

**AGENDA**  
**SAN ELIJO JOINT POWERS AUTHORITY**  
**MONDAY SEPTEMBER 13, 2010 AT 9:00 AM**  
**SAN ELIJO WATER RECLAMATION FACILITY – CONFERENCE ROOM**  
**2695 MANCHESTER AVENUE**  
**CARDIFF BY THE SEA, CALIFORNIA**

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1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. ORAL COMMUNICATIONS (NON-ACTION ITEM)
5. PRESENTATION OF AWARDS
  - Recognition Certificate for Michael Henke for 10 Years of Service to SEJPA
  - Recognition of Retirement of Scott Carr for 11 Years of Service to SEJPA
  - CASA Honorable Mention for the SEJPA 2010 Outstanding Capital Project Award
6. \* **CONSENT CALENDAR**
7. \* APPROVAL OF MINUTES FOR THE JULY 12, 2010 MEETING
8. \* APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS
9. \* SAN ELIJO WATER RECLAMATION FACILITY TREATED EFFLUENT FLOWS – MONTHLY REPORT
10. \* SAN ELIJO JOINT POWERS AUTHORITY RECYCLED WATER PROGRAM – MONTHLY REPORT
11. \* ITEMS REMOVED FROM CONSENT CALENDAR

*Items on the Consent Calendar are routine matters and there will be no discussion unless an item is removed from the Consent Calendar. Items removed by a "Request to Speak" form from the public will be handled immediately following adoption of the Consent Calendar. Items removed by a Board Member will be handled as directed by the Board.*

**REGULAR AGENDA**

12. PRELIMINARY FINDINGS FOR FINANCING OF THE DEMINERALIZATION TREATMENT SYSTEM AT THE SAN ELIJO WATER RECLAMATION FACILITY

It is recommended that the Board of Directors:

1. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

13. TENTATIVE ORDER NO. R9-2010-0087, NPDES PERMIT NO. CA0107999; WASTE DISCHARGE REQUIREMENTS FOR THE SAN ELIJO WATER RECLAMATION FACILITY DISCHARGE TO THE PACIFIC OCEAN VIA THE SAN ELIJO OCEAN OUTFALL

It is recommended that the Board of Directors:

1. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

14. GENERAL MANAGER'S REPORT

Informational report by the General Manager on items not requiring Board action.

15. GENERAL COUNSEL'S REPORT

Informational report by the General Counsel on items not requiring Board action.

16. BOARD MEMBER COMMENTS

This item is placed on the agenda to allow individual Board Members to briefly convey information to the Board or public, or to request staff to place a matter on a future agenda and/or report back on any matter. There is no discussion or action taken on comments by Board Members.

17. CLOSED SESSION

None

A closed session may be held at any time during this meeting of the San Elijo Joint Powers Authority for the purposes of discussing potential or pending litigation or other appropriate matters pursuant to the "Ralph M. Brown Act".

18. ADJOURNMENT

The next regular scheduled San Elijo Joint Powers Authority Board Meeting will be October 11, 2010 at 9:00 a.m.

**NOTICE:**

The San Elijo Joint Powers Authority's open and public meetings meet the protections and prohibitions contained in Section 202 of the Americans With Disabilities Act of 1990 (42 U.S.C Section 12132), and the federal rules and regulations adopted in implementation thereof. Any person with a disability who requires a modification or accommodation, including auxiliary aids or services, in order to participate in a public meeting of the SEJPA Board of Directors may request such modification or accommodation from Michael T. Thornton, General Manager, (760) 753-6203 ext. 72.

The agenda package and materials related to an agenda item submitted after the packet's distribution to the Board is available for public review in the lobby of the SEJPA Administrative Office during normal business hours. Agendas and minutes are available at [www.sejpa.org](http://www.sejpa.org). The SEJPA Board meetings are held on the second Monday of the month, except August.

AFFIDAVIT OF POSTING

I, Michael T. Thornton, Secretary of the San Elijo Joint Powers Authority, hereby certify that I posted, or have caused to be posted, a copy of the foregoing agenda in the following locations:

San Elijo Water Reclamation Facility, 2695 Manchester Avenue, Cardiff, California  
City of Encinitas, 505 South Vulcan Avenue, Encinitas, California  
City of Solana Beach, 635 South Highway 101, Solana Beach, California

The notice was posted at least 72 hours prior to the meeting, in accordance with Government Code Section 54954.2(a).

Date: September 8, 2010



Michael T. Thornton, P.E.  
Secretary / General Manager

SAN ELIJO JOINT POWERS AUTHORITY  
MINUTES OF THE BOARD MEETING  
HELD ON JULY 12, 2010  
AT THE  
SAN ELIJO WATER RECLAMATION FACILITY

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Maggie Houlihan, Chair

Tom Campbell, Vice Chair

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A Meeting of the Board of Directors of the San Elijo Joint Powers Authority (SEJPA) was held Monday, July 12, 2010, at 9:00 a.m., at the San Elijo Water Reclamation Facility at 2695 Manchester Avenue, Cardiff by the Sea, California.

1. CALL TO ORDER

Chair Houlihan called the meeting to order at 9:00 a.m.

2. ROLL CALL

*Directors Present:*

Teresa Barth  
Maggie Houlihan  
Dave Roberts

*Directors Absent:*

Thomas Campbell

*Others Present:*

General Manager  
Director of Finance/Administration  
Director of Operations  
Administrative Assistant  
Accounting Technician  
Safety/HR Administrator

Michael Thornton  
Greg Lewis  
Christopher Trees  
Monica Blake  
Carrie Cook  
Marisa Buckles

*SEJPA Counsel:*

Procopio, Cory, Hargreaves & Savitch

Greg Moser

City of Encinitas,

Director of Public Works

Larry Watt

City of Encinitas,

Public Works Management Analyst

Bill Wilson

City of Solana Beach,

City Manager

David Ott

City of Solana Beach,

Director of Engineering/Public Works

Mohammad "Mo" Sammak

3. PLEDGE OF ALLEGIANCE

Greg Lewis led the Pledge of Allegiance.

4. ORAL COMMUNICATIONS

None

5. PRESENTATION OF AWARDS

None

6. CONSENT CALENDAR

Moved by Board Member Roberts and seconded by Board Member Barth to approve the Consent Calendar with the following vote of approval:

AYES: T. Barth, M. Houlihan, and D. Roberts  
NOES: None  
ABSENT: T. Campbell  
ABSTAIN: None

Consent Calendar:

Agenda Item No. 7	Approval of Minutes for the June 21, 2010 meeting
Agenda Item No. 8	Approval for Payment of Warrants and Monthly Investment Report
Agenda Item No. 9	San Elijo Water Reclamation Facility Treated Effluent Flows – Monthly Report
Agenda Item No. 10	San Elijo Joint Powers Authority Recycled Water Program – Monthly Report
Agenda Item No. 11	Resolution Appointing a Deputy Secretary

12. ITEMS REMOVED FROM CONSENT CALENDAR

None

13. AUTHORIZATION TO NEGOTIATE LEASE PURCHASE/INSTALLMENT SALE OF A MEMBRANE FILTRATION SYSTEM FOR THE SAN ELIJO WATER RECLAMATION FACILITY

General Manager Michael Thornton stated that as part of the SEJPA's recycled water demineralization project, the agency is considering a lease-purchase procurement option for the microfiltration membrane system. This would allow the agency to negotiate simultaneously with the three top manufactures of this type of equipment to obtain the most advantageous agreement. The estimated value of the lease-purchase contract is on the order of \$800,000 to \$1,000,000. The General Manager also stated that due to

the highly technical nature of membrane filtration systems, staff is requesting an agreement be executed with Trussell Technologies to assist in evaluating and selection of the filtration systems, as well as in negotiations of the terms and conditions of the final agreement. The proposed contract value for this effort is for an amount not to exceed \$24,592, which is within the budgeted funds for this project.

Moved by Board Member Barth and seconded by Board Member Roberts to:

1. Authorize the General Manager to negotiate a lease purchase/installment sales agreement for the acquisition of a membrane filtration system that will then be presented to the Board of Directors for approval; and
2. Authorize the Chair to execute an agreement with Trussell Technologies, Inc. for professional engineering services associated with the evaluation and selection of the membrane filtration system.

Motion carried with the following vote of approval:

AYES: T. Barth, M. Houlihan, and D. Roberts  
NOES: None  
ABSENT: T. Campbell  
ABSTAIN: None

14. RESOLUTION OF INTENT STATING THE BOARD OF DIRECTOR'S GOAL OF HAVING SEJPA EMPLOYEES PAY THE FULL EMPLOYEE RATE TO THE CALPERS RETIREMENT PLAN

General Manager Michael Thornton presented Resolution 2010-09 for approval, with the Board of Director's comments incorporated from the June 2010 regular meeting.

Board Member Roberts requested two minor wording changes to Resolution 2010-09: The title to read "...Employees Pay Their Full CalPERS Employee Rate..." and "...the CalPERS employee rate of contribution of eight percent (8%)" to include the word "current" before the word CalPERS.

Moved by Board Member Roberts and seconded by Board Member Barth to:

1. Approve Resolution 2010-09, with the requested edits, Resolution of the Board of Directors of San Elijo Joint Powers Authority Stating Its Goal That Employees Pay their Full CalPERS Employee Rate of Contribution No Later Than July 1, 2014.

Motion carried with the following vote of approval:

AYES: T. Barth, M. Houlihan, and D. Roberts  
NOES: None  
ABSENT: T. Campbell  
ABSTAIN: None

15. DISCUSSION OF DRAFT RECYCLED WATER INFRASTRUCTURE INCENTIVE AGREEMENT WITH SANTA FE IRRIGATION DISTRICT

General Manager Michael Thornton reported that SEJPA staff has been working with Santa Fe Irrigation District (SFID) and San Dieguito Water District (SDWD) to examine new opportunities for developing and expanding the recycled water program. As part of these efforts, SFID has identified two large potable water customers that are strong candidates for conversion to recycled water.

Working collaboratively, SFID and SEJPA staffs have prepared a draft agreement that would allow SFID to finance, build, and own this pipeline. In return, the SEJPA will provide SFID incentive funding of \$450 per acre-foot (AF) of recycled water served to new customers by this pipeline. The cost to SEJPA would be fully offset by the MWD/SDCWA incentive program, of which the SEJPA receives a \$450 per AF incentive until the year 2025.

The proposed agreement has no negative financial impact to the SEJPA, and would likely benefit the SEJPA by expanding the beneficial use of recycled water and increasing water revenues.

Moved by Board Member Roberts and seconded by Board Member Barth to:

1. Approve the Second Amendment to Agreement for Sale of Reclaimed Water to the Santa Fe Irrigation District by the San Elijo Joint Powers Authority.

Motion carried with the following vote of approval:

AYES: T. Barth, M. Houlihan, and D. Roberts  
NOES: None  
ABSENT: T. Campbell  
ABSTAIN: None

15. GENERAL MANAGER'S REPORT

General Manager Michael Thornton reported that the SEJPA's new auditing firm will be provided with the Board of Director's email addresses for the purpose of sending the Board a statement of how to contact the firm if the Board of Directors have any concerns or questions.

16. GENERAL COUNSEL'S REPORT

General Counsel Greg Moser reported that the Gessner litigation is moving forward and SEJPA will be sharing the cost of discovery with the other agencies being sued.

17. BOARD MEMBER COMMENTS

None

18. CLOSED SESSION

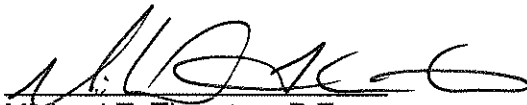
The Board of Directors went into Closed Session per Government Code Section 54957 with respect to Public Employee Performance Evaluation; title: General Manager.

The Board of Directors came out of Closed Session at 9:33 a.m. with no reportable action.

19. ADJOURNMENT

The Board of Directors adjourned at 9:33 a.m. The next Board of Directors meeting will be held on September 13, 2010.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'M. Thornton', written over a horizontal line.

