

**JOINT MEETING
CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
(UNDER JOINT POWERS AGREEMENT)**

Cayucos Sanitary District Board of Directors:

Robert Enns, President
Dan Chivens, Vice-President
Michael Foster, Director
Shirley Lyon, Director
Dan Lloyd, Director

City of Morro Bay City Council:

Jamie Irons, Mayor
Christine Johnson, Mayor Pro Tem
George Leage, Councilmember
Nancy Johnson, Councilmember
Noah Smukler, Councilmember

AGENDA

MEETING DATE:

6:00 p.m., Thursday, November 13, 2014

MEETING PLACE:

Multi-Purpose Room, Community Center
1001 Kennedy Way
Morro Bay, CA 93442

HOSTED BY:

City of Morro Bay

CALL TO ORDER AND ROLL CALL

COUNCIL AND BOARD ANNOUNCEMENTS

PUBLIC COMMENT PERIOD

Members of the audience wishing to address the governing bodies on Morro Bay-Cayucos Wastewater Treatment Plant (WWTP) business matters may do so at this time. By the conditions of the Brown Act, the governing bodies may not discuss issues not on the agenda, but may set items for future agendas. When recognized by the Chair, please come forward to the podium and state your name and address for the record. Comments should be limited to three minutes. All remarks shall be addressed to the governing bodies, as a whole, and not to any individual member thereof. This governing body requests that you refrain from making slanderous, profane, or personal remarks. Please refrain from public displays or outburst such as unsolicited applause, comments, or cheering. Any disruptive activity that substantially interferes with the ability of this governing body to carry out its meeting will not be permitted and offenders will be requested to leave the meeting. Your participation in these joint meetings is welcome and your courtesy will be appreciated.

A. CONSENT CALENDAR

Unless an item is pulled for separate action by the City Council or Cayucos Sanitary District Board, the following items are approved without discussion

A-1 MINUTES OF OCTOBER 9, 2014 JPA MEETING

Recommendation: Approve as submitted

A-2 MINUTES OF OCTOBER 9, 2014 SPECIAL JPA MEETING

Recommendation: Approve as submitted

A-3 STATUS REPORT OF THE MAJOR REPAIR AND MAINTENANCE PLAN (MMRP) FOR THE WWTP

Recommendation: Receive and file

A-4 WWTP OPERATIONS REPORT THROUGH JULY, 2014

Recommendation: Receive and file

C. NEW BUSINESS

C-1 REPORT ON STATUS OF CMC ALTERNATIVE CAPACITY ANALYSIS BY CAROLLO ENGINEERS

Recommendation: Council and District Board review and provide direction to staff for any future action resulting from CMC analysis.

C-2 REVIEW OF CITY COUNCIL DISCUSSION AND ACTION ON FINAL SITE SELECTION OF THE WATER RECLAMATION FACILITY

Recommendation: Council and District Board review and provide direction to staff for any future action resulting from the final site selection, including impact on CMC site option.

C-3 SCHEDULE NEXT JOINT MEETING AND FUTURE AGENDA ITEMS

ADJOURNMENT - (Next meeting will be hosted by the Cayucos Sanitary District)

Copies of staff reports and other public documentation relating to each item of business for this meeting are available for inspection at Morro Bay City Hall at 595 Harbor Street and the Cayucos Sanitary District at 200 Ash Ave. A copy of this packet is available from the City of Morro Bay for copying at Mills Copy Center and from the Cayucos Sanitary District for a copy and duplication charge. Any person having questions regarding any agenda items may contact Bruce Keogh, Wastewater Division Manager (City of Morro Bay) at 772-6261 or Rick Koon, District Manager (Cayucos Sanitary District) at 995-3290. In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Public Services' Administrative Technician at (805) 772-6261, or the Cayucos Sanitary District at (805) 995-3290. Notification 24 hours prior to the meeting will enable the City and District to make reasonable arrangements to ensure accessibility to this meeting.

Materials related to an item on this Agenda submitted to the City of Morro Bay or the Cayucos Sanitary District after distribution of the agenda packet are available for public inspection at the scheduled meeting.

**JOINT MEETING
CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
(UNDER JOINT POWERS AGREEMENT)**

MINUTES

**CAYUCOS SANITARY DISTRICT
BOARD OF DIRECTORS:**

Robert Enns, President
Dan Chivens, Vice-President
Michael Foster, Director
Shirley Lyon, Director
Dan Lloyd, Director

MEETING DATE:

6:00 p.m., Thursday, October 9, 2014

HOSTED BY:

Cayucos Sanitary District

**CITY OF MORRO BAY CITY COUNCIL
MEMBERS:**

Jamie Irons, Mayor
Christine Johnson, Mayor Pro Tem
George Leage, Councilmember
Nancy Johnson, Councilmember
Noah Smukler, Councilmember

MEETING PLACE:

Cayucos Veteran's Hall
10 Cayucos Drive, Cayucos, CA 93430

CALL TO ORDER AND ROLL CALL

President Enns called the meeting to order at 6:03. Roll call was taken and all Cayucos Sanitary District Board Members were present. All Morro Bay City Council members were present with the exception of Mayor Irons who will be teleconferencing in to the meeting from Monterey, CA as soon as the communication network is established.

Cayucos staff members present were District Manager Rick Koon, District Counsel Tim Carmel and Administrative Services Accounting Manager Anita Rebich.

Morro Bay staff members present were Public Services Director Rob Livick, Engineering/Capital Projects Manager Rick Sauerwein, WWTP Division Manager Bruce Keogh, City Legal Counsel John W. Fox, and City Manager David Buckingham.

COUNCIL AND BOARD ANNOUNCEMENTS

Mayor Pro Tem Christine Johnson announced that with Mayor Jamie Irons teleconferencing from a different location we would hold the Regular meeting and Special meeting concurrently. She formally opened the Regular meeting along with formally opening the Special meeting. Mayor Pro Tem Johnson also announced that a roll call vote will be required on all action items, since the meetings were running concurrently; one roll call vote would suffice for both meetings.

PUBLIC COMMENT PERIOD

Members of the audience wishing to address the governing bodies on Morro Bay-Cayucos Wastewater Treatment Plant (WWTP) business matters may do so at this time. By the conditions of the Brown Act, the governing bodies may not discuss issues not on the agenda, but may set items for future agendas. When recognized by the Chair, please come forward to the podium and state your name and address for the record. Comments should be limited to three minutes.

President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

A. CONSENT CALENDAR

A-1 MINUTES OF SEPTEMBER 11, 2014 JPA MEETING

Recommendation: Approve as submitted

A-2 STATUS REPORT OF THE MAJOR REPAIR AND MAINTENANCE PLAN (MMRP) FOR THE WWTP

Recommendation: Receive and file

MORRO BAY MOTION: Noah Smukler moved to approve the Consent Calendar. George Leage seconded.

ROLL CALL VOTE: Smukler (yes), C. Johnson (yes), N. Johnson (yes), Leage (yes).

Motion passed **4-0**

Telecommunications with Mayor Irons had not been established at the time of the vote.

CAYUCOS MOTION: Dan Lloyd moved to approve the Consent Calendar in its entirety, Dan Chivens seconded.

ROLL CALL VOTE: Lloyd (yes), Enns (yes), Chivens (yes), Lyon (yes), Foster (yes).

Motion passed **5-0**

Bruce Keogh commented he had nothing further to add to his status report presented on the MMRP except to say that his crew is ecstatic that the influent screen project has been completed, the second screen was installed today and all that's left is a few punch list items.

C. NEW BUSINESS

C-1 REPORT BY THE MAYOR AND CAYUCOS SANITARY DISTRICT PRESIDENT ON THE OCTOBER 2, 2014 JPA TECHNICAL COMMITTEE MEETING

Recommendation: Receive and file

President Enns spoke about a conversation he and Mayor Irons had earlier in the day and they had agreed that both agencies must work together, be consistent with communication with each other and that Morro Bay would be the lead agency on the scope of work for the Carollo report. Enns touched on a couple talking points that were discussed between Mayor Irons and himself:

- Cayucos stressed that in a meeting with RWQCB last year, it was requested we, Morro Bay and Cayucos,

look at a regional facility, we look 75 years out and that we consider the Rancho Colina site.

- The CMC site was discussed as far as benefits to the restoration of the Chorro Valley aquifer
- Costs of moving to CMC were discussed and it was agreed that we would focus on the reliability of the estimates that are out there.

Mayor Irons teleconferenced into the meeting at 6:13 p.m.

Mayor Irons acknowledged the talking points between himself and President Enns. He spoke of the 10/2/14 Technical Committee meeting, the relationship that would have to exist between the Cayucos Board and Morro Bay City Council especially with Morro Bay taking the lead role. Both the City and Cayucos had done their own analysis and studies and both had different methodology; it comes down to Morro Bay prefers the Rancho Colina site and Cayucos prefers the CMC site. Mayor Irons reiterated that direction needed to be given to the respective staffs to work collaboratively and cooperatively throughout the site selection process.

