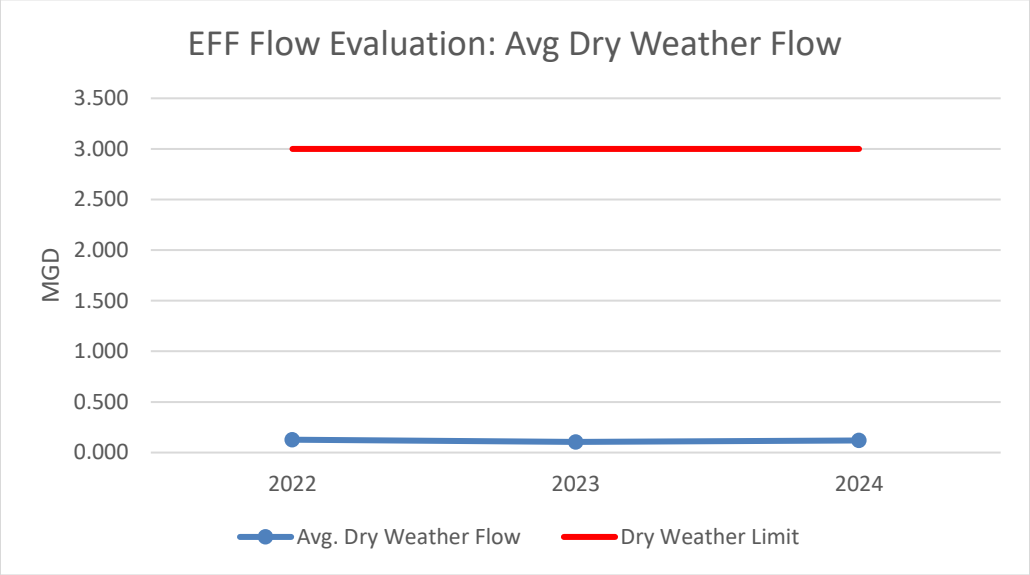
Effluent Loading Data 3



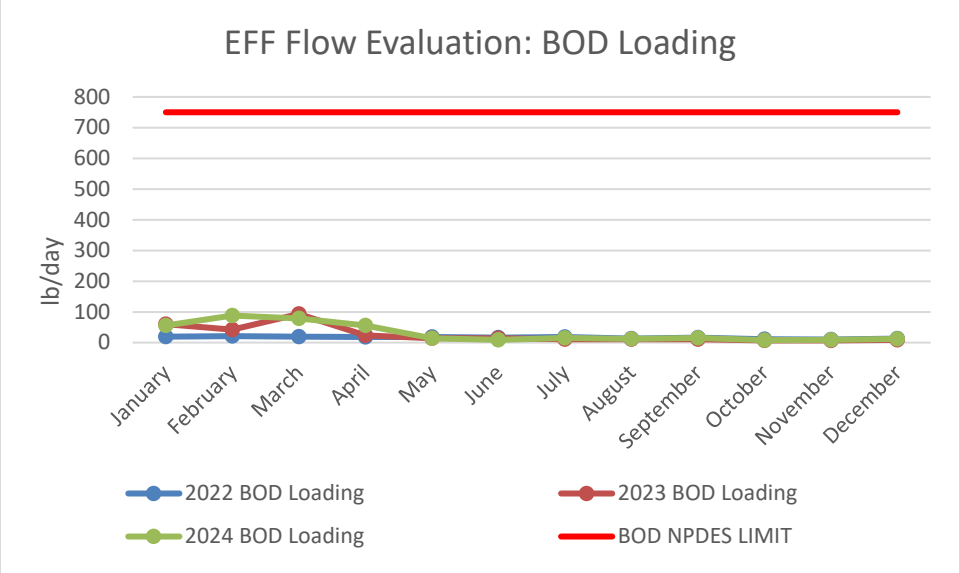
Graph 20



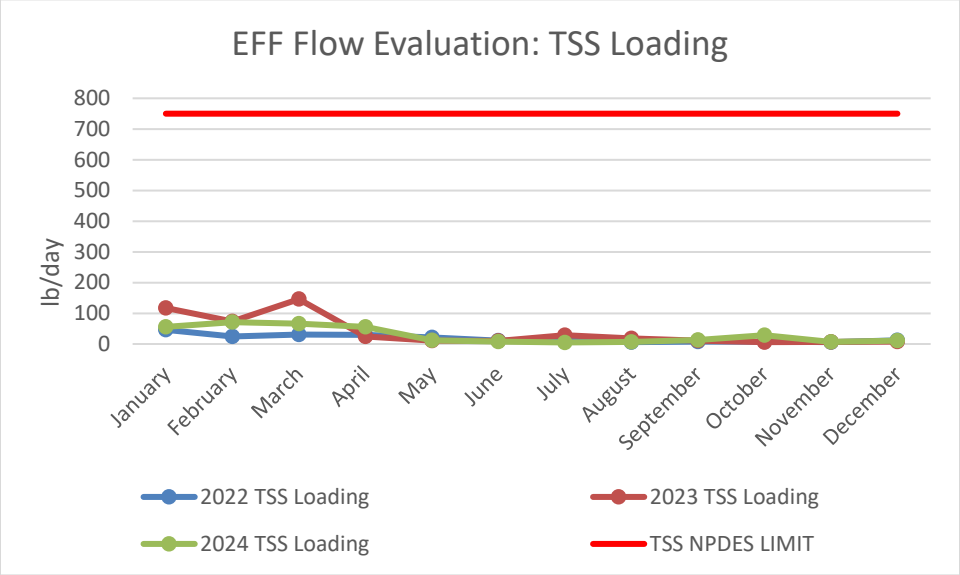
Graph 21



Graph 22



Graph 23



Graph 24

To date there are no capital improvement projects current or forecasts that would increase flows to the wastewater treatment plant which would cause the plant effluent flows to reach 80% of permitted capacity. Based on the three-year trends our evaluation indicates the wastewater treatment plant will not reach the permitted capacity in the next four years. The wastewater treatment plant is designed for effluent flows of 4.0 MGD and permitted for 3 MGD (monthly average dry weather flow).

Section D: Operator Certification

Name	Operations Position	SWRCB Certification Level Maintained	License No.
Edward Waggoner	Operations Superintendent	V	4011
Kevin Young	Operations Supervisor	V	9660
Christian Schmidt	Senior Operator	III	28643
Chris Dixon	Senior Operator	III	40697
Michael Hooks	Senior Operator	III	41183
Michael Garrison	Operator II	III	10674
Charles DayEngel	Operator II	II	41894
Rommel Lopez	Operator I	I	78920

Section E: Operation and Maintenance

The Carmel Area Wastewater District's Operation 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 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.

- Standard Provisions A. 27

Contingency plans and equipment are constantly being reviewed and upgraded as staff recognize deficiencies in Standard Operating Procedures or new Federal or State Regulations that deem further additions to the current contingency plans.

CAWD currently has alternative power sources, standby-by generators, retention capacity, emergency operating procedures to protect against power outages, fire, earthquakes, flooding, and tsunami conditions.

An example is alternative power sources is a second standby generator to provide power to the treatment facility in case of a power outage. The second generator automatically runs in tandem with the main standby generator until the second generator verifies the main generator is providing power to the treatment facility. At that point the second standby generator will go into standby mode.