Michael T. Thornton, P.E.  
General Manager



PAYMENT OF WARRANTS

10-09 and 11-09

3-Sep-10

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
<b>10-09 Warrants</b>		
Advanced Air & Vacuum	Inlet valve, 3-way, 2-way and pressure valve - wtr rec.	\$1,359.01
AG Tech, LLC	Biosolids hauling - June	\$4,534.38
AT&T	Phone service - 06/13/10 - 07/12/10	\$365.21
AT&T - Eden Garden	Phone service - 06/20/10 - 07/19/10	\$87.71
Atlas Pumping Service	Grease and scum pumping - June	\$277.44
Bee Safe Bee Removal	Bee removal - Solana Beach P. S.	\$670.00
BHA, Inc.	Survey work - plant	\$964.50
Blake, Monica	Expense report - mileage	\$57.92
Brenntag Pacific, Inc.	Sodium Hydroxide - odor control - plant	\$1,383.32
Buckles, Marisa	Expense report - printing	\$24.47
CDM, Inc.	Electrical upgrades - plant	\$25,438.00
Complete Office	Office supplies - June	\$112.09
Conocophillips Fleet	Vehicle fuel - June	\$1,010.66
Cor-o-van Records Mgmt., Inc.	Record storage - June	\$60.22
County of San Diego,DEH	Reclaimed water shut down testing - wtr rec.	\$238.00
DMV	Safety records	\$1.00
DC Frost Associates, Inc.	Heliclean disposal bags - plant	\$470.88
Dudek & Associates	Sediment disposal area design - plant	\$1,215.00
Dudek & Associates	As needed engineering services - wtr rec.	\$600.00
Environmental Water Solutions	Flame arresters for the methane blowers - plant	\$3,381.73
Ferguson #667	Parts for digester - plant	\$918.29
Ferguson #667	Parts for digester - plant	\$247.88
Golden State Overnight - GSO	Mailing monthly regulatory reports	\$29.84
Green Valley Landscape	Irrigation work - plant	\$578.00
Grainger, Inc.	Wire rope clips - belt press - plant	\$14.81
Hach Company	Turbidity sensor - water reclamation	\$1,448.69
Hach Company	Conductivity probe, gel probe and 10m cable - plant	\$1,321.45
Harbor Freight Tools	Nitrile gloves, extension cord and electric winch - plant	\$243.55
Harbor Freight Tools	Battery charger, extension cord, portable winch - plant	\$176.33
Jani-King	Janitorial supplies	\$269.58
K.P. of CA, Inc.	Disposal of excessive residual in containers - plant	\$120.00
Karcher Insulation Inc.	Blower discharge piping - plant	\$1,089.00
Konica	Monthly copier maintenance	\$134.37
MBC Applied Environmental	Testing - outfall	\$2,492.75
National Golf Operating Partner	Retrofit installation loan refund of credit balance	\$12.70
OMWD	Manchester - 05/10/10 - 06/08/10	\$38.86
OMWD	Manchester - 06/08/10 - 07/12/10	\$32.80
One Source Distributors, Inc.	FEB controller analog card - plant	\$1,767.68
One Source Distributors, Inc.	Repair parts -plant, Eden Gardens, Olivenhain P.S.	\$72.92
Pacific Safety Council	Safety training for traffic control	\$1,250.00
Power Transmission Specialties	Parts for sludge grinder - plant	\$512.37
Probuild	Repairs, shop and field supplies - June	\$514.74
Procopio Cory Hargreaves	General - June - legal service	\$1,539.59
Procopio Cory Hargreaves	Labor and employment - June - legal service	\$769.50
Procopio Cory Hargreaves	Bradley & Debra Gessner v. San Elijo JPA	\$1,111.50
Rockwell Engineering	Vaughan chopper pump - cleaning digester #4	\$2,045.64
Rohan & Sons, Inc.	June - ninety days maintenance service - plant	\$312.00
San Diego Gas and Electric	Gas and electric - 06/08 - 07/08	\$41,904.84
San Diego Gas and Electric	Gas and electric - 06/09 - 07/09 - Cardiff P.S.	\$1,496.13
San Diego Gas and Electric	Gas and electric - 06/09 - 07/09 - Eden Gardens	\$2,478.02
San Diego Gas and Electric	Gas and electric - 05/07 - 06/08	\$1,220.71
San Dieguito Water District	Manchester - 05/26/10 - 06/28/10	\$810.96
San Dieguito Water District	Manchester - 05/26/10 - 06/28/10	\$248.00

PAYMENT OF WARRANTS  
10-09 and 11-09  
3-Sep-10

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
San Dieguito Water District	Manchester - 05/26/10 - 06/28/10	\$580.32
San Dieguito Water District	Manchester - 05/26/10 - 06/28/10	\$158.72
San Dieguito Water District	Manchester - 05/26/10 - 06/28/10	\$3,695.20
San Dieguito Water District	Manchester - 05/24/10 - 07/26/10	\$155.65
San Dieguito Water District	Manchester - 05/24/10 - 07/26/10	\$205.39
San Dieguito Water District	S. Coast Highway - 05/24/10 - 07/26/10	\$45.40
San Dieguito Water District	2710 Manchester - 05/24/10 - 07/26/10	\$211.23
San Dieguito Water District	Installation of 2" recycled water service	\$6,635.25
Santa Fe Irrigation District	Valley - 05/27/10 - 06/30/10	\$36.93
Santa Fe Irrigation District	Highland Dr. - 04/19/10 - 06/16/10	\$398.97
Santa Fe Irrigation District	Seabright Ln - 05/04/10 - 07/02/10	\$51.56
Santa Fe Irrigation District	Lomas Santa Fe Dr - 05/19/10 - 07/19/10	\$2,468.91
Siemens Water Technologies	Hydrogen peroxide - Olivenhain P. S.	\$2,927.27
Siemens Water Technologies	Buffer, ph 4 solution - water reclamation	\$393.27
Smart & Final	Kitchen and meeting supplies - plant	\$140.44
Sunbelt Rentals	Three inch gas diaphragm pump and hose - plant	\$1,262.78
Terra Renewal, LLC	Biosolids hauling - June	\$10,502.96
Thornton, Michael	Expense report - Meeting	\$22.57
Trussell Technologies, Inc.	Recycled water improvement and expansion	\$21,138.02
Trussell Technologies, Inc.	Recycled water improvement and expansion	\$776.00
Underground Service Alert	Dig alert - June	\$82.50
USA Bluebook	Seal - A - basin mixer pump - plant	\$2.18
VWR International, Inc.	Tubes and broth lauryl tryptose - outfall	\$949.95
VWR International, Inc.	EC medium, filter, gloves - plant, lab and outfall	\$849.98
<b>Total 10-09 Warrants</b>		<b>\$163,166.49</b>

**11-09 Warrants**

AG Tech, LLC	Biosolids hauling - July	\$4,629.66
AT&T	Alarm service - July	\$380.72
AT&T	Alarm service - August	\$380.72
AWWA	Membership - M. Henke	\$82.00
Abcana	Hydrochloric acid - plant	\$326.74
Airgas	Propane - forklift - plant and all P.S.	\$94.00
Aquatic Bioassay	Lab testing - lab	\$960.00
Arizona Instrument	Loaner - Jerome meter - Moonlight P.S. and plant	\$210.00
Arrowhead	Kitchen and lab supplies	\$258.66
Atlas Crane Service	Remove digester cap - plant	\$465.00
Atlas Pumping Service	Grease and scum pumping - July	\$1,109.76
Atlas Pumping Service	Grease and scum pumping - August	\$832.32
Atlas Pumping Service	Grit and screening - plant	\$742.35
Atlas Pumping Service	Grit and screening trailer to Arizona - plant	\$2,844.68
Barracuda Networks, Inc.	Network back-up - July and August	\$100.00
Bee Safe Bee Removal	Remove colony from water box - water reclamation	\$295.00
Blake, Monica	Expense report - mileage	\$32.41
Blue Skies Landscape	Landscape service - July	\$1,200.00
Boot World, Inc.	Safety boots - J. Boyle	\$58.70
Boot World, Inc.	Safety boots - K. Regnier	\$58.71
Boot World, Inc.	Safety boots - T. Hutchinson	\$150.00
Brenntag Pacific, Inc.	Sodium Hydroxide - odor control - plant	\$1,324.32
Buckles, Marisa	Employee's appreciation lunch, printing budget reports	\$240.18
CA-NV AWWA	Seminar - M. Henke and M. Piper	\$200.00

PAYMENT OF WARRANTS

10-09 and 11-09

3-Sep-10

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
CA Sanitation Risk Mgmt. Auth.	Liability insurance	\$40,967.00
CA Sanitation Risk Mgmt. Auth.	Property insurance	\$16,201.96
CA Sanitation Risk Mgmt. Auth.	Workers' compensation renewal	\$30,836.00
CDM, Inc.	Electrical upgrades - plant	\$29,367.97
CWEA	Membership - S. Arredondo	\$132.00
CWEA	Membership - R. Chea	\$132.00
CWEA - TCP	Certificate renewal - K. Regnier	\$74.00
CWEA - TCP	Certificate renewal - M. Henke	\$71.00
CWEA San Diego Section	Wastewater lift station training - K. James, E. Hurtado	\$100.00
California Water Technologies	Ferric chloride - plant	\$5,480.38
California Water Technologies	Ferric chloride - August - plant	\$5,356.17
Calpers Educational Forum	Seminar 2010 - C. Cook and M. Buckles	\$600.00
City of Solana Beach	Fiscal Year 2010-11 - Lease payment	\$13,802.50
Companion Corporation	On-line training	\$180.00
Complete Office	Office supplies - July	\$307.26
Complete Office	Office supplies - August	\$388.73
Conocophillips Fleet	Fuel - July	\$921.59
Cor-o-van	Record storage - August	\$62.22
Costco Membership	Membership renewal	\$90.00
County - Air Pollution Control	Permit - Moonlight Beach P. S.	\$296.00
Covad	T-1 service - July	\$359.00
Don Hubbard	Meter reconnect at San Dieguito Academy	\$1,022.06
Deluxe	Checks and envelopes	\$366.49
Edco	Trash service - July	\$184.01
Environmental Water Solutions	Elastometric coupling - blower - plant	\$935.00
GFOA	Membership - G. Lewis	\$160.00
GobioSupplies	Kitchen supplies	\$105.46
Golden State Overnight - GSO	Mailing monthly regulatory reports	\$33.39
Golden State Overnight - GSO	Mailing reports, lab samples, Gessner lawsuit reports	\$80.03
Golden State Overnight - GSO	Mailing monthly regulatory reports	\$44.55
Grainger, Inc.	Cable, wire rope, male adapter - ferric tank - plant	\$102.75
Grainger, Inc.	Wire rope clip - ferric tank - plant	\$251.61
Grainger, Inc.	Epoxy, foam sealant and spray paint - plant, all P.S.	\$620.63
Grainger, Inc.	Wire rope clip - belt press - plant	\$14.42
Grainger, Inc.	Standard blower - digester #4 - plant	\$864.24
Grainger, Inc.	Coverall and hip boots - digester #4 - plant	\$220.36
Grainger, Inc.	Fog horn speaker - press building - plant	\$48.60
Grainger, Inc.	Cable protector - plant	\$73.02
Grainger, Inc.	Ear plugs	\$35.72
Grainger, Inc.	V-belt - plant	\$4.92
Grainger, Inc.	V-belt, driver gloves and palm-knuckle gloves	\$151.68
Hach Company	Small equipment - plant	\$924.38
Harbor Freight Tools	Cable, batteries, chain and roller fairlead - plant	\$117.40
Harrington Industrial Plastics	Valve swing, flange, and adapter - plant , wtr. rec.	\$124.95
Hoch, Adam	Expense report - mileage and printing parcel maps	\$38.30
Horizon Health EAP	EAP - July	\$367.84
Horizon Health EAP	EAP - August	\$367.84
Hydrologix Grease Reduction	July - grease reduction - Coast Blvd. P. S.	\$350.00
Hydrologix Grease Reduction	August - grease reduction - Coast Blvd. P. S.	\$350.00
JPBLA, Inc.	Dramm/ Echter flower growers rec. wtr. conversion	\$1,905.00
Jani-King	Janitorial service - July	\$882.64
Jani-King	Janitorial service - August	\$882.64
Kennedy/Jenks Consultants	Recycled water demineralization - water reclamation	\$4,714.75
Kennedy/Jenks Consultants	Recycled water demineralization - water reclamation	\$1,248.48
Konica	Monthly copier maintenance	\$80.16