Rob Livick reported that the final scope of work with Carollo is complete and the kick-off meeting with Carollo is Oct 10th. Morro Bay will press Carollo to get the analysis rolling in order to obtain the information that's needed to make a decision at the November meeting. President Enns questioned the 45 day contract completion date for the preliminary report; stating it falls after the November City Council meeting. Livick said they will work with Carollo to expedite the process in order to facilitate accurate and timely information for that meeting. Livick concluded that more information on this will be reported in Item C-3.

Smukler stated the Technical Committee meeting was an important meeting that brought out the Cayucos goals and objectives along with the shared goals of both Morro Bay and Cayucos. He feels the logistic and bureaucratic hurdles of going to CMC need to be identified in order to do an accurate comparison of the two sites.

Nancy Johnson is concerned about the timeline of the reports, and decisions being made from preliminary information.

Christine Johnson appreciates the two boards coming together and discussing these issues. She also thanked the respective representatives from the Regional Water Quality Control Board (RWQCB) and the County, for taking the time and showing their interest by being here.

President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

Mayor Irons thanked the agencies for being present. He stated that as we get closer to the end of the analysis and are ready to make a decision on the site; it's imperative that we reach out and have open communications with these agencies. He asked that a motion be made by the Morro Bay City Council for staff to work cooperatively with Cayucos, share draft reports and findings and for Morro Bay to be the lead agency for the WRF studies.

Legal Counsel Carmel interjected that this item is a "Receive and File" item and no formal motion is required but a directive to staff is fine.

Mayor Irons wants the directive to come from the Council and the Board and not just the Technical Committee.

Smukler appreciates the intent of the directive and feels this would be more appropriate after Item C-3

C-2 PRESENTATION BY JOHN F. RICKENBACH CONSULTING ON THE PROJECT STATUS OF THE WATER RECLAMATION FACILITY

Recommendation: Receive and file

A presentation by John Rickenbach of John F. Rickenbach Consulting (JRF) provided an update of the ongoing efforts for the new WRF project including recapping the goals for the new facility, timelines of both past efforts and those going forward and current studies that are underway.

Rickenbach addressed the current CMC analysis underway and pointed out some of the key issues:

- Cost to expand the site for regional use
- Funding
- Permitting implications
- Potential water use benefits
- Logistics of a regional partnership
- Implications for Morro Bay ratepayers

Rickenbach concluded the presentation by stating that JFR would like to use all the assumptions from the CMC analysis and apply the same to the Rancho Colina site. He pointed out that the preliminary 5 year schedule developed by JFR has concurrent projects running throughout the schedule.

The Council and Board thanked Rickenbach for the presentation, for bringing Cayucos up to speed, and stated the timeline that's been laid out is crucial. They are looking forward to the completion of the studies and seeing the apples to apples comparisons.

President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

There was concern expressed by Cayucos about not having the final Carollo report prior to the decision the City Council is prepared to make on site selection at the November 12 meeting. A thorough comparison of the two sites is crucial to making an informed decision. With Morro Bay leaning towards the Rancho Colina site and Cayucos leaning towards CMC, it's imperative that an adequate and thorough evaluation be completed prior to a decision.

Mayor Irons stated he feels Morro Bay has operated with thoroughness and diligence and the 5 year goal is an aggressive but realistic goal. He is pleased that from the past studies, we have come out of this with two viable sites. The citizens of Morro Bay need to recognize the process and why Morro Bay is entertaining the CMC site as an option. The City could have made the decision last year on their preferred site, but this is a partnership between the City and Cayucos, the separate paths that we both have gone down now need to come together for the final decision.

Smukler felt that having two great site options to choose from is an enviable situation to be in. He's not willing to frivolously throw out the timeline, and would like to see the November date be met so we can push forward. Smukler continued by requesting the Cayucos Board and staff tour the Rancho Colina site, as Morro Bay has done. He also feels it would be beneficial to our decision if we all could get a tour of the CMC plant.

Christine Johnson confirmed with Livick, that the California Coastal Commission has been kept informed during the new site selection process. She also stated that Morro Bay looks at the water situation quite differently than they did a couple years ago. Morro Bay is 98.5% reliant on State water; Cayucos doesn't have that same concern, so the need for reclamation and water diversity is of the utmost importance to Morro Bay.

C-3 OVERVIEW OF THE PARTNERSHIP ON CMC ALTERNATIVE ANALYSIS BY CAROLLO ENGINEERS

Recommendation: Council and District Board review and provide direction to staff for any future action resulting from the CMC analysis

Livick gave a brief overview of his staff report stating the CMC site is being evaluated as an alternative to the Rancho Colina site based on requests from Cayucos Sanitary District and the RWQCB. The study underway by Carollo is to provide an "apples to apples" comparison of the two sites, and bring the findings to the City Council on November 12.

Livick recapped the scope of work for the Carollo CMC analysis:

- Evaluate the existing capacity of the current plant
- Detailed analysis of the improvements that would be required to meet capacity for a regional facility
- Footprint and area of new facilities that would be needed for required capacity of a regional facility
- Cost estimates for construction of improvements
- Estimate of lifecycle cost for the regional facility
- Feasibility and cost of proposed pipelines and pump station(s) to convey raw wastewater from current site to CMC site
- Draft Technical Memorandum (TM) due in 45 days, Final TM due 60 days from 9/30/14 contract date

President Enns introduced Ken Harris, Executive Officer of the Central Coast Regional Water Quality Control Board. Mr. Harris pointed out that our site selection is something that we'll have to live with for a long time. He suggested we give ourselves adequate time to make the very best decision, even if it means pushing a date out a few weeks. Harris spoke on how the is drought is driving groundwater management and recycled water is in everyone's future, not just purple pipe irrigation, but for drinking. Harris feels funding issues would be better addressed for a multi-community, regional project, and he urged the City of Morro Bay and Cayucos to talk to them when it comes to permitting and grant funding or low cost loans. The advantage the regional board has over local agencies is their access to State level agencies and contacts and their ability to make things happen in a relatively short period of time.

Christine Johnson asked Harris if he could give us insight as to a timeline or requirements for transfer of ownership of the CMC plant from the State to the County. Harris said he currently doesn't know the status of where the State stands; he is willing to commit to a phone call to get an update.

Smukler inquired on the State Water Board's ability to assist with some funding for the Carollo analysis. Harris explained that the CMC owes approximately \$500,000 in Mandatory Minimum Penalties and there is the ability to direct up to half of those funds to the CMC project. The Water Board is currently working to secure monies to help with the expense of the Carollo contract, which shouldn't be an issue and he'll get us an answer as soon as possible. Harris concluded by advising the City of Morro Bay and Cayucos on the value of our ocean outfall, and to not give it up.

Lloyd thanked Mr. Harris and voiced the fact that we need to enlist willing participants to move us forward, and he would appreciate Harris and the Water Board's assistance and direction.

President Enns introduced Jean-Pierre Wolff, Chairman of the Central Coast RWQCB who presented the opportunities he sees in front of us:

- Ability to leverage new technologies
- New tools and options i.e. groundwater direct injection for groundwater recharge
- Historic legislation changes that could benefit the project
- Financing and other opportunities for funding due to the unprecedented drought

Mr. Wolff echoed the sentiments of Mr. Harris regarding their willingness and eagerness to assist. He wants to put our timeline into perspective; we have a project that will last half a century (600 months). We only have one opportunity to do it right, what is one more month in relation to 600 months. The RWQCB is viewed as the regulators, Wolff commented, they also want to be known as facilitators.

Christine Johnson posed the question of Los Osos being the newest facility on the Central Coast. Was it run through the regional process and has it been considered as a regional facility. It sits right next door to Morro Bay and has the latest technology.

Mark Hutchinson, SLO County Deputy Director of Public Works for water, wastewater and environmental services, explained the County has no current position on regionalization; however, there are County districts that have blanket policies that address regionalization and allow this type of issue to be looked at. When Mr. Ogren was with the County, they got as far as presenting a formal proposal to the California Department of Corrections and Rehabilitation (CDCR) on moving forward with the CMC site. Hutchinson said the CDCR and Sacramento are currently fully engaged in water supply issues and there has been no movement on the County's proposal. Regarding the Los Osos facility, Harris stated Carollo had determined there was no benefit to Los Osos to join with Morro Bay or with CMC as a regional facility because they needed to bring 100% of the recycled water back to Los Osos.

President Enns thanked Mr. Hutchinson for his insight and reiterated that we really need to think regionally, not just for wastewater and CMC, but in terms of water supply and the ability to transfer water throughout the County.

President Enns opened Public Comment period.

- Ken Harris spoke on the cooperative efforts going on in Monterey and Salinas with recycling wastewater that was previously drained to into ditches. It will now be used for irrigation and introduced back into the ground to assist with halting saltwater intrusion. The Monterey plant is very progressive with not only treating wastewater, but reclamation and reuse of water. Whichever site we select; Harris suggested we make sure we can use 100% of the recycled water.
- David Buckingham said he was interested in seeing Rickenbach provide not only capital costs for both sites but long term operating costs especially as they relate to energy use and pumping costs. As far as the County and the Los Osos project, he found it very interesting that the County who has the best regional view came to a non-regional decision for the Los Osos plant.

