



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

Office - 916-354-3700 Fax – 916-354-2082

IMPROVEMENTS COMMITTEE

Regular Meeting
September 2, 2010 at 8:30 a.m.

AGENDA

1. **Call to Order**
2. **Comments from the Public**
3. **20 X 2020 and Integrated Water Master Plan Update – Verbal**
4. **Resolution 2010-10, Declaring Surplus Miscellaneous Scrap Metal**
5. **Wastewater Reclamation Plant Rehabilitation Project Proposal**
6. **Wastewater Reclamation Plant Valve Replacement Proposal**
7. **Biosolids Removal**
8. **Directors & Staff Comments/Suggestions [no action]**
9. **Adjournment**

In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting.

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is August 27, 2010. Posting locations are: 1) District Office; 2) Plaza Foods; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: August 25, 2010
To: Improvements Committee
From: Edward R. Crouse, General Manager
Subject: Resolution 2010-10, Surplus Miscellaneous Scrap Metal

RECOMMENDED ACTION

Adopt Resolution 2010-10, a resolution of the Rancho Murieta Community Services District declaring surplus miscellaneous scrap metal.

BACKGROUND

Over the years, the District stockpiles old scrap metal in our bone yard. Scrap metal includes old valves, culverts, stairs and other miscellaneous metals.

Periodically, we salvage the scrap metal to scrap metal haulers/recyclers. At times we also make scrap metal for sale to the public through advertisement.

The resolution allows us to dispose of the scrap metal in either method.

RESOLUTION # 2010-10

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE RANCHO MURIETA COMMUNITY SERVICES DISTRICT
AUTHORIZING DISPOSAL OF DISTRICT SURPLUS MISCELLANEOUS SCRAP
METAL**

WHEREAS, in the past, the Rancho Murieta Community Services District has purchased equipment to be used in the provision of water, sewer, drainage, and security services to the community of Rancho Murieta; and

WHEREAS, the equipment listed below has become obsolete and its useful life has been consumed:

Miscellaneous Scrap Metal

THEREFORE, BE IT RESOLVED the Board of Directors of Rancho Murieta Community Services District declares this equipment surplus to the needs of the District and authorizes the equipment be traded-in or placed for sale, with the sale to be conducted by staff.

PASSED AND ADOPTED this 15th day of September, 2010, by the following roll call vote:

Ayes:

Noes:

Absent:

Abstain:

Roberta Belton, President of the Board
Rancho Murieta Community Services District

(Seal)

Attest:

Suzanne Lindenfeld, District Secretary

MEMORANDUM

Date: August 31, 2010
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Wastewater Reclamation Plant Rehabilitation Project

RECOMMENDED ACTION

Approve proposal from N. J. McCutchen, Inc., for rehabilitation of the wastewater reclamation plant in an amount not to exceed \$25,000. Funding to come from Sewer Replacement Reserves, CIP #10-03-1.

BACKGROUND

With the West DAF and filters having been in operation for approximately 28 years and the East DAF and filters almost 20 years, rust and wear has taken its toll. To extend the operational life of the plant, staff recommends several areas with excessive corrosion and deterioration be replaced.



Typical tie-rod support inside DAF unit



Deteriorated overflow weir, scum trough, & other areas of concern

Attached is quote for materials and labor for the replacement of various steel DAF and filter components of the wastewater reclamation plant. Embedded in the approval cost is a contingency, should more necessary work be discovered while the repairs are being made. This project goes hand and hand with painting of the facility to follow, as identified in CIP 10-03-1.



N.J. McCUTCHEN, INC

METAL FABRICATION · MACHINE SHOP
123 W. SONORA ST. · STOCKTON, CA 95203
(209) 466-9704 · FAX (209) 465-7718
www.njminc.com

Rancho Murieta Community Services District

Rancho Murieta, CA

Proposal No.: RMCSO-083110
Date: 8/31/2010
Total Pages: 2
Subject: DAF Clarifier Repairs

Attention: David Herrmann
Office: 916 354 3700

Labor and materials to provide repairs and modifications to your DAF clarifiers per your specifications and our 27 August 2010 meeting as follows:

East DAF Clarifier

1. Replace 4 each strut rods and adjusters:

All carbon steel material bid here for rods, adjusters and fasteners. Repair or replacement of anchor plates that are welded to the tank, if required, is subject to additional charges.

Material and fabrication: \$932
Installation: \$780

2. Replace flange bolts on 10 each feed pipes:

Bid here assumes 7/8" X 3 hex bolts, one nut per bolt and 2 flat washers per bolt, all T-316 stainless, RTV for gasket material.

Material: \$1,834
Installation: \$1,800

3. Replace weir plate:

1/4" plate T-316 material.

