

AGENDA

REGULAR MEETING OF THE
OPERATIONS COMMITTEE
Engineering, Operations, & Maintenance, and Technical Services

ORANGE COUNTY SANITATION DISTRICT

May 6, 2009 – 5:00 P.M.

ADMINISTRATIVE OFFICE
10844 Ellis Avenue
Fountain Valley, California 92708
www.ocsd.com

PLEDGE OF ALLEGIANCE

DECLARATION OF QUORUM

PUBLIC COMMENTS

REPORT OF COMMITTEE CHAIR

REPORT OF GENERAL MANAGER

- Budget Review – L. Tyner

CONSENT CALENDAR (1 - 12)

1. Approve the minutes of the April 1, 2009 Operations Committee meeting.
2. a) Award a purchase order contract to J.F Shea Co., Inc. for Replacement of Three (3) Hazardous Materials Storage Lockers/Modules & Shower Eye/Face Wash Station at Plant 2, Specification No. S-2009-401BD, for an amount not to exceed \$186,000; and,
b) Approve a contingency of \$13,020 (7%).

3.
 - a) Approve a sole source purchase order to be issued to Putzmeister America, Inc. for Plant 2 No. 4 Cake Transfer Pump Repair Services, for an amount not to exceed \$110,000; and,
 - b) Approve a contingency of \$22,000 (20%).
4. Ratify Change Order No. 1 to Purchase Order No. 71172-OS issued to Jamison Engineering for Plant 1 Headworks Splitter Box No. 3 Channel Repair Services for an additional amount of \$22,000, increasing the total amount not to exceed \$125,180.
5. Recommend to the Board of Directors to approve the final Sewer System Management Plan prepared by staff dated May 1, 2009.
6. Recommend to the Board of Directors to: a) Award a contract to Polydyne, Inc., for the Purchase of Liquid Cationic Polymer, Specification No. C-2008-395BD, for a unit price of \$1.975 per active pound delivered for Solution polymer plus applicable sales tax, and \$1.85 per active pound delivered for Mannich polymer plus applicable sales tax, for an estimated annual amount of \$2,282,500 for the period July 1, 2009 through June 30, 2010, and four one-year renewal options; and,
 - b) Approve a 10% annual unit price contingency.
7. Recommend to the Board of Directors to: a) Award a contract to U.S. Peroxide, LLC, for Regional Odor and Corrosion Control Services, Specification No. C-2009-405BD, at the unit prices of \$1.78/gallon delivered plus tax for Ferrous Chloride; \$1.72/gallon delivered plus tax for Hydrogen Peroxide (27%), indexed to the natural gas previous quarter average NYMEX Henry-Hub gas base price of \$9.00 per MMBtu, and an escalation index factor of an additional \$0.025/gallon for every increase of \$1.00 above the indexed cost; and, \$2.19/gallon delivered plus tax for Bioxide, for an estimated annual amount of \$3,300,000, for the period July 1, 2009 through June 30, 2010, and four one-year renewal options;
 - b) Award a contract to Hill Brothers Chemical Company for Regional Odor and Corrosion Control Services, Specification No. C-2009-405BD, for an initial delivered unit price of \$1.736/gallon plus tax for Magnesium Hydroxide, indexed to the natural gas previous month's daily average NYMEX Henry-Hub gas base price of \$13.25 per MMBtu, and an escalation index factor of an additional \$0.06 per gallon for every increase of \$1.00 above the indexed cost, for an estimated annual amount of \$2,500,000 for the period July 1, 2009 through June 30, 2010, and four one-year renewal options; and,
 - c) Approve a 10% annual unit price contingency.

8. Recommend to the Board of Directors to approve Amendment No. 4 to the Agreement for Private Operation and Maintenance of Oxygen Generation System at Plant No. 2 with Air Products and Chemicals, Inc., (P.O. 43063-OB), extending the contract for a two-year period beginning February 2, 2010 to February 1, 2012, for an annual amount of \$321,766.80 adjusted annually based on the Consumer Price Index for the Los Angeles/Orange County/Riverside area.
9. Recommend to the Board of Directors to authorize staff to enter into negotiations with Malcolm Pirnie, Inc. for construction support services for Replacement of the Rocky Point Pump Station, Contract No. 5-50.
10. Recommend to the Board of Directors to authorize staff to enter into negotiations with Dudek, Inc. for construction support services for Bayside Drive Improvement, Contract No. 5-61.
11. Recommend to the Board of Directors to receive and file the ADA Compliance Feasibility Study for P1 Miscellaneous Buildings Office Improvements, Project No. FE07-08, dated August 2008, prepared by Willdan.
12.
 - a) Approve Plans and Specifications for the P2 EPSA Roof Access, Project No. FE07-07, on file at the office of the Clerk of the Board;
 - b) Approve Addendum No. 1 to the plans and specifications;
 - c) Receive and file bid tabulation and recommendation;
 - d) Award a contract to DenBoer Engineering & Construction, Inc., for P2 EPSA Roof Access, Project No. FE07-07, for an amount not to exceed \$134,000; and,
 - e) Approve a contingency of \$26,800 (20%).

ACTION ITEMS (13 – 14)

13. Recommend to the Board of Directors to approve Amendment No. 9 to the Professional Services Agreement with Integrated Program Management Consultants, a joint venture of Parsons Water and Infrastructure, Inc., and CH2M Hill, Inc., authorizing:
 - a) Establish an amount not to exceed \$15,877,732 for year eight (Fiscal Year 2009-10) of the ten-year contract; and,
 - b) Increase the total amount of the ten-year contract to a total amount not to exceed \$108,954,978.

14. Recommend to the Board of Directors to: a) Approve Plans and Specifications for the P2 Plant Water PS Discharge Piping, Project No. FE07-17, on file at the office of the Clerk of the Board;
 - b) Approve Addendum Nos. 1 and 2 to the plans and specifications;
 - c) Receive and file bid tabulation and recommendation;
 - d) Receive and file letter dated February 5, 2009, from Atlas Allied, Inc., requesting relief of their bid in the amount of \$323,900 due to a mathematical error;
 - e) Award a contract to Ken Thompson, Inc., for P2 Plant Water PS Discharge Piping, Project No. FE07-17, for an amount not to exceed \$460,000; and,
 - f) Approve a contingency of \$92,000 (20%).

INFORMATION ITEMS

No items

DEPARTMENT HEAD REPORTS

CLOSED SESSION

During the course of conducting the business set forth on this agenda as a regular meeting of the Committee, the Chair may convene the Committee in closed session to consider matters of pending real estate negotiations, pending or potential litigation, or personnel matters, pursuant to Government Code Sections 54956.8, 54956.9, 54957 or 54957.6, as noted.

Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; (c) employee actions or negotiations with employee representatives; or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Committee during a permitted closed session and are not available for public inspection. At such time as the Committee takes final actions on any of these subjects, the minutes will reflect all required disclosures of information.