- Ken Harris spoke on the long and colored history of the Los Osos project. When looking at Los Osos for regionalizing; it's very complicated and unique, not to mention the Los Osos basin which is experiencing severe seawater intrusion.

Hearing no further comments, President Enns closed Public Comment period.

There was discussion regarding any operating efficiencies that would come from regionalization, not creating our own colored past, fully analyzing the benefits to both the Chorro and the Morro Valleys, working with Carollo to get information in time for the November 12th meeting and sticking with the timeframe to get the site selection done and keep moving forward.

MORRO BAY MOTION: Noah Smukler moved to direct our staffs to work collaboratively with our potential regional partners and regulators to develop a comparative analysis of both options with the intent of review, discussion and a potential decision at the November 12th Council meeting and the November 13th JPA meeting. Mayor Irons seconded.

Legal Counsel Carmel stated that Staff set this up for direction, not action; so there is no formal motion.

Discussion ensued on the specific dates and actions stated in Smukler's motion.

Legal Counsel Fox stated his position is that the only way for Council to provide direction to staff is by way of a motion. Direction is action and the Council, should they so choose; can make and adopt a motion to direct staff to move forward.

Mayor Irons emphasized that at the JPA Technical Committee meeting there was a commitment by both Morro Bay and Cayucos to direct their staff to work collaboratively and cooperatively. Mayor Irons expects that President Enns will make the same motion on direction.

ROLL CALL VOTE: Smukler (yes), Irons (yes), C. Johnson (yes), Leage (no), N. Johnson (no).
Motion passed **3-2**

In keeping with the opinion of Legal Counsel Carmel, the Cayucos Board did not make a motion or vote; however they did reiterate the need to work collaboratively and cooperatively with all agencies involved.

C-4 SCHEDULE NEXT JOINT MEETING AND FUTURE AGENDA ITEMS

The next JPA meeting is scheduled for November 13, 2014 and will be hosted by The City of Morro Bay.

ADJOURNMENT

President Enns and Mayor Pro Tem Johnson adjourned the meeting at 8:56 pm.

Minutes Recorded by:
Anita Rebich, Cayucos Sanitary District

**SPECIAL JOINT MEETING
CITY OF MORRO BAY AND CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
(UNDER JOINT POWERS AGREEMENT)**

MINUTES

**CAYUCOS SANITARY DISTRICT
BOARD OF DIRECTORS:**

Robert Enns, President
Dan Chivens, Vice-President
Michael Foster, Director
Shirley Lyon, Director
Dan Lloyd, Director

MEETING DATE:

6:00 p.m., Thursday, October 9, 2014

HOSTED BY:

Cayucos Sanitary District

**CITY OF MORRO BAY CITY COUNCIL
MEMBERS:**

Jamie Irons, Mayor
Christine Johnson, Mayor Pro Tem
George Leage, Councilmember
Nancy Johnson, Councilmember
Noah Smukler, Councilmember

MEETING PLACE:

Cayucos Veteran's Hall
10 Cayucos Drive, Cayucos, CA 93430
and
Portola Hotel, Ironwood 1 Conference Room
2 Portola Plaza, Monterey, CA 93940

CALL TO ORDER AND ROLL CALL

President Enns called the meeting to order at 6:03. Roll call was taken and all Cayucos Sanitary District Board Members were present. All Morro Bay City Council members were present with the exception of Mayor Irons who will be teleconferencing in to the meeting from Monterey, CA as soon as the communication network is established.

Cayucos staff members present were District Manager Rick Koon, District Counsel Tim Carmel and Administrative Services Accounting Manager Anita Rebich.

Morro Bay staff members present were Public Services Director Rob Livick, Engineering/Capital Projects Manager Rick Sauerwein, WWTP Division Manager Bruce Keogh, City Legal Counsel John W. Fox, and City Manager David Buckingham.

COUNCIL AND BOARD ANNOUNCEMENTS

Mayor Pro Tem Christine Johnson announced that with Mayor Jamie Irons teleconferencing from a different location we would hold the Regular meeting and Special meeting concurrently. She formally opened the Special meeting. Mayor Pro Tem Johnson also announced that a roll call vote will be required on all action items, since the meetings were running concurrently; one roll call vote would suffice for both meetings.

PUBLIC COMMENT PERIOD

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President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

A. CONSENT CALENDAR

A-1 MINUTES OF SEPTEMBER 11, 2014 JPA MEETING

Recommendation: Approve as submitted

A-2 STATUS REPORT OF THE MAJOR REPAIR AND MAINTENANCE PLAN (MMRP) FOR THE WWTP

Recommendation: Receive and file

MORRO BAY MOTION: Noah Smukler moved to approve the Consent Calendar. George Leage seconded.

ROLL CALL VOTE: Smukler (yes), C. Johnson (yes), N. Johnson (yes), Leage (yes).

Motion passed **4-0**

Telecommunications with Mayor Irons had not been established at the time of the vote.

CAYUCOS MOTION: Dan Lloyd moved to approve the Consent Calendar in its entirety, Dan Chivens seconded.

ROLL CALL VOTE: Lloyd (yes), Enns (yes), Chivens (yes), Lyon (yes), Foster (yes).

Motion passed **5-0**

Bruce Keogh commented he had nothing further to add to his status report presented on the MMRP except to say that his crew is ecstatic that the influent screen project has been completed, the second screen was installed today and all that's left is a few punch list items.

C. NEW BUSINESS

C-1 REPORT BY THE MAYOR AND CAYUCOS SANITARY DISTRICT PRESIDENT ON THE OCTOBER 2, 2014 JPA TECHNICAL COMMITTEE MEETING

Recommendation: Receive and file

President Enns spoke about a conversation he and Mayor Irons had earlier in the day and they had agreed that both agencies must work together, be consistent with communication with each other and that Morro Bay would be the lead agency on the scope of work for the Carollo report. Enns touched on a couple talking points that were discussed between Mayor Irons and himself:

- Cayucos stressed that in a meeting with RWQCB last year, it was requested we, Morro Bay and Cayucos, look at a regional facility, we look 75 years out and that we consider the Rancho Colina site.

- The CMC site was discussed as far as benefits to the restoration of the Chorro Valley aquifer
- Costs of moving to CMC were discussed and it was agreed that we would focus on the reliability of the estimates that are out there.

Mayor Irons teleconferenced into the meeting at 6:13 p.m.

Mayor Irons acknowledged the talking points between himself and President Enns. He spoke of the 10/2/14 Technical Committee meeting, the relationship that would have to exist between the Cayucos Board and Morro Bay City Council especially with Morro Bay taking the lead role. Both the City and Cayucos had done their own analysis and studies and both had different methodology; it comes down to Morro Bay prefers the Rancho Colina site and Cayucos prefers the CMC site. Mayor Irons reiterated that direction needed to be given to the respective staffs to work collaboratively and cooperatively throughout the site selection process.

Rob Livick reported that the final scope of work with Carollo is complete and the kick-off meeting with Carollo is Oct 10th. Morro Bay will press Carollo to get the analysis rolling in order to obtain the information that's needed to make a decision at the November meeting. President Enns questioned the 45 day contract completion date for the preliminary report; stating it falls after the November City Council meeting. Livick said they will work with Carollo to expedite the process in order to facilitate accurate and timely information for that meeting. Livick concluded that more information on this will be reported in Item C-3.

Smukler stated the Technical Committee meeting was an important meeting that brought out the Cayucos goals and objectives along with the shared goals of both Morro Bay and Cayucos. He feels the logistic and bureaucratic hurdles of going to CMC need to be identified in order to do an accurate comparison of the two sites.

Nancy Johnson is concerned about the timeline of the reports, and decisions being made from preliminary information.

Christine Johnson appreciates the two boards coming together and discussing these issues. She also thanked the respective representatives from the Regional Water Quality Control Board (RWQCB) and the County, for taking the time and showing their interest by being here.

President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

Mayor Irons thanked the agencies for being present. He stated that as we get closer to the end of the analysis and are ready to make a decision on the site; it's imperative that we reach out and have open communications with these agencies. He asked that a motion be made by the Morro Bay City Council for staff to work cooperatively with Cayucos, share draft reports and findings and for Morro Bay to be the lead agency for the WRF studies.

Legal Counsel Carmel interjected that this item is a "Receive and File" item and no formal motion is required but a directive to staff is fine.

Mayor Irons wants the directive to come from the Council and the Board and not just the Technical Committee.

Smukler appreciates the intent of the directive and feels this would be more appropriate after Item C-3

C-2 PRESENTATION BY JOHN F. RICKENBACH CONSULTING ON THE PROJECT STATUS OF THE WATER RECLAMATION FACILITY

Recommendation: Receive and file

A presentation by John Rickenbach of John F. Rickenbach Consulting (JRF) provided an update of the ongoing efforts for the new WRF project including recapping the goals for the new facility, timelines of both past efforts and those going forward and current studies that are underway.

