

John

NIPOMO COMMUNITY SERVICES DISTRICT

AGENDA

18
3.60
1.50
5.10

REGULAR BOARD MEETING MARCH 5, 1997 7:00 P.M.
BOARD ROOM 261 W. DANA STREET, SUITE 100 NIPOMO, CA

BOARD MEMBERS

KATHLEEN FAIRBANKS, **PRESIDENT**
ALEX MENDOZA, **VICE PRESIDENT**
AL SIMON, **DIRECTOR**
ROBERT BLAIR, **DIRECTOR**
GENE KAYE, **DIRECTOR**

STAFF

DOUGLAS JONES, **General Manager**
DONNA JOHNSON, **Secretary to the Board**
JON SEITZ, **General Counsel**

CALL TO ORDER AND FLAG SALUTE

ROLL CALL

APPROVAL OF MINUTES

1. REGULAR MEETING OF FEBRUARY 19, 1997

PUBLIC COMMENTS PERIOD

2. PUBLIC COMMENTS
Public comments on matters other than scheduled items. Presentations limited to three (3) minutes

BOARD ADMINISTRATION (The following may be discussed and acted on by the Board.)

3. NIPOMO CREEK CROSSING - ENGINEERING SERVICES
Consider awarding an agreement for engineering design services for a second Nipomo Creek water line crossing to Cannon Associates
4. SEWER GRANT - SANITARY SURVEY - STAFF REPORT
The District's Federal Grant, that helped pay for the sewer collector system and treatment facility, at the 10th year (now) requires the District to survey all septic tank systems within the original Prohibition Area.

FINANCIAL REPORT

5. APPROVAL OF WARRANTS

OTHER BUSINESS

6. MANAGER'S REPORT
 1. AWWA ANNUAL SECTION CONFERENCE
 2. WRAC MEETING
 3. CARBON AEROGEL INFORMATION
 3. CYPRESS RIDGE LETTER TO THE COUNTY
7. DIRECTORS COMMENTS
8. PUBLIC COMMENTS

CLOSED SESSION - CONFERENCE WITH LEGAL COUNSEL

1. Existing litigation GC§ 54956.9
NCS D vs. Shell Oil, et. al. Case No. CV 077387
2. Existing Litigation, Pratt vs. NCS D Case No. CV 79715 GC§54956
*GC§ refers to Government Code Sections

ADJOURN

NIPOMO COMMUNITY SERVICES DISTRICT

MINUTES

REGULAR BOARD MEETING FEBRUARY 19, 1997 7:00 P.M.
BOARD ROOM 261 W. DANA STREET, SUITE 100 NIPOMO, CA

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CALL TO ORDER AND FLAG SALUTE

President Fairbanks called the February 19, 1997 meeting to order at 7:06 p.m. and led the flag salute.

ROLL CALL

At Roll Call all Board members were present.

APPROVAL OF MINUTES

1. REGULAR MEETING OF FEBRUARY 5, 1997

Upon motion of Director Kaye and seconded by Director Mendoza, the Board unanimously approved the Minutes of the February 5, 1997 meeting.

PUBLIC COMMENTS PERIOD

2. PUBLIC COMMENTS
Public comments on matters other than scheduled items. Presentations limited to three (3) minutes

President Fairbanks opened the meeting to Public Comments:

There were none.

BOARD ADMINISTRATION (The following may be discussed and acted on by the Board.)

3. TRACT 1912 - LETTER OF CREDIT TIME EXTENSION
Request for time extension for performance schedule of Black Lake Wastewater Facility.

Mr. Jones explained the proposed changes in the Performance Schedule concerning the extension of time in the Letter of Credit for Tract 1912. Mr. Kaye asked about the date change and the wording in Item 4. Mr. Jones explained that the date of May 31, 1996 was changed to October 21, 1997 for both Items No. 3 & 4. Carl Alfano assured the Board that only 25 homes would be occupied. The Board wanted to have good control of the stipulation of the 25 homes. A motion was made by Director Simon and seconded by Director Blair to approve the modified language as reflected on Agenda Item #3 Board letter with the provision that once the house is final locks will be put on the meters to assure that occupancy is limited to 25. The Performance Schedule should read as follows:

- 3) At the earliest of either the occupancy of the 25th home or October 21, 1997, the sewer treatment plant expansion shall be completed in conformance with beneficiary's requirements.
- 4) At the earlier of the occupancy of the 25th (twenty-fifth) home or October 21, 1997, the off-site water system improvements shall be completed in conformance with beneficiary's requirements.

The Board approved the revised language in a 4/1 vote with Director Kaye voting no.

MINUTES
FEBRUARY 19, 1997
PAGE THREE

OTHER BUSINESS

8. **MANAGER'S REPORT**
Manager Doug Jones presented information on the following items:

1. CSDA - SLO CHAPTER RECEPTION FEB. 28, TEMPLETON
2. NIPOMO CHAMBER OF COMMERCE - BARN PARTY, MARCH 22
3. AWWA CA-NV SECTION CONFERENCE
4. COUNTY LETTER TO PAVE WEST TEFFT STREET
5. OLDE TOWNE NIPOMO MEETING

9. **DIRECTORS COMMENTS**

There were no Directors comments.

10. **PUBLIC COMMENTS**

John Snyder- Koch California - gave each member of the Board a copy of a portion of Scott Slater's book concerning water rights.
Steve Aslandis of Nipomo spoke about the importance of considering the water needs of all the Mesa rather than just a development here and there.
Jack Carson agreed with Director Mendoza about growth being controlled under one umbrella.

CLOSED SESSION - CONFERENCE WITH LEGAL COUNSEL

Jon Seitz, Legal Counsel for the District, explained the need for the Board to go into Closed Session. At 8:45 p.m. the Board closed the meeting to discuss the following items:

1. Existing Litigation, Pratt vs. NCSD Case No. CV 79715 GC§54956
2. Real Property Negotiation (Walsh), GC§ 54956.8

*GC§ refers to Government Code Sections

The Board came back into open session and had no reportable action on the matters discussed in the Closed Session.