Convene in closed session

Reconvene in regular session.

Consideration of action, if any, on matters considered in closed session.

Other business and communications or supplemental agenda items, if any.

Adjournment – The next Operations Committee meeting is scheduled for Wednesday, June 3, 2009, at 5:00 p.m.

Operations Committee

May 6, 2009

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Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the District's Administrative offices not less than 72 hours prior to the meeting date and time above. All public records relating to each agenda item, including any public records distributed less than 72 hours prior to the meeting to all, or a majority of all, of the members of District's Board, are available for public inspection in the office of the Clerk of the Board, located at 10844 Ellis Avenue, Fountain Valley, California.

Items Not Posted: In the event any matter not listed on this agenda is proposed to be submitted to the Committee for discussion and/or action, it will be done in compliance with Section 54954.2(b) as an emergency item or because there is a need to take immediate action, which need came to the attention of the Committee subsequent to the posting of agenda, or as set forth on a supplemental agenda posted in the manner as above, not less than 72 hours prior to the meeting date.

Public Comments: Any member of the public may address the Operations Committee on specific agenda items or matters of general interest. As determined by the Chair, speakers may be deferred until the specific item is taken for discussion and remarks may be limited to three minutes.

Matters of interest addressed by a member of the public and not listed on this agenda cannot have action taken by the Committee except as authorized by Section 54954.2(b).

Consent Calendar: All matters placed on the consent calendar are considered as not requiring discussion or further explanation, and unless a particular item is requested to be removed from the consent calendar by a Director of staff member, there will be no separate discussion of these items. All items on the consent calendar will be enacted by one action approving all motions, and casting a unanimous ballot for resolutions included on the consent calendar. All items removed from the consent calendar shall be considered in the regular order of business. The Committee Chair will determine if any items are to be deleted from the consent calendar.

Items Continued: Items may be continued from this meeting without further notice to a Committee meeting held within five (5) days of this meeting per Government Code Section 54954.2(b)(3).

Meeting Adjournment: This meeting may be adjourned to a later time and items of business from this agenda may be considered at the later meeting by Order of Adjournment and Notice in accordance with Government Code Section 54955 (posted within 24 hours).

Accommodations for the Disabled: The Board of Directors Meeting Room is wheelchair-accessible. If you require any special disability related accommodations, please contact the Orange County Sanitation District Clerk of the Board's office at (714) 593-7130 at least 72 hours prior to the scheduled meeting. Requests must specify the nature of the disability and the type of accommodation requested.

Notice to Committee Members:

For any questions on the agenda or to place any items on the agenda, Committee members should contact the Committee Chair or Secretary ten days in advance of the Committee meeting.

Committee Chair	Bill Dalton	(714) 741-5000	pamha@ci.garden-grove.org
Committee Secretary:	Lilia Kovac	(714) 593-7124	lkovac@ocsd.com
General Manager	Jim Ruth	(714) 593-7110	jruth@ocsd.com
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Director of Engineering	Jim Herberg	(714) 593-7300	jherberg@ocsd.com
Director of Operations & Mntnc.	Nick Arhontes	(714) 593-7210	narhontes@ocsd.com

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir.
Item Number 2	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: REPLACEMENT OF THREE HAZARDOUS MATERIALS STORAGE
LOCKERS/MODULES & SHOWER EYE/FACE WASH STATION

GENERAL MANAGER'S RECOMMENDATION

1. Award a purchase order contract to J.F Shea Co., Inc. for Replacement of Three (3) Hazardous Materials Storage Lockers/Modules & Shower Eye/Face Wash Station at Plant 2, Specification No. S-2009-401BD, in an amount not to exceed \$186,000; and,
2. Approve a contingency of \$13,020 (7%).

SUMMARY

- The three hazardous materials storage lockers/modules currently in service at Plant No. 2 have been exposed to the elements of a coastal environment, which includes high humidity and salty air, for a period of approximately 10 years. A condition assessment of the integrity of these modules was recently performed with the assistance of staff of the City of Huntington Beach Fire Department. The results of the evaluation indicated that due to extreme corrosion affecting the structures and their fire suppression components they are beyond their useful life, their performance for the intended use is inadequate, and they should be replaced.
- Specification No. S-2009-401BD was developed for the new lockers/modules and related equipment to include one shower eye/face wash station to be installed. Specifications required the best available protective coating to provide an extended life cycle. On April 7th sealed bids were received from five different contractors to purchase and install a new set of three Hazardous Materials Storage Lockers/Modules, and to remove the existing ones. The results indicated that the lowest bidder was J.F.Shea Co., Inc. with a cost of \$186,000.00. A bid summary is provided below.

PRIOR COMMITTEE/BOARD ACTIONS

None

ADDITIONAL INFORMATION

Bid Summary

Firm	Cost
J.F.Shea Construction, Inc.	\$186,000.00
Humphrey Constructors	\$197,994.00
Jmart Group USA	\$217,953.40
SS Mechanical Corp.	\$220,742.00
J.E. Plount and Company	\$276,572.54

Funding for this project has been budgeted for in FY 08/09 using the small CIP replacement project fund.

This complies with authority levels of the Sanitation District's Delegation of Authority.

Award Date: 5/6/09

Contract Amount: \$186,000

Contingency: \$13,020 (7%)

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir.
Item Number 3	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: REBUILD NO. 4 CAKE TRANSFER PUMP

GENERAL MANAGER'S RECOMMENDATION

- 1) Approve a sole source purchase order to be issued to Putzmeister America, Inc., for Plant 2 No. 4 Cake Transfer Pump Repair Services, for an amount not to exceed \$110,000; and,
- 2) Approve a contingency of \$22,000 (20%).

SUMMARY

- The purpose of the maintenance service is to rebuild one of four Putzmeister cake transfer pumps at Plant No. 2. The pumps are used to transfer biosolids cake from the dewatering building to the truck loading station.
- Putzmeister America, Inc. provided the District with a quote for the service for an amount not to exceed \$110,000, and the contingency is needed for any additional items that might be discovered when the unit is disassembled.
- The purchase is being made using the sole source purchase list approved by the Board in May 2007.

PRIOR COMMITTEE/BOARD ACTIONS

May 2007: Approved Sole Source Procurement List for Repairs, Maintenance, and Service of Existing Equipment.

ADDITIONAL INFORMATION

This item was not budgeted but funds are currently available in the overall joint operating budget as other planned maintenance projects have not yet been completed and lower risk may be deferred to FY 2009/10.

Award Date: 5/6/2009 **Contract Amount:** \$110,000 **Contingency:** 20% (\$22,000)

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir.
Item Number 4	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: PLANT 1 HEADWORKS SPLITTER BOX NO. 3 CHANNEL
REPAIR SERVICES

GENERAL MANAGER'S RECOMMENDATION

Ratify Change Order No. 1 to Purchase Order No. 71172-OS issued to Jamison Engineering for Plant 1 Headworks Splitter Box No. 3 Channel Repair Services for an additional amount of \$22,000, increasing the total amount not to exceed \$125,180.