Section F: Laboratory Information

1 Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940
CA ELAP # 2385

2 Aquatic Bioassay & Consulting Laboratories, Inc.
29 North Olive Street
Ventura, CA 93001
CA ELAP# 1907

3 Carmel Area Wastewater District (CAWD)
PO Box 221842
Carmel, CA 93923
(831) 257-0432 -Phone
(831) 624-1478 -Fax
CA ELAP # 1804

4 Fruit Growers Laboratories (FGL)
853 Corporation St
San Luis Obispo, CA 93401
CA ELAP # 1573

Section G: Sludge Management

- Discussion of any solids waste generated at CAWD's Treatment Facility
    - There are three main types of solid waste generated at the Carmel Area Wastewater District's Treatment Facility.
        - Rags, rocks, and other large solids from the influent flow
        - Grit (i.e., sand, coffee grounds, eggshells, bone chips, and possible large organic particles such as food waste from the influent flow.
        - Class B Biosolids from anaerobic digestion.
- Technologies/Process prior to disposal of solid waste.
    - Rags: The automatic bar screen removes rags and other large solids from the raw sewage and puts it into a compactor that washes and dry is the material before being stored in a hopper which stores the screenings until they are removed and disposed of at the landfill.
    - Grit: is removed from the raw sewage by means of settling in an agitated tank. The agitation keeps the lighter organic solids in suspension and allows the heavier solids to drop out and be removed by pumping the contents from the bottom of the tank into a grit classifier and washer. The grit washer further separates the heavier grit particles from the lighter organic matter and the grit is then disposed of into a bin for disposal at the landfill.
    - Class B Biosolids: The solids treatment process takes sludge and other solids and places them in an anaerobic digester where the sludge is kept at about 95 degrees and anaerobic bacteria are utilized to stabilize the sludge and remove pathogens. The detention time in the anaerobic digesters is maintained at around 20 days or more.

      A byproduct of the anaerobic digestion process is methane. CAWD uses the methane produced to generate electricity using two microturbines. The microturbines can produce about 15% of the power demand required by the wastewater treatment plant (not including the Reclamation Facility).

      After the solids have been stabilized sufficiently by the digestion process the solids are held in a holding tank before they are sent to the dewatering equipment.

    - Dewatering and Land Application

      Dewatering is a physical/mechanical process used to reduce the moisture in digested sludge (biosolids). There are several reasons for dewatering sludge. In general, it is more economical to dispose of the dewatered sludge than it is to

pump or haul liquid sludge to disposal sites because by reducing the moisture content, the sludge volume and weight are reduced.
The CAWD plant uses a belt filter press or a screw press to dewater the digested sludge. This equipment presses out the moisture from the sludge to create a dry material that is essentially dirt that can be land applied.

- Ultimate Destination of Solid Waste Material
    - Rag and Grit Material Destination
        - Re Gen (Monterey Regional Waste Management District Landfill) at 14201 Del Monte Blvd, Salinas, CA 93908
    - Class B Biosolids Destination
        - Liberty Composting, Inc.
          1241 Holloway Road
          Po Box 5
          Lost Hills, California 93249-0005

	Sludge Cake
Month	Total Cu.Yds.
Jan	149.8
Feb	124.1
Mar	157.3
Apr	146.5
May	156.7
Jun	174.4
Jul	184.1
Aug	213.2
Sep	176.3
Oct	147.0
Nov	150.6
Dec	159.6

Sludge Quantity

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: January 2024 - March 2024
Sample Date: 11-Jan-24

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application: Pollutant Concentrations (40 CFR 503.13) (monthly AVG)	EPA 503 pollution limits for land application: Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Antimony	ND		
Arsenic	ND	41 mg/Kg	75 mg/Kg
Barium	83.7		
Beryllium	1.86		
Boron	12.8		
Cadmium	0.168	39 mg/Kg	85 mg/Kg
Chromium	3.78		
Cobalt	ND		
Copper	184	1500 mg/Kg	4300 mg/kg
Lead	16.1	300 mg/Kg	840 mg/kg
Molybdenum	9.70		75 mg\kg
Nickel	3.23	420 Mg/Kg	420 mg/Kg
Phosphorus	11200		
Selenium	2.89	100 mg/Kg	100 mg/Kg
Silver	ND		
Thallium	ND		
Vanadium	2.45		
Zinc	486.0	2800 mg/Kg	7500 mg/Kg
Ammonia Nitrogen	1010		
Cyanide, Total	ND		
Nitrate Nitrogen	0.7		
Nitrogen, Total Kjeldahl	10300		
pH	7.42		
% Solids	21.9%		
Mercury	1.3	17 mg/Kg	57 mg/Kg
Grease/Oil	2200		
Hex Chromium	0.50		

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: Edward Waggoner
Telephone Number: (831) 624-1249
Date: 1-24-2025

Biosolids Data 1st Quarter

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: April 2024 - June 2024
Sample Date:

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application: Pollutant Concentrations (40 CFR 503.13) (monthly AVG)	EPA 503 pollution limits for land application: Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Antimony	ND		
Arsenic	4.6	41 mg/Kg	75 mg/Kg
Barium	70.0		
Beryllium	ND		
Boron	12.3		
Cadmium	0.7	39 mg/Kg	85 mg/Kg
Chromium	5.9		
Cobalt	ND		
Copper	211.0	1500 mg/Kg	4300 mg/kg
Lead	6.1	300 mg/Kg	840 mg/kg
Molybdenum	4.38		75 mg\kg
Nickel	4.48	420 Mg/Kg	420 mg/Kg
Phosphorus	4910		
Selenium	ND	100 mg/Kg	100 mg/Kg
Silver	ND		
Thallium	ND		
Vanadium	5.44		
Zinc	348	2800 mg/Kg	7500 mg/Kg
Ammonia Nitrogen	1350.00		
Cyanide, Total	1.09		
Nitrate Nitrogen	ND		
Nitrogen, Total Kjeldahl	11200		
pH	7.31		
% Solids	26.30		
Mercury	0.5	17 mg/Kg	57 mg/Kg
Grease/Oil	3200		
Hex Chromium	ND		

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: Edward Waggoner
Telephone Number: (831) 624-1249
Date: 1-24-2025

Biosolids Data 2nd Quarter

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: July 2024 - September 2024
Sample Date:

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application: Pollutant Concentrations (40 CFR 503.13) (monthly AVG)	EPA 503 pollution limits for land application: Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Antimony	ND		
Arsenic	71.5	41 mg/Kg	75 mg/Kg
Barium	65.7		
Beryllium	0.27		
Boron	8.47		
Cadmium	0.47	39 mg/Kg	85 mg/Kg
Chromium	4.02		
Cobalt	2.05		
Copper	172	1500 mg/Kg	4300 mg/kg
Lead	9.41	300 mg/Kg	840 mg/kg
Molybdenum	5.97		75 mg\kg
Nickel	3.30	420 Mg/Kg	420 mg/Kg
Phosphorus	11200		
Selenium	ND	100 mg/Kg	100 mg/Kg
Silver	ND		
Thallium	ND		
Vanadium	2.43		
Zinc	302	2800 mg/Kg	7500 mg/Kg
Ammonia Nitrogen	1330		
Cyanide, Total	ND		
Nitrate Nitrogen	0.26		
Nitrogen, Total Kjeldahl	7160		
pH	6.67		
% Solids	20.8%		
Mercury	0.46	17 mg/Kg	57 mg/Kg
Grease/Oil	6100		
Hex Chromium	ND		

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: Edward L Waggoner
Telephone Number: (831) 624-1249
Date: 1-24-2025

Biosolids Data 3rd Quarter

CARMEL AREA WASTEWATER DISTRICT

Annual Biosolids Monitoring Report

Period: October 2024 - December 2024
Sample Date:

Name POLLUTANTS	Concentration (mg/kg) Dry Weight unless indicated	EPA 503 pollution limits for land application: Pollutant Concentrations (40 CFR 503.13) (monthly AVG)	EPA 503 pollution limits for land application: Ceiling Concentrations (40 CFR 503.13) (daily maximum)
Antimony	ND		
Arsenic	36.6	41 mg/Kg	75 mg/Kg
Barium	62.5		
Beryllium	ND		
Boron	6.51		
Cadmium	0.427	39 mg/Kg	85 mg/Kg
Chromium	2.32		
Cobalt	0.513		
Copper	168	1500 mg/Kg	4300 mg/kg
Lead	6.37	300 mg/Kg	840 mg/kg
Molybdenum	4.72		75 mg\kg
Nickel	2.87	420 Mg/Kg	420 mg/Kg
Phosphorus	8,940		
Selenium	3.09	100 mg/Kg	100 mg/Kg
Silver	ND		
Thallium	ND		
Vanadium	0.986		
Zinc	327	2800 mg/Kg	7500 mg/Kg
Ammonia Nitrogen	1110		
Cyanide, Total	3.26		
Nitrate Nitrogen	ND		
Nitrogen, Total Kjeldahl	10,700		
pH	6.8		
% Solids	19.9%		
Mercury	0.18	17 mg/Kg	57 mg/Kg
Grease/Oil	4200		
Hex Chromium	ND		

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: Edward Waggoner
Telephone Number: (831) 624-1249
Date: 1-24-2025

Biosolids Data 4th Quarter

Month	Detention Time (days)	Temperature (F)	Volatile Solids Reduction (%)
Jan	33	100.3	69%
Feb	34	99.5	65%
Mar	31	96.1	61%
Apr	32	100.4	71%
May	33	100.5	70%
Jun	27	101.3	62%
Jul	28	100.9	67%
Aug	27	102.4	63%
Sept	29	96.4	46%
Oct	36	102.6	65%
Nov	34	100.7	68%
Dec	35	98.6	69%

Biosolids Data Class B Requirements

Section H: Pretreatment

In 2024 CAWD completed 70 inspections of food service establishments. CAWD also updated its administrative penalties ordinance to enhance enforcement provisions for illegal discharges. The District maintains a registry of commercial dischargers and conducts influent sampling as needed.

