

**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
George Leage, Vice-Mayor
Christine Johnson, Councilmember
Nancy Johnson, Councilmember
Noah Smukler, Councilmember

AGENDA

MEETING DATE:

6:00 p.m., Thursday, September 12, 2013

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 JPA 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 JUNE 13, 2013 JPA MEETING

Recommendation: Approve as submitted

A-2 WWTP OPERATIONS REPORT THROUGH JULY, 2013

Recommendation: Receive and file

A-3 STATUS REPORT ON THE NPDES PERMIT RENEWAL PROCESS

Recommendation: Receive and file

B. OLD BUSINESS

B-1 STATUS REPORT OF THE MAJOR REPAIR AND MAINTENANCE PLAN (MMRP) FOR THE WWTP

Recommendation: Receive and file

C. NEW BUSINESS

C-1 VERBAL REPORT BY THE CITY AND DISTRICT ON THE PROGRESS OF THE FUTURE WWTP

C-2 SCHEDULE NEXT JOINT MEETING AND 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
Shirley Lyon, Director
Michael Foster, Director
Dan Lloyd, Director

CITY OF MORRO BAY CITY COUNCIL
MEMBERS:

Jamie Irons, Mayor
George Leage, Vice-Mayor
Nancy Johnson, Councilmember
Christine Johnson, Councilmember
Noah Smukler, Councilmember

MEETING DATE:
6:00 p.m., Thursday, June 13, 2013

HOSTED BY:
Cayucos Sanitary District

MEETING PLACE:
Cayucos Veterans Hall
10 Cayucos Drive
Cayucos, CA 93430

CALL TO ORDER AND ROLL CALL

President Enns called the meeting to order at 6:03 p.m.

Morro Bay City Council members present were Mayor Irons, Vice-Mayor George Leage, Council-members, Nancy Johnson, Noah Smukler and Christine Johnson.

Cayucos Sanitary District Board members present were President Robert Enns, Vice-President Dan Chivens, Directors Shirley Lyon, Director Foster (arrived at 6:08 pm), and Director Dan Lloyd (arrived at 6:12pm).

Morro Bay Staff members present were Bruce Keogh, Rob Livick, Andrea Lueker, and Susan Slayton

Cayucos staff members present were District Council Tim Carmel, Rick Koon, and Danielle Crawford

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 JPA meetings is welcome and your courtesy will be appreciated.

President Enns opened Public Comment.

- Richard Sadowski – Morro Bay. Referred to articles in SLO Coast Journal regarding the Joint Powers Agreement. Richard stated there are some key issues that need to be addressed, such as the significance of Cayucos' dedicated line discharge and reevaluating the JPA. We need a JPA that is current before having another meeting, otherwise it is just a waste of time and public funds.
- Marla Jo Bruton – North Morro Bay. Her understanding is that around 1982, when the JPA was written, it was a settlement for litigation, and because has been 30 years, she feels the litigation should be settled by now so “why is it pointed out in the JPA that no one working with the Morro Bay Waste Water Treatment Plant, having anything to do with that plant, has to be approved by Cayucos before they are hired by Morro Bay?”

Hearing no further comments President Enns closed Public Comment.

A. CONSENT CALENDAR

1. MINUTES OF MAY 9, 2013 JPA MEETING – Recommend approve as submitted.
2. WWTP OPERATIONS REPORT THROUGH APRIL, 2013 – Recommend receive and file.
3. STATUS REPORT OF THE MAJOR REPAIR AND MAINTENANCE PLAN (MMRP) FOR THE WWTP – Recommend receive and file.
4. 2011/12 COMPONENT UNIT AUDIT – CONSTRUCTION IN PROGRESS – Recommend receive and file.

Councilmember Smukler requested Agenda Item A-3 be pulled for separate discussion.

MORRO BAY MOTION: Mayor Irons made a motion to approve Consent Calendar Items A-1, A-2 and A-4. Councilmember Christine Johnson seconded. Motion passed (5-0).

CAYUCOS MOTION: Vice-President Chivens made a motion to approve Consent Calendar Items A-1, A-2 and A-4. Director Lloyd seconded. Motion passed (5-0).

Smukler said he pulled A-3 to give Keogh a chance to review some of the experience he has had touring different plants around the state.

Keogh mentioned some of the plants they toured were Paso Robles WWTP, City of San Luis Obispo, Thousand Oaks WWTP, and Carpinteria WWTP. He discussed several reasons for touring the different plants; such as to evaluate the various treatment processes, equipment alternatives, and to mine the experience of other operators. Keogh said they plan to do more tours as they get farther into some of their other projects.

President Enns opened Public Comment.

- Betty Winholtz – Morro Bay. Questioned Keogh on Item A-2 (pg 2 & 3) asking if there has been some resolve in May referring to 2 pieces of equipment, one for sludge (digester #2) and the other for the main breaker, noting that identical information is listed in both his March and April reports. She also commented on Item A-4, saying “if this Board cannot get a plan in place in the next 2 years by stepping outside of the box rather than doing the traditional thing of going through all of these experiments and looking at this and this and this and still looking at this same old plant you guys aren’t doing, you’re not worth your salt, you’re not doing your job”.
- Marla Jo Bruton – North Morro Bay. Commented that she hopes if Keogh is planning more tours, he will tour plants that are not being updated with old technology. She said that it appears more attention is being put on updating a plant that has been determined not updatable.