ADJOURN

President Fairbanks adjourned the meeting at 9:50 p.m.

MINUTES
FEBRUARY 19, 1997
PAGE TWO

4. TRACT NO. 1696 - WATER SERVICE
Discussion on providing water service to Tract 1696, 1749 & 2172 located at Willow Rd. & Hwy 1(outside the District boundary)

Mr. Jones explained the request from Mr. Sommermeyer to move forward on Tract 1696. Three projects (Tracts 1696, 1749 AND 2172) have a total of 51 lots. Mr. Sommermeyer asked that the well-site easement be moved to his project (Tract 1696) from the original agreement with Tract 1749. The Board requested that the possible well-site on Tract 1696 have a test hole drilled to determine the pumping capacity. John Snyder, Jim McGillis and Steve Aslandis commented on the project. The Board expressed their opinions on the projects and the well-site. Staff will investigate the matter further.

5. NOTICE OF COMPLETION - INSTALLATION OF WATER LINES - TLC BACKHOE
File Notice of Completion for installation of water lines in Dana, Price, Bennet & Burton Street.

The installation of the water lines replacing old steel lines in Dana, Price, Bennet and Burton Streets is now complete. Upon completion of a project, a Notice of Completion must be filed with the County. There were no public comments. Upon motion of Director Simon and seconded by Director Kaye, the Board unanimously agreed to file the Notice of Completion for the installation of water lines in Dana, Price, Bennet and Burton Streets.

6. SAFETY MINUTES
Review and approve Minutes from District Safety Meeting

Upon motion of Director Blair, seconded by Director Mendoza, the Board acknowledged receipt of the Minutes from the Safety Meeting of February 12, 1996 meeting.

FINANCIAL REPORT

7. APPROVAL OF WARRANTS
John Snyder asked if there were any bills from Hatch & Parent. Answer- No
Upon motion of Director Kaye and seconded by Director Mendoza, the Board unanimously approved the Warrants presented at the February 19, 1997 meeting.

MAR 5 1997

TO: BOARD OF DIRECTORS
FROM: DOUG JONES
DATE: MARCH 5, 1997

**NIPOMO CREEK CROSSING PIPELINE
ENGINEERING DESIGN**

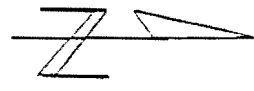
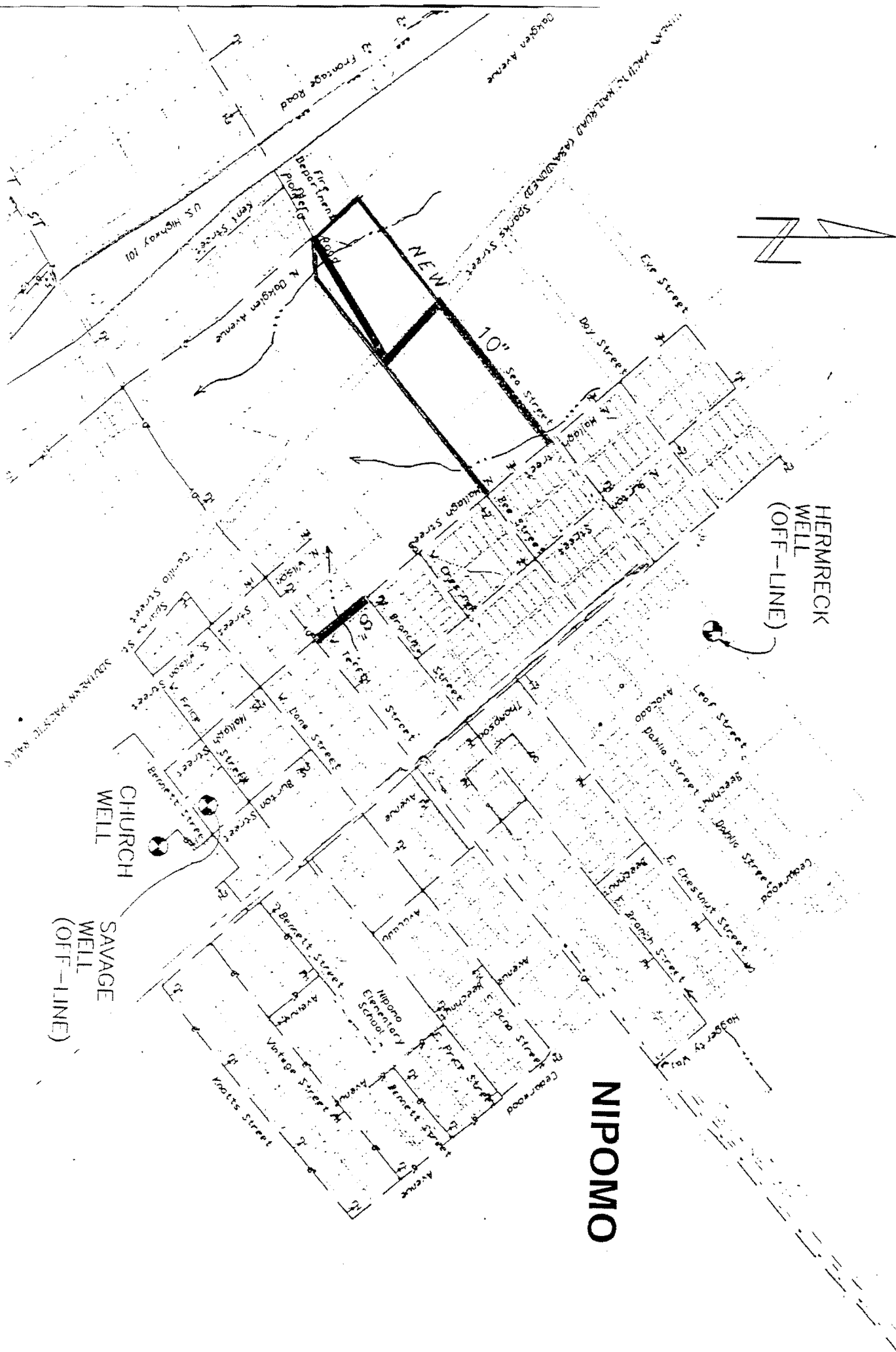
Requests for proposals were sent to six professional engineering firms to design a second water pipeline across Nipomo Creek to connect the east side of Nipomo with the west side. Presently, there is only one 10-inch pipeline connecting the east side with the west side. The Boyle Engineering Water Master Plan recommends two other crossings for redundancy and health and safety of the community. The design of this pipeline is in conformance with the District's Master Plan.