Section I: Salt and Nutrient Management Plan

This facility does not need a salt and nutrient management plan. – Not Applicable

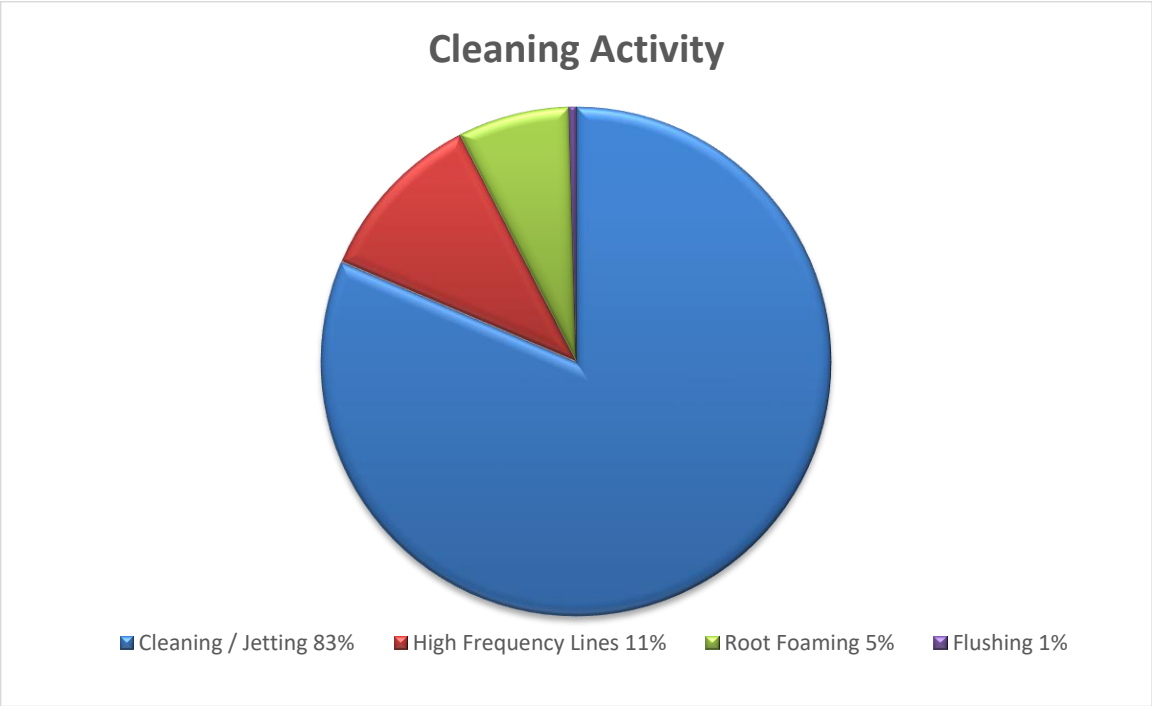
Section J: Collection System Management Plan

Carmel Area Wastewater District
Collections Annual Report For 2024

This report provides an overall summary of system wide cleaning and Closed Caption Television Viewing (CCTV) activities, construction, and Sewer Spill information for the year 2024.

Cleaning Activity: The collection crew maintains 408,581 feet of gravity sewer lines and 21,600 feet of force mains in the District. During 2024, staff cleaned the entire system in a little over 8 months. The cleaning methods used were hydro cleaning, flushing and root foaming.

Activity	**Feet Cleaned**
Cleaning - Jetting	364,159 ft.
High Frequency Lines	49,328 ft.
Root Foaming	31,792 ft.
Flushing	1,923 ft.
Total	**447,202 ft.**



Maintenance Activity: Collection crews responded to 41 service calls, with private lateral backups attributing to the majority of calls. The remaining complaint calls were due to odor, pump station related problems, and rattling manholes. There were 2,089 Underground Service Alerts calls requesting sewer locations to be marked. Collection crews completed8,934 feet of sewer line CCTV inspections.

The District's root foaming program treated 31,792 feet of problematic lines with roots. This program is an additional tool in our Collections maintenance toolbox. The treatment is on a three-year rotation of chosen line segments.

Construction Activity

Spot Repair Project:

- In 2024, CAWD worked with multiple contractors to complete 11 spot repairs within the District's system. Each repair was bid on by contractors and was within the GM signing authority. All spot repairs were completed by 12/31/2024.

Other Notable Activity:

In 2019, a new ordinance was passed that required the Private Sewer Lateral (PSL) to be inspected and repaired as needed at the sale of the property, a remodel over $50,000.00 USD, excessive spills, or a violation of the ordinance. (Ordinance 2019-01)

Year	PSL Compliance Certificate issued
2019	105
2020	335
2021	300
2022	261
2023	197
2024	147
Total PSL's Issued	1345

This year there were 160 lateral permit inspections performed and 147 PSL certificate of compliance certificates issued in 2024. Since the adoption of Ordinance 2019-01 the District has inspected and issued 1,345 Private Sewer Lateral Certificate of Compliance, which represents 19% of the Districts connections inspected.

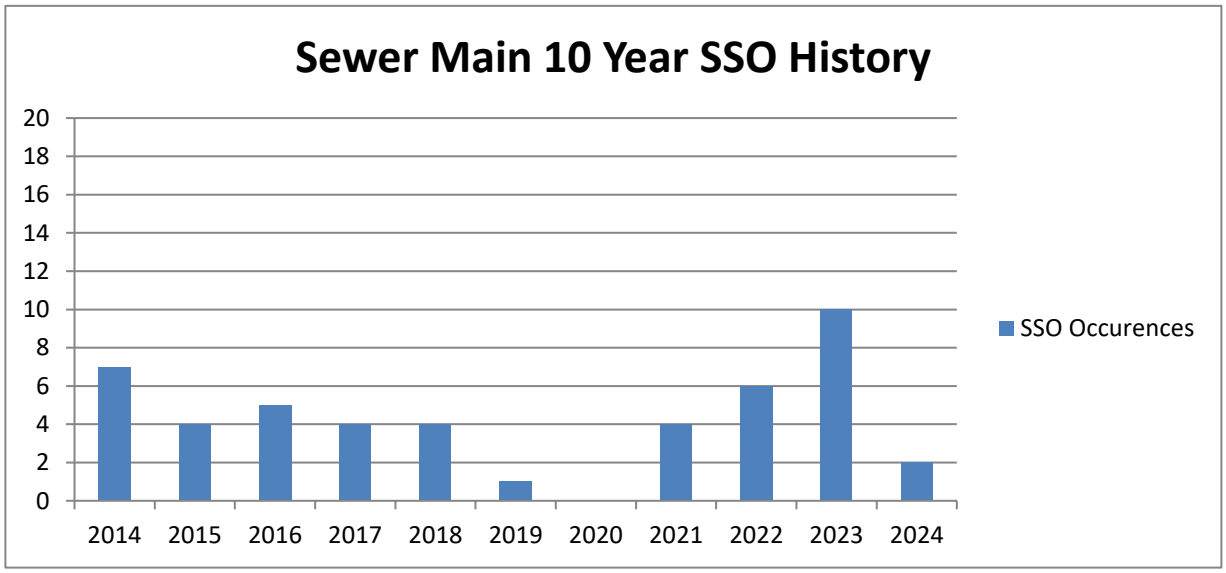
The Collections Department attended all the required safety training and attended both the California Water Environmental Association (CWEA) annual conference and the California Sanitation Risk Management Authority (CSRMA) Sewer Summit online. In the Spring and Fall of 2024, the Collections staff cleaned the storm drain interceptors and catchment ponds for the city of Carmel- by- the-Sea.