Hearing no further comments President Enns closed Public Comment.

MORRO BAY MOTION: Mayor Irons made a motion to approve Consent Calendar Item A-3. Councilmember Smukler seconded. Motion passed (5-0).

CAYUCOS MOTION: Director Foster made a motion to approve Consent Calendar Item A-3. Director Lyon seconded. Motion passed (5-0).

B. OLD BUSINESS

None

C. NEW BUSINESS

1. CONSIDERATION TO ADOPT FISCAL YEAR 2013/2014 WWTP BUDGET – Recommend that the Board of directors of the Cayucos Sanitary District approve the FY 2013/2014 budget.

Susan Slayton briefly went over her staff report highlighting some additions and corrections that have been made. Such as \$24,300.00 that WWTP staff recommended be added to the budget and split amongst line items 5504, 6601, 5215, & 5301, and also \$1,040,00.00 for capital outlay that was not originally in the proposed budget.

Much discussion continued amongst the panel regarding clarification on budget concerns and appropriateness of a “mixed motion”. Carmel explained that the Board can defer consideration of such items.

Enns asked Keogh to clarify if this budget is mainly for a new plant, or for the MMRP? Says he wants more information before approving the \$1.04 million. Posed the question, are we going to “band aid” this plant? Will we be spending a million dollars per year on a plant that we are just going to demo?

Lloyd asked if Morro Bay can approve and then go back later.

Irons asked if Cayucos’ vision and concerns with the budget amounts are grossly off from where the numbers are at now.

Enns would like discussion on this topic at the next meeting.

Smukler would like specifics as to what Cayucos has questions on and wants discussion at this meeting.

Foster pointed out one of his concerns relating to an operating expense. He referred to the \$169k for earthquake/flood insurance based on \$34 million plant value with a 5% deductible, wants independent review.

Smukler stated that he would like more details of Cayucos' concerns and reiterated that he would like the dialogue to happen at this meeting.

Irons asked Cayucos if MB needs to "tweak" their numbers, or is CSD not in favor of MMRP in its entirety.

Enns gave a couple of examples of his concerns with some of the line items but did not want to go into detail during this JPA.

Lloyd stated that the CSD has been willfully involved and "on board" but feels unprepared to make decision or discuss right now.

Irons asked Keogh to elaborate on the MMRP and address some of the questions that have been raised thus far.

Keogh discussed MMR logistics and stated the MMRP is intended to keep the plant functional for 2-7 years. He explained there was nothing added to the budget this fiscal year for any electrical upgrades, clarifiers, digesters, or structural integrity. Keogh stated his objective is to try to not spend an undue amount of money on the maintenance, and he hopes to refine projects and numbers as they move forward.

Lloyd appreciated Keogh's comments and asked MB to be patient with CSD while they are doing their due diligence and he is confident Cayucos will get there.

Enns would like both staffs to get together, and asked if he could take a "walk through" of the plant with Keogh so he can point out some of the things he has mentioned allowing Enns a better understanding of where the money will be going.

Lloyd said that he too would be interested in attending a walk through.

President Enns opened Public Comment.

- Betty Winholtz – Morro Bay. Thanked Enns, Foster and Keogh for their earlier comments and added that she is not in favor of the \$55,000.00 salary increases during "tight times when we cannot afford to do that".
- Marla Jo Bruton – North Morro Bay. Said she has been attending these meeting for more than 10 years and noticed that historically, Cayucos fights Keogh tooth and nail over every penny where things don't get repaired.
- Richard Sadowski – Morro Bay. Says if spending \$1.2 million dollars on MMRP each year over 2 years would be \$2.5 million dollars, which can build a new state of the art plant for 2.5 million dollars.

Hearing no further comments President Enns closed Public Comment.

Smukler asked Slayton to answer questions raised during public comment regarding the personnel costs

Slayton explained in more detail the increase in personnel costs; 1% contingency, PERS went up .661%, and 3 people are entitled to 5% step increases.

Smukler suggested having a sub-committee meeting or special meeting to go over the issues Cayucos is having with approving the budget so that it will be held in a public.

Lloyd clarified the meeting would be in a public forum at the next CSD Board meeting Thursday June 20, 2013

Smukler continued by saying he is finding it very frustrating that they are not conducting the meeting right here, right now where they are already in a public forum.

Lloyd said “that’s certainly one way to do it”.

Enns responded that they can take this meeting, and that he is prepared to go line item by line item if Smukler would like to take the time right now. He added that quite a bit of time had been spent between Koon, Slayton, and Keogh finding that the budget has a number of errors.

Smukler again stated that he thinks they should talk about the budget here, right now.

Discussion continued amongst Enns and Smukler on budget concerns.

CAYUCOS MOTION: President Enns made a motion to approve the \$2,103,267.00 of Agenda Item C-1 and reserve the \$1,040,000.00 for later discussion and approval at the Cayucos Board meeting on June 20, 2013. Director Lyon seconded. Motion passed (5-0).

There was additional discussion between Morro Bay staff and Enns to clarify and itemize the amounts stated in his motion.

MORRO BAY MOTION: Mayor Irons made a motion to approve Agenda Item C-1 as proposed. Councilmember Smukler seconded. Motion passed (5-0).

President Enns moved to item C-2.