PAYMENT OF WARRANTS

10-09 and 11-09

3-Sep-10

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
Lewis, Greg	Expense report - external hard drive - plant	\$74.99
Lewis, Greg	UPS systems - plant, water reclamation, Moonlight P.S.	\$410.01
MBC Applied Environmental	Annual aerial surveys, report on region 9 kelp beds	\$5,398.00
Marine Taxonomic Services	Ocean offshore monitoring - outfall	\$740.00
Material Control, Inc.	Left and right hand pull cords - conveyor belt - plant	\$694.87
McMaster-Carr Supply Co.	Glycerin filled gauge and brass pipe -plant and all P.S.	\$299.86
McMaster-Carr Supply Co.	Glycerin gauge, high-pressure, brass ball-plant, Solana P.S.	\$102.03
MetLifeSBC	Dental insurance	\$1,441.75
MetLifeSBC	Dental insurance	\$1,441.75
Mutual of Omaha	Life and disability insurance - August	\$1,729.09
Mutual of Omaha	Life and disability insurance - September	\$1,693.03
Napa Auto Parts	Parts for plant	\$16.93
Nash Fabricators	Aluminum crossmember support for headworks - plant	\$750.00
Nash Fabricators	Jockey pump - water reclamation	\$486.31
One Source Distributors, Inc.	Eight point analog input blowers - plant	\$946.13
One Source Distributors, Inc.	Electrical supplies - plant and all pump stations	\$413.20
One Source Distributors, Inc.	Generator #2 grounding and gas meter - plant	\$889.04
One Source Distributors, Inc.	Copper wire - plant	\$239.89
Olin Corp - Chlor Alkali	Sodium Hypochlorite - bleach - water reclamation	\$3,411.78
Olin Corp - Chlor Alkali	Sodium Hypochlorite - bleach - water reclamation	\$3,406.13
PERS - Health	Health - August 2010	\$15,150.84
PERS - Health	Health - September 2010	\$15,150.84
PERS - Retirement	Retirement premium - 07/16/10	\$14,111.21
PERS - Retirement	Retirement premium - 07/30/10	\$14,314.07
PERS - Retirement	Retirement premium - 08/13/10	\$14,381.01
PERS - Retirement	Retirement premium - 08/27/10	\$14,394.05
Pacific Pipeline Supply	Saddle brass double strap and plug - Solana Bch P.S.	\$315.55
Palomar Backflow	Backflow certification - Eden Gardens and Solana P.S.	\$90.00
Petty Cash	Replenish petty cash	\$143.02
RoadOne	Towing service for truck repair	\$150.00
RSF - Security	Security service	\$1,482.00
Polydyne Inc.	Clarifloc - plant and water reclamation	\$10,515.26
Postmaster	Stamps	\$427.40
Preferred Benefit Insurance	Vision insurance - July	\$405.05
Preferred Benefit Insurance	Vision insurance - August	\$405.05
Process Equipment Company	Casing o-ring - plant	\$259.35
Procopio, Cory, Hargreaves	Legal service - general - July	\$1,125.00
Procopio, Cory, Hargreaves	Legal service regarding complaint - Gessner	\$5,819.70
Rockwell Engineering and Equip.	Impeller, cutter bar and nut - digester #4 - plant	\$2,051.54
SHRM	Membership - M. Buckles	\$160.00
San Diego Concrete Cutting	Core drill floor - Lomas Santa Fe P.S.	\$220.00
San Diego Gas & Electric	Gas and electric - 07/08 - 08/06	\$42,445.23
San Diego Gas & Electric	Valley - 07/08 - 08/09	\$2,523.19
San Dieguito Water District	Manchester - 06/08/10 - 07/29/10	\$3,434.80
San Dieguito Water District	Manchester - 06/28/10 - 07/29/10	\$156.24
San Dieguito Water District	Manchester - 06/28/10 - 07/29/10	\$538.16
San Dieguito Water District	Manchester - 06/28/10 - 07/29/10	\$243.04
San Dieguito Water District	Manchester - 06/28/10 - 07/29/10	\$649.76
San Dieguito Water District	Reconciliation for Fiscal Year 2009-10 - water rec.	\$20,480.40
Santa Fe Irrigation District	Valley - 06/30/10 - 07/30/10	\$36.93
San Elijo Payroll Account	Payroll - 07/16/2010	\$78,640.97
San Elijo Payroll Account	Payroll - 07/30/2010	\$76,461.38
San Elijo Payroll Account	Payroll - 08/13/2010	\$76,149.73
San Elijo Payroll Account	Payroll - 08/27/2010	\$75,867.82
Siemens Water Technologies	Hydrogen peroxide - Olivenhain P. S.	\$2,640.66

PAYMENT OF WARRANTS

10-09 and 11-09

3-Sep-10

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
Siemens Water Technologies	Hydrogen peroxide - Olivenhain P. S.	\$2,767.74
Simonson, Aaron	Expense report - state exam fee	\$250.00
Simplex Grinnell	Annual fire extinguishers service - plant and all P. S.	\$816.92
Simplex Grinnell	Proper handling of fire extinguisher - staff	\$400.00
Simplex Grinnell	Annual fire extinguishers service-Cardiff, Fletcher P. S.	\$65.00
Smart & Final	Staff appreciation	\$68.46
Sprint	Cellular phone service	\$678.59
State Water Resources Control	State revolving fund	\$834,675.18
Stitcheree Conexions	Employee shirts	\$61.42
Stitcheree Conexions	Employee apron	\$44.73
Terra Renewal, LLC	Biosolids hauling - July	\$10,304.31
Test America	Lab testing	\$878.00
Thatcher Company of CA	Aluminum sulfate - 1,850 gals. - water reclamation	\$2,680.44
Thornton, Michael	Expense report - meeting - recycled water	\$42.89
Thornton, Michael	CASA and WateReuse registration	\$875.00
Thornton, Michael	CASA conference	\$582.39
Trussell	Engineering service - agreement #9	\$6,562.00
UPS	Shipping parts	\$11.47
USA - SA	Dig alert - July	\$64.50
USA Bluebook	Main shaft, phenolic gear and effluent pump - plant	\$616.95
Unifirst Corporation	Uniform service - July	\$429.26
Unifirst Corporation	Uniform service - August	\$412.79
Valley Chain & Gear, Inc.	Masterlink chain - front gate - plant	\$40.84
<b>Total 11-09 Warrants</b>		<b><u>\$1,559,627.95</u></b>
<b>Total 10-09 and 11-09 Warrants</b>		<b><u>\$1,722,794.44</u></b>

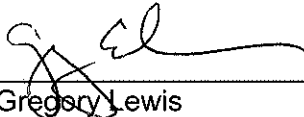
SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS SUMMARY

3-Sep-10

PAYMENT OF WARRANTS		\$1,722,794.44
Reference Number	10-09 and 11-09	

I hereby certify that the demands listed and covered by warrants are correct and just to the best of my knowledge, and that the money is available in the proper funds to pay these demands. The cash flows of the SEJPA, including the Member Agency commitment in their operating budgets to support the operations of the SEJPA, are expected to be adequate to meet the SEJPA's obligations over the next six months. I also certify that the SEJPA's investment portfolio complies with the SEJPA's investment policy.



---

Gregory Lewis  
Director of Finance/Administration  
Treasurer

STATEMENT OF FUNDS AVAILABLE FOR PAYMENT OF WARRANTS  
AND INVESTMENT INFORMATION  
AS OF

3-Sep-10

<u>FUNDS ON DEPOSIT WITH</u>	<u>AMOUNT</u>
<b>LOCAL AGENCY INVESTMENT FUND</b> <i>(JUNE 2010 YIELD 0.55%)</i>	
SELF INSURANCE RESERVE	\$ 300,000.00
RESTRICTED SRF RESERVE	\$ 630,000.00
UNRESTRICTED DEPOSITS	\$ 5,538,487.81
<b>CALIFORNIA BANK AND TRUST</b> <i>(JUNE 2010 YIELD 0.10%)</i>	
REGULAR CHECKING	\$ 28,365.91
PAYROLL CHECKING	\$ 5,000.00
<b>TOTAL RESOURCES</b>	<b>\$ 6,501,853.72</b>

\*

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

September 13, 2010

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO WATER RECLAMATION FACILITY TREATED EFFLUENT FLOWS –  
MONTHLY REPORT

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

Monthly Treatment Plant Performance and Evaluation

Wastewater treatment for the San Elijo Joint Powers Authority (SEJPA) met all NPDES ocean effluent limitation requirements for the months of June 2010 and July 2010. The primary indicators of treatment performance include the removal of Carbonaceous Biochemical Oxygen Demand (CBOD) and Total Suspended Solids (TSS). The SEJPA is required to remove a minimum of 85 percent of the CBOD and TSS from the wastewater. Treatment levels for CBOD and TSS were respectively 96.2 percent and 98.0 percent for June and 97.0 percent and 98.1 percent for July (as shown in Figure 1 and Figure 2).