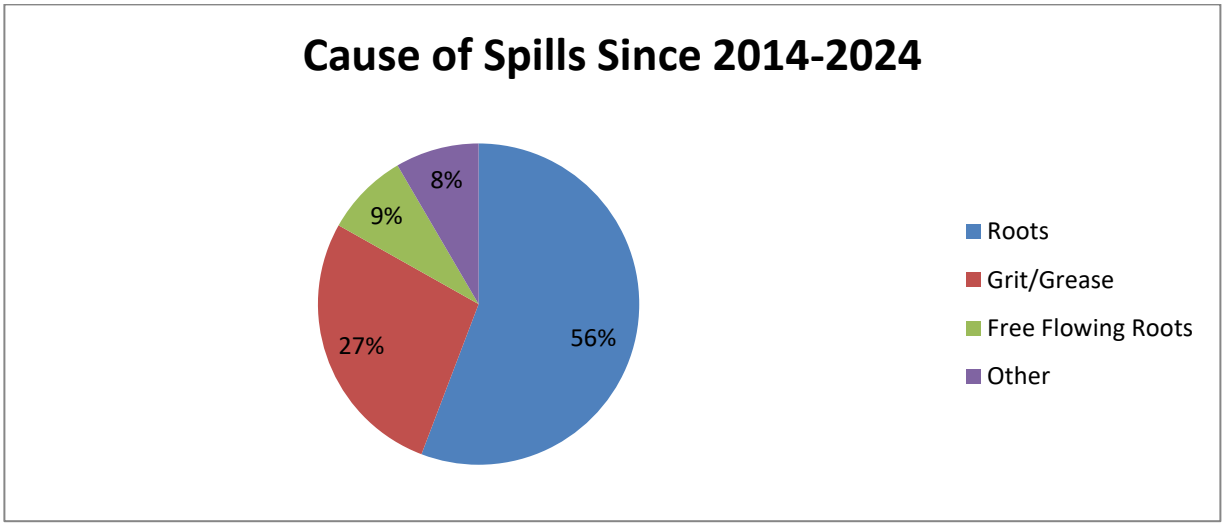
Sanitary Sewer Overflow (SSO) Summary:

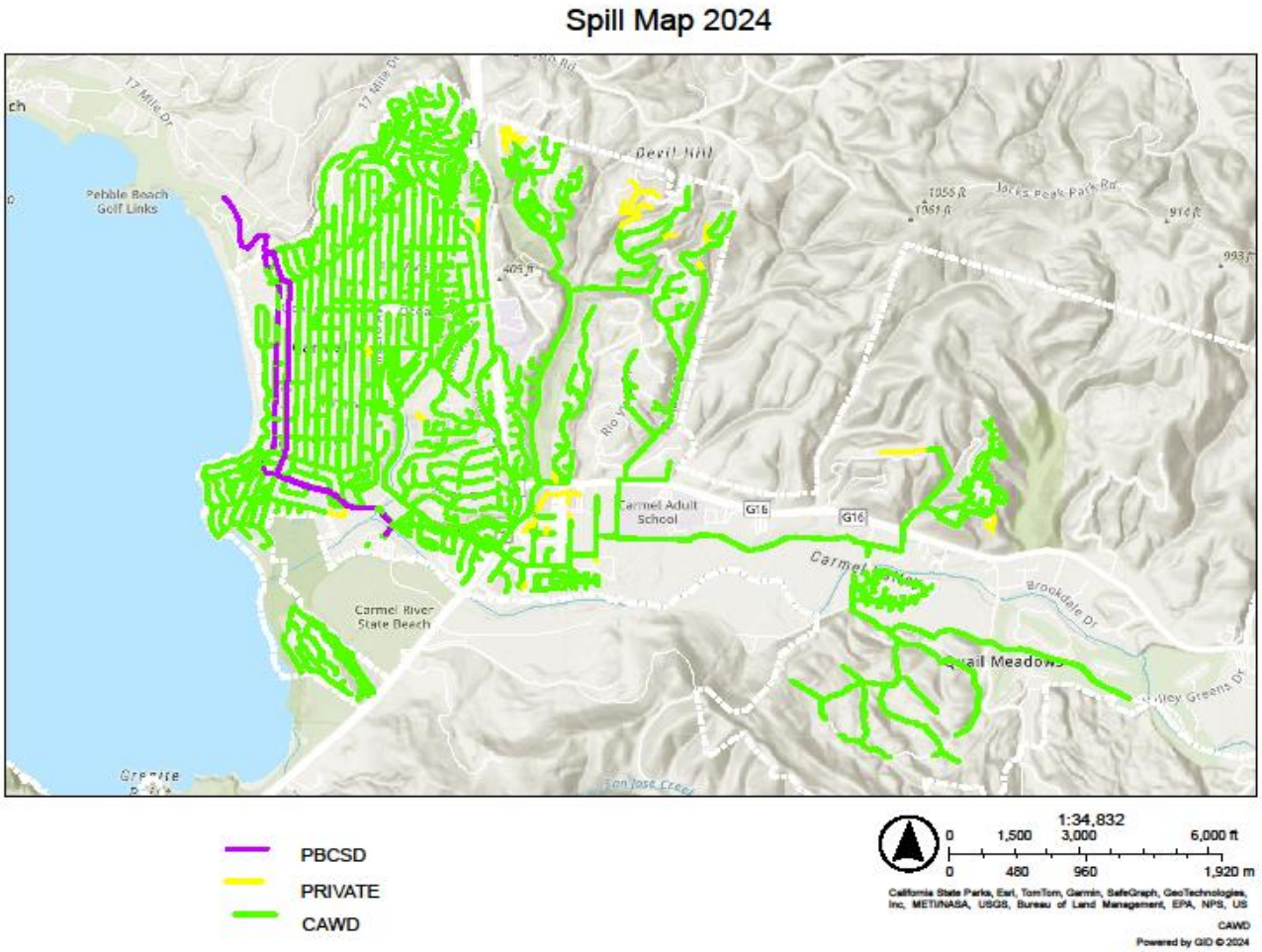
DATE	SSO #	SPILL LOCATION	GALLONS SPILLED	GALLONS RECOVERED	CAUSE OF SPILL
3/30/2024	1	25995 S. Carmel Hills Dr.	2250	637	Roots
8/9/2024	2	2845 Ribera Road, Easement behind address	26001	0	Grit/Debris

SSO #1: Spill appeared from the clean out of 25995 S. Carmel Hills. The spill was caused by partial root blockage growing in at an abandoned lateral connection. Repairs have been made to remove the abandoned connection.

SSO #2: Occurred at manhole S622, in an easement located behind 2845 Ribera Road in Carmel Meadows. This manhole has a history of overflows caused by grit/debris that collects in the main line due to a large sag. This line segment is scheduled to be replaced during the Carmel Meadows Replacement Project (Project ID #19-03).




Cause of Spills Since 2014-2024
8%
9%
27%
56%
Roots
Grit/Grease
Free Flowing Roots
Other


Spill Map 2024
Pebble Beach Golf Links
Carmel Adult School
Carmel River State Beach
PBCSD
PRIVATE
CAWD
1:34,832
0 1,500 3,000 6,000 ft
0 480 960 1,920 m
CAWD

Section K: Mercury Seals

This facility does not use Mercury Seals – Not Applicable.