2. VERBAL REPORT BY THE CITY AND DISTRICT ON THE PROGRESS OF THE FUTURE WWTP.

Lueker said that on June 11, 2013 the City Council approved and entered into a contract with John F. Rickenbach Planning and Environmental Consulting as a preliminary planning consultant for the water reclamation facility. They are hoping to schedule a “kick off meeting” sometime next week. After the kick off meeting, they will begin working with community stakeholders, and within four weeks of the kick off meeting, they will have a community meeting where they will be discussing community interests to engage the community in the project. She also mentioned a program on their website called “Notify Me” which is where someone can enter their e-mail address, and be notified when anything new is dropped into the system. There is

a separate “Notify Me” specifically for the water reclamation project as well.

Livick added that the four-week date Lueker had mentioned earlier for the community meeting would have some flexibility to ensure no conflict of Council availability.

Enns then asked the Board if they had any further comments on Morro Bay’s progress. Hearing none, he asked

Lloyd to give an update on progress with Cayucos.

Lloyd said last week they received what he would call an “incomplete preliminary draft” of the work they had contracted WSC to complete, so he didn’t have much progress to report tonight but mentioned that he may have a report by the next BOD meeting June 20, 2013 and will plan to give an update on WSC at that time.

Smukler asked if the report will be posted once they have a draft they feel is complete.

Enns answered yes, it will become a public document.

Enns then moved on to item C-3

3. DISCUSSION ON MEETING FREQUENCY FOR JPA MEETINGS BETWEEN THE CITY AND SANITARY DISTRICT.

Lyon said until we have a project, meetings should be every three months or they can call a special meeting if necessary. Would like to have quarterly meetings just as they had before when they weren’t really getting a project up and once they get a project going, they can go back to monthly meetings or even more often if necessary.

Lloyd asked (referring to previous item C-2) based on the schedule with Rickenbach, when do you expect a preliminary report will be available.

Livick replied that the ultimate goal set by Council was to have the site selected and the treatment process selected by the end of this calendar year.

Lloyd asked if they would be reporting their progress in open session to the public at their council meetings.

Livick said yes, they have scheduled status report updates for water reclamation facilities project every first Council meeting of the month and they publish it on the website as well.

Lloyd asked if CSD can take a separate action on the MMRP budget item without necessitating another JPA meeting to approve it.

Irons stated quarterly meetings would be ideal considering Morro Bay would still discuss WWTP issues on a monthly basis at the Council meetings. He noted it is important to provide the public with this information; however, it is not necessary to bring the Board together to do so.

C. Johnson suggested that everyone still “pencil in” the monthly JPA meeting just in case they need to meet in between the quarterly meetings. She also recommended that Cayucos and Morro Bay staffs get together to share progress and staff reports on a regular basis to keep the Board informed and be able to update the community at monthly meetings.

N. Johnson asked Livick if July 2013 is when they will hear their first report from Rickenbach. Livick answered yes

There was further discussion between N. Johnson and Livick regarding Consultant Rickenbach's schedule, timeframes, proposed deadlines and the tentative dates of when JPA should meet again.

Smukler mentioned that he would like to meet when Cayucos has their WSC draft available.

Lloyd clarified that their efforts are not directed at finding a location but more so aimed at finding technology and the probable costs associated with that technology.

Foster suggested putting things on each other's Board agendas, stating that Cayucos could have the MMRP budget amount discussed at their next Board meeting.

President Enns then opened Public Comment.

- Betty Winholtz – Morro Bay. Wants to know whether this JPA is going to hang together or not.
- Marla Jo Bruton – North Morro Bay. Asked on behalf of the citizens, "we would like to be present and on board", and wants to keep JPA monthly and does not want to go quarterly.
- Richard Sadowski – Morro Bay. Asked Lloyd to figure out if they are together or not.

Hearing no further comments, President Enns closed Public Comment.

4. SCHEDULE NEXT JOINT MEETING AND AGENDA ITEMS

Enns agreed with C. Johnson in keeping the second Thursday of each month open. He announced the next JPA to be Thursday, September 12, 2013. Enns thanked Keogh and pointed out that he was not criticizing his chart in item A-3, stating he has always done a great job. He thanked AGP for posting the photograph of Cayucos, and clarified to Smukler the appropriate way to answer public comment is not during, but after public comment is closed.

Lloyd asked for clarification of "tentative" monthly meeting dates.

Irons discussed with Morro Bay the proposed quarterly JPA meetings, but keeping the monthly date set as tentative.

Smukler directed questions toward staff asking if they foresee any items they would like to bring to a meeting before going to a quarterly JPA.

Livick confirmed that he did not see any common items warranting a JPA before the next quarterly meeting.

Smukler said he could go along with quarterly meetings at this time.

Lloyd asked if they could define one or two weeks ahead of time in July and August whether or not there will be a need for a JPA meeting.

Enns and others confirmed they have a policy that says they would have two weeks notice if a meeting is

warranted.

Lloyd added that the CSD Board would report to Morro Bay any action they've taken or any documents to share with regard to progress during this interim period if occurring before the next JPA meeting.

Irons said they will also get together in some fashion to tour the plant together.

ADJOURNMENT

President Enns adjourned the meeting at 7:36 p.m.