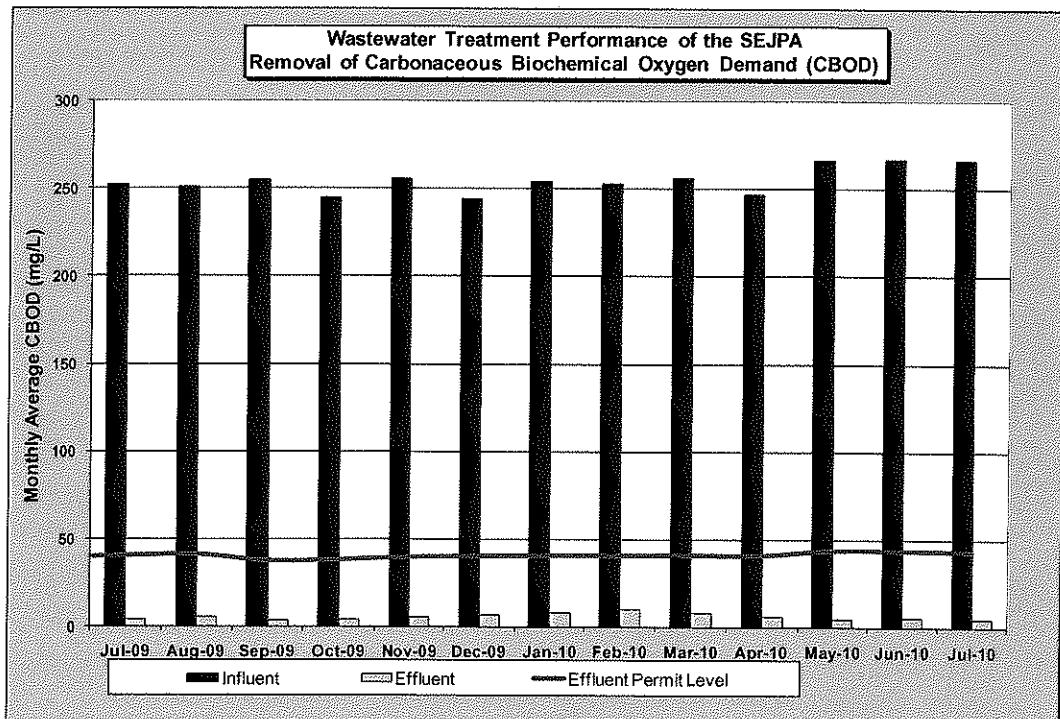


FIGURE 1



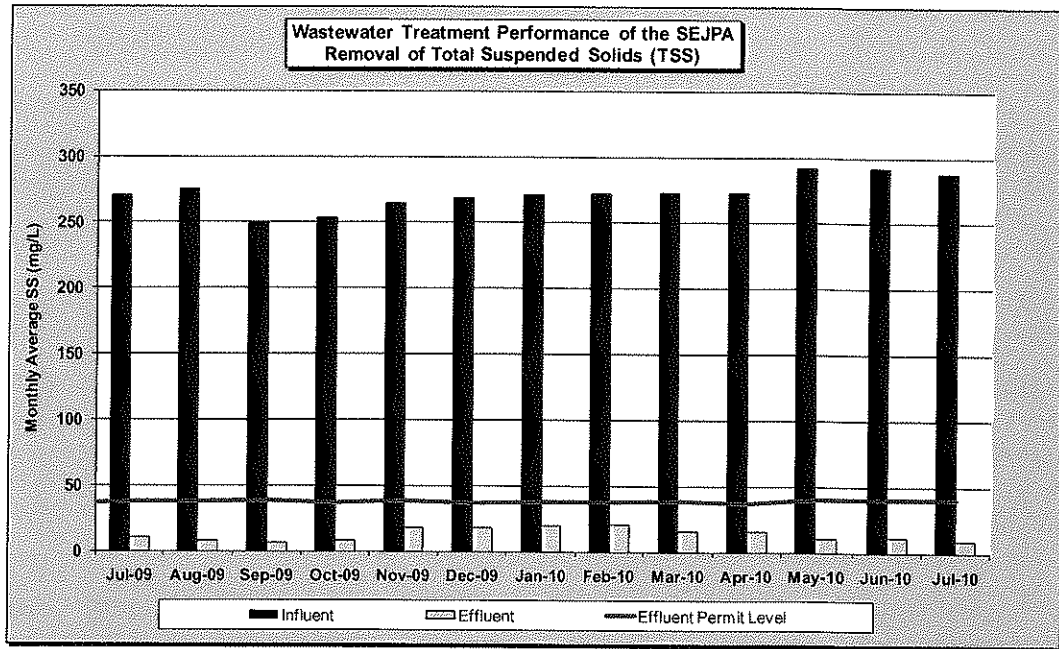


FIGURE 2

### Member Agency Flows

Presented below are the influent and effluent flows for the months of June and July. Average daily influent flows were recorded for each Member Agency. Total effluent flow was recorded for the San Elijo Water Reclamation Facility.

	June		July	
	<u>Influent (mgd)</u>	<u>Effluent (mgd)*</u>	<u>Influent (mgd)</u>	<u>Effluent (mgd)*</u>
Cardiff Sanitary Division	1.437	0.650	1.375	0.694
City of Solana Beach	1.453	0.657	1.466	0.740
Rancho Santa Fe SID	<u>0.122</u>	<u>0.055</u>	<u>0.119</u>	<u>0.061</u>
<b>Total San Elijo WRF Flow</b>	<b>3.012</b>	<b>1.362</b>	<b>2.960</b>	<b>1.495</b>

Notes: As of July 1995, Rancho Santa Fe Community Services District (CSD) combined SID #2 and SID #3 into one Sewer Improvement District (SID).

\* Effluent is calculated by subtracting the recycled water production from the influent wastewater.

Table 1 (attached) presents the historical average, maximum, and unit influent and effluent flow rates per month for each of the Member Agencies. It also presents the number of connected Equivalent Dwelling Units (EDUs) for each of the Member Agencies during this same time period.

Figure 3 (attached) presents the historical average daily flows per month for each Member Agency. This is to provide a historical overview of the average treated flow by each agency. As shown in the figure, the average treated flow typically ranges between 2.9 and 3.1 million gallons per day (mgd). Also shown in Figure 3 is the total wastewater treatment capacity of the plant, 5.25 mgd, of which each Member Agency has the right to 2.5 mgd, and Rancho Santa Fe Community Service District has the right to 0.25 mgd.

City of Escondido Flows

The average and peak flow rate from the City of Escondido's Hale Avenue Resource Recovery Facility, which discharges through the San Elijo Ocean Outfall, is reported below. The following flows are reported by the City of Escondido for the months of June and July:

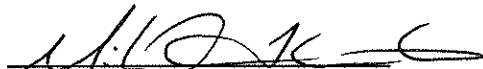
	<b>June (mgd)</b>	<b>July (mgd)</b>
Escondido (Average flow rate)	9.8	9.4
Escondido (Peak flow rate)	18.5	18.2

Connected Equivalent Dwelling Units

The number of EDUs connected for each of the Member Agencies for the months of June and July is as follows:

	<b>June (EDU)</b>	<b>July (EDU)</b>
Cardiff Sanitary Division	8,202	8,204
Rancho Santa Fe SID	474	475
City of Solana Beach	7,428	7,428
San Diego (to Solana Beach)	300	300
<b>Total EDUs to System</b>	<b>16,404</b>	<b>16,407</b>

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

Attachments: Table 1: SEWRF Monthly Report – Flows and EDUs  
Figure 3: Average Daily Flow