SUMMARY

- The purpose of this urgent repair work is to repair the construction joint connecting the discharge channel to the Grit Removal system, as well as sandblast, repair and apply a protective coating on the inside of the concrete channel that connects the Plant No. 1 Headworks to the Eastside Primary Clarifiers 1-5. This channel has been in service since 1987.
- Repair work was completed on Channels No. 1 and 2 over the past 20 months. Based on the information gathered during those repairs and a brief inspection of the No. 3 channel, an estimated repair cost was developed. Once No. 3 channel was taken out of service for an extended period of time and a thorough cleaning and corrosion inspection was completed, more damaged concrete was found than originally anticipated.
- The additional repair work was authorized to complete a long -term repair while the system is out of service and to avoid future long-term shutdowns that cannot be completed until the new Headworks facility at Plant No. 2 is operational. The Operations Committee was notified of the need for this change order at the April 2009 meeting.

PRIOR COMMITTEE/BOARD ACTIONS

March 2009: Operations Committee approved issuing a purchase order to Jamison Engineering for Plant 1 Headworks Splitter Box No. 3 Channel Repair Services.

ADDITIONAL INFORMATION

None

Award Date: 3/04/2009

Contract Amount: \$93,800

Contingency: \$ 9,380 (10%)

5/06/2009

\$125,180

OPERATIONS COMMITTEE
AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 5	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: SEWER SYSTEM MANAGEMENT PLAN

GENERAL MANAGER'S RECOMMENDATION

Approve the final Sewer System Management Plan prepared by staff dated May 1, 2009.

SUMMARY

On May 2, 2006, the State Water Resources Control Board (SWRCB) issued Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements (WDR) for Sanitary Sewer Systems.

The Order required all public agencies owning more than one mile in length of sanitary sewers to apply for coverage under the general WDR no later than November 2, 2006 and to develop and implement a Sewer System Management Plan (SSMP) in accordance with the requirements and deadlines stipulated in the general WDR.

Per the WDR, the final SSMP prepared by staff must be approved by the Board of Directors.

PRIOR COMMITTEE/BOARD ACTIONS

On October 22, 2008, the Board of Directors received and filed the SSMP Compliance Status Report dated September 24, 2008.

On July 18, 2007, the Board of Directors approved the SSMP Development Plan and Schedule.

On October 25, 2006, the Board of Directors approved the development and implementation of a compliance program with the Sanitary Sewer System WDR.

ADDITIONAL INFORMATION

Prior to the May 2, 2006 general WDR, California Regional Water Quality Control Board, Region 8, issued Order No. R8-2002-0014 entitled "General Waste Discharge Requirements for Sewage Collection Agencies in Orange County within the Santa Ana Region." That order, now rescinded, required a Sewer System Management Plan which OCSD produced on September 30, 2005. Requirements for that SSMP were nearly identical with the Statewide General WDR of 2006 with the following exceptions:

Section 4 - Measures and Activities, is now called Operations and Maintenance Program

Section 6 - Monitoring, Measurement and Program Modifications is now Section 9 with the same title

Section 7 – Overflow Emergency Response Plan is now Section 6 with the same title

Section 8 – Fats, Oils and Grease (FOG) Control Program is now Section 7 – FOG Control Program

Section 9 – System Evaluation and Capacity Assurance Plan is now Section 8 with the same title.

Therefore, there are no substantial changes with only minor rewrites to the current SSMP dated May 1, 2009.

OCSD is currently in compliance with the state's general WDR and has completed all of the milestones required by the SSMP time schedule.

ATTACHMENTS

Executive Summary

EXECUTIVE SUMMARY

The Orange County Sanitation District (OCSD) is required to comply with the State Water Resources Control Board (SWRCB) Order No. 2006-0003-DWQ adopted May 2, 2006 (Order), entitled “Statewide General Waste Discharge Requirements (WDR) for Sanitary Sewer Systems.”

The purpose of the Order is to prevent Sanitary Sewer Overflows (SSOs) or sewer spills by establishing a statewide Monitoring and Reporting Program (MRP) and requiring each local or regional sewer agency to create and implement their own Sewer System Management Plan (SSMP) based on the mandatory requirements of the Order.

The MRP requires each local or regional sewer agency to appoint a legally responsible official (LRO) and establish a monitoring and reporting organization to monitor and report all SSO’s in accordance with the requirements of the Order and to have the LRO certify the SSO report via the California Integrated Water Quality System (CIWQS) website in the timeframe required by the Order. If no SSO’s occur during the course of any given month, the LRO is required to fill out, certify and send via the CIWQS website a “No Spill Certification” for that month documenting the fact that there were no SSO’s for the month reported on.

To comply with the essence of this Order, OCSD shall:

- Proactively manage the sewage systems it operates in a way that prevents SSOs;
- Properly fund, manage, operate, and maintain all parts of the sewage collection system for which they are responsible;
- Construct and maintain the sewage collection system using trained staff (and/or contractors) possessing adequate knowledge, skills, and abilities, as demonstrated through a validated program; and
- Fully comply with this Order. Failures to fully comply could bring about RWQCB action, regardless of whether or not an SSO has occurred.

This Sewer System Management Plan (SSMP) is organized under paragraph D (Provisions) of the Order. The SSMP consists of eleven mandatory sections. Each section begins with a summary of the Order requirements, followed by these subsections:

- Compliance Summary – A description of how compliance was achieved;
- Compliance Documents – A listing of source documents that support compliance and the location of these documents; and,
- Roles and Responsibilities – A listing of relevant staff roles and responsibilities.

The mandatory sections of the SSMP are as follows:

- Section I – Goal: The goal is to prevent and/or reduce SSO's and mitigate the effect of any SSO's that do occur. The goal requires a plan and schedule to properly manage, operate and maintain all parts of the sanitary sewer collection system.
- Section II – Organization: The SSMP must identify the legally responsible official (LRO) or authorized representative as described in the Order. It must list and identify the organization responsible for operating and maintaining the sanitary sewer collection system including names and telephone numbers for management, administrative and maintenance positions and the chain of communication for reporting SSO's as required by the Order.
- Section III – Legal Authority: Each local or regional sewer agency must demonstrate through legally binding procedures such as ordinances, agreements, etc. that it possesses the necessary legal authority to do what is required by the Order.
- Section IV – Operation and Maintenance (O&M) Program: The SSMP must include those elements that are required by the Order that are appropriate and applicable to the sewer agency's system of operation and O&M program.
- Section V – Design and Performance Provisions: The SSMP must demonstrate that the sewer agency has and appropriately uses design and construction standards and specifications for the installation of new sewer systems, rehabilitation and repair of existing sewer systems and has procedures and standards for inspecting and testing the installation of new sewers, pumps, etc. and for rehabilitation and repair projects.
- Section VI – Overflow Emergency Response Plan: Each sewer agency shall develop and implement an overflow emergency response plan that identifies measures to protect public health and meets the minimum requirements of the Order.
- Section VII – FOG Control Program – Each sewer agency shall evaluate its sewer system and determine if a Fats, Oils and Grease (FOG) control program is needed. The FOG control plan, if needed, must meet all the requirements of the Order.
- Section VIII – System Evaluation and Capacity Assurance Plan: Each sewer agency shall prepare and implement a Capital Improvement Plan (CIP) that will provide adequate hydraulic capacity for the sewer collection system required by the Order.
- Section IX – Monitoring, Measurement, and Program Modifications: Each sewer agency shall maintain relevant information to establish and prioritize SSMP activities, monitor the implementation and measure the effectiveness of the SSMP activities, and provide assessment of the performance and/or modification of the SSMP activities as required by the Order.
- Section X – SSMP Program Audits: Each sewer agency shall conduct periodic internal audits appropriate to the size of the sewer system and the number of SSO's. As a minimum, these audits must occur every two years as required by the Order.