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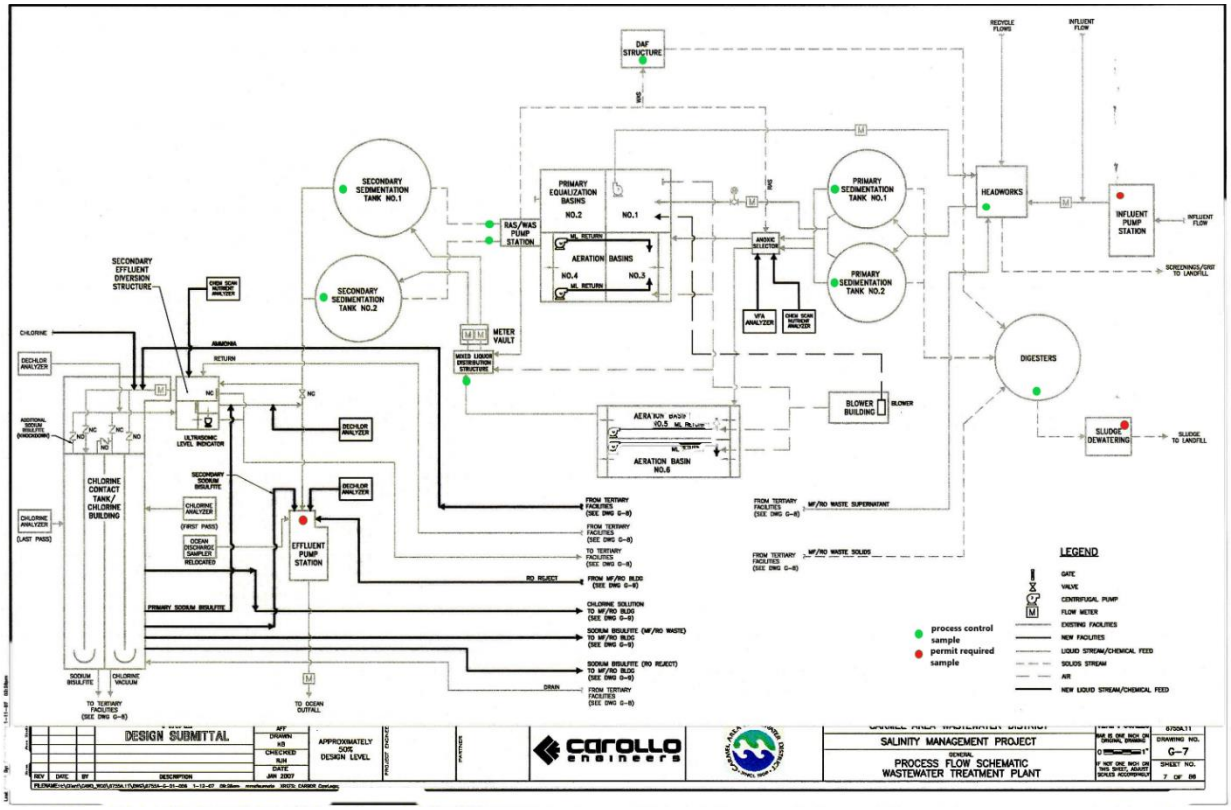
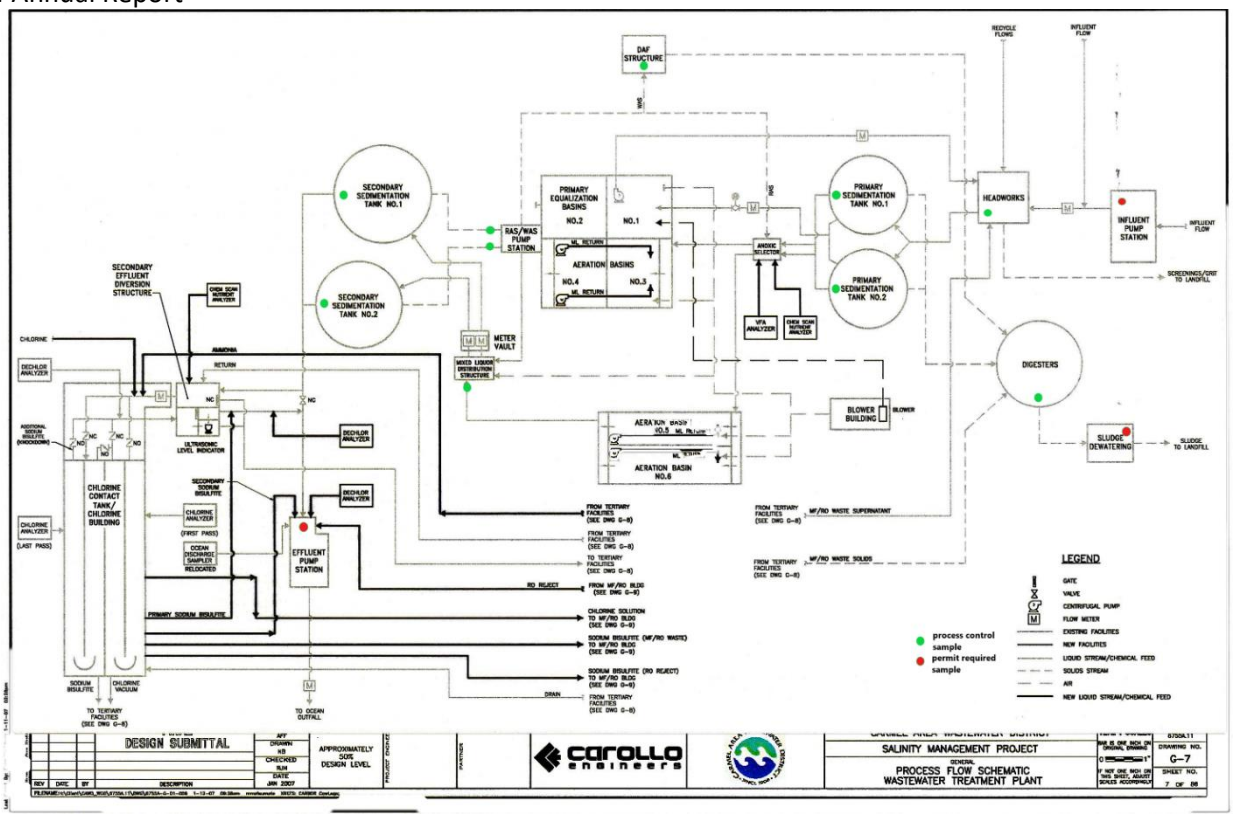
Section L: Figures



CAWD Plant Flow Schematic



CAWD PLANT SAMPLEING LOCATIONS

CAWD Building and Storage Locations

Lab Reports

This facility's Monitoring and Reporting Program requirements do not have specific annual monitoring.

STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: February 27, 2025

Subject: CalPers Section 115 - January 2025

RECOMMENDATION

Staff requests direction from the Board on Section 115 trust fund. The question was asked at the January 2025 regular meeting: **Whether CalPERS Section 115 investments consistently are able to outperform the market. Such investments represent an additional commission on ratepayers' funds compared to leaving funds with the ratepayers and requesting contributions when CalPERS issues requests for supplementary contributions. There are advantages and disadvantages to maintaining Section 115 investments. Should Carmel Area Wastewater District continue investing in Section 115 funds**? The motion to cease funding failed in January.

DISCUSSION

Board vote from the January 30, 2025 minutes:

- *A Motion To Cease Funding CalPERS 115 Was Made By Director Siegfried And Seconded by Director Urquhart To Leaving Funds With The Ratepayers And Requesting Contributions When CalPERS Issues Requests For Supplementary Contributions. After The Roll Call Vote There Were No Votes from Directors Cole and President White, With Yes Votes From Director Urquhart and Siegfried. Following A Roll Call Vote, The Motion Failed.*

An IRS approved Section 115 trust program is designed to prefund pension costs and address pension liabilities to help mitigate long term contribution rate volatility and reduce long term costs. A Section 115 trust is a low cost tool (25 basis points with CalPERS) and can generate a higher rate of return than a general reserve fund.

Staff recommends that the District continue funding the Section 115 but move funds to Strategy 1 or take a blended position in both Strategy 1 & 2. Strategy 1 has a higher expected rate of return and volatility. Strategy 2 has a lower expected rate of return and volatility.