Rickenbach addressed the current CMC analysis underway and pointed out some of the key issues:

- Cost to expand the site for regional use
- Funding
- Permitting implications
- Potential water use benefits
- Logistics of a regional partnership
- Implications for Morro Bay ratepayers

Rickenbach concluded the presentation by stating that JFR would like to use all the assumptions from the CMC analysis and apply the same to the Rancho Colina site. He pointed out that the preliminary 5 year schedule developed by JFR has concurrent projects running throughout the schedule.

The Council and Board thanked Rickenbach for the presentation, for bringing Cayucos up to speed, and stated the timeline that's been laid out is crucial. They are looking forward to the completion of the studies and seeing the apples to apples comparisons.

President Enns opened Public Comment period. Hearing none.

President Enns closed Public Comment period.

There was concern expressed by Cayucos about not having the final Carollo report prior to the decision the City Council is prepared to make on site selection at the November 12 meeting. A thorough comparison of the two sites is crucial to making an informed decision. With Morro Bay leaning towards the Rancho Colina site and Cayucos leaning towards CMC, it's imperative that an adequate and thorough evaluation be completed prior to a decision.

Mayor Irons stated he feels Morro Bay has operated with thoroughness and diligence and the 5 year goal is an aggressive but realistic goal. He is pleased that from the past studies, we have come out of this with two viable sites. The citizens of Morro Bay need to recognize the process and why Morro Bay is entertaining the CMC site as an option. The City could have made the decision last year on their preferred site, but this is a partnership between the City and Cayucos, the separate paths that we both have gone down now need to come together for the final decision.

Smukler felt that having two great site options to choose from is an enviable situation to be in. He's not willing to frivolously throw out the timeline, and would like to see the November date be met so we can push forward. Smukler continued by requesting the Cayucos Board and staff tour the Rancho Colina site, as Morro Bay has done. He also feels it would be beneficial to our decision if we all could get a tour of the CMC plant.

Christine Johnson confirmed with Livick, that the California Coastal Commission has been kept informed during the new site selection process. She also stated that Morro Bay looks at the water situation quite differently than they did a couple years ago. Morro Bay is 98.5% reliant on State water; Cayucos doesn't have that same concern, so the need for reclamation and water diversity is of the utmost importance to Morro Bay.

C-3 OVERVIEW OF THE PARTNERSHIP ON CMC ALTERNATIVE ANALYSIS BY CAROLLO ENGINEERS

Recommendation: Council and District Board review and provide direction to staff for any future action resulting from the CMC analysis

Livick gave a brief overview of his staff report stating the CMC site is being evaluated as an alternative to the Rancho Colina site based on requests from Cayucos Sanitary District and the RWQCB. The study underway by Carollo is to provide an "apples to apples" comparison of the two sites, and bring the findings to the City Council on November 12.

Livick recapped the scope of work for the Carollo CMC analysis:

- Evaluate the existing capacity of the current plant
- Detailed analysis of the improvements that would be required to meet capacity for a regional facility
- Footprint and area of new facilities that would be needed for required capacity of a regional facility
- Cost estimates for construction of improvements
- Estimate of lifecycle cost for the regional facility
- Feasibility and cost of proposed pipelines and pump station(s) to convey raw wastewater from current site to CMC site
- Draft Technical Memorandum (TM) due in 45 days, Final TM due 60 days from 9/30/14 contract date

President Enns introduced Ken Harris, Executive Officer of the Central Coast Regional Water Quality Control Board. Mr. Harris pointed out that our site selection is something that we'll have to live with for a long time. He suggested we give ourselves adequate time to make the very best decision, even if it means pushing a date out a few weeks. Harris spoke on how the drought is driving groundwater management and recycled water is in everyone's future, not just purple pipe irrigation, but for drinking. Harris feels funding issues would be better addressed for a multi-community, regional project, and he urged the City of Morro Bay and Cayucos to talk to them when it comes to permitting and grant funding or low cost loans. The advantage the regional board has over local agencies is their access to State level agencies and contacts and their ability to make things happen in a relatively short period of time.

Christine Johnson asked Harris if he could give us insight as to a timeline or requirements for transfer of ownership of the CMC plant from the State to the County. Harris said he currently doesn't know the status of where the State stands; he is willing to commit to a phone call to get an update.

Smukler inquired on the State Water Board's ability to assist with some funding for the Carollo analysis. Harris explained that the CMC owes approximately \$500,000 in Mandatory Minimum Penalties and there is the ability to direct up to half of those funds to the CMC project. The Water Board is currently working to secure monies to help with the expense of the Carollo contract, which shouldn't be an issue and he'll get us an answer as soon as possible. Harris concluded by advising the City of Morro Bay and Cayucos on the value of our ocean outfall, and to not give it up.

Lloyd thanked Mr. Harris and voiced the fact that we need to enlist willing participants to move us forward, and he would appreciate Harris and the Water Board's assistance and direction.

President Enns introduced Jean-Pierre Wolff, Chairman of the Central Coast RWQCB who presented the opportunities he sees in front of us:

- Ability to leverage new technologies
- New tools and options i.e. groundwater direct injection for groundwater recharge
- Historic legislation changes that could benefit the project
- Financing and other opportunities for funding due to the unprecedented drought

Mr. Wolff echoed the sentiments of Mr. Harris regarding their willingness and eagerness to assist. He wants to put our timeline into perspective; we have a project that will last half a century (600 months). We only have one opportunity to do it right, what is one more month in relation to 600 months. The RWQCB is viewed as the regulators, Wolff commented, they also want to be known as facilitators.

Christine Johnson posed the question of Los Osos being the newest facility on the Central Coast. Was it run through the regional process and has it been considered as a regional facility. It sits right next door to Morro Bay and has the latest technology.

Mark Hutchinson, SLO County Deputy Director of Public Works for water, wastewater and environmental services, explained the County has no current position on regionalization; however, there are County districts that have blanket policies that address regionalization and allow this type of issue to be looked at. When Mr. Ogren was with the County, they got as far as presenting a formal proposal to the California Department of Corrections and Rehabilitation (CDCR) on moving forward with the CMC site. Hutchinson said the CDCR and Sacramento are currently fully engaged in water supply issues and there has been no movement on the County's proposal. Regarding the Los Osos facility, Harris stated Carollo had determined there was no benefit to Los Osos to join with Morro Bay or with CMC as a regional facility because they needed to bring 100% of the recycled water back to Los Osos.

President Enns thanked Mr. Hutchinson for his insight and reiterated that we really need to think regionally, not just for wastewater and CMC, but in terms of water supply and the ability to transfer water throughout the County.

President Enns opened Public Comment period.

- Ken Harris spoke on the cooperative efforts going on in Monterey and Salinas with recycling wastewater that was previously drained to into ditches. It will now be used for irrigation and introduced back into the ground to assist with halting saltwater intrusion. The Monterey plant is very progressive with not only treating wastewater, but reclamation and reuse of water. Whichever site we select; Harris suggested we make sure we can use 100% of the recycled water.
- David Buckingham said he was interested in seeing Rickenbach provide not only capital costs for both sites but long term operating costs especially as they relate to energy use and pumping costs. As far as the County and the Los Osos project, he found it very interesting that the County who has the best regional view came to a non-regional decision for the Los Osos plant.

- Ken Harris spoke on the long and colored history of the Los Osos project. When looking at Los Osos for regionalizing; it's very complicated and unique, not to mention the Los Osos basin which is experiencing severe seawater intrusion.

Hearing no further comments, President Enns closed Public Comment period.

There was discussion regarding any operating efficiencies that would come from regionalization, not creating our own colored past, fully analyzing the benefits to both the Chorro and the Morro Valleys, working with Carollo to get information in time for the November 12th meeting and sticking with the timeframe to get the site selection done and keep moving forward.

MORRO BAY MOTION: Noah Smukler moved to direct our staffs to work collaboratively with our potential regional partners and regulators to develop a comparative analysis of both options with the intent of review, discussion and a potential decision at the November 12th Council meeting and the November 13th JPA meeting. Mayor Irons seconded.

Legal Counsel Carmel stated that Staff set this up for direction, not action; so there is no formal motion.

Discussion ensued on the specific dates and actions stated in Smukler's motion.

Legal Counsel Fox stated his position is that the only way for Council to provide direction to staff is by way of a motion. Direction is action and the Council, should they so choose; can make and adopt a motion to direct staff to move forward.

Mayor Irons emphasized that at the JPA Technical Committee meeting there was a commitment by both Morro Bay and Cayucos to direct their staff to work collaboratively and cooperatively. Mayor Irons expects that President Enns will make the same motion on direction.

ROLL CALL VOTE: Smukler (yes), Irons (yes), C. Johnson (yes), Leage (no), N. Johnson (no).
Motion passed **3-2**

In keeping with the opinion of Legal Counsel Carmel, the Cayucos Board did not make a motion or vote; however they did reiterate the need to work collaboratively and cooperatively with all agencies involved.

C-4 SCHEDULE NEXT JOINT MEETING AND FUTURE AGENDA ITEMS

The next JPA meeting is scheduled for November 13, 2014 and will be hosted by The City of Morro Bay.

ADJOURNMENT

Mayor Pro Tem Johnson adjourned the special meeting at 8:56 pm.