- Section XI – Communication Program: Each sewer agency shall communicate on a regular basis with the public on the development, implementation, and performance of its SSMP. The communication system shall provide the public the opportunity to provide input to the sewer agency and shall also create a plan of communication with other local sewer agencies that may be tributary or satellite to the sewer agency's sewer collection system.

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 6	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: PURCHASE OF LIQUID CATIONIC POLYMER, SPECIFICATION
NO. C-2008-395BD

GENERAL MANAGER'S RECOMMENDATION

1. Award a contract to Polydyne, Inc., for the Purchase of Liquid Cationic Polymer, Specification No. C-2008-395BD, for a unit price of \$1.975 per active pound delivered for Solution Polymer plus applicable sales tax, and \$1.85 per active pound delivered for Mannich Polymer plus applicable sales tax, for an estimated annual amount of \$2,282,500 for the period July 1, 2009 through June 30, 2010, with four one-year renewal options; and,
2. Approve a 10% annual unit price contingency.

SUMMARY

- The cationic polymer contract was competitively bid and 11 polymer suppliers were formally requested to participate in performance trials. Polydyne Inc. was the only responsive and responsible bidder to respond and supply the necessary polymer for testing. Polydyne Inc. met all qualifications.
- Staff has reviewed the information Polydyne Inc. provided and has determined the proposed cost is reasonable.
- Polydyne is the only supplier of mannich cationic polymer on the west coast and has supplied OCSD cationic polymer for the past five years. The unit costs for the solution and mannich polymer were:

Cationic Polymer Cost			
Fiscal Year	Solution <i>per active pound</i>	Mannich, <i>per active pound</i>	Total Contract Cost
08/09	\$1.88	\$1.682	\$1,950,000
07/08	\$1.75	\$1.53	\$1,379,200
06/07	\$1.75	\$1.53	\$1,379,200
05/06	\$1.28	\$1.05	\$1,288,000
04/05	\$1.28	\$1.05	\$1,538,000

PRIOR COMMITTEE/BOARD ACTIONS

None

ADDITIONAL INFORMATION

- Cationic polymer is used for thickening secondary sludge before digestion and for dewatering biosolids. There are two types of cationic polymer used at the Sanitation District: solution polymer and mannich polymer.
- Solution polymer is used at Plant No. 1 and Plant No. 2 to thicken waste activated sludge. Solution polymer limits n-nitrosodimethylamine (NDMA) formation for the Orange County Water District (OCWD) Ground Water Replenishment System but requires a 50% higher dose rate than mannich. The OCSD agreement with OCWD states both parties shall determine effective methods of addressing contaminants such as NDMA and both parties will share cost to eliminate NDMA from the GWRS water.
- Mannich polymer is used to dewater biosolids on the belt filter presses at both plants.

This recommendation complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted in Divisions 830 and 840, line item 52.

Award Date: 4/22/09	Contract Amount: \$1.975/act. lb + tax (solution)	Annual Contingency: 10%
	\$1.850/act. lb + tax (mannich)	Annual Contingency: 10%

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 7	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations and Maintenance

SUBJECT: REGIONAL ODOR AND CORROSION CONTROL SERVICES,
SPECIFICATION NO. C-2009-405BD

GENERAL MANAGER'S RECOMMENDATION

1. Award a contract to U.S. Peroxide, LLC, for Regional Odor and Corrosion Control Services, Specification No. C-2009-405BD, at the unit prices of \$1.78/gallon delivered plus tax for Ferrous Chloride; \$1.72/gallon delivered plus tax for Hydrogen Peroxide (27%), indexed to the natural gas previous quarter average NYMEX Henry-Hub gas base price of \$9.00 per MMBtu, and an escalation index factor of an additional \$0.025/gallon for every increase of \$1.00 above the indexed cost; and, \$2.19/gallon delivered plus tax for Bioxide, for an estimated annual amount of \$3,300,000, for the period July 1, 2009 through June 30, 2010, and four one-year renewal options; and,
2. Award a contract to Hill Brothers Chemical Company for Regional Odor and Corrosion Control Services, Specification No. C-2009-405BD, for an initial delivered unit price of \$1.736/gallon plus tax for Magnesium Hydroxide, indexed to the natural gas previous month's daily average NYMEX Henry-Hub gas base price of \$13.25 per MMBtu, and an escalation index factor of an additional \$0.06 per gallon for every increase of \$1.00 above the indexed cost, for an estimated annual amount of \$2,500,000 for the period July 1, 2009 through June 30, 2010, and four one-year renewal options; and,
3. Approve a 10% annual unit price contingency.

SUMMARY

- Contracts provide for continuous treatment services for corrosion and odor control within the regional trunk system and major tributary sewers that feed those systems using a variety of staff-recommended chemical applications. These activities are easily outsourced to turnkey service providers. Staff retains a high degree of oversight for these providers with daily interaction at OCSD facilities.
- The contractor(s) provide(s) leased equipment and on-going labor for services such as maintenance, remote monitoring of the chemical and feed rates, optimization, and field sampling.

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 8	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Nick Arhontes, Director of Operations & Maintenance

SUBJECT: PLANT NO. 2 OXYGEN GENERATION FACILITIES

GENERAL MANAGER'S RECOMMENDATION

Approve Amendment No. 4 to the Agreement for Private Operation and Maintenance of Oxygen Generation System at Plant No. 2 with Air Products and Chemicals, Inc., (P.O. 43063-OB), extending the contract for a two-year period beginning February 2, 2010 to February 1, 2012, for an annual amount of \$321,766.80 adjusted annually based on the Consumer Price Index for the Los Angeles/Orange County/Riverside area.