Minutes Recorded and Respectfully Submitted By:

X

Danielle Crawford
Administrative Services Billing Manager

Agenda No. A-2

Date: September 12, 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: Bruce Keogh, Wastewater Division Manager

date: September 5, 2013

subject: WWTP Operations Report through July, 2013

recommendation:

This Department recommends this report be received and filed.

fiscal impact:

None

summary:

Attached, find copies of the Morro Bay-Cayucos Wastewater Treatment Plant monthly reports, for May 2013, June 2013, and July 2013 and the WWTP flow summary, through July 2013. This information updates the item from the June 13, 2013 meeting.

The City of Morro Bay-Cayucos Wastewater Treatment Plant

MONTHLY OPERATIONS SUMMARY MAY 2013

Flow for the month of May averaged 0.923 Million Gallons per Day (MGD).

Removal of suspended solids ranged from 68.3 % to 94.4 % for the month, with an average removal of 92.2 % for the month. BOD removal ranged from 60.1 % to 90.9 % for the month, with an average removal of 76.7 % for the month. The rainfall for the month was 0.08 inches. For the month of May, 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:

On May 8, staff from Gleim Crown Pumps assisted plant staff in installing 3-W Pump #P7601 (3-W is effluent used for process water). The pump had been removed for repair and maintenance by staff from Gleim Crown Pumps on March 20. The pump rebuild included new bowls, bushings, seals, etc. In addition, staff purchased a new electrically efficient motor for the pump. While the pump was off line, staff also made repairs to the piping associated with the 3W pump. The pump is operating as designed.

During the first week in May, staff performed emergency repairs to the cutter cartridge for the muffin monster located in the influent channel. They noticed an abnormal amount of vibration and noise coming from the unit. They contacted the manufacturer, and ordered and installed new upper bearings and seals, new drive gears, and they changed the drive couplers. The repairs should extend the life of the muffin monster until further repairs can be completed.

On May 1, Jim Maxham working on behalf of the California Joint Powers Insurance Authority conducted an infrared inspection of the facilities electrical power distribution system. Using an infrared camera, electrical equipment is scanned under load in order to locate hot spots caused by equipment defects including but not limited to loose or dirty connections, phase imbalance, defective fuses or faulty circuit breakers. Mr. Maxham provided a report to plant staff that identified seven "hot spots" with recommendations for repairs. On May 21, staff from Alpha Electric replaced the heater bloc for sludge recirculation blower #3 per the recommendation with in the report. Staff is consulting with our electrician on the best corrective action for the other "hot spots" identified in the report.

On May 27, staff removed Waste Activated Pump #1, the motor, and associated piping for repairs and rehabilitation. Repairs will include a new mounting bracket, new valving and piping, and raising the WAS pump motor so it is above the flood elevation.

During the month of May, plant staff appeared to resolve issues associated with the recirculation of sludge within digester #2, the transfer of sludge from digester #2 to digester #1, and problems associated with maintaining heat within digester #2. The solids content of the digester has returned to a more range of 2% solids range. This has allowed staff to maintain adequate circulation within the digester allowing for better temperature control within the digester. It has also minimized the issues noted with transferring sludge from digeter#2 to the other two digesters. Staff is beginning preparations for having the digester cleaned in the fall of this year.

On May 7, staff installed and began operating well pumps in three of the dewatering wells at the plant. The wells will assist staff in lowering the ground water levels around digester #2 in preparation for cleaning the digester.

On May 6, staff replaced the packing on grit pump # P2501, and tightened the packing gland on grit pump #P2502.

On May 14, staff discovered a small (less than 3 gallons) sodium hypochlorite leak from one of the supply lines to a sodium hypochlorite chemical dosing pump. Staff used this opportunity to train on the Chemical Spill Response plan for the WWTP. The small volume of sodium hypochlorite was pumped into the headworks for disposal.

On May 6, laboratory staff submitted the results for Water Pollution - 219 Performance Testing (WP – 219) to the accredited provider, Environmental Resource Associates (ERA). Staff is currently awaiting the results of the study from ERA. WP-219 is an annual testing program that the laboratory is required to participate in as a component of the labs certification through the Environmental Laboratory Accreditation Program (ELAP). Results of the WP-219 study will be forwarded to staff at ELAP as well as the State Water Resources Control Board. For the year 2013, WP-219 replaces the Discharge Monitoring Report-Quality Assurance (DMR-QA) Study that is usually sponsored by the United States Environmental Protection Agency (USEPA) on an annual basis.

On May 18, laboratory staff received notification from the Department of Health Services Environmental Laboratory Accreditation Program (ELAP) that based on the application, documentation, and fees submitted to ELAP, the Morro Bay Cayucos Wastewater Plant Laboratory “...continues to be certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.” The certification is valid through 5/31/2015.

The following reports were submitted to the appropriate agencies:

- The Discharge Monitoring Forms (DMR) for April 2013

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

- The April 2013 Monthly Monitoring Data

The unusually low removal rates for suspended solids (68.3%) and BOD (60.1%) on May 26 were due to an abnormally low influent suspended solids (TSS) and BOD concentration of 123mg/L and 178 mg/L. The average influent loadings for TSS and BOD during 2012 were 379 mg/L and 322 mg/L, respectively. Unusually low influent TSS and BOD loadings like those recorded on May 26 are usually associated with heavy rainfall, not three day weekends with higher flows associated with tourism. Staff also checked and reviewed the lab protocol used to collect those samples, no irregularities were noted. The effluent concentrations for May 26 for TSS and BOD were 39 mg/L and 71mg/L, respectively. For comparison purposes, the average effluent concentrations for TSS and BOD for 2012 were 27mg/l and 50 mg/L.