Minutes Recorded by:
Anita Rebich, Cayucos Sanitary District

STAFF REPORT

CITY OF MORRO BAY-CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT (WWTP)

TO: Honorable Mayor and City Council, City of Morro Bay
Honorable President and Board of Directors, Cayucos Sanitary District

FROM: Bruce Keogh, Morro Bay Wastewater Division Manager

DATE: November 6, 2014

SUBJECT:

Status Report of a Major Maintenance & Repair Plan (MMRP) for the WWTP

RECOMMENDATION:

Morro Bay and Cayucos Sanitary District staffs recommend this report be received and filed.

FISCAL YEAR:

No fiscal impact at this time as a result of this report. Fiscal impact is addressed through the budget process.

BACKGROUND:

This staff report is intended to provide an update on the development of the MMRP for the WWTP. At the February 14, 2013, JPA meeting the Council and District Board approved the development of an MMRP and made the following motion:

- Direct staff to prepare a time sensitive and prioritized MMRP for the WWTP with an anticipated rolling 2 year budget;
- The JPA solicit proposals from a qualified firm, or firms, to provide technical advice and analysis on an as needed basis as determined by Morro Bay's Public Services Director and Cayucos Sanitary District Manager; and
- The Morro Bay Public Services Director and Cayucos Sanitary District Manager report back to the JPA on a semi-annual basis on the progress and costs associated with the MMRP.

Development of a MMRP will assist the City and District in projecting the budgeting of expenditures required to keep the current plant operating in compliance with regulatory requirements.

Staff's focus has continued to be on developing and implementing work on the MMRP projects approved for the FY14/15 budget. The adopted FY14/15 budget contains \$1.221M in funding MMRP projects. The funds represent new MMRP projects as well as roll over from the FY13/14 budget for the headworks screening project and chlorine contact tank repairs. Staff is continuing to develop and refine the implementation schedule for projects funded in the FY 14/15 budget. This staff report includes a status report on the on-going MMRP projects.

DISCUSSION

Digester #1 Repair

Plant staff began the first steps in the process of cleaning digester #1. They discovered that upon opening the digester, the amount of solids and debris within the digester was greater than anticipated. They have coordinated with the digester cleaning company to modify the scope of work to include additional cleaning time as well as dewatering of the solids and debris removed in the cleaning process. Dewatering is required as there is not enough space in the sludge drying beds to accommodate both the material from the digester and the solids generated from normal operations. After the digester is clean and empty, staff in coordination with Mike Nunley and Associates (MKN) will prepare plans and specifications for the sandblasting and coating of the digester. The goal is to have digester #1 back on-line prior to June 2015.

Headworks Influent Screening Project

The headworks influent screening project remains on schedule. The screens and associated equipment have been installed and are now operational. The Vulcan Factory representative was on-site for start-up of the equipment as well as staff training. Raminha Construction, Inc. has substantially completed the installation and is currently working to complete the punch list for any remaining items covered under their contract. The new influent screens have greatly reduced the amount of debris in the downstream plant processes. Plant staff is happy to report the screens are removing approximately two hundred pounds of rags, plastics, and debris on a daily basis.

During the month of October, Speiss Construction completed maintenance and repair activities on the jib crane at the headworks. The repairs included disassembly and inspection of the jib crane and coating of the crane components. In addition, staff from Kones Cranes installed a new hoist system and controls. The jib crane will be used to lift out the washed and compacted screenings from the lower headworks.

Chlorine Contact Basin Improvements

On October 24, plant staff received the required equipment to replace the head and idler shaft assemblies in the south portion of the chlorine contact tank. Staff has made arrangements with a contractor, for the installation of the shafts and associated equipment in early November. Plant staff will also be making minor repairs to other equipment within the tank when the tank is off-line. The work will require by-passing the chlorine contact for at most a twenty-four hour period. By-passing of the tank will result in an effluent violation and the associated minimum mandatory penalty of \$3,000. During the time period the tank is off-line, staff will chlorinate and disinfect the effluent, but will not be able to dechlorinate the effluent resulting in the violation. Both staff at the Regional Water Quality Control Board and the California Department of Health Shellfish Division have been notified of our repair plans and the intent to by-pass the chlorine contact tank.

CONCLUSION

Staff will continue to bring a status report on the development of the MMRP at future joint Council and District Board meetings.

STAFF REPORT

**CITY OF MORRO BAY-CAYUCOS SANITARY DISTRICT
WASTEWATER TREATMENT PLANT (WWTP)**

TO: Honorable Mayor and City Council, City of Morro Bay
Honorable President and Board of Directors, Cayucos Sanitary District

FROM: Bruce Keogh, Morro Bay Wastewater Division Manager

DATE: November 6, 2014

SUBJECT: WWTP Operations Report through September, 2014

RECOMMENDATION:

This Department recommends this report be received and filed.

FISCAL IMPACT:

None

SUMMARY:

Attached, find copies of the Morro Bay-Cayucos WWTP reports, for August and September 2014 and the WWTP flow summary, through September 2014. This information updates the item from the September 11, 2014 meeting.

The City of Morro Bay-Cayucos Sanitary District Wastewater Treatment Plant

MONTHLY OPERATIONS SUMMARY AUGUST 2014

Flow for the month of August averaged 0.930 Million Gallons per Day (MGD). Removal of suspended solids ranged from 90.8% to 94.7 % for the month, with an average removal of 93.0 % for the month. BOD removal ranged from 81.4 % to 88.9 % for the month, with an average removal of 86.0 % for the month. There was no rainfall for the month. For the month of August, the plant was in compliance with the discharge and receiving-water limitations specified in the NPDES discharge permit. Other than normal operations and maintenance, the following items are noteworthy:

During the month of August, staff continued work on the process for repairing, rehabilitating, and bringing digester #2 back to an operational status. Staff also has begun making preparations for taking digester #1 off-line for cleaning and repairs. Activities included:

- Plant staff discontinued the operation of the well pumps in three of the dewatering wells at the plant. They removed the well pumps and reinstalled them in the appropriate wells surrounding digester #1 which is scheduled to be cleaned and drained in late October. The wells will be used to lower the ground water levels around digester #1 while the tank is empty and repairs are performed upon that digester.
- During the month of August, staff continued with the process of bringing digester #2 on-line as an active primary digester. Staff increased the feeding of primary sludge to increase the biological activity within the digester. This process should take approximately six to eight weeks.
- Plant staff began making preliminary preparations for cleaning digester #1 in late October or early November. After the digester has been cleaned, plant staff and staff from Mike Nunley and Associates will evaluate the condition of the digester and make recommendations for sandblasting and coating of the interior of the digester and any other repairs required to bring the digester back on-line.

During August, the City and District continued with activities related to the procurement of new influent screens and a washer compactor unit at the headworks. The screens and associated equipment are on schedule for delivery on September 12. City and District staff anticipate a Notice to Proceed in September and completion of the project by November, 2014.

During the month of August, plant staff made arrangements with Speiss Construction for maintenance and repair services for the jib crane at the headworks. The repairs include disassembly and inspection of the jib crane and coating of the crane components. In addition, plant staff have made arrangements to replace the hoist on the crane with a new hoist system and controls.

On August 15, staff provided a purchase order to Case-Cotter for new head and idler shafts, sprockets, and wall mounted bearing assemblies for the chlorine contact tank chain and flight system. The new equipment will replace existing equipment within the chlorine contact tank. Plant staff are making arrangements to have a contractor install the new equipment during the month of October.

On August 5, staff completed the installation of new diffusers on the diffuser manifolds located in the solids contact channel in the secondary clarifier system. The final diffusers required the solids contact chamber to be drained in order for the diffusers to be removed. The solids contact channel was offline for approximately one hour.

On August 22, staff from Alpha Electric completed the installation of a new Opto 22 controller used to monitor the level within the influent channel and to control the variable frequency drives for the main influent pumps.

On August 21, staff replaced the supply side tubing and fittings on sodium hypochlorite pumps #1 and #3 used for disinfection of the effluent.

On August 27, staff from Alpha Electric discovered and repaired a burnt wire on grit pump #P2501.

During the month of August, staff ordered and received a new Return Activated Sludge (RAS) blower. The blower will be installed as time allows.

During the month of August, staff purchased and installed a new American Sigma SD 900 twenty-four hour composite sampler at the air relief structure to be used for effluent sampling. The existing sampler was transferred to the lower headworks and replaces an existing twenty-four hour composite sampler used to pull influent samples.

On August 6, staff replaced the packing and drive belts on the sludge recirculation pump for digester #3.

On August 12, staff from Altech Corrosion Control Service performed the annual inspection procedures of the plants cathodic protection system. They will provide a written report documenting any recommendations that should be performed in the future to keep the system operating efficiently.

On August 19, staff from Vortex Doors performed maintenance and repairs on the door hardware including handle and locks at the administration building.

On August 28, plant staff discovered and notified the Gas Company of a leak on the natural gas piping that feeds the natural gas manifold for the plant. Gas Company staff promptly repaired the leaking pipe.