CalPERS makes no claim to "beat" the market. Rather they are taking a moderate approach that will help build value over the long term.

It is a misnomer to say that the District is "funding" the Section 115 Trust by making a contribution. Staff would argue that we are simply making a transfer from General Reserves. If there is a desire to leave "funds with the ratepayers and requesting contributions when CalPERS issues requests" the appropriate mechanism would be through the rate model and Prop 218 process. Other than non-operating revenues (i.e. property tax and interest earnings) the bulk of our funding, and that which is controllable, comes from user fees acquired as part of the rate model process.

We make a request for funds only one time a year – during the rate setting process. At that time the Board makes the decision whether to adhere strictly to the rate model, whether to allocate funding for reserves in the formula, or whether to leave funds with the ratepayers by decreasing rates. Once the Board makes its decision on rate setting, then the District is free to assign its funds to the expenditure category it determines is an appropriate use of funds.

If the Board determines that it no longer wishes to fund the Section 115, staff then believes it is appropriate to take the existing balance and spend down on our current CalPERS liability so that the account may be closed.

FUNDING

Unknown at this time.

CEPPT Strategy 1 Performance as of January 31, 2025								
	1 Month	3 Months	Fiscal YTD	1 Year	3 Years*	5 Years*	10 Years*	Since Inception* (October 1, 2019)
Gross Return [1,3]	1.74%	1.20%	5.61%	9.40%	2.17%	4.39%	-	4.94%
Net Return [2,3]	1.72%	1.14%	5.46%	9.15%	1.94%	4.15%	-	4.70%
Benchmark Return	1.75%	1.17%	5.55%	9.31%	2.00%	4.25%	-	4.83%
Standard Deviation [4]	-	-	-	-	11.71%	11.19%	-	10.85%

CEPPT Strategy 2 Performance as of January 31, 2025								
	1 Month	3 Months	Fiscal YTD	1 Year	3 Years*	5 Years*	10 Years*	Since Inception* (January 1, 2020)
Gross Return [1,3]	1.28%	0.67%	4.38%	6.35%	0.75%	2.03%	-	2.28%
Net Return [2,3]	1.26%	0.61%	4.24%	6.11%	0.53%	1.80%	-	2.04%
Benchmark Return	1.28%	0.62%	4.28%	6.25%	0.66%	1.92%	-	2.17%
Standard Deviation [4]	-	-	-	-	9.66%	8.34%	-	8.29%

Assets Under Management

As of the specified reporting month-end:

CEPPT Strategy 1	Annual Expense Ratio
$217,631,625	0.25%

CEPPT Strategy 2	Annual Expense Ratio
$72,200,718	0.25%

Staff Report

TO: Board of Directors

FROM: Domine Barringer, Board Clerk

DATE: February 27, 2025

SUBJECT: Term Limit Policy

RECOMMENDATION
At the January 2025 meeting the Board asked that this matter be carried forward to February. Staff is asking for direction on policy changes or a reaffirmation of the existing policy.

DISCUSSION
At the regular December board meeting the President and Pro Tem were appointed for a new one year term (Rec 2024-79). At that meeting Director Cole requested that term limits should be looked at by the Board. Staff has researched the matter and find that term limits were set in Resolution 1993-12 passed March 18, 1993.

The historical list of office holders shows that the District generally followed this rule until 2009 when Charlotte Townsend started her third year term (total of six terms) and Ken White in 2015 (total of twelve terms).

Under item 1993-12 #3.

District Administrative Code

> In order to promote harmony, equal leadership opportunities and the enhancement of benefits to the Board and the District that may be derived from the individual contributions of those who serve as Board President, it shall be the normal policy of the Board of Directors to limit the number of consecutive terms a Board member may serve to two (2) annual terms.

FINANCIAL- None

CARMEL AREA WASTEWATER DISTRICT
BOARD OF DIRECTORS – TERMS OF OFFICE

Year	Name President Serving	Name Pro Tem Serving
1993-94	Joyce Stevens	Arthur Haseltine
1994-95	Arthur Haseltine	John Floyd
1995-96	Arthur Haseltine	Paul Beemer
1996-97	Paul Beemer	Brian Congleton
1997-98	Paul Beemer	Brian Congleton
1998-99	Brian Congleton	Charlotte Townsend
1999-00	Brian Congleton	Charlotte Townsend
2000-01	Charlotte Townsend	Joyce Stevens
2001-02	Charlotte Townsend	Joyce Stevens
2002-03	Joyce Stevens	Robert Kohn
2003-04	Joyce Stevens	Robert Kohn
2004-05	Robert Kohn	Ken White
2005-06	Ken White	William Englander

Year	Name President Serving	Name Pro Tem Serving
2006-07	Ken White	William Englander
2007-08	Charlotte Townsend	Robert Siegfried
2008-09	Charlotte Townsend	Robert Siegfried
2009-10	Charlotte Townsend	Greg D'Ambrosio
2010-11	Charlotte Townsend	Greg D'Ambrosio
2011-12	Charlotte Townsend	Greg D'Ambrosio
2012-13	Charlotte Townsend	Robert Siegfried
2013-14	Ken White	Robert Siegfried
2014-15	Ken White	Robert Siegfried
2015-16	Ken White	Robert Siegfried
2016-17	Ken White	Robert Siegfried
2017-18	Ken White	Robert Siegfried
2018-19	Ken White	Robert Siegfried
2019-20	Ken White	Robert Siegfried
2020-21	Ken White	Robert Siegfried
2021-22	Ken White	Robert Siegfried
2022-23	Ken White	Robert Siegfried

Year	Name President Serving	Name Pro Tem Serving
2023-24	Ken White	Robert Siegfried
2024-25	Ken White	Robert Siegfried
2025-26	To Be Determined (TBD)	TBD

Chris Foley's Oral Report
CASA Conference

CAWD Principal Engineer Projects Overview

Jeff Bandy
Carmel Area Wastewater District Board of Directors Meeting

February 27, 2025

1

Presentation Outline

- **CAWD-PBCSD Reclamation Project**
  - Reclamation 15-Year Capital Improvements Program Master Planning Phase II
- **Collections Projects**
  - Sewer Pipe Replacement
  - Vactor Receiving Station Project
  - Highlands Force Main Improvements
  - Ribera Rd. Retaining Wall Replacement
- **WWTP Projects**
  - Site Improvements Projects
- **Other Initiatives**
- **Capital Improvements Perspective**

2

Carmel Area Wastewater District-Pebble Beach Community Services District 15-Year Reclamation Capital Improvement Projects Master Plan

Purpose: Evaluate alternatives and develop capital improvement roadmap to rehabilitate the tertiary system (sand filters) and membrane filtration-reverse osmosis reclamation system.

Phase I:

- Condition assessments
- Probability of failure & consequence of failure
- Replacement cost estimate ($27M)

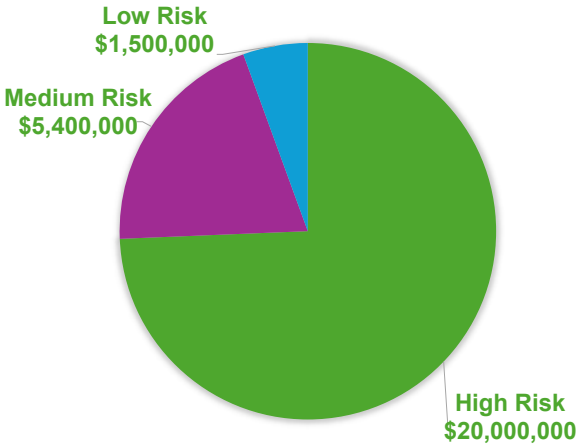
Phase II:

- Alternatives analyses
- Capital and lifecycle cost estimates
- Strategic capital improvements plan roadmap