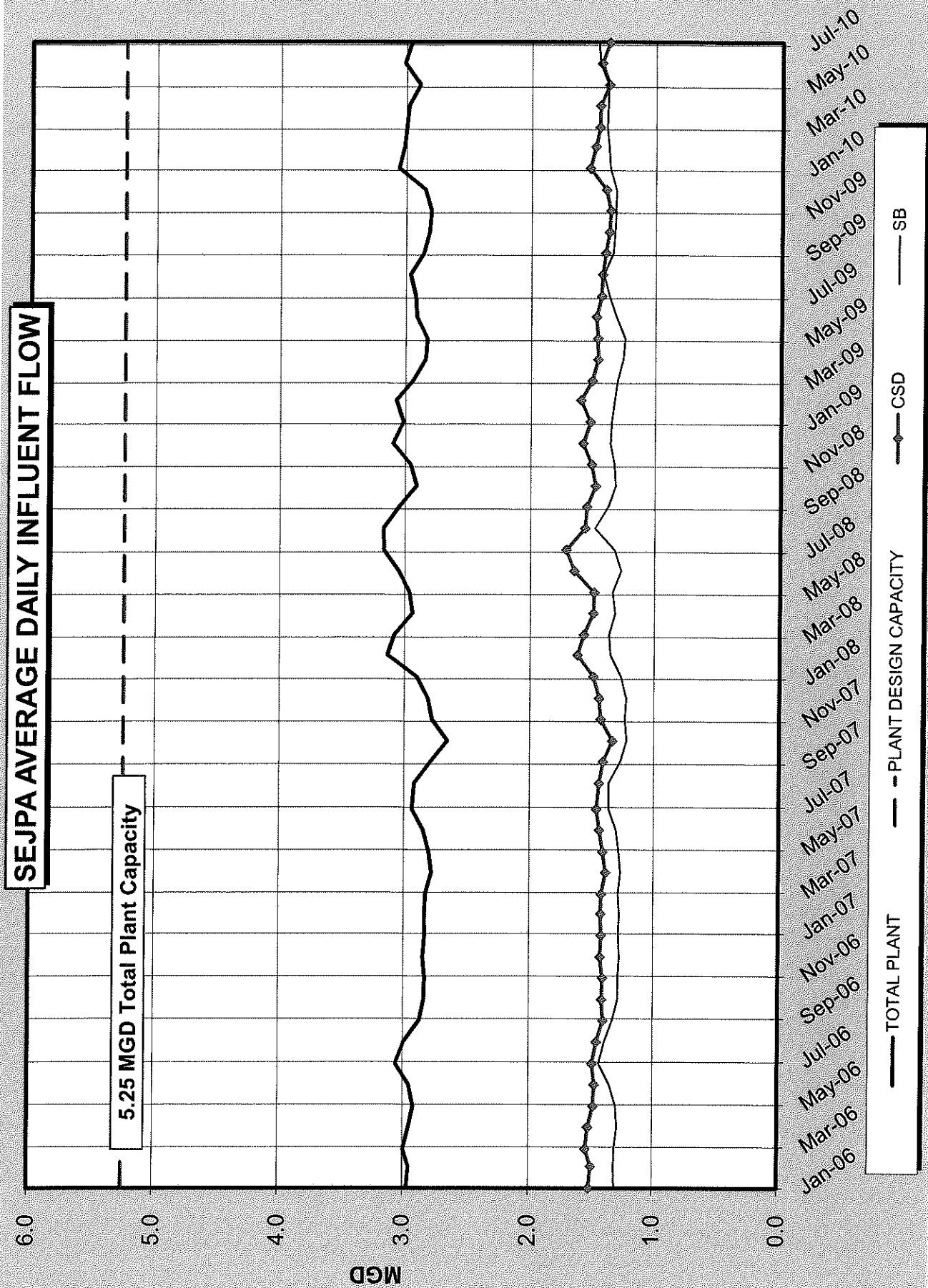


FIGURE 3

**SAN ELIJO WATER RECLAMATION FACILITY MONTHLY REPORT - FLOWS AND EDUS**

MONTH	AVERAGE DAILY INFLUENT FLOW RATE (MGD)			AVERAGE DAILY EFFLUENT FLOW RATE (MGD)			CONNECTED EDUS			AVERAGE UNIT INFLUENT FLOW RATE (GAL/EDU/DAY)			TOTAL PLANT	
	GSD	RSF	SB	GSD	RSF	SB	GSD	RSF	SB	GSD	RSF	SB		TOTAL EDUS
Jan-06	1.515	0.139	1.310	1.410	0.129	1.219	2.758	8.044	423	7,659	188	329	171	184
Feb-06	1.499	0.139	1.313	1.268	0.118	1.111	2.497	8.044	423	7,659	186	329	171	183
Mar-06	1.542	0.144	1.309	1.475	0.137	1.252	2.864	8.044	424	7,659	192	340	171	186
Apr-06	1.523	0.139	1.288	1.400	0.128	1.184	2.712	8.044	424	7,728	189	328	167	182
May-06	1.480	0.134	1.299	0.979	0.089	0.859	1.927	8.066	429	7,728	183	312	168	180
Jun-06	1.471	0.130	1.350	0.762	0.068	0.699	1.529	8.080	430	7,728	182	302	175	182
Jul-06	1.490	0.135	1.436	0.719	0.065	0.693	1.477	8.087	431	7,728	184	313	186	188
Aug-06	1.456	0.144	1.392	0.748	0.074	0.715	1.537	8.088	432	7,728	180	333	180	184
Sep-06	1.403	0.138	1.327	0.744	0.072	0.704	1.520	8.092	432	7,728	172	319	176	176
Oct-06	1.414	0.132	1.286	0.943	0.088	0.857	1.888	8.092	432	7,728	175	306	166	174
Nov-06	1.408	0.135	1.284	1.100	0.105	1.003	2.208	8.094	434	7,728	174	311	166	174
Dec-06	1.429	0.138	1.275	1.296	0.126	1.156	2.578	8.099	436	7,728	175	317	165	175
Jan-07	1.419	0.128	1.282	1.206	0.109	1.089	2.403	8.100	441	7,728	176	290	166	174
Feb-07	1.425	0.129	1.277	1.284	0.116	1.150	2.550	8.106	443	7,728	176	291	165	174
Mar-07	1.421	0.118	1.285	1.014	0.085	0.917	2.016	8.112	444	7,728	175	266	166	173
Apr-07	1.386	0.122	1.267	0.868	0.076	0.794	1.738	8.115	447	7,728	171	273	164	170
May-07	1.411	0.106	1.281	0.763	0.058	0.693	1.514	8.116	448	7,728	174	237	166	172
Jun-07	1.438	0.104	1.304	0.657	0.051	0.632	1.380	8.117	449	7,728	177	232	169	175
Jul-07	1.461	0.109	1.364	0.657	0.049	0.613	1.319	8.119	450	7,728	180	242	177	180
Aug-07	1.442	0.110	1.365	0.571	0.044	0.541	1.156	8.120	450	7,728	178	244	177	179
Sep-07	1.410	0.107	1.270	0.596	0.046	0.537	1.179	8.124	452	7,728	174	237	164	171
Oct-07	1.335	0.096	1.222	0.777	0.056	0.712	1.545	8.124	452	7,728	164	213	158	163
Nov-07	1.430	0.113	1.235	1.122	0.088	0.969	2.179	8.138	453	7,728	176	250	160	170
Dec-07	1.443	0.143	1.225	1.380	0.137	1.171	2.688	8.144	453	7,728	177	316	159	172
Jan-08	1.491	0.144	1.268	1.488	0.144	1.266	2.898	8.146	454	7,728	183	318	164	178
Feb-08	1.620	0.162	1.355	1.499	0.150	1.254	2.903	8.150	456	7,728	199	356	175	192
Mar-08	1.569	0.149	1.365	1.261	0.119	1.097	2.477	8.151	456	7,728	183	326	177	189
Apr-08	1.493	0.125	1.318	1.154	0.097	1.019	2.270	8.151	456	7,728	183	274	171	180
May-08	1.487	0.136	1.339	0.755	0.069	0.680	1.504	8.153	456	7,728	182	289	173	181
Jun-08	1.649	0.131	1.270	0.647	0.052	0.498	1.197	8.161	456	7,728	202	288	164	187
Jul-08	1.713	0.131	1.324	0.722	0.055	0.568	1.335	8.163	456	7,728	210	288	171	194
Aug-08	1.562	0.125	1.483	0.608	0.048	0.577	1.233	8.165	457	7,728	191	274	192	194
Sep-08	1.547	0.121	1.378	0.813	0.064	0.724	1.601	8.167	459	7,728	189	264	178	186
Oct-08	1.478	0.111	1.319	0.671	0.051	0.599	1.321	8.170	460	7,728	181	242	171	178
Nov-08	1.511	0.118	1.329	1.080	0.084	0.950	2.114	8.171	460	7,728	185	256	172	181
Dec-08	1.580	0.156	1.362	1.446	0.143	1.246	2.835	8.172	462	7,728	193	338	176	189
Jan-09	1.522	0.141	1.354	1.256	0.116	1.117	2.489	8.177	462	7,728	186	306	175	184
Feb-09	1.599	0.145	1.330	1.408	0.128	1.171	2.707	8.179	462	7,728	196	314	172	188
Mar-09	1.510	0.124	1.307	1.030	0.085	0.892	2.007	8.180	463	7,728	185	288	169	180
Apr-09	1.463	0.116	1.262	0.731	0.058	0.630	1.419	8.183	463	7,728	179	251	163	174
May-09	1.465	0.117	1.247	0.712	0.057	0.606	1.375	8.185	464	7,728	179	252	161	173
Jun-09	1.479	0.115	1.319	0.712	0.056	0.635	1.403	8.185	465	7,728	181	248	171	178
Jul-09	1.437	0.109	1.376	0.599	0.045	0.573	1.217	8.186	467	7,728	175	234	178	178
Aug-09	1.431	0.113	1.419	0.603	0.047	0.598	1.248	8.186	467	7,728	175	242	184	181
Sep-09	1.404	0.108	1.346	0.690	0.053	0.661	1.404	8.187	468	7,728	171	231	174	174
Oct-09	1.375	0.108	1.332	0.744	0.058	0.721	1.523	8.187	468	7,728	168	231	172	172
Nov-09	1.366	0.111	1.323	0.843	0.069	0.816	1.728	8.189	469	7,728	167	237	171	171
Dec-09	1.401	0.127	1.322	1.149	0.104	1.084	2.337	8.193	469	7,728	171	271	171	174
Jan-10	1.532	0.155	1.372	1.271	0.128	1.138	2.537	8.196	472	7,728	187	329	178	187
Feb-10	1.487	0.148	1.362	1.371	0.136	1.274	2.781	8.197	474	7,728	181	313	179	184
Mar-10	1.455	0.145	1.398	1.108	0.110	1.064	2.282	8.198	474	7,728	177	306	181	183
Apr-10	1.451	0.137	1.391	1.058	0.100	1.014	2.172	8.198	474	7,728	177	289	180	182
May-10	1.379	0.128	1.385	0.672	0.063	0.675	1.410	8.201	474	7,728	168	270	179	176
Jun-10	1.437	0.122	1.453	0.650	0.055	0.657	1.362	8.202	474	7,728	175	258	188	184
Jul-10	1.375	0.119	1.466	0.694	0.061	0.740	1.495	8.204	475	7,728	168	251	190	180

**TABLE 1**

GSD: Credit Sanitary Division  
 RSF: Credit Sanitary Division  
 SB: Credit Sanitary Division  
 ASSUMPTIONS: SB average flow includes San Elijo Hills flow of .131 mgd  
 SB Connected EDUs includes 308 EDUs for the City of San Diego  
 EDU: Equivalent Dwelling Unit

\*

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

September 13, 2010

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO WATER RECLAMATION PROGRAM – MONTHLY REPORT

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

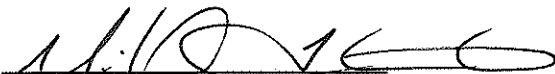
*Recycled Water Production*

For the month of June 2010, recycled water demand was 142.72 acre-feet (AF), which was met using 141.91 AF of recycled water and 0.80 AF of supplementation with potable water. This equates to a blend mix for June of 99.4 percent recycled water and 0.6 percent potable water supplementation.

For the month of July 2010, recycled water demand was 135.84 acre-feet (AF), which was met using 135.10 AF of recycled water and 0.74 AF of supplementation with potable water. This equates to a blend mix for July of 99.5 percent recycled water and 0.5 percent potable water supplementation.

Figure 1 (attached) provides monthly supply demands for recycled water over the last five years. Figure 2 (attached) provides a graphical view of annual recycled water demand spanning the last ten fiscal years. Recycled water demand can fluctuate from year to year, which is typically a function of weather. For example, Fiscal Year 2003-04, an unusually dry year, resulted in increased recycled water demand; and Fiscal Year 2004-05, an unusually wet year, resulted in lower recycled water demand.

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

**ANNUAL RECYCLED WATER DEMAND**

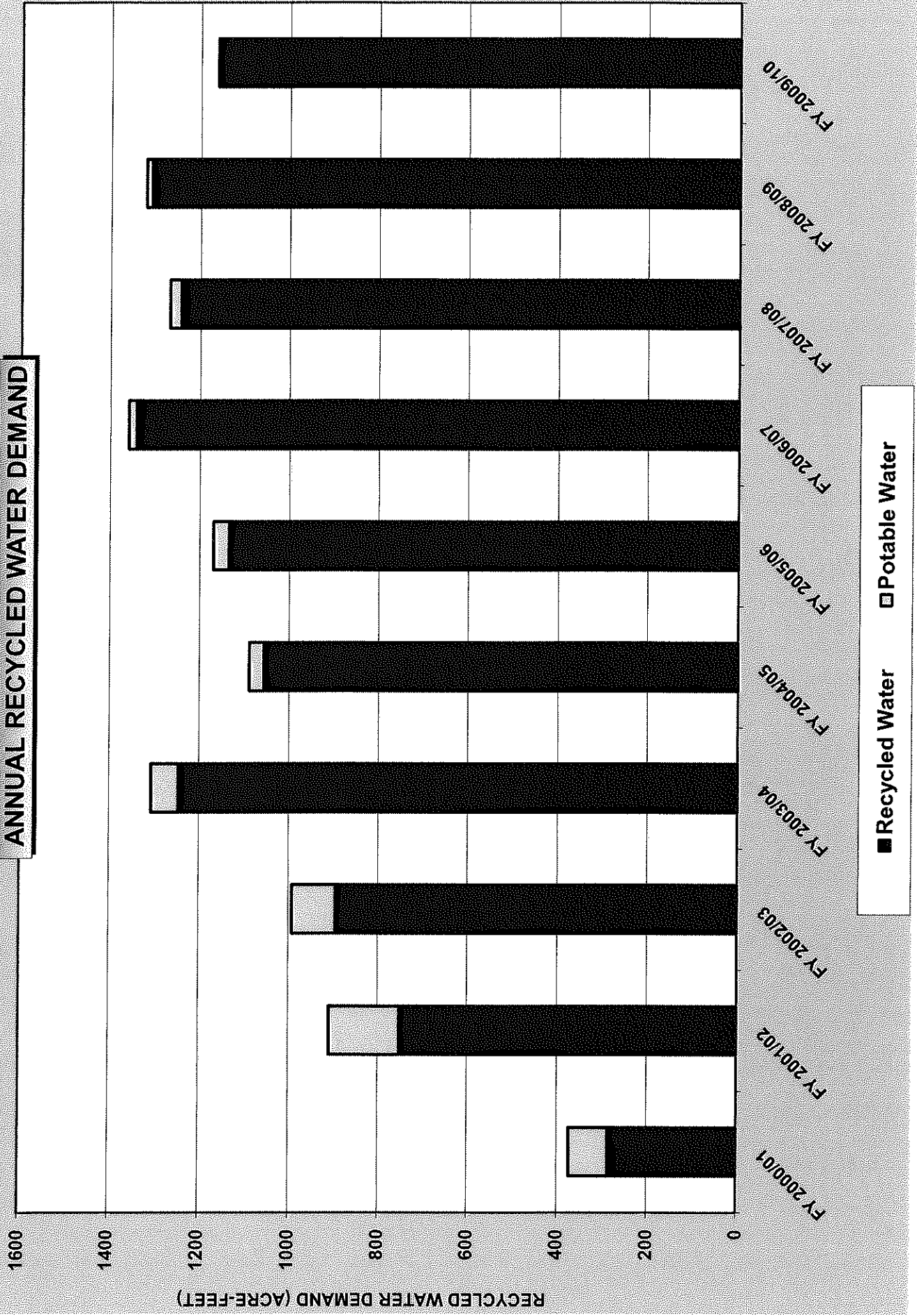
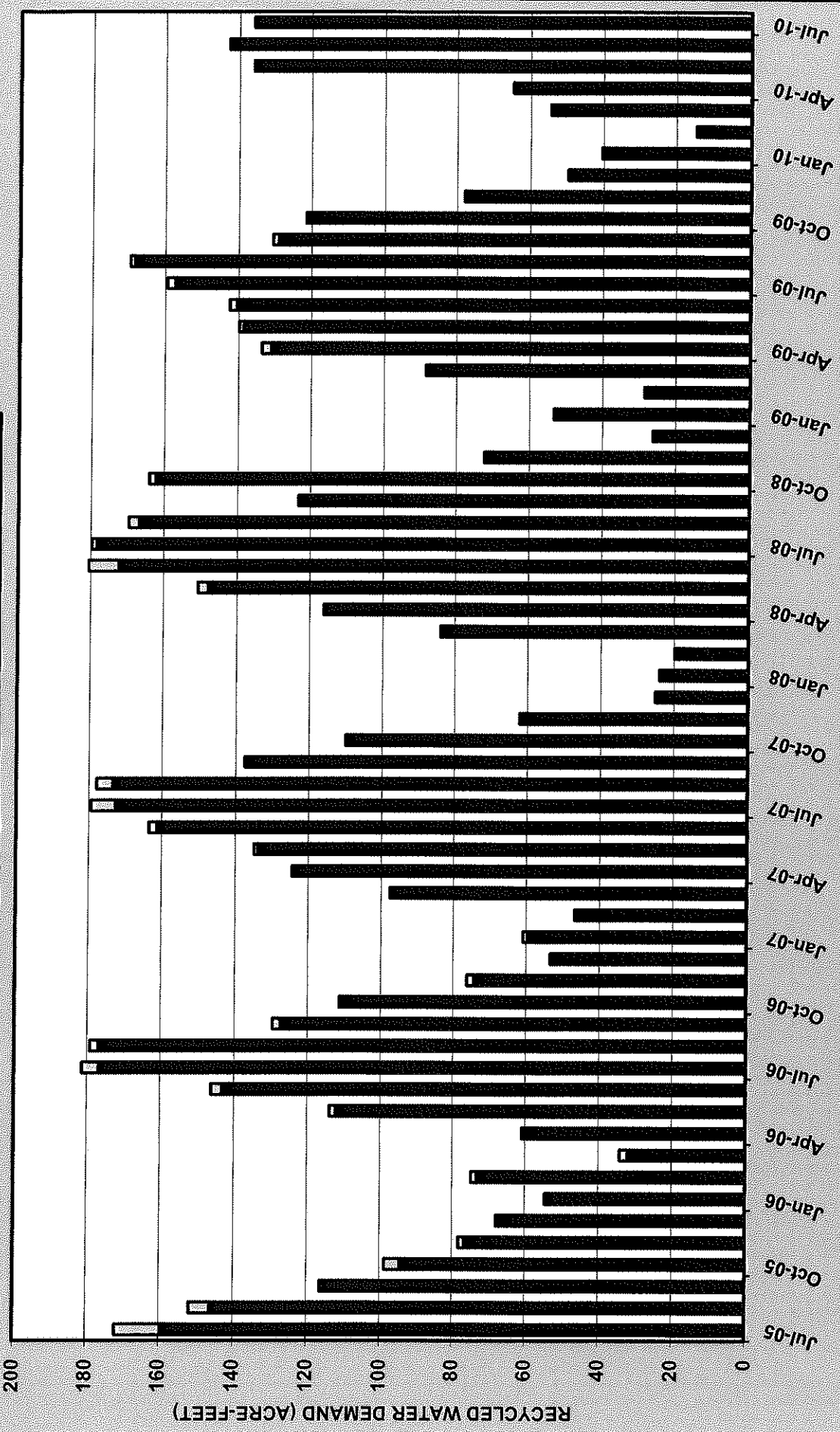