Material and fabrication: \$1,256
Installation: \$510

4. Replace 21 each sprinkler system pipe supports:

Remove old support struts and replace with new strut, bolted in place, all T-316 material. New T-316 pipe clamps are included.

Material and fabrication: \$590
Installation: \$1,630

5. Replace 4 each pipe supports in scum trough:

Remove old strut and replace with new strut, bolted on, T-316 material.

Material: \$235
Installation: \$595

6. Replace scum trough through fitting:
Remove old through fitting and replace with bulk head, screw together with gasket style fitting, T-316 material.
Material: \$168
Installation: \$340

West DAF Clarifier

1. Provide and install new trailing beach plate on scum trough:
Plate formed to approximate twist required for level wiper movement, ¼” plate mild steel beach plate and mild steel support bars.
Material and fabrication: \$940
Installation: \$935
2. Provide and install ring trough drain fittings:
Material: \$208
Installation: \$1,495
3. Replace overflow weir:
Material and fabrication: \$905
Installation: \$465
4. Replace 3 each safety railing post bases:
Material and fabrication: \$624
Installation: \$1,360

West Filter

Time and material rates to replace splash plates:
Labor rates:
Regular time: \$85/hour
Over time: \$115/hour
Material: NJM cost plus 20%

Notes:

1. Access to the clarifiers will be required prior to part fabrication.
2. Delivery time of fabricated parts is about 1 week after access to clarifiers.
3. Installation time is about 1 week excluding the West Filter work.
4. Equipment rental, supplies and travel are included in the pricing above.
5. Any applicable tax is not included in the pricing above.

With regards,

Alan McCutchen

MEMORANDUM

Date: August 25, 2010
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Wastewater Reclamation Plant Valve Replacement

RECOMMENDED ACTION

Approve the proposal from Siemens Water Technologies Corporation, in an amount not to exceed \$36,200, for replacement of the wastewater reclamation plant valves. Funding to come from Sewer Replacement Reserves, CIP #10-04-1.

BACKGROUND

The West DAF valves have been in operation approximately 28 years and the East Filter valves almost 20 years. Despite numerous repairs and maintenance, they are worn out and need to be replaced. Replacing the valves will help to ensure many more years of operation. The valves specified are nylon coated ductile iron which should provide an approximate 15 year life with proper operation and maintenance.

Prior to 2006, staff had taken the air drying unit for the air supply system out of service. This allowed moisture to build up inside the air supply lines and pneumatic actuators for the wastewater facility. This moisture allowed water to accumulate and severely rust out the inside of the valves. Staff has since installed a new air drying unit and has maintained the current valves as best we can. Current valve seals are not holding back water to allow proper backwash rates, which are far below what is recommended by the manufacturer.

Attached is quote for replacement valves including shipping, along with another bid. Tax is added in the approval amount above.

SIEMENS

August 24, 2010

Rancho Murrieta WWTP
Mr. David Herrmann
PO Box 1050
Rancho Murrieta, CA 95683

Reference: Rebuild Equipment Butterfly Valves for Six Cells
Hydro-Clear Rapid Sand Filter
Model C3-330/82314

Dear Mr. Herrmann,

Siemens Water Technologies is pleased to present the following proposal for Replacement Butterfly Valves to completely replace valves on both the Hydro-Clear Rapid Sand Filter Control Systems, located at the Rancho Murrieta WWTP.

Filter Butterfly Valves for Six (6) Cells - Included in the selling price shall be all Butterfly Valves for six filter cells on both C3-330 Filter Units including the following:

- 1.0 All Butterfly Valves and pneumatic components to replace existing valves on six Hydroclear® Rapid Sand Filter cells. Included shall be Cell Inlet, Filtrate, Backwash Inlet and Trough Discharge valves, new poly flow tubing and fittings to connect to the existing pneumatic feed lines and stainless steel mounting fasteners for all valves as described in items 1.1-1.4 below.
- 1.1 Six (6) Bray Cell Inlet Butterfly Valves 10 inch with pneumatic actuators to replace the Filter Inlet Valves on six (6) Hydroclear® Rapid Sand Filter cells. Included are brass compression fittings, inserts and polyflow tubing to complete the pneumatic connections and stainless steel hex head bolts with nuts and washers for mounting.
- 1.2 Six (6) Bray Filtrate Butterfly Valves 10 inch with pneumatic actuators to replace the Filtrate Valves on six (6) Hydroclear® Rapid Sand Filter cells. Included are brass compression fittings, inserts and polyflow tubing to complete the pneumatic connections and stainless steel hex head bolts with nuts and washers for mounting.
- 1.3 Six (6) Bray Backwash Inlet Butterfly Valves 10 inch with pneumatic actuators to replace the Backwash Inlet Valves on six (6) Hydroclear® Rapid Sand Filter cells. Included are brass compression fittings, inserts and polyflow tubing to complete the pneumatic connections and stainless steel hex head bolts with nuts and washers for mounting.
- 1.4 Six (6) Bray Trough Discharge Butterfly Valves 12 inch with pneumatic actuators to replace the Trough Discharge Valves on six (6) Hydroclear® Rapid Sand Filter cells. Included are brass compression fittings, inserts and polyflow tubing to complete the pneumatic connections and stainless steel hex head bolts with nuts and washers for mounting.