SUMMARY:

- The original, fifteen-year term turnkey contract with Air Products for operating and maintaining the District's cryogenic oxygen production facility was established in 1989. The facility was built in 1982, and operated and maintained by O&M staff until 1989. In 2004, a provision in the original contract to extend the contract term for additional five-years until February 2010 was exercised.
- Under the existing contract, Air Products is responsible for providing a continuous supply of oxygen 365 days per year, 24 hours per day. Except for acts of nature or sabotage, if there is a production problem Air Products is required to purchase and deliver by truck the oxygen at their own expense. As part of the Contract extension, Air Products has agreed to continue providing this level of service. Staff recommends approval.

PRIOR COMMITTEE/BOARD ACTIONS

1. June 2004 – Approve Amendment No. 3 to extend the contract with Air Products for a five-year period beginning February 2, 2005.
2. June 1997 – Approve Amendment No. 2 to the Agreement for Private Operation and Maintenance of Oxygen Generation System at Plant No. 2. This amendment reduced the operating expenses by \$215,000 annually.
3. August 1989, Board Resolution No. 89-108. This Board action approved the original contract.

ADDITIONAL INFORMATION

- Due to the influent flows being diverted to Plant 1 through the Steve Anderson lift station to meet the Orange County Water District's (OCWD) Groundwater Replenishment System (GWRS) Agreement's water production demands and with the new Plant 2 Trickling Filters coming on-line in 2012, the future demand for oxygen for secondary treatment at Plant 2 is expected to decrease.
- The current plan is to use the existing Plant 2 oxygen production units until 2012, after which we would use new oxygen production units to be installed as part of the Capital Project, SP-129, Oxygen Plant Rehabilitation at Plant No. 2.

This item has been budgeted in O&M Department's Division 840, Plant 2 Operations.

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 9	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Martin Dix

SUBJECT: REPLACEMENT OF THE ROCKY POINT PUMP STATION, CONTRACT NO. 5-50

GENERAL MANAGER'S RECOMMENDATION

Authorize staff to enter into negotiations with Malcolm Pirnie, Inc. for construction support services for Replacement of the Rocky Point Pump Station, Contract No. 5-50.

SUMMARY

- The purpose of this project is to replace the existing 70-year-old Rocky Point Pump Station with a new pump station that meets national and state codes, utilizing the current Orange County Sanitation District (Sanitation District) Design Guidelines. The project will include a new pump station and all appurtenances located on property acquired from the International Bay Clubs, Inc. by the Sanitation District.
- Malcolm Pirnie, Inc. satisfactorily prepared the design for Contract No. 5-50 and is uniquely qualified to provide support services during construction, commissioning, and closeout phases of this project. Staff is requesting permission to negotiate with Malcolm Pirnie, Inc. for construction support services.

PRIOR COMMITTEE/BOARD ACTIONS

September 2008 - Approved a contingency increase of \$272,357 (11%) to the Professional Design Services Agreement with Malcolm Pirnie, Inc., for Replacement of Rocky Point Pump Station, Contract No. 5-50, for a total contingency of \$470,435 (19%).

May 2006 - Approved a Professional Services Agreement with Malcolm Pirnie, Inc. providing for engineering services for Replacement of Rocky Point Pump Station, Contract No. 5-50, for an amount not to exceed \$2,475,973, and establish an 8% (\$198,078) design contingency.

ADDITIONAL INFORMATION

This recommendation complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted. (Line item: Section 8, Page 26).

Award Date:

Contract Amount:

Contingency:

JH:MD:eh

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OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 10	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Martin Dix

SUBJECT: BAYSIDE DRIVE IMPROVEMENT, CONTRACT NO. 5-61

GENERAL MANAGER'S RECOMMENDATION

Authorize staff to enter into negotiations with Dudek, Inc. for construction support services for Bayside Drive Improvement, Contract No. 5-61.

SUMMARY

- This project will rehabilitate a portion of the Bayside Drive Sewer. The rehabilitation consists of installing a structural cured in place lining and relining the existing manholes, as necessary. The construction documents for the pipeline and manhole rehabilitation are nearly complete.
- Dudek, Inc. satisfactorily prepared the design for Contract No. 5-61 and is uniquely qualified to provide support services during the bidding, construction, commissioning, and closeout phases of this project. Staff is requesting permission to negotiate with Dudek, Inc. for construction support services.

PRIOR COMMITTEE/BOARD ACTIONS

October 2007 - Approved a Professional Services Agreement with Dudek, Inc. providing engineering services for Bayside Drive Improvement, Contract No. 5-61, for an amount not to exceed \$349,561; and approve a 10% contingency (\$34,956).

ADDITIONAL INFORMATION

This recommendation complies with authority levels of the Orange County Sanitation District's Delegation of Authority. This item has been budgeted. (Line item: Section 8, Page 29).

Award Date:

Contract Amount: \$

Contingency:

JH:MD:eh

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OPERATIONS COMMITTEE

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 11	Item Number

AGENDA REPORT

Orange County Sanitation District

FROM: James D. Ruth, General Manager
 Originator: Jim Herberg, Director of Engineering
 Project Manager: Derek E. Davis

SUBJECT: P1 MISCELLANEOUS BUILDINGS OFFICE IMPROVEMENTS,
 PROJECT NO. FE07-08

GENERAL MANAGER'S RECOMMENDATION

Receive and file the ADA Compliance Feasibility Study for P1 Miscellaneous Buildings Office Improvements, Project No. FE07-08, dated August 2008, prepared by Willdan.

SUMMARY

- The Orange County Sanitation District (Sanitation District) is modifying several buildings to accommodate the move of the Sanitation District's Information Technology staff into the Administration Building. The project work generally consists of minor carpentry, electrical, and communications improvements.
- During the permit review process, the City of Fountain Valley Building Department (CFV) notified the Sanitation District that State of California Code of Regulation Title 24 requirements, including Americans with Disabilities Act (ADA) Requirements, must be included for all buildings in the project. These buildings include the Control Center, Administration Building, Building 6, and the Laboratory Building.
- Staff retained Willdan under a Facilities Engineering Task Order to review and prepare a report regarding the ADA requirements and improvements required to meet the Title 24 Standards.
- The ADA Compliance Feasibility Study for P1 Miscellaneous Buildings Office Improvements has been completed. The report provides the Sanitation District with an order of magnitude cost estimate and general list of improvements and modifications required to bring the administrative portion of our campus up to the current ADA Standards. The future work will include the addition of wheelchair ramps and walks, detectable warning indicators, and restroom remodels, new doorways, and other improvements. The rough order of magnitude estimate of the construction contract cost for this work is \$6,000,000.

PRIOR COMMITTEE/BOARD ACTIONS

July 2008 - Authorized the General Manager to increase the delegation of authority limit (Section 7.02) to Task Order FE07-00-15-01, issued to Willdan, for Project No. FE07-08, increasing the total cost to an amount not to exceed \$150,000 in connection with the PSA supporting Facilities Engineering projects.

April 2008 - Rejected all bids for P1 Multiple Locations Office Modifications, Project No. SP-127.

June 2007 - Approved 15 firms under a Professional Services Agreement for Facilities Engineering for an amount not to exceed \$200,000 annually for each firm.