No value was reported for the total coliform BacT test that was set up on August 22. Lab staff failed to transfer the positive presumptive tubes to the correct confirmation broth tubes in the prescribed time frame. The test results were not reported as the test procedure did not conform to the techniques described in the 22nd Edition of Standard Methods for the Examination of Water and Wastewater. Lab staff prepared a revised standard operating procedure (SOP) and all lab staff were required to review the revised SOP.

The following reports were submitted to the appropriate agencies:

- The Discharge Monitoring Forms (DMR) for July 2014

The following reports were submitted to the CIWQS electronic reporting system:

- The July 2014 Monthly Monitoring Data

On August 19, staff from WesTech toured the plant. They inspected the primary clarifiers and will provide plant staff with concepts for repairs of the equipment within the clarifiers.

The National Estuary Program Volunteer Monitoring Program continued analysis of bacterial samples collected from throughout the watershed in the laboratory at the plant. The volunteers are using space provided in the lab by plant staff.

The permanent household hazardous waste collection facility (PHHWCF) at the plant continued to be well used by the public. Between twenty and fifty participants are using the facility each Saturday.

The City of Morro Bay-Cayucos Sanitary District Wastewater Treatment Plant

MONTHLY OPERATIONS SUMMARY SEPTEMBER 2014

Flow for the month of September averaged 0.859 Million Gallons per Day (MGD). Removal of suspended solids ranged from 89.0% to 98.1 % for the month, with an average removal of 94.6 % for the month. BOD removal ranged from 75.9 % to 94.3 % for the month, with an average removal of 85.0 % for the month. There was no rainfall for the month. For the month of September, the plant was in compliance with the discharge and receiving-water limitations specified in the NPDES discharge permit. Other than normal operations and maintenance, the following items are noteworthy:

During the month of September, staff completed work necessary to bring digester #2 back to an operational status. Staff shifted their focus to making preparations for taking digester #1 off-line for cleaning and repairs. Activities included:

- Continued operation of the well pumps in two of the dewatering wells at the plant. The wells lower the ground water levels around digester #1 while repairs are performed upon the digester.
- Plant staff began making preliminary preparations for cleaning digester #1 in November. After the digester has been cleaned, plant staff and staff from Mike Nunley and Associates will evaluate the condition of the digester and make recommendations for sandblasting and coating of the interior of the digester and any other repairs required to bring the digester back on-line.

During September, the City and District continued with activities related to the procurement and installation of new influent screens and a washer compactor unit at the headworks. City staff provided a Notice to Proceed to Raminha Construction on September 3. Raminha was on-site on September 8 performing demolition and preparatory work for installing the first screen in the north influent channel. Raminha completed the installation of the influent screen in the north influent channel, and the Vulcan factory representative was on-site on September 30 to inspect the equipment, perform the startup-procedures, and train staff on the screens and washer compactor. The influent screen in the north channel was put on-line and operational on September 30. Raminha began removal of the muffin monster in the south influent channel and expects the second screen to be installed and operational by the middle of October. Staff has already seen a noticeable difference in the reduction in rags and debris in the primary clarifiers.

During the month of September, Speiss Construction performed repairs on the jib crane at the headworks. The repairs include disassembly, inspection, repairs, and coating of the jib crane. On September 23 following the reassembly of the crane, staff from Kones cranes installed a new hoist system and controls and loaded tested the crane. The jib crane will be used to lift the screened material out of the headworks and into a dumpster for disposal.

During the month of September, staff continued with arrangements to schedule a contractor to install new head and idler shafts, sprockets, and wall mounted bearing assemblies for the chlorine contact tank chain and flight system. The equipment will be provided by CaseCotter. The new equipment will replace existing equipment within the chlorine contact tank. The current project schedule calls for the contractor to install the new equipment during the month of November. The schedule may be delayed slightly depending on when the equipment arrives on site and a good weather window can be coordinated with the contractor's schedule

On September 2, 3, and 4, 269.7 wet tons (or 173.7 dry metric tons) of biosolids were hauled to McCarthy Farms, Inc., San Joaquin Compost Center in Lost Hills California. The biosolids will be composted and after composting will be used for soil amendment. Plant staff provided a copy of the Residual Biosolids Chemical Analysis conducted in

August and Title 22 Certification for Non-hazardous Material prior to hauling. There are no biosolids in storage at the plant.

On September 24, staff from Coastline Equipment completed repairs and replacement of the cabin air fan motor and switch on the front end loader.

On September 18, staff replaced a faulty fuel nozzle on the diesel fuel storage tank used to fuel the front end loader.

On September 29, staff from AMI Pipe installed new oxygen sensors on the atmospheric gas monitoring system at the headworks. They also replaced the oxygen sensor in the handheld MX-4 atmospheric gas monitor.

On September 3, staff from Alpha Electric replaced the Ground Fault Interrupter (GFI) breaker that provides power to the sump pumps used to supply sample to the Wallace&Tiernan Total Chlorine Residual Analyzers, and the sodium hypochlorite and sodium bisulfite chemical dosing pumps.

On August 21, staff replaced the supply side tubing and fittings on sodium hypochlorite pumps #1 and #3 used for disinfection of the effluent.

On September 12, staff from Vortex Doors completed the maintenance and repair procedures on the door hardware including handle and locks at the administration building and Motor Control Center B.

The twenty-four hour flow total reported for September 23 was based on the twenty-four hour flow totals recorded on the effluent flow meter that was adjusted using the equation contained in the Recommendations Section of the 2013 Annual Report (page 5-8). The equation is: Estimated Influent = 0.748 * effluent. The errant flow total recorded on September 23 was due to construction related activities associated with installation of the new influent bar screens. Staff closed the main gate for approximately thirty minutes (1050 to 1120 hours) so the contractor could install equipment within the influent channel. The main gate closure caused the influent to stack in the influent trunk line resulting in the flume surcharging and recording an erroneous flow total.

On September 23, the influent flow meter recorded a twenty-four hour flow total of 1.302 million gallons. The effluent meter recorded a twenty-four hour flow total of 1.015 million gallons. The twenty-four hour flow total for September 23 was calculated as: $0.748 * 1.015 = 0.759$ million gallons.

On September 9, at 0529 hours, staff responded to a high chlorine residual alarm at the plant. They noted that the alarm had cleared upon their arrival at the plant. They performed a detailed inspection and no other problems were noted. Staff noted that the change in the alarm set point for the chlorine residual alarm was effective in prompting a quick response time.

The following reports were submitted to the appropriate agencies:

- The Discharge Monitoring Forms (DMR) for August 2014

The following reports were submitted to the CIWQS electronic reporting system:

- The August 2014 Monthly Monitoring Data

On September 19, the operations staff from the Pismo Beach WWTP toured the plant. They were interested in the installation of the new influent screens at the headworks.

The National Estuary Program Volunteer Monitoring Program continued analysis of bacterial samples collected from throughout the watershed in the laboratory at the plant. The volunteers are using space provided in the lab by plant staff.

The permanent household hazardous waste collection facility (PHHWCF) at the plant continued to be well used by the public. Between twenty and fifty participants are using the facility each Saturday. During the month of September, staff from the PHHWCF performed annual maintenance on the facility.