Mr. David Herrmann
August 24, 2010
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Selling price for the above Butterfly Valves, pneumatic lines and stainless steel mounting fasteners shall be \$36,200.00, FOB shipping point with freight allowed to the job site. Delivery of the above equipment is approximately 4 weeks ARO, based on approval of drawings not being a requirement.

Installation Services are not included in this proposal. However should you wish us to assist in the rebuilding of your Hydroclear Filter Cells please contact me or Earl Gehringer.

Pricing shall remain firm for ninety (90) days from the date of this proposal. Payment terms shall be net thirty (30) days. Included as part of this proposal are Siemens Water Technologies Corp. Standard Terms

Should you have any questions regarding this proposal, please contact me at (800) 826-1838 or Mr. Earl Gehringer at 1-715-571-7485. We look forward to working with you in the near future.

Sincerely,
Siemens Water Technologies, Corp.



Thomas Baumann
Customer Service - Zimpro® Systems

SIEMENS WATER TECHNOLOGIES CORP. STANDARD TERMS OF SALE

1. Applicable Terms. These terms govern the purchase and sale of the equipment and related services, if any (collectively, "Equipment"), referred to in Seller's purchase order, quotation, proposal or acknowledgment, as the case may be ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.
2. Payment. Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation provides otherwise, freight, storage, insurance and all taxes, duties or other governmental charges relating to the Equipment shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. All payments are due within 30 days after receipt of invoice. Buyer shall be charged the lower of 1 ½% interest per month or the maximum legal rate on all amounts not received by the due date and shall pay all of Seller's reasonable costs (including attorneys' fees) of collecting amounts due but unpaid. All orders are subject to credit approval.
3. Delivery. Delivery of the Equipment shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, Delivery terms are Ex-Works Seller's facility.
4. Ownership of Materials. All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data and other documents or information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any such material solely for Buyer's use of the Equipment. Buyer shall not disclose any such material to third parties without Seller's prior written consent.
5. Changes. Seller shall not implement any changes in the scope of work described in Seller's Documentation unless Buyer and Seller agree in writing to the details of the change and any resulting price, schedule or other contractual modifications. This includes any changes necessitated by a change in applicable law occurring after the effective date of any contract including these terms. Any costs associated with changes necessitated by a change in applicable law, decision by public official and/or court decisions, or engineering standards occurring after the effective date of this Purchase Order shall be borne Buyer.
6. Warranty. Subject to the following sentence, Seller warrants to Buyer that the Equipment shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship. The foregoing warranty shall not apply to any Equipment that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. If Buyer gives Seller prompt written notice of breach of this warranty within 18 months from delivery or 1 year from acceptance, whichever occurs first (the "Warranty Period"), Seller shall, at its sole option and as Buyer's sole remedy, repair or replace the subject parts or refund the purchase price thereof. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (a) operating and maintaining the Equipment in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller. Seller's warranty does not cover damage caused by chemical action or abrasive material, misuse or improper installation (unless installed by Seller). THE WARRANTIES SET FORTH IN THIS SECTION ARE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO SECTION 11 BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.
7. Indemnity. Seller shall indemnify, defend and hold Buyer harmless from any claim, cause of action or liability incurred by Buyer as a result of third party claims for personal injury, death or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (a) promptly, within the Warranty Period, notifying Seller of any claim, and (b) providing reasonable cooperation in the defense of any claim.
8. Force Majeure. Neither Seller nor Buyer shall have any liability for any breach (except for breach of payment obligations) caused by extreme weather or other act of God, strike or other labor shortage or disturbance, fire, accident, war or civil disturbance, delay of carriers, failure of normal sources of supply, act of government or any other cause beyond such party's reasonable control.
9. Cancellation. If Buyer cancels or suspends its order for any reason other than Seller's breach, Buyer shall promptly pay Seller for work performed prior to cancellation or suspension and any other direct costs incurred by Seller as a result of such cancellation or suspension.
10. Export Clause. Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the Equipment provided under this Agreement, including any export license requirements. Buyer agrees that such Equipment shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.
11. LIMITATION OF LIABILITY. NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE EQUIPMENT SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE EQUIPMENT. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY EVEN IF REMEDIES PROVIDED UNDER SELLER'S DOCUMENTATION FAIL THEIR ESSENTIAL PURPOSE.
12. Miscellaneous. If these terms are issued in connection with a government contract, they shall be deemed to include those federal acquisition regulations that are required by law to be included. These terms, together with any quotation, purchase order or acknowledgement issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. Buyer may not assign or permit any other transfer of the Agreement without Seller's prior written consent. The Agreement shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions.