ADDITIONAL INFORMATION

- In December 2000, the Sanitation District proposed a new Administration Building (Project No. J-84). The cost estimate for this new facility was \$18,500,000 and included the construction of a three-story building to house Information Technology, Human Resources, and the Finance Departments. Due to the budget constraints, the project was cancelled in 2006.
- The P1 Multiple Locations Office Modifications, Project No. SP-127, was the second of three procurements for moving Information Technology staff to the Administration Building and involves the installation of supporting electrical and telecommunication facilities. The other procurements were the purchase and installation of the modular furniture systems (Specification No. E-2007-353BD) and installation of a conference room and two offices in the Control Center (FE07-08).

Award Date: N/A

Contract Amount: N/A

Contingency: N/A

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OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir.
Item Number 12	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Derek E. Davis

SUBJECT: P2 EPSA ROOF ACCESS, PROJECT NO. FE07-07

GENERAL MANAGER'S RECOMMENDATION

1. Approve Plans and Specifications for P2 EPSA Roof Access, Project No. FE07-07, on file at the office of the Clerk of the Board;
2. Approve Addendum No. 1 to the plans and specifications;
3. Receive and file bid tabulation and recommendation;
4. Award a contract to DenBoer Engineering & Construction, Inc., for P2 EPSA Roof Access, Project No. FE07-07, for an amount not to exceed \$134,000; and,
5. Approve a contingency of \$26,800 (20%).

SUMMARY

- This project will construct a four and one-half-foot wide external roof access stairway to the existing Plant No. 2 Effluent Pump Station Annex Building. This project will also install a small crane at the roof level.
- These improvements will allow for maintenance access to roof-mounted ventilation equipment, and will provide an additional Tsunami shelter location.
- Infrastructure Engineering Corporation completed the plans and specifications for P2 EPSA Roof Access, Project No. FE07-07, in January 2009.
- Four sealed bids were received on February 10, 2009. After the evaluation of the bids by the Orange County Sanitation District (Sanitation District) Evaluation Team, the lowest bid was determined to be a "Responsible and Responsive" bidder. Summary information on the bid opening for P2 EPSA Roof Access, Project No. FE07-07, is as follows:

Project Budget	\$ 387,815
Contract Budget	\$ 250,000

Engineer's Construction Estimate	\$ 250,000
Lowest Responsive, Responsible Bid	\$ 134,000
High Bid	\$ 214,000

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

The contractor selection was conducted in accordance with the Sanitation District's adopted policies and procedures.

<u>Bidder</u>	<u>Amount of Bid</u>
DenBoer Engineering & Construction, Inc.	\$ 134,000
SCW Contracting Corporation	\$ 164,372
Eastern Valley General Engineering, Inc	\$ 212,559
All Purpose Manufacturing, Inc.	\$ 214,000

This Capital Improvement Project complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted (2008-2009 Budget Update, Section 8, Page 86, (FE-P2)).

Award Date: 05/06/09 Contract Amount: \$134,000 Contingency: \$26,800 (20%)

JDH:DD:ct:gc

OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 13	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Dean Fisher

SUBJECT: INTEGRATED PROGRAM MANAGEMENT CONSULTANTS (IPMC)

GENERAL MANAGER'S RECOMMENDATION

Approve Amendment No. 9 to the Professional Services Agreement with Integrated Program Management Consultants, a joint venture of Parsons Water and Infrastructure, Inc., and CH2M Hill, Inc., authorizing:

1. Establish an amount not to exceed \$15,877,732 for year eight (Fiscal Year 2009-10) of the ten-year contract; and,
2. Increase the amount of the ten-year contract to a total amount not to exceed \$108,954,978.

SUMMARY

- We are currently in the seventh year of a ten-year contract with Integrated Program Management Consultants (IPMC). It is anticipated that the current Capital Improvement Program (CIP) will require the use of IPMC through Fiscal Year (FY) 2011-12 to coincide with the completion of the secondary treatment expansion projects.
- Staff will be working on 71 active projects during FY 2009-10 with estimated CIP expenditures of \$250,000,000.
- A detailed planning effort, along with resource forecasting, has identified the need for 62 IPMC staff to augment the Orange County Sanitation District (Sanitation District) staff to complete FY 2009-10 work. This total is eight less staff than the FY 2008-09 authorization of 70 staff. Most of the identified staff are currently working on Sanitation District projects. New hires and/or replacement staff will be phased in over the fiscal year as required. IPMC will augment Sanitation District staff in Division 740 (Planning), Division 750 (Project Management), Division 760 (Engineering and Construction), and Division 770 (Facilities Engineering). The functions these people will perform are described in more detail below, along with the recommended budget for FY 2009-10.
- The benefits provided by IPMC include the rapid mobilization of highly skilled/technical staff, flexibility to change the mix of staff positions on an immediate and as-needed basis, the ability to quickly reduce staff as workloads decrease,

project controls expertise, and many years of experience working on similar programs throughout the United States and the world. Staff believes that using a Program Management Consultant approach is a practical, cost-effective, and efficient way to augment Sanitation District staff to deliver the CIP during the next three years of peak CIP work.

- The Sanitation District is also pleased with the professionalism, expertise, and overall level of service that we have received from IPMC to date.

PRIOR COMMITTEE/BOARD ACTIONS

May 2008 - Approved Amendment No. 8 to the Professional Services Agreement with Integrated Program Management Consultants for \$16,987,271, increasing the total amount not to exceed \$93,077,246.

May 2007 - Approved Amendment No. 7 to the Professional Services Agreement with Integrated Program Management Consultants for \$15,997,936, increasing the total amount not to exceed \$76,089,975, and extending the PDSA for an additional five-year period through FY 2011-12.

May 2006 - Approved Amendment No. 6 to the Professional Services Agreement with Integrated Program Management Consultants for \$14,999,656, increasing the total amount not to exceed \$60,092,039.

June 2005 - Approved Amendment No. 5 to the Professional Services Agreement with Integrated Program Management Consultants for \$15,585,558, increasing the total amount not to exceed \$45,092,383.

June 2004 - Approved Amendment No. 4 to the Professional Services Agreement with Integrated Program Management Consultants for \$12,836,801, increasing the total amount not to exceed \$29,506,825.

June 2003 - Approved Amendment No. 3 to the Professional Services Agreement with Integrated Program Management Consultants for \$150,000, and an additional \$12,484,750 for year two of the contract, FY 2003-04, increasing the total amount not to exceed \$16,670,024.

June 2003 - Approved Amendment No. 2 to the Professional Services Agreement with Integrated Program Management Consultants for \$50,000, increasing the total amount not to exceed \$4,035,274.

June 2003 - Approved Amendment No. 1 to the Professional Services Agreement with Integrated Program Management Consultants for \$50,000, increasing the total amount not to exceed \$3,985,274.

August 2002 - Approved Professional Services Agreement with Integrated Program Management Consultants for an amount not to exceed \$3,935,274.