The following proposals were received:

• Cannon Associates	\$ 9,600.00
Garing, Taylor & Associates	\$24,100.00

After reviewing these proposals, staff recommends awarding the engineering design for the second Nipomo Creek water pipeline crossing to Cannon Associates.

The District budgeted \$20,000 for this fiscal year for this work. It is anticipated that when the design is completed, funding will be in next year's budget to construct this pipeline in the late summer or early fall.



HERMRECK
WELL
(OFF-LINE)

CHURCH
WELL

SAVAGE
WELL
(OFF-LINE)

NIPOMO

TO: BOARD OF DIRECTORS
FROM: DOUG JONES
DATE: MARCH 5, 1997

SEWER GRANT - SANITARY SURVEY

This year is the tenth year of the operation of the Nipomo Sewer Project. To be in compliance with Part 3 of the Nipomo Sewer Grant conditions, in the 10th year of operation, the District needs to do a sanitary survey of all on-site disposal systems within the original Prohibition Zone. The District is in the process of implementing this requirement. A sanitary survey form has been developed. The County Health Department has agreed to perform the survey. The County Health Department sent a cost estimate to do the survey. The estimate is attached for the Board's review.

District Code Section §4.08.210 "right of entry or access" allows a representative for the District to have access to properties within the Prohibition Zone to do the survey. The County Health Department would be the District's representative. District Code Section §4.08.140 authorizes the survey.

District staff is preparing an information letter to be sent to all property owners that would be involved in the survey. A draft of the letter is attached for the Board's review. There are approximately 115 on the east side and about 95 on the west side of the freeway to be surveyed.

The volunteers and others within the sewer project that have failing on-site disposal systems would be required to connect to the District sewer system. It would be the responsibility of the property owner to fund the construction of the connection and pay the necessary sewer capacity fees.

A Draft Revenue Plan has been developed and has received preliminary approval from the State with respect to the District's State Revolving Fund for expansion of the Wastewater Treatment Facility. This revenue plan indicates that the District's sewer capacity fees should be adjusted. For the benefit of those property owners required to connect due to a failing system, it is staff's recommendation that an adjustment of the sewer capacity fee be made.

After completion of the sanitary survey and the results are submitted to Nipomo Community Services District by the County Health Department, the District will hold a meeting with the property owners affected by the survey. At this time, the District will try to have representation from Farmer's Home Administration and a local bank for possible financial assistance for those who will be required to connect to the sewer system.

This item is brought to the Board for information and a policy decision on how you wish to fund the District's sewer capacity fees.

PART III - GRANT CONDITIONS

13. The District shall require each existing dwelling or dwelling equivalent within the discharge prohibition area identified by the Central Coast Regional Water Quality Control Board (RWQCB) Resolution No. 78-02 to connect to the new collection system in accordance with the following schedule. At least:
- 60 percent shall be connected within one year after the District accepts the project from the contractor (i.e. initiation of operation as defined in 40 CFR 35.2005(b)(22) dated February 17, 1984). The District shall notify the State Water Resources Control Board (SWRCB) and RWQCB in writing of the actual date of initiation of operation.
 - 80 percent within 5 years after initiation of operation.
 - 100 percent within 10 years after initiation of operation.

The connection calculation shall be based on the District's inventory dated August 23, 1984 of existing dwellings and dwelling equivalents within the prohibition area, but shall exclude any system that has been formally exempted.

Formal exemption from connection to the new collection system can only be granted by the District's Board of Directors with the concurrence of the RWQCB. Formal exemptions shall only be considered where there is sufficient information to demonstrate that the existing community (i.e. neighborhood systems which are permitted by adopted waste discharge requirements) and on-site systems are properly operated, functioning well, and not causing a water quality problem.

All new dwellings, dwelling equivalents and expansions of existing systems within the prohibition area shall be required to connect to the new collection system, unless they obtain a formal exemption. Exemptions will generally not be granted for lots of less than one acre.

At the end of one, 5, and 10 years after initiation of project operation, the District shall have conducted parcel by parcel surveys of all community and on-site systems within the prohibition area which have not been connected to the new collection system. The District shall seek the advice and participation of the County Health Department in conducting these surveys. The surveys shall identify failing systems, detail recommendations for exemptions, and confirm compliance with the required connection schedule. The District shall issue individual notices of abatement to require that each failing system is connected to the new collection system. The District shall submit a report to the SWRCB and RWQCB at the end of one, 5 and 10 years after initiation of project operation to confirm the findings and results of the surveys.

NIPOMO COMMUNITY SERVICES DISTRICT
261 WEST DANA STREET, SUITE 101
POST OFFICE BOX 326 NIPOMO, CA 93444
(805) 929-1133 FAX (805) 929-1932

March 1997

DRAFT

Homeowners in the Nipomo Community Services District

SUBJECT: NIPOMO SEWER GRANT - SEWER SURVEY

Approximately ten years ago, the community of Nipomo received a grant from the Federal government to construct a sewer collector system and a wastewater treatment plant. The District received the grant because there were many failing, on-site, septic tank systems. The grant requires the District to conduct a sanitary survey of all on-site disposal systems at the end of the tenth year. The grant condition states as follows:

"At the end of the tenth year the District shall have conducted a parcel by parcel survey of all community and on-site systems within the prohibition area which have not been connected to the new sewer collector system. The District shall seek the advice and participation of the County Health Department in conducting this survey. The survey shall identify failing systems, detail recommendations for exemptions, and confirm compliance with the required connection schedule."