2012	Total Plant Flow		Cayucos Flow Total			Morro Bay Flow Total			# of days	Dates
	Total Flow	Daily Flow	Total Flow	Daily Flow	%	Total Flow	Daily Flow	%		
JAN	34.443	1.111	7.444	0.240	21.6%	26.999	0.871	78.4%	31	Jan 1-Jan 31, 2012
FEB	30.478	1.051	6.440	0.222	21.1%	24.038	0.829	78.9%	29	Feb 1-Feb 29, 2012
MAR	33.971	1.096	7.711	0.249	22.7%	26.260	0.847	77.3%	31	March 1 - 31, 2012
APR	35.523	1.184	8.573	0.286	24.1%	26.950	0.898	75.9%	30	April 1 - April 30, 2012
MAY	33.393	1.077	7.390	0.238	22.1%	26.003	0.839	77.9%	31	May 1 - 31, 2012
JUNE	40.101	1.337	7.687	0.256	19.2%	32.414	1.080	80.8%	30	June 1-30, 2012
JULY	46.989	1.516	9.832	0.317	20.9%	37.157	1.199	79.1%	31	July 1-31, 2012
AUG	34.343	1.108	8.191	0.264	23.9%	26.152	0.844	76.1%	31	August 1-31, 2012
SEPT	28.167	0.939	6.825	0.228	24.2%	21.342	0.711	75.8%	30	September 1-30, 2012
OCT	27.793	0.897	6.788	0.219	24.4%	21.005	0.678	75.6%	31	October 1-31, 2012
NOV	26.892	0.896	6.295	0.210	23.4%	20.597	0.687	76.6%	30	November 1-30, 2012
DEC	29.608	0.955	8.023	0.259	27.1%	21.585	0.696	72.9%	31	December 1-31, 2012
ANNUAL AVERAGES	33.475	1.097	7.600	0.249	22.9%	25.875	0.848	77.1%		
2013	Total Flow	Daily Flow	Total Flow	Daily Flow	%	Total Flow	Daily Flow	%	# of days	Dates
JAN	31.654	1.021	8.141	0.263	25.7%	23.513	0.758	74.3%	31	Jan 1-Jan 31, 2013
FEB	27.890	0.962	6.431	0.222	23.1%	21.459	0.740	76.9%	29	Feb 1-Feb 29, 2013
MAR	30.827	0.994	7.341	0.237	23.8%	23.486	0.758	76.2%	31	March 1 - 31, 2013
APR	28.201	0.940	7.122	0.237	25.3%	21.079	0.703	74.7%	30	April 1 - April 30, 2013
MAY	28.627	0.923	6.310	0.204	22.0%	22.317	0.720	78.0%	31	May 1 - 31, 2013
JUNE	29.489	0.983	6.493	0.216	22.0%	22.996	0.767	78.0%	30	June 1-30, 2013
JULY	34.606	1.116	10.289	0.332	29.7%	24.317	0.784	70.3%	31	July 1-31, 2013
AUG	30.808	0.994	8.119	0.262	26.4%	22.689	0.732	73.6%	31	August 1-31, 2013
SEPT	27.756	0.925	6.769	0.226	24.4%	20.987	0.700	75.6%	30	September 1-30, 2013
OCT	27.480	0.886	6.529	0.211	23.8%	20.951	0.676	76.2%	31	October 1-31, 2013
NOV	27.351	0.912	6.628	0.221	24.2%	20.723	0.691	75.8%	30	November 1-30, 2013
DEC	27.685	0.893	6.340	0.205	22.9%	21.345	0.689	77.1%	31	December 1-31, 2013
ANNUAL AVERAGES	29.365	0.963	7.209	0.236	24.4%	22.155	0.726	75.6%		
2014	Total Flow	Daily Flow	Total Flow	Daily Flow	%	Total Flow	Daily Flow	%	# of days	Dates
JAN	27.535	0.888	6.380	0.206	23.2%	21.155	0.682	76.8%	31	Jan 1-Jan 31, 2013
FEB	25.884	0.893	6.560	0.226	25.3%	19.324	0.666	74.7%	29	Feb 1-Feb 29, 2013
MAR	27.825	0.898	7.020	0.226	25.2%	20.805	0.671	74.8%	31	March 1 - 31, 2013
APR	27.489	0.916	6.733	0.224	24.5%	20.756	0.692	75.5%	30	April 1 - April 30, 2013
MAY	28.532	0.920	6.369	0.205	22.3%	22.163	0.715	77.7%	31	May 1 - 31, 2013
JUNE	29.581	0.986	6.520	0.217	22.0%	23.061	0.769	78.0%	30	June 1-30, 2013
JULY	34.093	1.100	8.565	0.276	25.1%	25.528	0.823	74.9%	31	July 1-31, 2013
AUG	28.821	0.930	6.987	0.225	24.2%	21.834	0.704	75.8%	31	August 1-31, 2013
SEPT	25.770	0.859	5.546	0.185	21.5%	20.224	0.674	78.5%	30	September 1-30, 2013
OCT		0.000		0.000	#DIV/0!	0.000	0.000	#DIV/0!	31	October 1-31, 2013
NOV		0.000		0.000	#DIV/0!	0.000	0.000	#DIV/0!	30	November 1-30, 2013
DEC		0.000		0.000	#DIV/0!	0.000	0.000	#DIV/0!	31	December 1-31, 2013

STAFF REPORT

MORRO BAY-CAYUCOS J.P.A. WASTEWATER TREATMENT PLANT

To: Honorable Mayor and City Council, City of Morro Bay
Honorable President and Board of Directors, Cayucos Sanitary District

From: Rick Koon, General Manager, Cayucos Sanitary District

Date: November 5, 2014

Subject: Report on Status of CMC Alternative Capacity Analysis By Carollo Engineers

Recommendation:

Staff recommends that the Council and District Board review and provide direction to staff for any future action resulting from the Carollo CMC analysis.

Background:

At the October 9, 2014 Joint Powers Agreement parties meeting, the Council and Board considered item C-3, the Overview of the Partnership on the California Men's Colony (CMC) Alternative Analysis by Carollo Engineers ("Carollo CMC Report"). The staff report explained that the City is currently on a parallel path of evaluating and comparing the Rancho Colina site in the Morro Valley and the CMC site in the Chorro Valley: "The alternatives evaluation process is designed to achieve an 'apples to apples' comparison of the two sites so the City and the CSD can make a site selection and begin the next phases of the project." The City entered into a contract with Carollo Engineers on September 30, 2014. At an October 2, 2014 JPA Technical Committee meeting, it was agreed to move forward expeditiously on the CMC evaluation. The Technical Committee also found that the Carollo CMC Report was necessary to reach sound conclusions regarding the feasibility of pursuing the CMC site alternative location.

Discussion:

Although Carollo has provided brief periodic updates and information to City and District staff, as of November 5, 2014, the date this report was submitted, there is no draft Carollo CMC Report to allow a meaningful "apples to apples" comparison of the CMC and Morro Valley site alternatives. It is anticipated the draft Carollo CMC Report will be available on or about November 21st, and a final report approximately seventeen (17) days later (December 8, 2014). It is recommended that any City or District action on a final site selection be deferred until the final Carollo CMC Report is available.

STAFF REPORT

CITY OF MORRO BAY-CAYUCOS SANITARY DISTRICT WASTEWATER TREATMENT PLANT (WWTP)

TO: Honorable Mayor and City Council, City of Morro Bay
Honorable President and Board of Directors, Cayucos Sanitary District

FROM: Rob Livick, PE/PLS - Public Services Director/City Engineer

DATE: November 10, 2014

SUBJECT: Review of City Council Discussion and Action on Final Site Selection of the Water Reclamation Facility

RECOMMENDATION

Council and District Board review and provide direction to staff for any future action resulting from the final site selection, including impact on CMC site option.

FISCAL IMPACT

None.

SUMMARY

The City Council agenda for the November 12, 2014 Morro Bay City Council meeting contained the following agenda item and recommendation (Item C-1 on the Council agenda): *Review of Report for New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs Rancho Colina by John F. Rickenbach Consulting and adopt Resolution 77-14 Stating Preference for New WRF Site Selection.*

The Council and City staff will provide a status report to the Cayucos Sanitary District Board and the general public on the discussion and any action taken on this agenda item at the November 12 Council meeting.

A copy of the staff report presented at the November 12 Council meeting is included as an attachment to this report.



AGENDA NO: C-1

MEETING DATE: November 12, 2014

Staff Report

TO: Honorable Mayor and City Council DATE: November 7, 2014

FROM: Rob Livick, PE/PLS - Public Services Director/City Engineer

SUBJECT: Review of Report for New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs. Rancho Colina by John F Rickenbach Consulting and Adoption of Resolution 77-14 stating preference for New WRF site location.

RECOMMENDATION

Staff recommends the Council review the report, take public comment and provide any direction to staff; then continue this item to the December 9, 2014 meeting to take final action including the adoption of Resolution 77-14, modified as necessary to reflect the additional information, received regarding site preference.

ALTERNATIVES

1. Based on the information available, make the final site preference selection to locate the new WRF at the Rancho Colina site by adopting Resolution 77-14 as presented.
2. Based on the information available, make the final site preference selection to locate the new "regional" Wastewater Treatment Plant at the CMC site, and direct staff to begin work on the required draft agreements needed to secure the site as a viable location to treat and dispose of Morro Bay's wastewater; and direct staff to bring back a modified Resolution for approval.

BACKGROUND/DISCUSSION

The attached report from John F Rickenbach (JFR) Consulting is an evaluation of the Regional CMC Facility vs Rancho Colina sites. Details relating to cost and design based on Carollo Engineers' detailed evaluation of the CMC site are not yet available; however, other factors influencing the decision regarding site selection have been detailed in the report. A contract with Carollo Engineers was executed on September 30, 2014 followed by a project kick off meeting that was held with Carollo, City and CSD staff along with the City's consultants, Rickenbach and Nunley in attendance. At the kick off meeting, schedule and data needs were discussed. Among the data needs for Carollo to evaluate the existing excess capacity in the existing CMC WWTP was process data from the operator of the CMC WWTP. On October 20, 2014, the Headquarters staff from the California Department of Corrections and Rehabilitation (CDCR) convened a conference call with

Prepared by: RL Dept. Review: RL

City Manager Review: _____

City Attorney's Review: _____

City, CSD, and Regional Board staff to discuss the CMC option and the institutional issues with a regional facility. Also at that meeting, CDCR staff verbally authorized the release of the CMC WWTP process data to Carollo Engineers. Progress updates from Carollo will be transmitted to the City and CSD for their review as their analysis proceeds.

Preliminary information from Carollo Engineers indicates the following:

- Existing WWTP does not have sufficient capacity for either Morro Bay or Cayucos while still accommodating the existing contractual obligations.
- Significant upgrades will be required at the existing facility including two to three additional oxidation ditches and clarifiers.
- Doubling of the Tertiary Filtration and UV disinfection systems will be required.
- The existing improved site may not accommodate the improvements.
- Solids dewatering could remain the same with operational changes; further analysis is required.