ADDITIONAL INFORMATION

Based on the current schedule and project workload, staff has estimated the level of effort that will be required from IPMC through FY 2011-2012.

It is currently anticipated that no IPMC Staff will be required after FY 2011-2012; however, we will continually estimate the need for staff, both permanent and temporary, to support the CIP.

The Sanitation District is continually evaluating whether to hire permanent staff and reduce the number of IPMC staff. For the anticipated ten-year duration of the IPMC contract, the overall staff cost associated with the CIP is approximately \$316 million (currently estimated at \$190 million for Sanitation District staff, and \$126 million for IPMC staff). During this period of time, the Sanitation District will be expending approximately \$2.1 billion for engineering, design, and construction of capital facilities. The \$126 million planned to be expended for IPMC support equates to 6.0% of the total CIP expenditures.

The average hourly billing rate for IPMC staff during FY 2008-09 was approximately \$127/hr. IPMC billing rates includes salaries, benefits, fixed costs which are sometimes referred to as overhead (Buildings, Administration, Utilities, Insurance, etc.), and a 5% profit. The "overhead" rate which is applied to an employee's raw salary is approximately 145% for IPMC. As a comparison, the engineering consultants who conduct studies and develop designs for the Sanitation District typically have an overhead rate range of about 190 to 200%. The IPMC overhead rate is less than typical consultant contracts because the Sanitation District is providing office space and equipment for IPMC field staff.

The costs for IPMC will be charged to the individual CIP projects. Funding for IPMC costs are included in individual project budgets. Each fiscal year, as projects are planned, scheduled, budgeted, and resource needs identified, a projected cost will be presented to the Operations Committee for approval. Semi-annual updates for the entire program will also be provided.

Planning (Division 740)

IPMC is providing personnel to augment the Sanitation District's Planning staff. General assignments and duties are as follows:

- Two Electrical and Instrumentation & Control (I&C) Engineers (Woods, Lai) and one Civil Designer/Computer Assisted Design & Drafting (CADD) Technician (Beltran) to provide technical support for facility records and database management.

Project Management Office (Division 750):

The PMO is home to the project management and project controls staff.

Project Management Staff:

In FY 2009-10, the PMO will be managing 71 active projects with a total budget of \$2,112,000,000. The project budget ranges in size from \$1,000,000 to over

\$200,000,000. The Sanitation District has completed a staffing analysis, and believes a workload of three to six projects per Project Manager (PM) (based on size, and complexity) is appropriate. IPMC will provide personnel to augment the Sanitation District's Project Management Personnel in the PMO. The positions are described below:

- One Program Manager (Rapagna) to provide general management and supervision of all IPMC staff. The Program Manager will work with the Director of Engineering and Engineering Managers to ensure compliance with contracts, policies, and procedures. The Program Manager will provide technical oversight and direction in all aspects of the program and help ensure successful delivery of the CIP. The Program Manager manages technical work executed by the home office staff.
- Four Project Managers (Acevedo, MacDonald, MacLeod, Schock) to supplement Sanitation District PMs. The PMs provide day-to-day management and technical knowledge to deliver the assigned projects.
- One Business Manager (Billhardt) to provide assistance in the areas of time keeping, resources, accounting, and contracts management.
- One Administrative Assistant (Noya) to provide clerical and general administrative support, e.g., preparing agenda reports, general correspondence.

Project Controls Staff:

Currently there are 209 projects being tracked by the Project Controls Group. Of these, 71 are active engineering projects, 29 are scheduled for the future, and 109 are cancelled or completed. These projects require a variety of monthly updates including cost reporting, development of performance measures, reports, and other presentation materials. Each staff function is described below:

- One Project Controls Manager/Project Scheduler (Michael) to provide scheduling and cost reporting support, QA/QC, technical oversight, and direction to controls staff.
- One Project Scheduler (GrosJean) to prepare project cost, and schedule updates and milestone tracking in support of PMO Project Managers. Other duties performed by the schedulers include assisting in the CIP budgeting process, cash flow updates, preparation and updating of resource and workload planning information, providing input to the preparation of the Engineering CIP Semi-Annual Report, and provide training and support to Sanitation District staff on the use of the various computer software tools including P5, Access, and Business Object.
- One Project Controls Analyst (Reichenbach) assigned to assist in time reporting, charge numbers, and general quality assurance of data used in the system. Other duties include preparation of the semi-annual reports, and maintaining portions of the automated weekly timesheet in PCS to support project resource tracking. She will also serve as part-time scheduler on a number of Engineering CIP projects.

- Five Construction Cost Estimators (Brown, Collett, Davison, Villanueva, Zimmerman) assigned to prepare estimates for change orders, help negotiate changes during construction, review design consultant estimates, and provide cost estimate input during the annual CIP validation process.
- One Construction Scheduling Lead (Alexander) to provide oversight on all matters related to the construction field scheduling. Other duties include review and guidance in the preparation of monthly construction schedule analysis reports prepared by IPMC and the Sanitation District field schedule personnel. Will also participate in the preparation of time impact analysis and review of contractor submitted claims.
- Five Construction Schedulers (Bustillos, Dedhia, Rodriguez, Sugasawara, one new hire) assigned to ensure that contractors provide quality baseline schedules and keep them current (a vital element in our claims avoidance program). Field Schedulers review the contractor's initial schedule submittal and the schedule of values as well as monthly updates of contractor progress. Progress claimed by the contractors must be reviewed against the schedule plan each month for payment, and any request for additional time through change orders must be analyzed.
- One Document Control Lead (Cazares) to provide document control expertise and support for all aspects of CIP-related document management.

Engineering & Construction Management (Division 760)

IPMC is providing personnel to augment the Sanitation District's Engineering and Construction Management (E&CM) staff. E&CM is responsible for providing all the technical resources to the Project Managers. General assignments and duties are as follows:

- Ten Resident Engineers/Construction Managers (Barth, Bomkamp, Bryan, Collins, Fuller, Rein, Tovar, Waite, Vohra, one new hire) to support construction management of CIP projects within the boundaries of the Sanitation District's two operating treatment facilities and outside of the plant boundaries, i.e., for pipeline and pump station contracts.. They will utilize existing Sanitation District CM policies and procedures to represent the Sanitation District, coordinate construction activities, manage the construction contract, and document contractor compliance with the contract requirements.
- Two Electrical and Instrumentation & Control (I&C) Engineers (Etemadi, Olson). These Engineers are assigned to the CIP projects to provide specialized technical support to the project teams during both the design and construction phases. They ensure consultant and construction contractor compliance with Sanitation District requirements, guidelines, and polices.
- Two Project Engineers (Aghanian, Takahashi). Project Engineers serve as the technical leads within the Sanitation District's project teams, and assist the PMs with verification of the project elements, coordinating project requirements with the O&M Department, developing the design consultant SOW, selecting the design

consultant, and ensuring the construction documents are prepared using the Sanitation District standards. During the construction phase, they resolve design questions and issues for the Resident Engineers.