San Luis Obispo County Health Department has agreed to perform the sanitary survey. It is anticipated that the survey will be conducted during the weeks of _____.

Your property is within the Prohibition Zone, therefore, representatives of the County Health Department will be inspecting your septic tank and leach field. District Code Section 4.08.140 authorizes the survey to comply with the conditions of the grant. Your cooperation would be greatly appreciated.

If you have any questions, please call the District office at 929-1133.

Very truly yours,

NIPOMO COMMUNITY SERVICES DISTRICT

Doug Jones
General Manager

**SAN LUIS OBISPO COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH**

**ON-SITE INDIVIDUAL AND MULTIPLE SEWAGE DISPOSAL SYSTEM
SANITARY SURVEY FORM**

COMMUNITY: _____ DATE: _____
ADDRESS: _____
PROPERTY OWNER _____
ADDRESS: _____
OCCUPANT: _____ NO. OF YEARS: _____ NO. OF RESIDENTS: _____

SIZE OF LOT: 25X 100 () 50 X 100 () 75 X 100 () OTHER () _____
SINGLE FAMILY DWELLING () MULTIPLE DWELLING () SINGLE STORY () MULTI-STORY ()

1. TYPE OF ON-SITE SEWAGE DISPOSAL SYSTEM:
- a. STANDARD SEPTIC TANK (ANAEROBIC) SIZE 800 () 1000 () 1500 () OTHER _____
 - 1. METHOD OF DISPOSAL
 - A. SUBSURFACE LEACH LINES () NO. SQUARE FEET _____
 - B. SEEPAGE PIT () NO. SQUARE FEET OR DEPTH _____
 - C. EVAPOTRANSPIRATION SYSTEM () MOUNDED () FLAT () OTHER ()
 - b. OTHER _____

2. AGE OF SYSTEM: _____

3. HAVE ADDITIONS OR REPAIRS BEEN MADE TO THE ORIGINAL SYSTEM? YES () NO ()
- a. DATE OF REPAIR OR ADDITION: _____ TYPE OF REPAIR: _____

4. FREQUENCY OF FLUID REMOVAL:

- a. HISTORICAL PUMPING FREQUENCY: YEARLY () 2 YRS () 3 YRS () OTHER _____

b. PUMPING OTHER THAN SCHEDULED PERIODIC MAINTENANCE YES () NO ()

HAVE YOU HAD A LEACHING SYSTEM FAILURE? NEVER () SEASONALLY ()
REPEATEDLY () OTHER () Explain _____

- a. PAST OR PRESENT GROUND SURFACING OF SEWAGE OR WATERS OF SEWAGE ORIGIN YES () NO ()
- b. PLUMBING BECOMES SLUGGISH WHEN USED HEAVILY OR DURING WET WEATHER YES () NO ()
- c. PLUMBING PROBLEMS PERSIST EVEN THOUGH SEPTIC TANK CLEANED RECENTLY YES () NO ()
- e. PERSISTENT ODORS TRACEABLE TO (ISSS) DISPOSAL SYSTEM YES () NO ()
- f. SEPARATE DISPOSAL SYSTEM FOR LAUNDRY WATER YES () NO ()
- g. RESTRICTED USE OF PLUMBING FIXTURES TO PREVENT THE OCCURRENCE OF CRITERIA
a through f above: YES () NO () SPECIFY FIXTURE _____
- h. AREA FOR LEACH SYSTEM SUFFICIENT YES () NO ()
- i. DOES THE PROPERTY HAVE A WELL: YES () NO () ABANDONED YES () NO ()

() SYSTEM OPERATING SATISFACTORY _____

() RECOMMEND CONNECTION TO THE SEWER COLLECTOR SYSTEM DUE TO ITEMS 4 AND/OR 5 ABOVE, OR
OTHER. EXPLAIN:

REMARKS


ENVIRONMENTAL HEALTH SPECIALIST



SAN LUIS OBISPO COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
2156 Sierra Way • P.O. Box 1489 • San Luis Obispo, California 93406
TELEPHONE (805) 781-5544 • FAX (805) 781-4211

MEMORANDUM

TO: Doug Jones, Manager
Nipomo Community Services District

FROM: Curtis Batson, Director 

DATE: September 13, 1996

SUBJECT: Individual septic tank sewage disposal systems - Nipomo, eastside and westside

We have reviewed the scope of work for the proposal project. Also, we have adjusted our survey form to include comments regarding exemptions and compliance with required connection schedule.

A breakdown of our labor costs follows:

212 residences to be surveyed = 11 days
20 contacts per day /2 EHS

* 2 EHS x 11 days x 7 hrs. (includes travel time) = 154 hrs.
154 hrs. x \$37.00 (hourly rate) = \$5,698.00

Office time to write up survey results

* 5 days x 6 hrs./day x 2 EHS = 60 hrs.
60 hrs. x \$37.00 = \$2,220.00

Totals	Field	\$5,698.00
	Office	<u>2,220.00</u>
		\$7,918.00

* Time card option to track

MikeD\djones.mem

RECEIVED

SEP 17 1996

NIPOMO COMMUNITY
SERVICES DISTRICT

USDA, RURAL DEVELOPMENT
RURAL HOUSING 504 LOAN AND GRANT PROGRAM

LOAN AND GRANT PURPOSES.