Figure 2

**MONTHLY RECYCLED WATER DEMAND**



□ Potable Water ■ Recycled Water

Figure 1



SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

September 13, 2010

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: PRELIMINARY FINDINGS FOR CAPITAL FINANCING OF THE PROPOSED  
DEMINERALIZATION TREATMENT SYSTEM AT THE SAN ELIJO WATER  
RECLAMATION FACILITY

RECOMMENDATION

It is recommended that the Board of Directors:

1. Discuss and take action as appropriate.

BACKGROUND

The San Elijo Joint Powers Authority (SEJPA) is pursuing advanced water treatment improvements to the San Elijo Water Reclamation Facility that will allow the agency to maximize its recycling efforts and to maintain water quality at required levels. Currently, SEJPA Water Reclamation Program has had difficulties in achieving permit compliance for total dissolved solids (TDS), which is also referenced as salinity, in the recycled water. The source of the TDS is a combination of higher TDS in the local water supply, TDS infiltration into the sanitary collection systems, and use of salt-base water softeners by homes and businesses.

In 2009, the SEJPA began planning and permitting efforts for the construction of an advanced water treatment system to remove TDS from the recycled water. In December 2009, the preliminary design was completed and the project is now in final design. The planned treatment process will include 1.0 million gallons per day (mgd) of microfiltration (MF) or ultrafiltration (UF) treatment capacity, followed by 0.5 mgd of reverse osmosis (RO) treatment capacity. The treatment process will reduce the total dissolved solids (TDS) levels in the recycled water which is beneficial for plants, trees, and grasses, as well as help the region manage salinity levels in the local ground water basins. The treatment process also removes bacteria, viruses, and other microconstituents and impurities, making the recycled water safer and more reliable for the public. As a result, the higher water quality will expand opportunities for serving new customers and possibly new beneficial uses of the water. The SEJPA recycles approximately one-third to one-half of the wastewater it receives, discharging the remaining effluent to the Pacific Ocean.



## DISCUSSION

The Advanced Water Treatment System or Demineralization Project is estimated to cost \$5 million. The SEJPA has funded approximately \$1 million of the project from its Recycled Water Program and is seeking construction loan approval for \$4 million. Staff has researched a variety of funding options which might be available to the SEJPA. Table 1, below, provides approximate terms that are presently available to the SEJPA. These terms are sensitive to market conditions and could likely change in future months.

**TABLE 1 – Estimated Terms for Potential Construction Loan**

<b>Lender</b>	<b>Loan Type</b>	<b>Loan Amount</b>	<b>Interest Rate</b>	<b>Loan Period</b>
Clean Water State Revolving Fund	Fixed	\$4M	2.7%	20 years
Siemens	Fixed	\$4M	4.3%	20 Years
Local Bank	Variable	\$4M	3.9% Fixed 10 yrs	20 Years

Notes: Siemens funding is based upon the SEJPA selecting and purchases Siemens equipment.

Of the funding sources, staff has focused their efforts on the Clean Water State Revolving Fund (CWSRF) loan program, as this program offers the best loan terms for the SEJPA. Staff has completed a loan application with the CWSRF program, and the necessary supporting document and loan resolutions are being prepared.

## FINANCIAL IMPACT

Receiving a loan through the CWSRF program, based on the stated terms in Table 1, would result in a debt service payment of \$259,000 per year, which equates to \$1.18 million in interest payments over the life of the loan. The Siemens loan option would result in a debt service payment of approximately \$298,000 per year, which equates to \$1.97 million in interest payments over the life of the loan. The local bank option would result in a debt service payment of approximately \$288,000 per year, which equates to \$1.77 million in interest payments over the life of the loan (assuming the interest rate does not change during the final 10 years of the loan). If the SEJPA is successful in obtaining a CWSRF loan, this could result in savings in excess of \$590,000 over the life of the loan as compared to the next lowest identified loan option.

It is therefore recommended that the Board of Directors:

1. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

September 13, 2010

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: TENTATIVE ORDER NO. R9-2010-0087, NPDES PERMIT NO. CA0107999;  
WASTE DISCHARGE REQUIREMENTS FOR THE SAN ELIJO WATER  
RECLAMATION FACILITY DISCHARGE TO THE PACIFIC OCEAN VIA THE  
SAN ELIJO OCEAN OUTFALL

RECOMMENDATION

It is recommended that the Board of Directors:

1. Discuss and take action as appropriate.

BACKGROUND

California Regional Water Quality Control Board (Regional Board) Order No. R9-2005-0100 (NPDES PERMIT NO. CA0107999) established requirements for the San Elijo Joint Powers Authority's (SEJPA) discharge of treated municipal wastewater from the San Elijo Water Reclamation Facility to the San Elijo Ocean Outfall. This Order incorporated both state and federal water quality requirements and has a scheduled renewal frequency of every 5 years. In December 2009, the SEJPA submitted a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, to commence the permit renewal process for 2010. Order No. R9-2005-0100 was to expire on June 8, 2010, but was extended until a new permit was formally adopted. On August 2, 2010, Regional Board provided the SEJPA with the Tentative Order No. R9-2010-0087, which is intended to replace the existing Order No. R9-2005-0100.

The SEJPA provided written comments to the Regional Board on the Tentative Order (attached) dated August 25, 2010. The Regional Board then provided a written response letter to these comments and an errata sheet for the proposed Tentative Order. These documents and the proposed Tentative Order can be found at the San Diego Regional Water Quality Control Board website, under Agenda Item No. 16.

[http://www.waterboards.ca.gov/sandiego/board\\_info/agendas/2010/sep/Sep08.shtml](http://www.waterboards.ca.gov/sandiego/board_info/agendas/2010/sep/Sep08.shtml)

Agenda Item No. 16 from the Regional Board website regular meeting on September 8, 2010 is as follows:

16. NPDES Permit Reissuance: San Elijo Joint Powers Authority, San Elijo Water Reclamation Facility Discharge to the Pacific Ocean via the San Elijo Ocean Outfall (Tentative Order No. R9-2010-0087, NPDES Permit No. CA0107999) (Joann Cofrancesco)

- Executive Officer Summary Report
- Supporting Document No. 1. - Map
- Supporting Document No. 2. - Transmittal letter to Discharger
- Supporting Document No. 3. - Tentative Order No. R9-2010-0087
- Supporting Document No. 4. - Discharger Request for extension of comment period
- Supplemental Executive Officer Summary Report
- Supporting Document No. 5. - Discharger's Comment Letter (August 25, 2010)
- Supporting Document No. 6. - Discharger's Comment Email (September 1, 2010)
- Supporting Document No. 7. - San Diego Regional Board's Response to Comments
- Supporting Document No. 8. - Errata Sheet to Tentative Order No. R9-2010-0087

## DISCUSSION

In general, the proposed Tentative Order is very similar to the existing Order. The Tentative Order continues implementation of technology-based effluent limitations (TBELs) using secondary treatment as established in current Order No. R9-2005-0100. The need for water quality-based effluent limitations (WQBELs) in the Tentative Order for toxic pollutants listed under Table B of the Ocean Plan was evaluated using the reasonable potential analysis (RPA) procedures of the Ocean Plan. The RPA procedures use a statistical approach to determine if the discharge has the potential to cause an exceedance of the water quality objectives for the Pacific Ocean for the toxic pollutants listed under Table B of the Ocean Plan, based on historical effluent data and the dilution factor for the San Elijo Ocean Outfall.

## SIGNIFICANT CHANGES:

The following areas in the Tentative Order differ from current Order No. R9-2005-0100:

1. Based on RPA results, the Regional Board staff concluded that 59 pollutants listed in the Order No. R9-2005-0100 did not have reasonable potential to cause exceedances of the Ocean Plan water quality objectives. Therefore, these pollutants were removed from WQBELs status and designated as performance objectives in the Tentative Order. The monitoring and testing frequency will not be impacted by this change.
2. The 2005 California Ocean Plan provides water quality objectives that were developed by the State Water Resource Control Board and the California Department of Public Health to protect public health and beneficial uses of the ocean waters. The current Order No. R9-2005-0100 applies total and fecal coliform bacteria objectives to a zone bounded by the shoreline and a distance of 1,000 feet from the shoreline or the 30-foot depth contour, whichever is further from the shoreline. The U.S. EPA maintains that based on the Regional Board's Basin Plan definitions for REC-1 beneficial use for Ocean Waters, REC-1 beneficial use must be protected throughout State of California territorial marine waters in the San Diego Region, which extend from surface to bottom, out to three nautical miles from the shoreline. Therefore, the Tentative Order requires that bacterial objectives (total, fecal, and enterococcus) be maintained throughout State of California territorial marine waters outside the initial dilution zone of the ocean outfall.

3. The Tentative Order requires the SEJPA to comply with the water bacteria objectives from the shoreline to a distance of three nautical miles (consistent with Item 2 above). The Tentative Order provides a mandated compliance schedule (presented in Table 1) which requires a work plan to be submitted within 6 months that outlines SEJPA's approach for compliance and that construction of any treatment facilities to be initiated within 36 months.

**Table 1**  
**Regional Board Mandated Compliance Schedule**  
**Ocean Plan Bacteria Objectives**

Task	Compliance Date
1. Prepare and submit a proposed work plan that outlines the tasks and the approach to be used in evaluating and selecting alternatives for ensuring compliance with Bacterial Characteristics receiving water limitations.	No later than 6 months after the adoption date of the Tentative Order.
2. Submit plan and alternatives analysis for ensuring compliance with Bacterial Characteristics receiving water limitations outside the Initial Dilution Zone of the San Elijo Ocean Outfall. The proposed plan shall include a schedule for completion that reflects a realistic assessment of the shortest practicable time required to perform each task.	No later than 18 months after the adoption date of the Tentative Order.
3. Complete financial arrangements for selected alternative.	No later than 30 months after the adoption date of the Tentative Order.
4. Initiate construction of any required facilities	No later than 36 months after the adoption date of this Tentative Order.
5. Complete construction of required facilities and initiate facilities start-up.	No later than 48 months after the adoption date of this Tentative Order.
6. Identify and implement operational refinements and confirm compliance with Bacterial Characteristics receiving water limitations.	No later than 60 months after the adoption date of this Tentative Order.
7. Achieve full compliance with Bacterial Characteristics receiving water limitations outside the Initial Dilution Zone of the San Elijo Ocean Outfall.	No later than 60 months after the adoption date of this Tentative Order.