P.O. Box 2009
 286 Rickenbacker Circle
 Livermore, CA 94551
 Phone: (925) 961-8888
 Fax: (925) 961-8890
 www.frankaolsen.com

QUOTATION

Customer: Rancho Murieta Csd
 Attn: Paul Siebensohn
 Phone: 916-354-3730 Ext:
 Fax: 916-354-2082
 eMail: psiebensohn@rmcsd.com

Quote #	21801
Quote Date	08/24/2010
Terms	Net 30
Exp Date	09/23/2010
Leadtime	Will Advise
FOB Point	Full Freight Allowed
Freight	Freight Allowed

Line	Qty	Item Description	UOM	Unit Price	Ext Price
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Order Note: No Spec Provided
 Freight Included in Price
 Pricing Based on quantity quoted. If quantity
 changes price may change

Delivery Instructions: Will Advise

1	12	10" BOS Dezurik Resilient Seated Butterfly Valve, Uninterrupted Seat, ANSI 125/150 Wafer, Ductile Iron Body, NBR Seat & Shaft Seal Material, 316SS Disc, 316SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls	EA	2,180.00	26,160.00
2	6	12" BOS Dezurik Resilient Seated Butterfly Valve, Uninterrupted Seat, ANSI 125/150 Wafer, Ductile Iron Body, NBR Seat & Shaft Seal Material, 316SS Disc, 316SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls	EA	2,700.00	16,200.00
3	6	10" BOS Dezurik Resilient Seated Butterfly Valve, Uninterrupted Seat, ANSI 125/150 Wafer, Ductile Iron Body, NBR Seat & Shaft Seal Material, 316SS Disc, 316SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls with 7" ENK Extension	EA	3,222.00	19,332.00

Total Lines: 3

TOTAL: 61,692.00

Prepared By:
 Joe Gibbs



P.O. Box 2009
 286 Rickenbacker Circle
 Livermore, CA 94551
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 Fax: (925) 961-8890
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QUOTATION

Customer: Rancho Murieta Csd
 Attn: Paul Siebensohn
 Phone: 916-354-3730 Ext:
 Fax: 916-354-2082
 eMail: psiebensohn@rmcsd.com

Quote #	20664
Quote Date	08/17/2010
Terms	Net 30
Exp Date	09/17/2010
Leadtime	Will Advise
FOB Point	Full Freight Allowed
Freight	Freight Allowed

Line	Qty	Item Description	UOM	Unit Price	Ext Price
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Order Note: No Spec Provided
 Pricing Based on quantity quoted. If quantity
 changes price may change
 Freight Included in Price

Delivery Instructions: Will Advise

1	12	10" BOS Dezurik Resilient Seated Butterfly Valve, Uninterrupted Seat, ANSI 125/150 Wafer, Ductile Iron Body, NBR Seat & Shaft Seal Material, Ductile Iron Nickel Plated Disc, 416SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls	EA	1,820.00	21,840.00
2	6	12" BOS Dezurik Resilient Seated Butterfly Valve, Uninterrupted Seat, ANSI 125/150 Wafer, Ductile Iron Body, NBR Seat & Shaft Seal Material, Ductile Iron Nickel Plated Disc, 416SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls	EA	2,030.00	12,180.00
5	6	10" BOS Disc, 416SS Shaft, Double Acting Cylinder Actuator, 4-Way Solenoid Valve, with Speed Controls with 7" ENK Extension	EA	2,867.00	17,202.00

Total Lines: 3

TOTAL: 51,222.00

Prepared By:
 Joe Gibbs

MEMORANDUM

Date: August 24, 2010
To: Improvements Committee
From: Paul Siebensohn, Director of Field Operations
Subject: Biosolids Removal

RECOMMENDED ACTION

Approve the proposal from Biosolids Recycled, for removal of dry biosolids removal, in an amount not to exceed \$17,000. Funding to come from the Sewer Treatment and Disposal Removal Budget.

BACKGROUND

As waters are treated, residual solids are produced. These solids are then stored on site, dried, tested and removed.

Last year, 2009, we removed approximately 260 tons of solids from our drying beds. In addition to our normal amount of solids produced through treatment, this year we removed eighty thousand gallons of wet sludge out of process Ponds 1 & 2 to our drying beds that needs to be hauled away.

Biosolids Recycling, Inc. has agreed to maintain the same hauling and disposal costs as in previous years at \$39.99 per ton of Class B dried biosolids. Total approval amount is an amount not-to-exceed as total actual amount is unknown until hauled and weighed.