On May 23, Ms. Tricia Atkins of the San Luis Obispo Environmental Health Services Department (SLO County EHS) conducted an annual inspection as a component of the plant’s Hazardous Waste Business Plan, which is on file with the SLO County EHS.

On May 11, Mr. Bruce Keogh submitted the Wastewater Treatment Plant Chief Plant Operator Acknowledgement Form to the State Water Resources Control Board Office of Operator Certification.

On May 24, at 0630 hours, staff responded to a low chlorine residual alarm at the plant. Staff discovered that the inlet and discharge valves on the residual chlorine dosing pump had been inadvertently left in the closed position. Staff opened the valves, and ensured proper operation of the dosing pump. They calibrated the chlorine residual analyzers and 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 to the noted problem.

On May 21, Mr. Bruce Keogh attended a Wastewater Operator Program Regulations seminar sponsored at the California Water Environment Association Annual Conference in Fresno.

On May 22, Mr. Bruce Keogh and Mr. Nez Chavira toured the Thousand Oaks Hidden Canyon WWTP and the Carpenteria WWTP with staff from the San Luis Obispo Water Reclamation Facility to look at influent screens, solids dewatering options, and general plant tours.

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.

Bruce Keogh
Wastewater Division Manager
Lab/C/Bruce/Monthlys/May2013

The City of Morro Bay-Cayucos Wastewater Treatment Plant

MONTHLY OPERATIONS SUMMARY

JUNE 2013

Flow for the month of June averaged 0.983 Million Gallons per Day (MGD).

Removal of suspended solids ranged from 90.2 % to 93.1 % for the month, with an average removal of 92.0 % for the month. BOD removal ranged from 79.9 % to 82.9 % for the month, with an average removal of 82.1 % for the month. There was no rainfall for the month. For the month of June, 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:

On June 19, staff completed the repairs and rehabilitation project for Waste Activated Sludge Pump #1. Repairs included a new mounting bracket, new valving and piping, and raising the WAS pump motor so it is above the flood elevation.

On June 19, staff made minor modifications to the gas line for the new Waste Gas Burner. The modifications will assist staff in draining condensate from the gas line that feeds the waste gas burner.

During the month of June, staff continued operating the well pumps in three of the dewatering wells at the plant. The wells will assist staff in lowering the ground water levels around digester #2 in preparation for cleaning the digester.

On June 25, staff from Kones Cranes performed the annual inspection of the three cranes at the plant. Staff is waiting for the inspection report at this time.

On June 5, laboratory staff received notice that they had acceptable results for Water Pollution -219 Performance Testing (WP - 219). WP-219 is an annual testing program that the laboratory is required to participate in as a component of the labs certification through the Environmental Laboratory Accreditation Program (ELAP). For the year 2013, WP-219 replaces the Discharge Monitoring Report-Quality Assurance (DMR-QA) Study that is usually sponsored annually by the United States Environmental Protection Agency (USEPA).

The following reports were submitted to the appropriate agencies:

- The Discharge Monitoring Forms (DMR) for May 2013

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

- The May 2013 Monthly Monitoring Data

On June 23, plant staff responded to two power outages. The first occurred from 1900 to 2030 hours, and the second occurred from 2215 to 2315 hours. The emergency auxiliary generator provided power to the plant during both outages. Plant staff noted that there were no problems with the switch to generator power, and that there were no operational issues as a result of the power outage.

On June 17, Cayucos Sanitary District Board President Mr. Robert Enns, CSD Board Member Mr. Dan Lloyd, and Morro Bay City Councilmember Noah Smuckler toured the plant as part of a discussion concerning the Major Maintenance Repair Program (MMRP) being developed for the WWTP.

On June 25 and 26, Mr. Les Girvin, Mr. Nez Chavira, Mr. George Helms, and Mr. John Gunderlock attended an Wastewater Electrical Maintenance I & II Class sponsored by Lewellyn Supply.

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.

Bruce Keogh
Wastewater Division Manager
Lab/C/Bruce/Monthlys/June2013

The City of Morro Bay-Cayucos Wastewater Treatment Plant

MONTHLY OPERATIONS SUMMARY

JULY 2013

Flow for the month of July averaged 1.116 Million Gallons per Day (MGD).

Removal of suspended solids ranged from 89.7 % to 94.8 % for the month, with an average removal of 93.2 % for the month. BOD removal ranged from 83.1 % to 85.0 % for the month, with an average removal of 84.3 % for the month. The rainfall for the month was 0.02 inches. For the month of July, 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:

On July 25, staff installed a new cutter cartridge for the muffin monster located in the influent channel. The new cutter cartridge replaces an existing unit that was no longer cost effective to repair. The new cutter cartridge should extend the life of the muffin monster until new headworks screening units can be purchased and installed.

During the month of July, staff removed Waste Activated Pump #2, the motor, and associated piping for repairs and rehabilitation. Repairs will include a new mounting bracket, new valving and piping, and raising the WAS pump motor so it is above the flood elevation. Similar repairs were completed to WAS pump #1 in June.

During the month of July, staff continued operating the well pumps in three of the dewatering wells at the plant. The wells will assist staff in lowering the ground water levels around digester #2 in preparation for cleaning the digester. Staff has tentatively scheduled the cleaning operation for early October.

On July 20, staff rebuilt scum pump #2. The rebuild included new diaphragms, check balls, and seats. They discovered a hole in one of the diaphragms that was reducing the pumps efficiency.