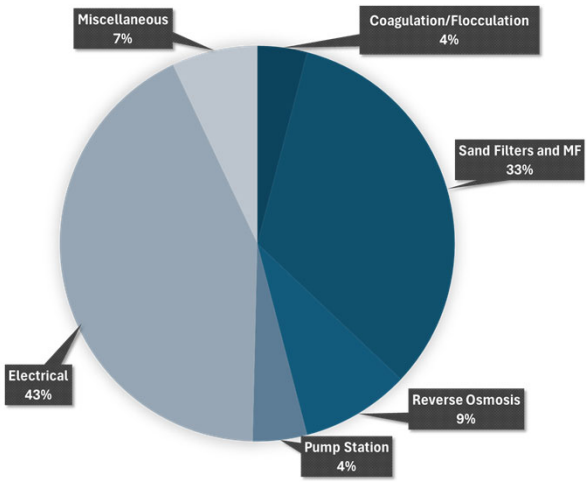
3

Reclamation Assets Replacement Costs Summary

Grouped by Business Risk Exposure



Grouped by Process Area



4

Phase II 15-Year CIP Master Plan Alternatives Analyses

Filtration Alternatives

- Sand Filter & Microfiltration (MF) Rehabilitation
- MF Replacement/ Expansion
- Membrane Bioreactor

RO Alternatives

- Flow Reversal Reverse Osmosis (FRRO)
- Additional Booster Pump
- Concentrate Recovery RO System

Miscellaneous

- Disinfection Improvements
- Additional Interstage Tank
- Corrosion Control Alternatives

Comparison Criteria:

- Water production
- Water quality
- Safety
- Reliability
- Maintenance
- Useful life
- Construction schedule
- Capital and lifecycle costs
- Maintaining Operations during Construction

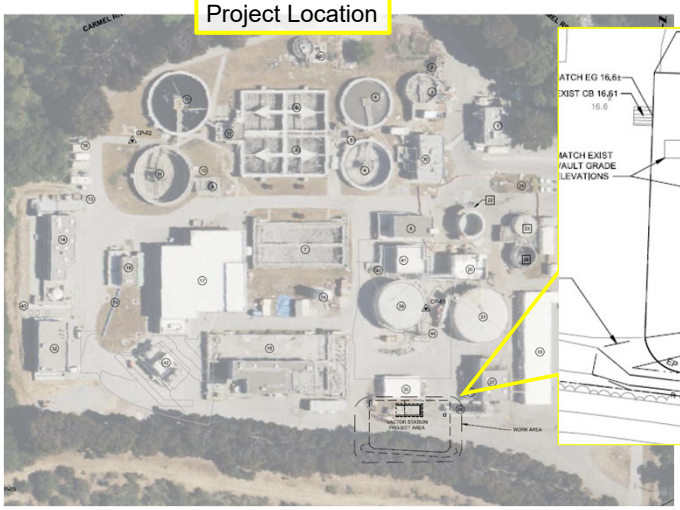
5

Collections Projects – Sewer Pipe Replacement

- **Santa Rita & Guadalupe St. Sewer Main Replacement Project:**
  - **Project Scope:** Replace 8,500 LF of existing 6” clay pipe with 8” plastic gravity sewer by pipe bursting and open trench methods. Manhole and flushing inlet rehabilitation and construction.
  - **Construction estimate**: $4.3M
  - **Bid Open**: March 20, 2025
  - **Project Award**: April 24, 2025
  - **Project Completion**: January 2026
- **Scenic Rd. Sewer Main Replacement Project:**
  - **Project Scope:** Replace 11,000 LF of existing 6” clay pipe with 8” plastic gravity sewer by pipe and open trench methods. Manhole and flushing inlet rehabilitation and construction.
  - **Construction estimate**: Approx. $4.7M
  - **Bid Open**: May 15, 2025
  - **Project Award**: May 28, 2025
  - **Project Completion**: April 2026

6

Collections Projects – Vactor Receiving Station



7

Collections Projects – Vactor Receiving Station

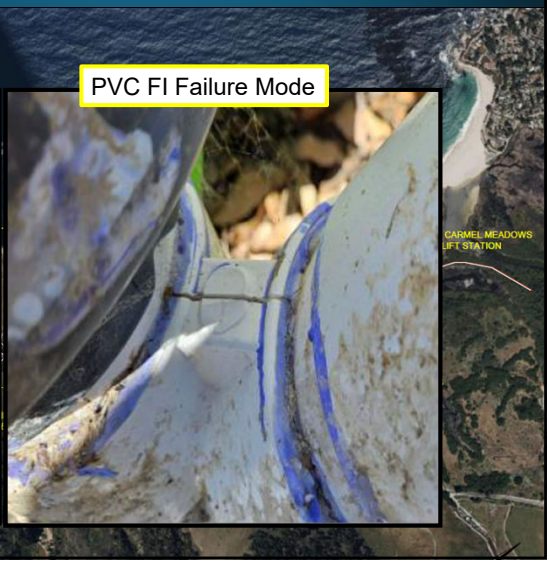
8

Collections Projects – Vactor Receiving Station

9

Collections Projects – Highlands Force Main Improvements

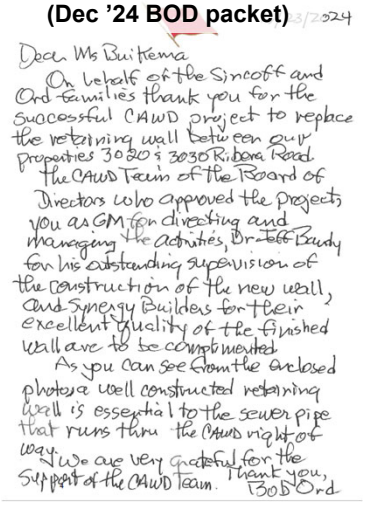
Flush inlet, air relief valve, and vault replacement spot repair program (Q4 2025)



10

Collections Projects – Ribera Rd. Retaining Wall Replacement

Letter from Homeowner (Dec '24 BOD packet)



Dear Ms Buitema
On behalf of the Sincoff and Ord families thank you for the successful CAWD project to replace the retaining wall between our properties 3020 & 3030 Ribera Road. The CAWD Team of the Board of Directors who approved the Projects, you as GM for directing and managing the activities, Brian Brady for his outstanding supervision of the construction of the new wall, and Synergy Builders for their excellent quality of the finished wall are to be complimented. As you can see from the enclosed photos a well constructed retaining wall is essential to the sewer pipe that runs thru the CAWD right of way. We are very grateful for the support of the CAWD Team. Thank you, 13OD Ord

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WWTP Projects – Site Improvements Projects

Phase	Proj. #	Project Title
I	18-28	Perimeter Eucalyptus Tree Removal
	19-18	Perimeter Fencing
II	-	Plant Paving and Striping, Vault Lid Repairs
	-	Plant Landscaping
	-	Equipment Enclosures
	-	Office Trailers Replacement
III	22-03	Main Potable Water and Gas Main Replacement

- Combination of projects in the Treatment Plant CIP Budget over the next three years.
- Phased construction based on CEQA and permitting complexity.
- Improvements to safety, security, and visual appeal of the treatment plant

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Other Initiatives

- New software systems: data hub (eRIS) and permit management (Klir)
- Annual ocean outfall and lagoon crossing inspection
- Reclamation permit update discussions with Central Coast Regional Water Quality Control Board
- 2025 Sanitary Sewer Master Plan update
- Reclamation Process Support contract management
- Working with public on new connections
- Carmel United School District summer high school intern program

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Capital Improvements Perspective

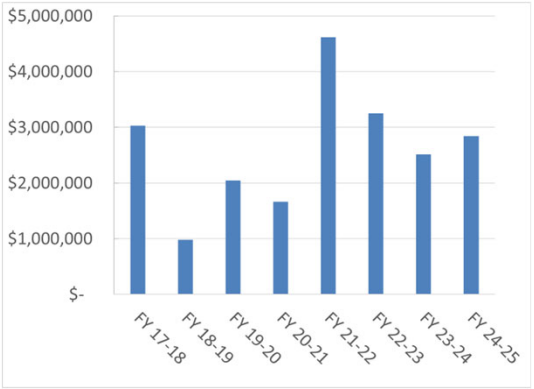
Budgeted Total CIP

15 Year CIP Outlay	Total CIP
Collections	*$66M*
Treatment	*$22M*
Reclamation (not in CAWD Budget)	*$25M*
Total	**$113M**

Budgeted: $7.5M/Year

CIP Planned for 2025: >$8M

Actual CIP Spent



Actual: $3.5M/Year

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STAFF REPORT

To: Board of Directors

From: Barbara Buikema, General Manager

Date: February 27, 2025

Subject: Carmel Area Wastewater District (CAWD)/Pebble Beach Community Special District (PBCSD) - Wastewater Reclamation Management Committee (RMC) on February 11, 2025