Loan funds may be used for paying the cost of repairs or improvements in order to make dwelling safe and sanitary, or modernize. Grant funds may be used only for repairs to remove health and safety hazards

II. LOAN AND/OR GRANT LIMITS AND TERMS.

- A. Loan interest rate - 1% per annum.
- B. Maximum loan assistance - \$20,000.
Maximum lifetime grant - \$ 7,500. (A grant may be made to an applicant or co-applicant 62 years of age or older who cannot repay a loan. Loan/grant combination is possible.
- C. Maximum loan repayment terms will not exceed 20 years.
- D. Security required:
 - 1. Less than \$2,500 - promissory note.
 - 2. \$2,501 to \$7,500 - Deed of Trust (best lien obtainable).
 - 3. \$7,501 to \$20,000 - Deed of Trust & title clearance is required.
 - 4. Section 504 grants - all persons receiving grants will sign an agreement not to sell the property being repaired for 3 years. If the property is sold within the 3-year period, the full amount of the grant will be repaid to the government

III. ELIGIBILITY REQUIREMENTS.

- A. Owner-occupant of a dwelling and site in a rural area.
- B. Adjusted income under the "very-low" income limit for the area.

VERY-LOW INCOME LIMITS BY COUNTY
(Number of Persons in Household)

	1	2	3	4	5	6	7	8
VENTURA	\$20,700	\$23,650	\$26,600	\$29,550	\$31,900	\$34,300	\$36,650	\$39,000
SANTA BARBARA	\$17,350	\$19,800	\$22,250	\$24,750	\$26,750	\$28,700	\$30,700	\$32,650
SAN LUIS OBISPO	\$15,150	\$17,300	\$19,500	\$21,650	\$23,400	\$25,100	\$26,850	\$28,600

- C. Sufficient income to repay the loan.
- D. Unable through own resources or other credit to remove the safety or health hazards and make needed improvements.
- E. Possess legal capacity.
- F. Citizen of the United States, or legally admitted for permanent residence.

I HOW TO START. Contact: USDA, RURAL DEVELOPMENT
920 EAST STOWELL RD
SANTA MARIA, CA 93454-7008
(805) 928-9269

Nipomo Community Services District Code

4.08.190

4.08.140 On-site disposal systems in existence prior to 1985— Periodic survey.

A. Area of Application. The surveys will be conducted within the prohibition area defined in Section 4.08.030(E).

B. Purpose. The surveys are intended to:

1. Identify problem systems;
2. Provide an adequate opportunity for repair or replacement;
3. Implement the conditions of this district's Step 3 Grant Agreement with the State Water Resources Control Board, including the requirement to gain information necessary to either require on-site sewage

disposal systems to connect to the collection system or support a formal exemption from connection.

C. Procedure and Report. The survey will consist of a field inspection, contact with property owners where possible, review of state and county records, and compilation of survey results.

A report of the survey will be prepared and submitted to the board of directors. It will be available for public inspection during reasonable business hours. (Ord. 86-50 Art. 9, 1986)

4.08.210 Right of entry or access.

Authorized inspectors, agents and employees of the district who are furnished with, carry and upon request display appropriate evidence of identification, shall have the right of entry and access at all reasonable times in, to and upon any and all buildings or premises, or any part or parts

thereof for the purpose of reading meters and inspecting any and all such building or premises (including any and all plumbing, water piping, meter reading equipment, fixtures and connections therein or thereon) to determine:

A. The manner and quantity of water and sewer use;

B. The existence of any condition causing, or likely to cause, the wastage of water or affecting, or likely to affect, the furnishing or receipt of water service;

C. The existence, operation, maintenance or use of any plumbing or water piping or any plumbing or water fixtures or connection which may now or hereafter cause, create or permit backflow or any other conditions affecting, or likely to affect, the purity or potability of the water supply furnished by the district;

D. The existence of any source of water supply which may now or hereafter be connected with the water supply system of district; or

E. The existence of any source of pressure, vacuum, contamination or pollution (including any and all equipment, fixtures or appliance connected or used therewith or therefor) affecting, or likely to affect the purity or potability of the water supply of the district;

F. Compliance with this section and the rules and regulations of the district governing water and sewer use. (Ord. 95-81 § 3 (C), 1995; Ord. 94-75 § 5, 1994)

AGENDA ITEM

MAR 5 1997



TO: BOARD OF DIRECTORS
FROM: DOUG JONES
DATE: MARCH 5, 1997

MANAGER'S REPORT

1. AWWA Annual Conference
2. Report on WRAC Meeting
3. Carbon-Aerogel Information
4. Cypress Ridge letter to the County

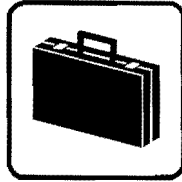
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World Congress Center • Atlanta, Georgia • June 15-19, 1997

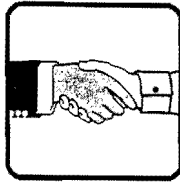
AWWA Annual Conference Week-At-A-Glance



Special Events



Professional Development



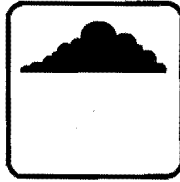
Management/ Public Officials



Legislative & Regulatory



Public Affairs



Water Resources



Water Conservation

SUNDAY, JUNE 15 • REGISTRATION 7:30 a.m. - 7:00 p.m. • SUNDAY, JUNE 15 • EXPOSITION 12:00 noon - 7:00 p.m.