During the month of July (10 and 22), staff from Alpha Electric replaced the motor starters and contactors, and switches located in the electrical buckets for various pieces of vital plant equipment, including sludge recirculation pump #P8101 and sludge recirculation pump #P8201; and they also replaced faulty switches on the controls for scum pump P3512 and the secondary drive unit Col 6101.

On July 17, staff installed a new compressor head on Service Air Compressor #1. The existing head was no longer cost effective to repair.

On July 3, staff completed the fabrication and installation of a new six-inch tee assembly on the discharge piping on the south side of Digester #3. The existing tee assembly was badly corroded.

During July, staff installed new skimmers on the skimmer assemblies on both primary clarifiers and the secondary clarifier.

The following reports were submitted to the appropriate agencies:

- The Discharge Monitoring Forms (DMR) for June 2013

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

- The June 2013 Monthly Monitoring Data
- The Second Quarter Receiving – Water Survey May 2013

On July 5, at 19400 hours, staff responded to a low chlorine residual alarm at the plant. They calibrated the chlorine residual analyzers and adjusted the dosing pumps. 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 to the noted problem.

On July 24, Mr. Les Girvin, Mr. John Gunderlock, and Mr. Bruce Keogh attended a Contractual Risk Training seminar sponsored by the California Joint Powers Insurance Authority.

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.

Bruce Keogh
Wastewater Division Manager
Lab/C/Bruce/Monthlys/July2013

Total Plant Flow Cayucos Flow Totals Morro Bay Flow Totals

2011	Total Flow	Daily Flow	Total Flow	Daily Flow	%	Total Flow	Daily Flow	%	# of days	Dates
JAN	42.338	1.366	12.089	0.390	28.6%	30.249	0.976	71.4%	31	Jan 1-Jan 31, 2011
FEB	35.600	1.271	9.674	0.346	27.2%	25.926	0.926	72.8%	28	Feb 1-Feb 28, 2011
MAR	47.887	1.545	13.770	0.444	28.8%	34.117	1.101	71.2%	31	March 1 - 31, 2011
APR	38.937	1.298	9.117	0.304	23.4%	29.820	0.994	76.6%	30	April 1 - April 30, 2011
MAY	37.092	1.197	8.704	0.281	23.5%	28.388	0.916	76.5%	31	May 1 - 31, 2011
JUNE	37.769	1.259	9.381	0.313	24.8%	28.388	0.946	75.2%	30	June 1-30, 2011
JULY	43.654	1.408	11.186	0.361	25.6%	32.468	1.047	74.4%	31	July 1-31, 2011
AUG	38.518	1.243	9.080	0.293	23.6%	29.438	0.950	76.4%	31	August 1-31, 2011
SEPT	33.263	1.109	7.526	0.251	22.6%	25.737	0.858	77.4%	30	September 1-30, 2011
OCT	33.454	1.079	7.597	0.245	22.7%	25.857	0.834	77.3%	31	October 1-31, 2011
NOV	33.240	1.108	7.589	0.253	22.8%	25.651	0.855	77.2%	30	November 1-30, 2011
DEC	32.378	1.044	6.982	0.225	21.6%	25.396	0.819	78.4%	31	December 1-31, 2011
ANNUAL AVERAGES	37.844	1.244	9.391	0.309	24.6%	28.453	0.935	75.4%		
2012	Total Flow	Daily Flow	Total Flow	Daily Flow	%	Total Flow	Daily Flow	%	# of days	Dates
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		0.000		0.000	#DIV/0!	0.000	0.000	#DIV/0!	31	August 1-31, 2013
SEPT		0.000		0.000	#DIV/0!	0.000	0.000	#DIV/0!	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: Bruce Keogh, Wastewater Division Manager

Date: September 5, 2013

Subject: Status Report on the Permit Renewal Process for the Wastewater Treatment Plant
NPDES Permit No. CA0047881

Recommendation:

This Department recommends this report be received and filed.

Fiscal Impact:

To date, the fiscal impact has been \$4,147.25 for consultant support services for the permit renewal effort. The FY 13/14 WWTP budget contains funds for the permit renewal effort.

Summary:

This staff report is intended to provide a status report on the permit renewal process for the Morro Bay/Cayucos Wastewater Treatment Plant. The Morro Bay/Cayucos Wastewater Treatment Plant (plant or WWTP) operates under National Pollution Discharge Elimination System (NPDES) permit No. CA0047881. The NPDES permit expires on March 1, 2014. The existing NPDES permit includes a 301(h) modified discharge permit, which waives full secondary treatment requirements; it is important to note that the 301(h) modified discharge permit applies only to full secondary treatment requirements for suspended solids and Biochemical Oxygen Demand (BOD). The plant operates as a full secondary treatment facility for all other constituents listed in the NPDES permit.

NPDES permits are generally issued for five years. The permit requires that MBCSD submit an application, six-months prior to the expiration of the permit. As the permit became effective March 1, 2009, this would require that a complete permit application be submitted by September 1, 2013 to the appropriate regulatory agencies.

Discussion:

A complete application packet was delivered to Regional Water Quality Control Board (RWQCB) on August 26, 2013. A copy of the cover letter for the application packet is attached. A copy of the entire application packet can be viewed on the City website at www.morro-bay.ca.us/npdes. A copy of the application packet was also forwarded to the Environmental Protection Agency

(USEPA). Per the direction of the Council and District Board, the application packet submitted to the RWQCB is for a full secondary permit with interim effluent limits. This application does not include an application for a 301(h) modified discharge permit.