The Water Reclamation Facility Citizens Advisory Committee (WRFCAC) met on November 5, 2014, for a presentation of the draft and incomplete report for the New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs. Rancho Colina by John F Rickenbach Consulting. The WRFCAC recommends the City Council delay their decision on the site preference until the complete report is available and the WRFCAC has had an opportunity to review and make their final recommendations to the City Council. Staff anticipates by holding a special WRFCAC meeting on December 3, 2014; this will allow the WRFCAC recommendation on site preference be transmitted to City Council prior to the December 9, 2014 meeting. WRFCAC also opined, with the City Council making the final site preference decision at the December 9, 2014 meeting, it would allow the new City Councilmembers to express their positions on site selection.

As part of its December 2013 and May 2014 site recommendations, the City Council acknowledged the possible merit of pursuing a regional facility which could serve multiple agencies, citing the potential benefits of sharing the cost of construction, operation and maintenance with partner agencies, should a suitable working framework be established.

The report also draws on information previously developed in support of the City's December 2013 Options Report, which did not analyze a regional facility at CMC, but examined a City only facility at that location. The new report considers the possible benefits of cost sharing among agencies at a regional facility, and compares other key issues, including reclamation potential, possible benefits to the City's water supply, logistical challenges, and permitting considerations.

CONCLUSIONS

While the JFR report makes a compelling argument that the optimal site for the benefit of Morro Bay, and our CSD partners, is the Rancho Colina site; staff opines that the Council should continue this item until the Carollo work product is complete in order to have a

complete picture regarding site selection. This opinion is consistent with the recommendations adopted by the WRFCAC at their November 5, 2014 meeting.

ATTACHMENTS

1. [Report](#) from JFR dated November 7, 2014.
2. Letter form WRFCAC Chairman, John Diodati dated November 7, 2014
3. Technical Memoranda from MKN Associates dated November 6, 2014

RESOLUTION NO. 77-14

**A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF MORRO BAY, CALIFORNIA,
REGARDING THE LOCATION PREFERENCE FOR THE SITING OF A NEW
WATER RECLAMATION FACILITY**

THE CITY COUNCIL
City of Morro Bay, California

WHEREAS, the City of Morro Bay has an existing Wastewater Treatment Plant that requires replacement; and

WHEREAS, it has been determined to be in the best interest of Morro Bay to construct a new Water Reclamation Facility that complies with the January 8, 2013 California Coastal Commission's actions; and

WHEREAS, it is in the best financial interest of the community to minimize the major maintenance and repair costs at the existing wastewater treatment plant; and

WHEREAS, on February 25, 2014, the City Council resolved to have a new Water Reclamation Facility operational prior to the expiration of the discharge permit for the existing wastewater treatment plant, being five years more or less; and

WHEREAS, on May 13, 2014, the City Council reviewed the report from John F. Rickenbach Consulting (JFR) regarding recommended Water Reclamation Facility (WRF) sites and reclamation; and

WHEREAS, on November 12, 2014, the City Council reviewed the report from JFR Consulting entitled of *Report for New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs. Rancho Colina*; and

WHEREAS, the Comparative Site Analysis Report is incomplete and lacks some technical information regarding the preliminary design for both the CMC and Rancho Colina facilities due to Carollo Engineering report not yet being available; and

WHEREAS, at their November 5, 2014 meeting, the City's Water Reclamation Facility Citizens Advisory Committee (WRFCAC) recommended the City Council delay their decision regarding site selection until after the report from Carollo Engineering is complete and the WRFCAC can make a recommendation to the City Council; and

WHEREAS, the JFR Consulting report makes a compelling argument the optimal site, for the benefit of Morro Bay, is the Rancho Colina site; without the Carollo Engineering work product.

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Morro Bay, California, as follows:

SECTION 1: The City Council provides the following direction to City staff:

- A. The City Council has reviewed the report entitled *Report for New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs. Rancho Colina* dated November 7, 2014 and accepts its conclusions and recommendations.
- B. Begin the Facilities Master Planning and Environmental Review to construct a Water Reclamation Facility at the Rancho Colina site in accordance with the Five-Year schedule previously adopted.

PASSED, APPROVED, AND ADOPTED, by the City of Morro Bay City Council, at a regular meeting held on this 12th day of November, 2014 by the following vote:

AYES:

NOES:

ABSENT:

Jamie L. Irons, Mayor

ATTEST:

Jamie Boucher, City Clerk

Attachment 1

Link to [Report from JFR dated November 7, 2014](http://www.morro-bay.ca.us/JFRreport)
(www.morro-bay.ca.us/JFRreport)



City of Morro Bay

Morro Bay, CA 93442

(805) 772-6200

www.morro-bay.ca.us

November 7, 2014

Mayor Irons

Mayor Pro Tem Johnson

Councilpersons: Smukler, Leage and Johnson

C/O Jamie Boucher, City Clerk

595 Harbor St

Morro Bay CA 93442

Dear Honorable Mayor and Council:

As the Chairman of the Morro Bay Water Reclamation Facility Citizens Advisory Committee (WRFCAC) I was authorized to transmit to you the recommendation of the WRFCAC regarding your upcoming decision for the WRF siting preference.

The WRFCAC was able to receive the presentation by staff and John F. Rickenbach Consulting regarding Item C-2 on the November 5, 2014 WRFCAC agenda: *Presentation of City of Morro Bay New Water Reclamation Facility Project Comparative Site Analysis: Regional CMC Facility vs. Rancho Colina*. It is clear that the report is not yet complete since it is lacking the CMC engineering analysis and cost comparisons to the Rancho Colina site.

Based on information presented during item C-2 and the discussion that followed it became apparent that the siting decision is premature. Therefore, by unanimous vote (complete motion included below) of those committee members present (Steve Shively was absent), the WRFCAC recommends that the City Council take the following action:

1. Do not make a final decision on November 12, 2014 and instead defer the decision regarding the preferred site location until the WRFCAC can review the complete siting report and make a fully informed recommendation to City Council.
2. Direct staff to prepare final reports for a tentatively scheduled WRFCAC meeting on December 3, 2014.
3. Reschedule the City Council meeting for final review on or after December 9, 2014 so that the incoming Councilmembers are included in the deliberation and final decision.

FINANCE
595 Harbor Street

ADMINISTRATION
595 Harbor Street

FIRE DEPT.
715 Harbor Street

PUBLIC SERVICES
955 Shasta Avenue

HARBOR DEPT.
1275 Embarcadero Road

CITY ATTORNEY
595 Harbor Street

POLICE DEPT.
870 Morro Bay Boulevard

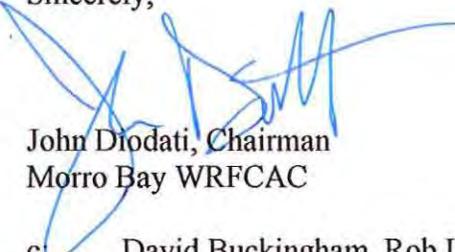
RECREATION & PARKS
1001 Kennedy Way

November 7, 2014
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The WRCCAC understands this is a difficult and vital decision to the future of the City and believes that complete information is required to make that decision. In order to accommodate these recommendations, the WRFCAC tentatively scheduled a meeting on Wednesday, December 3, 2014.

I anticipate I will be available and at the November 12, 2014 City Council meeting, should you have any questions.

Sincerely,



John Diodati, Chairman
Morro Bay WRFCAC

c. David Buckingham, Rob Livick, Jamie Boucher



ATTACHMENT 3
P.O. Box 1604
Arroyo Grande CA 93421
805 904 6530
www.mknassociates.us

MEMORANDUM

To: John Rickenbach, JFR Consulting; Rob Livick, Rick Sauerwein, and Bruce Keogh, City of Morro Bay; Rick Koon, Cayucos Sanitary District

From: Michael Nunley, PE

Date: 11/6/2014

Re: Morro Bay WRF – CMC Capacity Evaluation

Eric Casares, Carollo Engineers' lead project engineer for the California Men's Colony (CMC) Capacity Evaluation, provided the following update:

- Carollo is awaiting the data necessary to complete calibration of their model of the existing treatment plant process. However, sufficient data has been provided to allow for an initial analysis of the capacity of the existing facility.
- Based on this analysis, they have concluded that there is not sufficient capacity in the existing oxidation ditches (two units), secondary clarifiers (two units), tertiary filtration (8 units), or ultraviolet (UV) disinfection system to accommodate flows from the City of Morro Bay and Cayucos Sanitary District. The plant's contractual commitments and current flows will not leave enough capacity to accommodate either the City or District.
- At this time, Carollo has concluded that new oxidation ditches (two or three comparable to the current size), new clarifiers (two or three comparable to the current size), and at a minimum a doubling of the tertiary filters and UV disinfection system will be required. It is unclear at this time if the current site can accommodate these new facilities or if the facility would need to expand outside the current site. Site piping, earthwork, and supporting facilities will also be required.
- The solids dewatering system (centrifuges) has not yet been analyzed. Opportunities may be available to extend the processing time in order to minimize the number of new centrifuges that may be required.