Spouse/Guest Tours:

- Scenic Stone Mountain Park (p.32)
- Blooming Artwork (p.33)
- Taste of the Peach — Atlanta City Tour (p.33)

Exhibit Hall Reception (p.27)

Workshops W15-W18 — Getting Started on the Internet: Beginning Classes (p.9)

Workshops W19-W22 — Getting Started on the Internet: Intermediate Classes (p.9)

Workshop W1 — Rate-Making 101 (p.6)

Workshop W2 — Mock Public Hearing: Approval of City System Development Charges Ordinance (p.6)

Workshop W4 — Competition in the Water Business...Part II (p.7)

Workshop W5 — Competitiveness in the Millennium: Approaches to Performance Mgmt. (p.7)

Workshop W6 — Assessing and Minimizing Microbial Risks in Water Systems (p.7)

Workshop W14 — Implementation of the 1996 Safe Drinking Water Act Amendments (p.9)

Workshop W10 — Aquifer Storage and Recovery as a Means of Resource Management (p.8)

Workshop W3 — Water Efficient Rate Structures and a Computer Model for Evaluating Conservation Rates (p.6)

Workshop W11 — Use of Flow Trace Analysis for Disaggregation of Residential Water Use (p.8)

MONDAY, JUNE 16 • REGISTRATION 7:30 a.m. - 5:00 p.m. • MONDAY, JUNE 16 • EXPOSITION 11:00 a.m. - 5:00 p.m.

5k Fun Run/Walk (p.30)

Opening General Sess. (p.4)

Spouse/Guest Tours:

- Carter Pres. Center/Water For People Lunch (p.35)
- The Pulse of Atlanta's Past (p.34)
- Atlanta's Pop Culture — Coca-Cola & CNN (p.34)
- Taste of the Peach — Atlanta City Tour (p.33)

Georgia Section Reception (p.30)

Session 15 — How the Heck Does AWWA Put Together a Technical Program Anyway? (p.13)

Session 5 — Utility Efficiency: How to Get It. How to Keep It (p.10)

Session 6 — "Cadillac Desert": Involving Water Utilities in the PBS Public Education Campaign (p.11)

Session 7 — Water Utility Council (p.11)

Session 13 — Public Confidence & Customer Satisfaction: Surveys Show Consumers' Perceptions About Water Quality (p.13)

Session 12 — Using Reclaimed Water as a Resource in Underground, Land, and Space Applications (p.12)

Session 11 — Water Conservation Policies Panel (p.12)

TUESDAY, JUNE 17 • REGISTRATION 7:30 a.m. - 5:00 p.m. • TUESDAY, JUNE 17 • EXPOSITION 9:00 a.m. - 5:00 p.m.

AWWA Golf Classic (p.30)

Water Industry Luncheon (p.4)

Facility Tours:

- Coca-Cola Bottling Co. (p.31)
- Atlanta's Load Control Center & Georgia Power's Transmission Control Center (p.31)

Spouse/Guest Tours:

- Buttercups & Butterflies: Callaway Gardens (p.35)
- Atlanta — City of Winners (p.35)
- Atlanta's Pop Culture — Coca-Cola & CNN (p.34)

Session 27 — Professional Development I: Persuasion (p.26)

Session 18 — Financial Strategies for Utility Management (p.13)

Session 19 — Diversity Issues (p.13)

Session 30 — Water Utility Strategic Planning (p.15)

Session 31 — Human Resource Issues (p.16)

Early Bird Session EB2 — Regulatory Agencies Division (p.13)

Session 20 — Regulatory Update (p.14)

Session 32 — Implementing the Information Collection Rule (p.16)

Session 25 — Working Together to Reach a Common Goal (p.15)

Session 38 — Using Alternative Dispute Resolution Skills to Implement Public Involvement Plans (p.17)

Session 24 — Water Supply Management: Playing the Balancing Game (p.14)

Session 37 — Desalination for Water Supply (p.17)

Session 36 — Commercial, Industrial, and Institutional Water Conservation (p.16)

WEDNESDAY, JUNE 18 • REGISTRATION 7:30 a.m. - 5:00 p.m. • WEDNESDAY, JUNE 18 • EXPOSITION 9:00 a.m. - 1:00 p.m.

Annual Banquet (p.4)

Facility Tours:

- Clayton Co. Land Application Facility (p.31)
- Atlanta-Fulton County Water Resources Commission (p.31)

Spouse/Guest Tours:

- Scenic Stone Mountain Park (p.32)

Session 53 — Verbal Judo I (p.26)

Session 66 — Verbal Judo II (p.26)

Session 44 — Safety in the Utility Environment (p.18)

Session 45 — Customer Service in the Utility Environment (p.18)

Session 57 — Employee Involvement in Organizational Change (p.21)

Session 58 — "Cadillac Desert": Involving Water Utilities in the PBS Public Education Campaign (p.21)

Early Bird Session EB5 — Regulatory Agencies Division (p.17)

Session 46 — Implementing Safe Drinking Water Programs (p.19)

Early Bird Session EB6 — How to Communicate (p.18)

Session 51 — Reaching Out to Future Consumers: Innovative Youth Education Programs (p.20)

Session 65 — Public Affairs in Practice: Getting the Message Out (p.23)

Session 50 — Varied Surface Water Issues: Water Supply, Conjunctive Use, and Watershed Planning (p.20)

Session 64 — Maintaining Your Water Resources (p.23)

Early Bird Session EB3 — Privatization of Conservation Programs (p.17)

Session 49A — Water Conservation: What Have We Done for Me Lately? (p.20)

Session 49B — Water Conservation Programs: Design by Regulation or by Consensus? (p.20)

Session 62 — Conservation Program Measurement and Research (p.23)

Session 63 — Waterwise: Energize, Capitalize and Computerize Tomorrow's Customers Today! (p.23)

THURSDAY, JUNE 19 • REGISTRATION 8:00 a.m. - 1:00 p.m. • THURSDAY, JUNE 19 • EXPOSITION CLOSED

Session 68 — Continuing Quality (p.24)

Session 73 — Implementing the SDWA: Opportunities for Public Affairs (p.25)

Session 72 — Groundwater Topics (p.25)

Session 71 — International Issues in Water Conservation Planning and Evaluation (p.25)



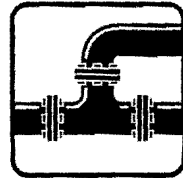
Water Quality



Research



Engineering & Construction



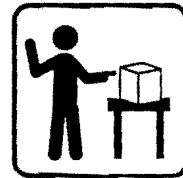
Distribution & Plant Operations



Small Systems



International



Product Information

SUNDAY, JUNE 15 • REGISTRATION 7:30 a.m. - 7:00 p.m. • SUNDAY, JUNE 15 • EXPOSITION 12:00 noon - 7:00 p.m.