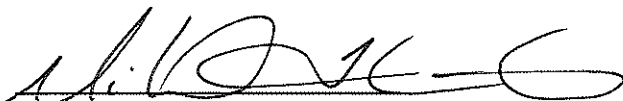
## FINANCIAL IMPACT

At this time, the full financial impact of the new requirements of the Tentative Order has not been determined. As stated in the Tentative Order, SEJPA is required to comply with the new bacteria standards in the ocean waters near and around the San Elijo Ocean Outfall. Over the next six months, the SEJPA will develop a work plan that provides a scientific basis for the means and methods for ensuring water quality compliance. The details of the work plan will provide a better understanding of the probable costs the SEJPA will incur for both capital improvements and ongoing operational costs. For example, the SEJPA could select the use of chlorine disinfection as means for compliance, which is the approach the City of San Diego is using at the Point Loma Wastewater Treatment Plant. Alternatively, the SEJPA could examine opportunities to leverage current planned treatment improvements to the recycled water facility as means for meeting the new standards. This approach would focus on maximizing recycled water production thus minimizing ocean disposal during summer months and by employing microfiltration of ocean bound effluent during the winter when recycled water use is low. The work plan will provide an analysis of several possible options with expected costs for construction and operations for the SEJPA Board of Director's consideration.

It is therefore recommended that the Board of Directors:

1. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

Attachments: TENTATIVE ORDER NO. R9-2010-0087, NPDES PERMIT NO. CA0107999;  
WASTE DISCHARGE REQUIREMENTS FOR THE SAN ELIJO WATER  
RECLAMATION FACILITY DISCHARGE TO THE PACIFIC OCEAN VIA THE  
SAN ELIJO OCEAN OUTFALL

SEJPA COMMENT LETTER TO THE CALIFORNIA REGIONAL WATER  
QUALITY CONTROL BOARD, DATED AUGUST 25, 2010, IN REGARDS TO  
TENTATIVE ORDER NO. R9-2010-0087, NPDES PERMIT NO. CA0107999

Please see separate file for the following attachment:

TENTATIVE ORDER NO. R9-2010-0087

NPDES PERMIT NO. CA0107999



**SAN ELIJO  
JOINT POWERS AUTHORITY**

August 25, 2010

**BOARD OF DIRECTORS**

Teresa Barth  
Thomas M. Campbell  
Maggie Houlihan  
David W. Roberts

**ADMINISTRATION**

Michael T. Thornton  
General Manager

Mr. David Gibson, Executive Officer  
San Diego Regional Water Quality Control Board  
9174 Sky Park Court, Suite 100  
San Diego, CA 92123-4340

RE: WDID: 9 000000125:jcofrancesco  
Subject: Tentative Order No. R9-2010-0087, NPDES Permit No. CA0107999

Dear Mr. Gibson:

The San Elijo Joint Powers Authority (SEJPA) has received the subject Tentative Order dated August 2, 2010. The SEJPA has used the last two weeks to carefully review the Tentative Order and we agree and support the majority of the language. However, we have identified some new requirements that will require a detailed analysis to determine means, schedule, and cost for compliance. At this time, it is unclear to the SEJPA the full impact of Provision VII.B.6 of the Tentative Order, which could have significant cost associated with the design and construction of new treatment facilities. Additionally, we have identified a list of errata, discrepancies, questions, and other issues in Tentative Order No. R9-2010-0087 that will require revision or clarification prior to adoption.

The Regional Board has requested that all written comments be submitted by 5:00 p.m. on August 25, 2010 and so we have compiled the attached list of questions and comments in accordance with that request. This is a draft list of comments and questions, and we would like the opportunity to meet with Regional Board staff to discuss. Due to the limited time that we have had to review the permit, this list may not include all of the items that need to be addressed and we reserve the right to add additional items in the future.

Your consideration of our request is appreciated. If you have any questions, please contact me at 760-753-6203 ext. 72.

Sincerely,  
SAN ELIJO JOINT POWERS AUTHORITY

  
Michael T. Thornton, P.E.,  
General Manager

cc: James Smith, Assistant Executive Officer, RWQCB  
Lori Vereker, Director of Utilities, City of Escondido  
Christopher Trees, Director of Operations, SEJPA

2695 Manchester Avenue • P.O. Box 1077 • Cardiff by the Sea • CA 92007-7077 • (760) 753-6203 • (760) 753-5935 FAX

## SEJPA - 2010 Draft NPDES Permit Comments

Comment #	Page #	Section	Comment or Question
1	1	Table 3	"This Order shall expire on: November 30, 2010" should be amended to the year 2015.
2	8	Paragraph III.C	Paragraph III.C. is not clear - could be read as if any discharge greater than 5.25 MGD at Discharge Point No. 1 is prohibited, when only greater than 5.25 MGD from the SEWRF is prohibited. Consider revising sentence for clarity.
3	9	Table 7	End Note 1, which explains scientific "E" notation, should have superscript "powers" (e.g. "6.1 x 10 <sup>2</sup> " should be 6.1 x 10 <sup>7</sup> ).
4	9	Table 7	SEJPA is assessing the possibility that the maximum cyanide concentration reported by SEJPA during 2005-2010 is incorrect due to a laboratory reporting error. If this is the case, the RPA analysis (Table F-12 on page F-22) may require revision and it may be appropriate for cyanide to be regulated by performance goal instead of a WQBEL. SEJPA is also reassessing prior monitoring data submitted to the Regional Board during 2005-2010 to ensure that concentration units were properly reported. Revised monitoring reports will be submitted to the Regional Board if necessary if SEJPA discovers any reporting discrepancies in the 2005-2010 data.
5	10	Table 8	Objectives for protection of human health - noncarcinogens have 30-Day Average performance goal limitations that significantly differ from SEJPA calculations (and the previous permit) using the methodology prescribed in Attachment F. The listed performance goal concentrations appear to be low by a factor of approximately 2.7. The performance goal mass emissions listed in Table 8 appear to be low by a factor of approximately 2.9.
6	11	Table 8	Objectives for protection of human health - noncarcinogens have 30-Day Average performance goal limitations that significantly differ from SEJPA calculations (and the previous permit) using the methodology prescribed in Attachment F. The listed performance goal concentrations appear to be low by a factor of approximately 2.7. The performance goal mass emissions listed in Table 8 appear to be low by a factor of approximately 2.9.
7	12	Table 8	The parameter noted as "Chlorodibromethane" should be noted as Chlorodibromomethane.
8	13	Table 8	End Note 1, which explains scientific "E" notation, should have superscript "powers" (e.g. "6.1 x 10 <sup>2</sup> " should be 6.1 x 10 <sup>7</sup> ).
9	13	Table 8	End Note 3, specifies that y = the water quality objective "(in ug/l)". The units should be revised to read "in ug/l".
10	13	Table 8	End Note 3, refers to Ocean Plan (2001). The SEJPA believes that this should refer to the 2005 Ocean Plan.
11	13	Table 8	End Note 3, identifies that the effluent limitations were derived using a flow rate of "18 MGD." This flow rate should be revised to 5.25 MGD.
12	14	Paragraph V	This paragraph ties SEJPA "jointly" to all dischargers and calls a violation of surface water limitations to SEJPA whether it is due to our discharge or not. Storm water quality issues could cause a violation of this permit. Please provide an explanation of why the SEJPA permit is being indiscriminately tied to all other discharges.
13	16	Paragraph V.A.3.d	Add "(2005)" before Ocean Plan.
14	16	Paragraph V.A.3.g	This paragraph specifies that the numerical water quality objectives in "Chapter II, Table B of the California Ocean Plan (2001)..." The SEJPA believes this should read "Chapter II, Table B of the (2005) Ocean Plan".
15	16	Paragraph V.A.3.g	This paragraph refers to "Hale Avenue Resource Recovery Facility". The SEJPA believes that the appropriate reference should be to the "San Eljo Water Reclamation Facility".
16	18	Paragraph VI.A.2.i	"This Order shall expire on: November 30, 2010" should be amended to the year 2015.
17	20	Paragraph VI.C.2.a.ii	This paragraph references the ELO (Escondido Land Outfall). This paragraph should be revised, as the ELO is not applicable to SEJPA.
18	21	Paragraph VI.C.2.b.i	24 hour spill reporting is now required for a spill greater than 1,000 gallons "and/or" reaches "drainage channel, surface waters, or storm drainpipe". In the previous permit, the requirement used to be "and" and "surface waters", respectively. In the Definitions section (page A-10) a Category 1 SSO discharge is defined as (1) equal or exceed 1,000 gallons "OR" (2) result in a discharge to a drainage channel and/or surface water; OR (3).... These two paragraphs should be revised to be consistent. Use "and/or" for both or "or" for both and use consistent receiving structures/waters.



## SEJPA - 2010 Draft NPDES Permit Comments

Comment #	Page #	Section	Comment or Question
19	21	Paragraph VI.C.2.b.i.(b)	Attachment D (page D-7) implies reporting in written form is mandatory, not at the request of the board, as this paragraph states. The two paragraphs should be revised for consistency.
20	22	Paragraph VI.C.2.c	Please define "consistently exceeds" so that SEJPA understands the trigger for more sampling. Is retesting allowed?
21	23	Paragraph VI.C.2.d	Requirement VI.C.2.d should be revised to reflect the fact that SEJPA has already developed and submitted a TRE workplan.
22	24	Paragraph VI.C.5.b	Attachment F (page F-36) does not state that the treatment plant capacity report is a conditional report, as this paragraph states. The two paragraphs should be revised for consistency.
23	25	Paragraph VI.C.5.c.iii	Does this really apply to SEJPA? Need more information to comply.
24	26	Paragraph VI.C.5.e	This section implies that the SEJPA owns the collection system (by stating "Discharger's collection system"). The SEJPA believes that this section should be deleted from the permit, as the sanitary sewer system is owned by the Cities who also manage the permits required by this paragraph.
25	26-27	Paragraph VI.C.6	The arbitrary 3-year time schedule proposed by this tentative order is inappropriate and irrational; the tentative order provides no justification that such a time schedule is achievable. While the City of San Diego was able to develop a plan to achieve bacteriological compliance in a reasonably short period of time, the SEJPA discharge (which discharges directly into State waters) is not like the San Diego Point Loma discharge (which discharges outside the 3-mile zone.) Unlike San Diego, significant SEJPA facilities and operational modifications will be required if surf zone bacteriological standards are applied to all receiving water depths at the edge of the SEJPA zone of initial dilution. Requiring SEJPA to complete and submit a plan and alternatives analysis within six months is untenable. This first task will require SEJPA to (1) develop a proposed work scope for the proposed alternatives analysis, (2) qualify, select, and complete contractual arrangements to bring an outside specialist on board, (3) identify and complete any required laboratory bench-scale testing, monitoring, water quality assessments, or facilities assessments, (4) identify and assess potential compliance options, (5) develop a recommended alternative (or alternatives), and (6) receive SEJPA Board approval for the selected alternative(s). Completing financial arrangements (Task 2 of the tentative order) with three additional months is also not achievable. Attaining the financing for such a system will require a budget for the system, which will require a system design to be nearly completed (for the engineer's estimate). System design could reasonably take a year or more. Funding may also be contingent on completing CEQA analysis and obtaining required permits/approvals for the proposed compliance alternative. Obtaining financing is a lengthy process regardless of financing alternative, particularly in the current economic climate. For example, SEJPA has been working on obtaining SRF funding for a current project for over a year and still does not have approval. Design, construction, testing, and start-up will add to the overall implementation schedule. Coordination between SEJPA and Regional Board staff is recommended to develop a proposed schedule that is realistic and achievable.
26	27	Paragraph VII.B	"...parameter, and alleged..." should be "...parameter, an alleged..."
27	A-2	AWEL	Missing "T" at the beginning of the paragraph.
28	A-2	Best Uses	Should "Best" Uses be "Beneficial" Uses, as was on the last permit?
29	A-3	Best Uses	Begin definition under word to be defined, as is the convention for a majority of the definitions.
30	A-5	Discharge	Begin definition under word to be defined, as is the convention for a majority of the definitions.
31	A-6	DMR	Begin definition under word to be defined, as is the convention for a majority of the definitions.
32	A-6	Estuaries and Coastal Lagoons	Begin definition under word to be defined, as is the convention for a majority of the definitions.
33	A-8	Natural Light	The natural light definition is not a definition. Recommend defining Natural Light first, then identify other important elements of natural light.