DISCUSSION

Agenda Items:

1. Minutes from November 12, 2024 were approved unanimously.
2. Financial Statements ending December 31, 2024 were received and no action was required.
3. Operations & Maintenance (O&M) Project report was presented by Superintendent Waggoner. The reservoir reached full capacity February 4th. A review of significant maintenance being performed during shutdown was presented. Progress continues on efforts to reach 90% recovery on all trains. Reverse Osmosis Train B will reach that goal in early December, and Train A will reach 90% once the new irrigation season starts. Train C has been operating at 90% since July.
4. Distribution System O&M report was presented by Chris Simmons, PBCSD Associate Engineer. This year the reservoir achieved 10% capacity in mid-January, the earliest since being operated as part of the Reclamation Project. Capital Improvement Projects include replacement of the Forest Lake Reservoir horizontal strainers and improvements on the Viscaino Pump Station.
5. The committee was informed that Rob Wellington's retirement will require the Project to engage new counsel. Although legal services have been administered by CAWD in the past, it is the RMC's prerogative to appoint new legal counsel. There was a request made that the RMC provide input and direction for appointing a new counsel.
6. The 2024 Committee Meeting Schedule was adjusted to reflect the RMC meeting on November 18th rather than the 11th as originally listed.

The next regular meeting is on Tuesday, May 13, 2025 at 9:30 a.m.

California Special Districts Association
Districts Stronger Together

DATE: **February 10, 2025**

TO: CSDA Voting Member Presidents and General Managers

FROM: CSDA Elections and Bylaws Committee

SUBJECT: **CSDA BOARD OF DIRECTORS CALL FOR NOMINATIONS SEAT B**

The Elections and Bylaws Committee is looking for Independent Special District Board Members or their General Managers who are interested in leading the direction of the California Special Districts Association for the 2026 - 2028 term.

The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the Board with staggered 3-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular Member in good standing and located within the geographic network that they seek to represent.
(See attached CSDA Network Map)

The CSDA Board of Directors is the governing body responsible for all policy decisions related to CSDA's member services, legislative advocacy, professional development, and other resources for members. The Board of Directors is crucial to the operation of the Association and to the representation of the common interests of all California's special districts before the Legislature and the State Administration. Serving on the Board requires one's interest in the issues confronting special districts statewide.

Commitment and Expectations:

- Attend all Board meetings, usually 4-5 meetings annually, at the CSDA office in Sacramento.
- Participate on at least one committee, meets 3-5 times a year at the CSDA office in Sacramento.
  (CSDA reimburses Directors for their related expenses for Board and committee meetings as outlined in Board policy).
- Attend, at minimum, the following CSDA annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the fall.
  *(CSDA does **not** reimburse expenses for the two conferences even if a Board or committee meeting is held in conjunction with the event)*
- Complete all four modules of CSDA's Special District Leadership Academy within 2 years of being elected.
  *(CSDA does **not** reimburse expenses for the Academy classes even if a Board or committee meeting is held in conjunction with the event).*

Nomination Procedures: Any Regular Member district in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district's Board of Directors), for election to the CSDA Board of Directors. **A copy of the member district's resolution or minute action and Candidate Information Sheet must accompany the nomination. The deadline for receiving nominations in the Northern Network is April 21, 2025. The deadline for receiving nominations in all other Networks is April 11, 2025. Nominations and supporting documentation may be mailed or emailed.**

Mail: 1112 I Street, Suite 200, Sacramento, CA 95814
Fax: 916.442.7889
E-mail: amberp@csda.net

Once received, nominees will receive a candidate's letter. The letter will serve as confirmation that CSDA has received the nomination and will also include campaign guidelines.

CSDA will begin electronic voting on June 10, 2025. All votes must be received through the system no later than 5:00 p.m. July 25, 2025. The successful candidates will be notified no later than July 29, 2025. All selected Board Members will be introduced at the Annual Conference in Monterey, CA in August 2025.

Expiring Terms
(See enclosed map for Network breakdown)

Northern Network	Seat B – Kim Seney, Director, Gold Mountain Community Services District
Sierra Network	Seat B – Jerry Gilmore, Director, Truckee Sanitary District*
Bay Area Network	Seat B – Ryan Clausnitzer, General Manager, Alameda County Mosquito Abatement District*
Central Network	Seat B – Lorenzo Rios, CEO, Clovis Veterans Memorial District*
Coastal Network	Seat B – Scott Duffield, General Manager, Heritage Ranch Community Services District*
Southern Network	Seat B – Don Bartz, General Manager, Phelan Pinon Hills Community Services District*

(* = Incumbent is running for re-election)

CSDA will be using a web-based online voting system allowing your district to cast your vote easily and securely. *Electronic Ballots will be emailed to the main contact in your district June 10, 2025.* All votes must be received through the system no later than 5:00 p.m. July 25, 2025.

Districts can opt to cast a paper ballot instead; but you must contact Amber Phelen by e-mail amberp@csda.net ***by April 25, 2025*** *in order to ensure that you will receive a paper ballot on time.*

CSDA will mail paper ballots on June 10, 2025 per district request only.

If you have any questions, please contact Amber Phelen at amberp@csda.net.

California Special
Districts Association
Districts Stronger Together

2026-2028 TERM BOARD OF DIRECTORS NOMINATION FORM

Name of Candidate: _____

District: _____

Mailing Address: _____

_____

Network: _____ **(see map)**

Telephone: _____
(PLEASE BE SURE THE PHONE NUMBER IS ONE WHERE WE CAN REACH THE CANDIDATE)

Fax: _____

E-mail: _____

Nominated by (optional): _____

Return this form, a Board resolution/minute action supporting the candidate, and Candidate Information Sheet by mail or email to:

CSDA
Attn: Amber Phelen
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732

amberp@csda.net

DEADLINE FOR RECEIVING NOMINATIONS:

Northern Network - Extended due to vacancy: April 21, 2025 at 5:00 p.m.

All other networks: April 11, 2025 at 5:00 p.m.

California Special
Districts Association
Districts Stronger Together

2026-2028 TERM - CSDA BOARD CANDIDATE INFORMATION SHEET

The following information MUST accompany your nomination form and Resolution/minute order:

Name: _____

District/Company: _____

Title: _____

Elected/Appointed/Staff: _____

Length of Service with District: _____

1. **Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

_____

_____

2. **Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

_____

_____

3. **List local government involvement (such as LAFCo, Association of Governments, etc.):**

_____

_____

4. **List civic organization involvement:**

_____

_____

****Candidate Statement – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after the nomination deadlines will not be included with the ballot.**

California Special Districts Association

DISTRICT NETWORKS

LAST UPATED NOV. 1, 2019

33. Announcements on Subjects of Interest to the Board Made by Members of the Board or Staff

Oral reports or announcements from Board President, Directors or staff concerning their activities and/or meetings or conferences attended.

PBCSD Board Public Meeting Notice & Agenda – The next PBCSD meeting is scheduled for: *Friday, March 28, 2025, at 9:30 a.m. –Newly Elected Director is scheduled to attend.* *Friday, April 25, 2025, at 9:30 a.m. –Director Siegfried is scheduled to attend.*
Special Districts Association (SDA) of Monterey County – The next SDA meeting is scheduled for: *Tuesday, April 15, 2025, at 6:00 p.m. –President White is scheduled to attend.* *Tuesday, July(TBD), 2025, at 6:00 p.m. – Newly Elected Director is scheduled to attend.*
Reclamation Management Committee (RMC) Meeting – The next RMC meeting is scheduled for: *Tuesday, May 13, 2025, at 9:30 a.m. President White and Newly Elected Director are scheduled to attend.*

Adjournment