The application packet will be reviewed by RWQCB staff. Following review of the application packet, RWQCB staff will then notify the applicant within 30 days of any deficiencies or determine that the application is complete. MBCSD is currently waiting for feedback on the application packet from the RWQCB.

The granting of a full secondary permit with interim effluent limits allows for the MBCSD to be protected from fines for not meeting full secondary effluent limits. The interim effluent limits can only be applied to one five-year permit cycle, meaning that at the end of that permit cycle, the plant would have to meet full secondary treatment requirements or face minimum mandatory penalties of at least \$3,000 per day per constituent that is violated. For example if the permit renewal date was March 31, 2014, then the plant would have to meet full secondary requirements by March 31, 2019 when the permit with the interim effluent limits expires. However, RWQCB staff has indicated that after the first five year permit cycle, they may be able to extend the interim effluent limits another five years to allow MBCSD more time to complete the development of a new Water Reclamation Facility (WRF) and provide protection from potential minimum mandatory penalties.

With the application for a full secondary permit, the RWQCB will be the lead agency involved in the permit renewal process. It is MBCSD's staff's understanding, that under the Memorandum of Understanding between the USEPA and the RWQCB, the RWQCB is able to issue full secondary permits without the extensive involvement of the agencies listed below. In prior years, the application for a 301(h) modified discharge permit involved numerous agencies including, the California Coastal Commission (CCC), USEPA, U.S. Department of Fish & Wildlife, and other regulatory agencies. Regardless of the involvement of the other agencies the permitting process is substantially less costly and complex for the full secondary permit with interim effluent limits than the application process for a 301(h) modified discharge permit.

As the permit renewal process progresses, MBCSD will need to have discussions regarding adoption of a new conversion schedule through an enforceable instrument approved by the RWQCB. At the last meeting between MBCSD and RWQCB, held on March 7, 2013, MBCSD indicated that they were working on the new WRF project and were attempting to have a site location and treatment technology selected by the end of 2013. This should assist the MBCSD and the RWQCB in establishing a new settlement agreement for development of a new WRF. Similar to the existing Settlement Agreement, a new settlement agreement will likely include a conversion schedule with milestones for completing the planning, design, construction and operation of the new WRF.

Conclusion:

Staff will continue to update the Council and Board on the permit renewal process as information becomes available.



City of Morro Bay

955 Shasta Ave
Morro Bay, CA 93442
Phone: 805-772-6261 Fax: 805-772-6268

August 26, 2013

Mr. Ken Harris
Executive Officer
California Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Subject: Notice of submittal of application for the renewal of National Pollution Discharge Elimination System Permit No. CA0047881

Dear Mr. Harris,

The City of Morro Bay-Cayucos Wastewater Treatment Plant operates under the National Pollution Discharge Elimination System Permit (NPDES) No. CA0047881, Waste Discharge Requirements (WDR) Order No R3-2008-0065, due to expire on February 28, 2014. Staff at the City of Morro Bay has prepared the necessary forms for renewal of NPDES Permit No. CA0047881. The completed forms included in the application are:

- 1) Application/Report Of Waste Discharge General Information Form For Waste Discharge Requirements Or NPDES Permit.
- 2) Application Form 1- General Information Consolidated Permits Program
- 3) NPDES Form 2A Application Overview.

WDR No. R3-2008-0065 included a modified ocean discharge permit for total suspended solids (TSS) and biochemical oxygen demand (BOD). Per the City and Districts discussion with Regional Water Quality Control Board (RWQCB) staff, the City and District are applying for a full secondary discharge permit with interim effluent limits.

In December 2008, the City and District executed a Settlement Agreement with the RWQCB to upgrade the existing WWTP to eliminate the need for a 301(h) waiver-modified permit. According to the terms of the Settlement Agreement, the WWTP was to be upgraded so that all effluent is treated to at least secondary levels, phasing out the need for a modified discharge permit by March 2014. The Settlement Agreement contains a conversion schedule that outlines the upgrade process and includes certain milestones for achieving critical phases of the proposed upgrade project. On January 10, 2013, the CCC denied a Coastal Development Permit for the proposed upgrade project at the existing WWTP location.

ADMINISTRATION
595 Harbor Street

CITY ATTORNEY
595 Harbor Street

FINANCE DEPARTMENT
595 Harbor Street

FIRE DEPARTMENT
715 Harbor Street

HARBOR DEPARTMENT
1275 Embarcadero Road

POLICE DEPARTMENT
870 Morro Bay Boulevard

PUBLIC SERVICES
955 Shasta Avenue

RECREATION & PARKS
1001 Kennedy Way

The City and District have separately begun project planning based on each of their respective community values, for the planning, design, and construction of a new Water Reclamation Facility (WRF) or WWTP at an alternative location. This charts a path of site selection and other important community decisions that are needed to see the WRF project move forward successfully with input from both communities. The City's and District's goal is to bring these preliminary planning decisions together by the end of 2013. A more detailed discussion of the draft implementation schedule is included in the application packet (Section B.5 of Form 2A). Following approval of the preliminary planning decisions regarding location, level of reclamation and other details have been made by the City and District, the parties anticipate negotiating a new timeline under the Settlement Agreement with the RWQCB to outline the process for siting, planning, financing, designing, and constructing a new WRF.