## SEJPA - 2010 Draft NPDES Permit Comments

Comment #	Page #	Section	Comment or Question
34	A-10	SSO Categories	24 hour spill reporting is now required for a spill greater than 1,000 gallons "and/or" reaches "drainage channel, surface waters, or storm drainpipe". In the previous permit, the requirement used to be "and" and "surface waters", respectively. In the Definitions section (page A-10) a Category 1 SSO discharge is defined as (1) equal or exceed 1,000 gallons "OR" (2) result in a discharge to a drainage channel and/or surface water; OR (3).... These two paragraphs should be revised to be consistent. Use "and/or" for both or "or" for both and use consistent receiving structures/waters.
35	A-10	SSO Reporting System	Since SEJPA does not operate a collection system so we are not subject to online reporting requirements and do not have access to the online reporting database. Consider removing this section.
36	A-10	Shellfish	Shellfish definition is not alphabetic. Please move to appropriate location.
37	A-11	SWQPAs	How will this be affected by the MLPA?
38	A-12	Water Quality Control Plan	Capitalize the first word of the Water Quality Control Plan definition.
39	A-12	Water Quality Objectives	Begin definition under word to be defined, as is the convention for a majority of the definitions.
40	B-1	Attachment B	The Map does not include narrative denoting where the SEWRF is on the map. The map also cuts off the southern-most monitoring points (e.g. A-14-S) and monitoring location S-8.
41	D-7	Paragraph VI.E.1	On page 21, the permit states that reporting in written form is "upon the request of the board". This paragraph implies that reporting is mandatory (by using the word shall). The two paragraph should be revised for consistency.
42	D-9	Paragraph VII.A.3	This paragraph does not apply to the preceding clause "All POTWs shall provide adequate notice of the following..." Suggest revising to an independent clause, not a part of the list.
43	E-3	Paragraph I.H	SEJPA no longer performs acute toxicity testing. Suggest removing the reference from this paragraph.
44	E-4	Table E-1	Because SEJPA has a sandy bottom around our outfall, our biological consultant recommended trawls as gaining better data than transects. Consider allowing the SEJPA to perform trawls in place of transects.
45	E-4	Table E-3	We currently don't monitor our effluent at station EFF-001. We currently subtract our RW from the Influent to get our Effluent Flows, which has historically been acceptable to the San Diego Water Board. Is this still acceptable?
46	E-5	Table E-3	SEJPA is assessing the possibility that the maximum cyanide concentration reported by SEJPA during 2005-2010 is incorrect due to a laboratory reporting error. If this is the case, the RPA analysis (Table F-12 on page F-22) may require revision and it may be appropriate for cyanide to be regulated by performance goal instead of a WQBEL. In this event, semiannual monitoring of cyanide may be appropriate.
47	E-5	Table E-3	Radioactivity was grab sample in previous permit. Please clarify why this sample type was changed to composite.
48	E-8	Paragraph V	Last paragraph needs to be revised to clarify "exceeded" and be consistent with Paragraph VI.C.2.c in the Order.
49	E-10	Paragraph VIII.A.1-4	There are new requirements for monitoring at the surf zone if there is a bacterial hit. Surf zone quality is typically a function of storm water and other non-point sources. Please explain the rationale for requiring SEJPA to repeat surf zone monitoring for bacterial characteristics when the problem can be proven to not be as a result of the facility discharge through nearshore monitoring. Additionally, water pollution typically moves parallel to the shore, and we have the mouth of the San Elijo Lagoon, a 303(d) listed, impaired water body in our monitoring area. This is why monitoring S-6 is now historical. S-5 may also be in the 303(d) listed area.
50	E-10	Paragraph VIII.A.1	typo - receiving
51	E-10	Paragraph VIII.A.1	Define "Sanitary Survey" so that SEJPA knows how to comply with this requirement.
52	E-10	Paragraph VIII.A.4	How is it possible to know if discharges from the SEWRF are responsible for surf zone issues?
53	E-10	Paragraph VIII.B.1	Reference to "section V.B" may be a typo since that section of the Order is NA. Should it be V.A?

## SEJPA - 2010 Draft NPDES Permit Comments

Comment #	Page #	Section	Comment or Question
54	E-11	Paragraph VIII.B.2	Reference to "section V.B" may be a typo since that section of the Order is NA. Should it be V.A?
55	E-11	Paragraph VIII.C.1	Reference to "section V.B" may be a typo since that section of the Order is NA. Should it be V.A?
56	E-11	Paragraph VIII.C.1	Please explain the rationale for requiring reduced monitoring at the near shore at the surface and mid-depth. Previous permit reduced monitoring was at the surface only.
57	E-11	Paragraph VIII.C.2	Reference to "section V.B" may be a typo since that section of the Order is NA. Should it be V.A?
58	E-13	Paragraph VIII.E	Because SEJPA has a sandy bottom around the outfall, our biological consultant recommended trawls as gaining better data than transects. Consider allowing the SEJPA to perform trawls in place of transects.
59	E-15	Paragraph X.A.2.f	Report now requires detailed statistical analysis? What is rationale for new requirement? Clarification will be needed to comply.
60	E-15	Paragraph X.A.4	Annual reports should be due March 1 not February 1. March 1 was the requirement in the previous permit.
61	E-16	Table E-13	SMR due dates should be March 1 for annual and semi annual reports not February 1. March 1 was the requirement in the previous permit.
62	E-16	Paragraph X.B.4	Refer to 2005 Ocean Plan. What if 2010 Ocean Plan is adopted during this permit cycle? Do we automatically switch to the new Ocean Plan?
63	E-17	Paragraph X.B.4.b	Is "reporting level" the same as MDL? RL is not defined or referred to in any other area.
64	F-4	Paragraph I.C	Supplemental information was not requested. May be referring to Escondido request?
65	F-4	Paragraph II	Change Cardiff Sanitation District to City of Encinitas.
66	F-4	Paragraph II.A	Change "Discharger's Service Area" to "SDWD, SFID, and City of Del Mar"
67	F-4	Paragraph II.A	Remove Ag-Tech name and address since we may change based on low bidder.
68	F-5	Table F-2	Table F-2 notes that the SEJPA reported an effluent pH between 7.1 & 9.0. We cannot find record that our effluent was historically as high as 9.0. Please verify and amend rationale as appropriate.
69	F-8	Paragraph II.D.1	Paragraph D.1. - Please verify if the SEJPA had a pH spike above 9.0. The pH violation is not noted in the list below this paragraph.
70	F-9	Paragraph III.A	Change "surface waters" to "Pacific Ocean".
71	F-10	Table F-3	REC-1 and REC-2 were specifically listed in prior permit.
72	F-10	Paragraph III.C.2	What happens when the 2010 Ocean Plan is adopted? The revised plan is currently out for review.
73	F-10	Table F-4	Fish Migration appears to remain as a beneficial use within the Ocean Plan but has been eliminated from this Table.
74	F-11	Paragraph III.D	Some of our shore sample points may be within the 303d listed area. This paragraph of the permit should be revised.
75	F-13	Paragraph IV.A.3	Does the permit reopen if the Ocean Plan changes?
76	F-17	Paragraph IV.C.3	The Dilution factor may become more important with the new bacteria standards and so more detail should be included in the permit. Include the ZID (41 feet) if appropriate for clarification.
77	F-18	Table F-7	Most Stringent Criteria for Phenolic Compounds and Chlorinated Phenolics do not have superscript endnotes denoting where this data came from.
78	F-18	Table F-7	SEJPA is assessing the possibility that the maximum cyanide concentration reported by SEJPA during 2005-2010 is incorrect due to a laboratory reporting error. If this is the case, the RPA analysis (Table F-12 on page F-22) may require revision and it may be appropriate for cyanide to be regulated by performance goal instead of a WQBEL. In this event, semiannual monitoring of cyanide may be appropriate.
79	F-18	Table F-7	The MSC for chronic toxicity listed in Table F-7 needs to be modified to reflect the fact that the chronic toxicity Ocean Plan limit applies after completion of initial dilution.
80	F-22	Table F-12	SEJPA is assessing the possibility that the maximum cyanide concentration reported by SEJPA during 2005-2010 is incorrect due to a laboratory reporting error. If this is the case, the RPA analysis (Table F-12 on page F-22) may require revision and it may be appropriate for cyanide to be regulated by performance goal instead of a WQBEL. In this event, semiannual monitoring of cyanide may be appropriate.
81	F-23	Table F-12	End Note 1, which explains scientific "E" notation, should have superscript "powers" (e.g. "6.1 x 10 <sup>2</sup> " should be 6.1 x 10 <sup>2</sup> ).

## SEJPA - 2010 Draft NPDES Permit Comments

Comment #	Page #	Section	Comment or Question
82	F-26	Table F-13	Objectives for protection of human health - noncarcinogens have 30-Day Average performance goal limitations that significantly differ from SEJPA calculations (and the previous permit) using a dilution factor of 237, the limitations specified in the 2005 Ocean Plan, and the methodology prescribed in Attachment F. All of the new numbers seem low by a factor of 2.7 or a dilution factor of 88 was used in the calculation.
83	F-27	Table F-13	Objectives for protection of human health - noncarcinogens have 30-Day Average performance goal limitations that significantly differ from SEJPA calculations (and the previous permit) using a dilution factor of 237, the limitations specified in the 2005 Ocean Plan, and the methodology prescribed in Attachment F. All of the new numbers seem low by a factor of 2.7 or a dilution factor of 88 was used in the calculation.
84	F-28	Table F-13	Chlorodibromomethane should be Chlorodibromomethane.
85	F-29	Table F-13	End Note 1, which explains scientific "E" notation, should have superscript "powers" (e.g. "6.1 x 10 <sup>2</sup> " should be 6.1 x 10 <sup>2</sup> ).
86	F-29	Table F-13	End Note 3, specifies that y = the water quality objective "(in ug/l)". Should be revised to read (in ug/l).
87	F-29	Table F-13	End Note 3, identifies that the effluent limitations were derived using a flow rate of "18 MGD." This flow rate should be revised to 5.25 MGD.
88	F-30	Paragraph V	SEJPA recommends that this paragraph be rewritten to note that the California Ocean Plan applies body contact bacteriological standards to (1) areas within 1000 feet of the shore, (2) areas within the 30-foot depth contour, (3) designated kelp beds, or (4) other waters designated by the Regional Board as REC-1. Unlike the pre-1994 version of the Basin Plan, the current version of the Basin Plan applies the REC-1 designation to the Pacific Ocean without distinguishing a difference between coastal waters and deep offshore waters. As a result, Ocean Plan body contact standards are applied to all depths of ocean waters within the three-mile limit.
89	F-32	Paragraph VI.D.1	Paragraph D.1. - This paragraph states that "surf zone monitoring station 5-8...has been created for this Order." Surf zone 5-8 was created for Order No. R9-2005-0100, which was the last order. Update this paragraph as appropriate.
90	F-32	Paragraph VI.D.1	Paragraph D.1. - This paragraph references Monitoring & Reporting Program (MRP) R9-2005-0101, which is the City of Escondido's Order No. Order No. R9-2005-0100 should be used instead.
91	F-33	Paragraph VI.D.2.b&c	Do these retain the requirements of the last permit? If so, state that requirement to be consistent with other sections.
92	F-33	Paragraph VI.E.3	typo-monitor
93	F-34	Paragraph VII.B.1	Year-by-year reopener provision? This should be revised to be more reasonable.
94	F-35	Paragraph VII.B.5.a	Change 5.4 MGD to 5.35 MGD
95	F-36	Paragraph VII.B.5.b	This paragraph implies that the SEJPA is required to perform a treatment plant capacity study. Page 24 states that the treatment plant capacity report is a conditional report. The two paragraphs should be revised for consistency.
96	F-36	Paragraph VII.B.5.e	This section implies (by stating "Discharger's collection system") that the collection system is owned by the SEJPA. The collection system is owned by the respective cities and is managed under their SSMP.
97	F-37	Paragraph VIII.A	Please include a space between "Tribune" and "on" in this paragraph.
98	F-37	Paragraph VII.6	Change compliance schedule to be more reasonable. SEJPA requests 5-8 years for full compliance.
99	G-1	Attachment G	This section used to be the dilution model information. Should the information on the dilution model be added back into the permit?
100	G-1	Paragraph I.B	Will the areas designated in the Marine Life Protection Act be considered as "Areas of Special Biological Significance"?