Workshop W8 — Practical Aspects of Maintaining Distribution System Water Quality (p.7)
Workshop W9 — Fundamental and Practical Aspects of Coagulation/Filtration (p.8)

Workshop W7 — Public Health Issues Associated With Pathogens and Disinfection By-products in Drinking Water (p.7)

Workshop W13 — Geographic Information Systems (GIS) for Water and Wastewater Managers (p.9)

Workshop W12 — Strategies and Tools for Building the Capacity of Small Systems (p.8)

MONDAY, JUNE 16 • REGISTRATION 7:30 a.m. - 5:00 p.m. • MONDAY, JUNE 16 • EXPOSITION 11:00 a.m. - 5:00 p.m.

Session 9 — Cryptosporidium: Detection and Treatment (p.12)
Session 10 — Water Treatment and Distribution System Water Quality (p.12)

Session 2 — AEEP Meeting (p.10)
Session 8 — Research Symposium I: Activated Carbon and Membrane Research (p.11)

Session 4 — What Utility Construction Contract Administration: Get the Job Done Right, On Time, and Within Budget (p.10)

Session 3 — Plant Operation and Maintenance (p.10)

Session 14 — Product Information Forum I (p.13)

TUESDAY, JUNE 17 • REGISTRATION 7:30 a.m. - 5:00 p.m. • TUESDAY, JUNE 17 • EXPOSITION 9:00 a.m. - 5:00 p.m.

Session 23 — Corrosion and Corrosion Control (p.14)
Session 35 — Disinfection By-Products (p.16)

Session 21 — Automation & Computer Research (p.14)
Session 22 — Universities Forum I (p.14)
Session 33 — Impacts of the SDWA Reauthorization on Health Assessment and Research (p.16)
Session 34 — Universities Forum II (p.16)

Session 17 — Distribution System Infrastructure Renewal (p.13)

Early Bird Session EB1 — Fire Flow Water Requirements vs. Insurance Rates (p.13)
Session 28 — Distribution Operation and Maintenance (p.15)

Session 16 — SDWA, Now What? (p.13)
Session 29 — SDWA, Now What? Continued (p.15)

Session 40 — International Water Supply: Case Studies in Planning and Operations (p.17)

Session 26 — Product Information Forum II (p.15)
Session 39 — Product Information Forum III (p.17)

WEDNESDAY, JUNE 18 • REGISTRATION 7:30 a.m. - 5:00 p.m. • WEDNESDAY, JUNE 18 • EXPOSITION 9:00 a.m. - 1:00 p.m.

Session 48 — Membranes: Technology for Tomorrow (p.19)
Session 60 — Multifaceted Usage of the Ozonation Process (p.22)
Session 61 — Optimizing Plant Operations and Treatment Process Performance (p.22)

Session 47 — Research Symposium II: Distribution System Research (p.19)
Session 59 — Research Symposium III (p.22)

Session 43 — Automation and Instrumentation for Water Utility Facilities (p.18)
Session 55 — Small Water System Design & Construction (p.21)
Session 56 — Design/Build: A Unique Way to Deliver the Construction of Water Treatment and Distribution Systems (p.21)

Session 41 — Implementation of Chemical Risk Management Programs (p.18)
Session 54 — Electrical Industry Deregulation (p.21)

Early Bird Session EB4 — "SURF" Small Utility Rates and Finances: A Spreadsheet for Small Systems (p.17)
Session 42 — Consumer Confidence Reports Make Them Work for You! (p.18)

Session 52 — Privatization Worldwide: Infrastructure Needs and Financial Options (p.20)

THURSDAY, JUNE 19 • REGISTRATION 7:30 a.m. - 11:00 a.m. • THURSDAY, JUNE 19 • EXPOSITION CLOSED

Session 70 — Particle Counting (p.25)

Session 69 — Research Symposium IV: Oxidation, Disinfection, and Biotreatment (p.24)

Session 67 — Water Treatment Facilities Design & Construction (p.24)

**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
WATER RESOURCES ADVISORY COMMITTEE**

UC Cooperative Extension Auditorium
2156 Sierra Way
San Luis Obispo

Notice of Meeting
Wednesday, March 5, 1997
1:30 p.m.

1. Introductions
2. Public Comments and Items of Interest
3. Minutes
4. Presentation and Action Items
 - a. Overview of Flood Hazard Mitigation Grant Program in SLO County
 - b. Santa Maria Utilities Director, Dwayne Chisam, will present the City's proposal for selling reclaimed groundwater.
 - c. Discussion of proposed recommended evaluation criteria for groundwater transfers.
 - d. Rangewater Management Planning program
5. Updates (Information and Action as Needed)
 - a. DWR study of Arroyo Grande/Nipomo Mesa area of the Santa Maria Ground Water Basin
 - b. Master Water Plan
 - c. Nacimiento Water Project
 - d. State Water Project
6. Rainfall Totals and Reservoir Levels

RECEIVED

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NIPOMO COMMUNIT
SERVICES DISTRICT

Items for next agenda should be submitted to Susan Litteral by March 21, 1997.

Attachments

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Having it all doesn't necessarily mean having it all at once
Stephnie Luetkehans

Carbon-Aerogel Capacitive Deionization of Water

An efficient, economical process for purifying water



Capacitive deionization (CDI) with carbon-aerogel electrodes is an efficient and economical new process for removing salt and impurities from water. In the process, water is passed between electrodes kept at a potential

APPLICATIONS

- Brackish water/sea water desalination
- Treatment of heat exchanger and boiler water, industrial and commercial process water and ultrapure industrial water
- Industrial waste water
- Municipal waste water
- Mixed hazardous and/or radioactive waste
- Mineral extraction
- Medical
- Domestic water softeners and refined drinking water treatment
- Analytical instrumentation

difference of about one volt; nonreducible and nonoxidizable ions are removed from the water by the imposed electrostatic field and held at the electrode surfaces. When the electrodes become saturated with salt, they are electrostatically "regenerated," releasing the salts into a concentrated purge stream.