- Four Civil/Mechanical Inspectors (Chemotti, Gilbert, Hartmann, Kwiecien), seven Electrical, Instrumentation & Control Inspectors (Beck, Lovell, Makela, Whitney, three new hires), to support Quality Assurance of CIP projects within the two Treatment Facilities. They will utilize existing Sanitation District QA policies and procedures to represent the Sanitation District, coordinate construction and O&M activities, monitor construction site safety, and document contractor compliance with the contract requirements.
- Two Civil Inspectors (Martin, Sankar) to support Quality Assurance of pipeline and pump station projects. They will utilize existing Sanitation District QA policies and procedures to represent the Sanitation District, coordinate construction and traffic control activities, monitor construction site safety, and document contractor compliance with the contract requirements.
- One Commissioning Specialist (Stilwill) to support commissioning and start-up of CIP projects within the two Treatment Facilities.
- Seven Administrative Assistants (Chamberlain, Corona, Hays, Inman, Marquez, Moore, Yousef) to provide a variety of administrative support including Submittals/Document Clerks (Corona, Hays, Yousef) for processing and tracking of construction contractor submittals; Project Administrative Assistant (Moore) for processing project correspondence and filing; general administrative support (Chamberlain, Inman, Marquez) for processing project correspondence, Agenda Reports, and preparing CIP policy and procedures manual updates.

Facilities Engineering (Division 770)

IPMC is providing personnel to augment the Sanitation District's Facilities Engineering staff. Facilities Engineering is responsible for providing Project Managers and technical resources to implement miscellaneous small capital improvement projects to enhance safety, reliability and efficiency of facility operations. General assignments and duties are as follows:

- One Project Manager (Davis) to provide day-to-day management and technical knowledge to deliver the projects.
- One Civil Designer/Computer Assisted Design & Drafting (CADD) Technician (Tran) to provide technical support and assistance to PMs for project implementation.

Home Office Support:

"Home Office Support" is supplementary services from the offices of the Joint Venture Parties, Parsons and CH2M HILL, made readily available to support the needs of the Engineering Department. Technical study (task orders) work is based on providing engineering and other technical support for specific assignments using a pre-agreed

upon scope of work, fee, and schedule. These tasks will be as authorized by the Director of Engineering when required, and may include assistance in the following areas:

- General Administration and Home Office Technical Support – general administration support includes accounting, contract administration, invoices, reproduction, and safety reports and reviews. Routine home office technical support includes urgent technical support (usually task less than 40 hours) in all areas of waste water engineering, construction, and project controls.
- CEQA and NEPA Assistance – support to the Planning Division on a variety of treatment, collections and pump station projects in preparing environmental documentation.
- CIP Related O&M Studies – Support O&M with studies on various issues related to the CIP.
- Community Outreach Support – assist the Communications Department as needed on all collections projects in preparing outreach plans, conducting meetings, crisis management plans, etc.
- IT and PCS systems programming support, including support for troubleshooting and system upgrades.
- General technical support – throughout the year issues come up which need technical support and/or immediate attention. For example, in FY 2008-2009, IPMC provided support related to specification review, CADD drafting, software configuration and technical support, GIS, cost estimating, master plan preparation and CEQA

Award Date: 05/20/09

Contract Amount: \$15,877,732*
***For FY 2009-2010**

Contingency: N/A

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OPERATIONS COMMITTEE

AGENDA REPORT

Meeting Date 05/06/09	To Bd. of Dir. 05/20/09
Item Number 14	Item Number

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Derek E. Davis

SUBJECT: P2 PLANT WATER PS DISCHARGE PIPING, PROJECT NO. FE07-17

GENERAL MANAGER'S RECOMMENDATION

1. Approve Plans and Specifications for the P2 Plant Water PS Discharge Piping, Project No. FE07-17, on file at the office of the Clerk of the Board;
2. Approve Addendum Nos. 1 and 2 to the plans and specifications;
3. Receive and file bid tabulation and recommendation;
4. Receive and file letter dated February 5, 2009, from Atlas Allied, Inc. requesting relief of their bid in the amount of \$323,900 due to a mathematical error;
5. Award a contract to Ken Thompson, Inc. for P2 Plant Water PS Discharge Piping, Project No. FE07-17, for an amount not to exceed \$460,000; and,
6. Approve a contingency of \$92,000 (20%).

SUMMARY

- This project will replace corroded pipes and valves at the Plant No. 2 Plant Water Pump Station, and miscellaneous small diameter drains and plant water service piping.
- The plans and specifications for P2 Plant Water PS Discharge Piping, Project No. FE07-17, were completed in December 2008.
- Three sealed bids were received on February 3, 2009. After the evaluation of the bids by the Orange County Sanitation District (Sanitation District) Evaluation Team, the lowest bid submitted by Atlas Allied, Inc. was determined to be a "Responsible and Responsive" bidder.

- Subsequent to this determination, Atlas Allied, Inc. requested to be relieved of its bid and its bid bond released. Pursuant to Section 5103 of the Public Contract Code, Atlas Allied stated that a mistake was made when entering labor costs for welding during the preparation of the bid, and that this mistake made the bid materially different than it was intended to be. The Sanitation District met internally to review the request and determined that Atlas Allied's request had met the requirements prescribed in the Public Contract Code, and that the Sanitation District would grant Atlas Allied's request to be relieved of its bid and to have its bid bond released.
- Staff recommends awarding the contract to the second lowest, responsible, and responsive bidder, Ken Thompson, Inc., for \$460,000.
- The period for written protest began on March 17, 2009, and ended March 23, 2009. No written protests were submitted during or after the protest period.
- The construction contract budget of \$400,000 for the construction contract has been increased in order to award the project to the second lowest, responsible, and responsive bidder.
- The project contingency is higher than most projects to provide for risks associated with this project. These risks include items such as pipes, fittings, and valves to be supplied by the previous contractor; the potential need for additional controls or modifications for the temporary by-pass pump system, and the potential conflict with the future 84-inch above ground by-pass pipeline for the P2-66 project.
- Summary information on the bid opening for P2 Plant Water PS Discharge Piping, Project No. FE07-17, is as follows:

Project Budget	\$ 600,535
Contract Budget	\$ 460,000
Engineer's Construction Estimate	\$ 360,000
Lowest Responsive, Responsible Bid	\$ 460,000
High Bid	\$ 627,000

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

The contractor selection was conducted in accordance with the Sanitation District's adopted policies and procedures.

<u>Bidder</u>	<u>Amount of Bid</u>
Atlas Allied, Inc.	\$ 323,900
Ken Thompson, Inc.	\$ 460,000
Orion Construction Corporation	\$ 627,000

This Capital Improvement Project complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted (2008-2009 Budget Update, Section 8, Page 86, (FE-P2)).

Award Date: 05/20/09

Contract Amount: \$460,000

Contingency: \$92,000 (20%)

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