The City and District request that the RWQCB revise the current effluent monitoring program to be consistent with other ocean dischargers of similar size with a full secondary permit. This would include a reduction in monitoring frequency, among other changes. These changes were recommended for the current permit in a letter from the City and District to the RWQCB dated July 9, 2010. That letter provided the quantitative and qualitative justification for monitoring changes based on statistical analyses that demonstrated there is no reasonable potential for exceedance of the permit limits. Monitoring data collected since 2010 further strengthen that conclusion. The original letter and associated analyses have been vetted by State Board staff member Steve Saiz. Lastly, because the new permit will not be a 301(h)-modified permit, federal requirements for the more-intensive monitoring that is conducted under the current permit do not apply.

The original and one copy of the application packet, are attached hereto and delivered this date.

If you have any questions or comments, please contact Bruce Keogh, at (805) 772-6272.

Sincerely,



Rob Livick
Public Services Director/ City Engineer

cc
Mr. Bruce Keogh
Wastewater Division Manager

Mr. Rick Koon
Cayucos Sanitary District
P.O. Box 333
Cayucos, CA 93430

Ms. Jane Diamond
Director, Water Division
U.S.EPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

Dr. Doug Coats
Marine Research Specialists
3140 Telegraph Road., Suite A
Ventura, CA 93003

Manager/C/Bkeogh/NPDES Application 2013/Completed forms/RWQCBNPDESApplicationCoverLetterAug2013

Lab/Bkeogh/JPA/JPA 2013Meetings/September 12 2013 JPA meeting/Permit Renewal Discussion JPA Sept 2013

Agenda No. Item B-1

Date: September 12, 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: Bruce Keogh, Wastewater Division Manager

Date: September 5, 2013

Subject:

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

Recommendation:

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

Fiscal Impact:

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

Discussion:

This staff report is intended to provide an update on the development of the MMRP for the WWTP. At the February 14, JPA meeting the Council and District Board approved of 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;
- That 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 that 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 primary focus has continued to be on the next Fiscal Year and the projects contained within the FY 13/14 WWTP budget that was adopted by both the City and District. The adopted budget contains \$1.04M in funding for MMRP projects presented during the budget hearing at the JPA meeting. Staff is currently working on developing and refining an implementation schedule for the projects funded in the FY 13/14 budget. An outline of the desired repair time frames and key project milestones has been identified and the schedule will be finalized after peer review with our technical support team. We anticipate finalizing this schedule by October.

After reviewing the qualifications of several highly regarded local and nationally recognized engineering firms MBCSD staff has executed contracts with Mike Nunley & Associates (MKN) and Black and Veatch (B&V) for two-year *on-demand* support services to assist staff in the execution of the projects outlined with in the MMRP. These contracts will give MBCSD the ability to issue individual task orders as specific work tasks are developed to execute the MMRP projects. Each contract will have a \$100,000 ceiling and work will be awarded on a Time & Materials basis to ensure that we only pay for actual time spent on the awarded task. This will expedite the project delivery and ensure that design and construction management expenses are minimized to the maximum extent possible. Four initial tasks have been identified:

1. MKN will take the lead role in assisting MBCSD in the non-destructive testing of the digesters to evaluate their structural condition prior to developing the project scope and design specifications to coat and repair the digesters. They are currently developing and refining a scope of work for the non-destructive testing. This will expedite repairs and limit the down time of the digesters;
2. Both MKN and B&V will provide subject matter experts to participate in a peer review of the 2013 MMRP project plan and provide technical support to perform constructability review, analyze interim bypass plan for pre-discharge chlorination process and support the risk management decision process;
3. MKN will lead the design integration, and B&V will assist the team by providing engineering support to analyze vendor proposals, participating in a selection panel to select influent screening, washing and compacting equipment at the Headworks and a Chlorine Contact tank sludge removal system;
4. B&V will take the lead role in assisting MBCSD in providing a complete assessment of existing plant electrical components; including review of the 2006 Carollo Wastewater Treatment Plant Electrical Facilities Overview (Appendix H of the 2006 Facility Master Plan) as the basis for an updated condition assessment of critical electrical infrastructure.

Staff has continued to conduct more detailed discussions with various equipment representatives to further refine the types of equipment that will best suit the site specific parameters of the existing plant. Progress on three of the MMRP projects includes:

- A. Influent Screens: Equipment evaluation has centered on a review of the various influent screen types to determine which is best suited to accommodate the existing influent channel given flow, debris loading and space constraints. Discussions have also continued on various options for removing the screened debris from the lower level of the headworks once they are removed from the waste stream. Staff expects to make an equipment selection by the end of September and begin the procurement process.
- B. Chlorine Contact Repairs: Staff is working with the various vendors on the chlorine tank project to identify the preferred equipment and to develop a strategy for implementing the repairs. During the repair period, the tank will have to be bypassed and plant staff is working on a strategy for maintaining disinfection and dechlorination during the repair process. This will require the use of temporary tanks to bypass the existing tank in order to keep the plant within regulatory compliance.
- C. Digester 2 Cleaning and Repairs: Staff has made arrangements to have the digester cleaned in early October, and has begun initiating the operational changes required to take the digester off-line prior to cleaning.

Conclusion:

MBCSD staff will continue to bring a status report on the development of the MMRP at future JPA meetings.