Carbon-aerogel electrodes have excellent stability in harsh chemical conditions and a very high specific surface area (600–1000 square meters per gram of aerogel), which enables the design of robust yet compact purifying systems. Carbon aerogels were developed at LLNL, and are now in commercial production. Their cost

should drop considerably as their use in this and other applications increases. Some of the energy used in ion removal can be recovered during regeneration, improving overall energy efficiency.

Advantages

The system has a simple, modular, plate-and-frame construction. It uses simple electrostatic regeneration, compared to ion-exchange systems that require acids, bases, or salt solutions for regeneration. CDI does not require the use of membranes or high-pressure pumps, which means the equipment is much more resistant to the effects of corrosive liquids (used to remove scale) than in other methods. And, CDI is more energy-efficient than competing technologies—far more efficient than thermal processes.

Our demonstration system has eight cells, containing 384 pairs of carbon-aerogel electrodes with a total surface area of more than two billion square centimeters (about 54 acres); yet the system occupies only a few cubic feet of space.

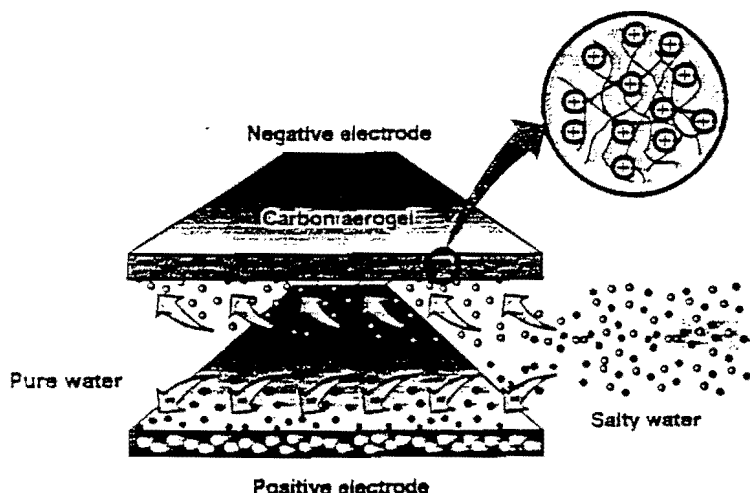
Energy efficiency. Brackish water (salt content of 800–3200 parts per million [ppm]) is conventionally purified using electrodialysis or reverse osmosis. Carbon-aerogel CDI uses 10–20 times less energy per gallon of purified water to achieve the same results. Purification of brackish water is an extremely important potential application of this technology.

For purifying seawater (32,000 ppm salt), carbon-aerogel CDI is just as energy-efficient as reverse osmosis, but without the need for costly and troublesome membranes.

Availability: The CDI patent was issued in 1995. The Laboratory is actively looking for industrial partners with whom to further develop and scaleup the technology.

Contact

Jeff Richardson
Phone: (510) 423-5187
Fax: (510) 423-4967
E-mail: richardson6@llnl.gov
Mail code: L-353



In the CDI process, salty water enters space between two carbon-aerogel electrodes; electrostatic field forces sodium and chlorine ions into aerogel, where they are held (inset); pure water leaves the space between the electrodes.

NIPOMO COMMUNITY SERVICES DISTRICT
261 WEST DANA STREET, SUITE 101
POST OFFICE BOX 326 NIPOMO, CA 93444
(805) 929-1133 FAX (805) 929-1932

February 28, 1997

DRAFT

Jay Johnson
County Planning Department
SLO County Government Center
San Luis Obispo, CA 93408

SUBJECT: CYPRESS RIDGE

Since the approval of the Cypress Ridge project by the County Planning Commission has been appealed to the County Board of Supervisors, the District feels a number of items should be reviewed.

The District is in favor of the project and feels that it is a well-planned, viable project, both economically and recreationally, and that it will be an asset to the Nipomo Mesa.

The District's main concern is the water supply for all users on the Mesa. The following are some items that should be reviewed:

1. The project received approval from the Planning Commission with the participation in a toilet retrofit program on a 1:1 basis.
Normally it takes retrofitting 4 homes of toilets, showers, flow devices, sinks and faucets to conserve enough water to supply one new home.
If it takes 4 homes to be retrofit to build one new home, there may not be sufficient home-sites, within the Rural Water Company area to be retrofit, to meet the residence requirements for build-out of the Cypress Ridge project.
2. The 1996 Annual Resource Summary Report indicates that the Nipomo Mesa is in Level II severity with respect to water supply. Page V-44 of the EIR for the Cypress Ridge development plan states that over a period of 16 years the static water level will drop approximately six feet.

The Woodlands Specific Plan Constraints Analysis (page 39 figure 8) has a graph of ground water in storage. This graph shows that for the past ten years, the storage in the basin has been reduced indicating that the basin is being mined.

It is our understanding that a developer, in order to possibly receive project approval, has suggested that a certain amount of funds be contributed toward a future water source, which may be obtained for the Mesa users. If such a program were to be developed, would the Cypress Ridge project be involved in it?

Jay Johnson
county Planning Department
February 28, 1997
Page Two

DRAFT

3. It is our understanding that the old Bayview Estates development is to be sewerred in the future. If it is sewerred, will it be connected to the Cypress Ridge Development wastewater treatment facility? Will this treatment facility be sized to handle the Bayview Estates Subdivision?

Thank you for your time in considering these items in respect to the Cypress Ridge project.

If you have any questions, please call.

Very truly yours,

NIPOMO COMMUNITY SERVICES DISTRICT

Doug Jones
General Manager

cc: NCSB Board
Ruth Brackett

DRAFT

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