APPENDIX A

WASTE DISCHARGE ORDER
MONITORING & REPORTING PROGRAM

Cal/EPA

Certified P 381 741 818

Pete Wilson
Governor

Central Coast Regional Water Quality Control Board

81 Higuera Street
Suite 200
San Luis Obispo, CA
93401-5427
(805) 549-3147
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October 29, 1997

Mr. Doug Jones, General Manager
Nipomo Community Services District
261 Dana Street, Suite 101
Nipomo, CA 93444

Dear Mr. Jones:

WASTE DISCHARGE REQUIREMENTS FOR NIPOMO COMMUNITY SERVICES DISTRICT, SOUTHLAND WASTEWATER WORKS, SAN LUIS OBISPO COUNTY, ORDER NO. 97-75

Enclosed is a copy of Order No. 97-75, Nipomo Community Services District, Southland Wastewater Works, San Luis Obispo County, which was adopted by this Board on October 24, 1997.

Sincerely,

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD, CENTRAL COAST REGION

BY _____
Roger W. Briggs
Executive Officer

Enclosure

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cc: Garing Taylor & Assoc.
141 East Elm Street
Arroyo Grande, Ca 93420

WDID No. 400104001

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

81 Higuera Street Suite #200
San Luis Obispo, California 93401

ORDER NO. 97-75

WASTE DISCHARGE REQUIREMENTS FOR NIPOMO COMMUNITY SERVICES DISTRICT, SOUTHLAND WASTEWATER WORKS, SAN LUIS OBISPO COUNTY

The California Regional Water Quality Control Board, Central Coast Region (Board), finds;

1. Nipomo Community Services District (Discharger) owns and operates a municipal wastewater treatment facility which serves the town of Nipomo.

2. The Discharger filed a Report of Waste Discharge, in accordance with Section 13260 of the California Water Code, for authorization to increase discharges to the wastewater facility on January 24, 1996, and supplemented the Report of Waste Discharge with additional information on July 31, and September 30, 1996, and July 9, 1997. The discharge is currently regulated by Waste Discharge Requirements Order No. 84-56 adopted by the Board on July 13, 1984.

3. The treatment facility consists of influent grinding and aerated lagoons. Treated wastewater is discharged to 5.3 acres of percolation beds. Current design capacity is 360,000 gallons per day (1360 m^3/day), and design capacity of the expanded facilities is 900,000 gallons per day (3406 m^3/day), for which 14.5 acres total percolation basin area will be needed.

4. The percolation beds are located on level topography consisting of sandy soils. Perched ground water occurs at approximately 30 to 40 feet below ground surface, however the quality and direction of flow of this perched water is not clearly determined. A deeper ground water supply occurs at approximately 180 to 200 feet below ground surface and flows toward the southwest. Ground water constituent concentrations in the vicinity of the discharge are reportedly:

Total Dissolved Solids	260 mg/l
Sodium	36 mg/l
Chloride	36 mg/l
Nitrate (as N)	11 mg/l
Sulfate	22 mg/l
Boron	<0.1 mg/l

5. Nipomo Creek, tributary to the Santa Maria River, is located approximately 1/4 mile northeast of the discharge facilities and flows in a southeasterly direction. The wastewater facilities are not within the 100-year flood plain of Nipomo Creek.

6. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Board on September 8, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.

7. Present and anticipated beneficial uses of ground water in the vicinity of the discharge include: Domestic, Municipal, Agricultural and Industrial Supply.

8. Water quality objectives specified in the Basin Plan for ground water in the vicinity of the discharge include:

Total Dissolved Solids	710 mg/l
Sodium	90 mg/l
Chloride	95 mg/l
Nitrate (as N)	5.7 mg/l
Sulfate	22 mg/l
Boron	0.15 mg/l

9. Nipomo Community Services District certified a final Environmental Impact Report for the existing wastewater facilities in accordance with provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) and the California Code of Regulations on July 14, 1983. The Environmental Impact Report identified potential impacts to water quality from the discharge of nitrates and dissolved solids to ground water. Mitigations include changes in the design and operation of the facility and implementation of a sewer use ordinance. Nipomo Community Services District certified an Initial Study and Negative Declaration for proposed expansion of the wastewater facilities on October 2, 1996, which found no significant potential for impact to surface or ground water quality from the expanded discharge.

10. Discharge of Waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assume this and mitigate any potential adverse changes in water quality due to discharge.

11. On **August 5, 1997,** the Board notified the Discharger and interested agencies and persons of its intent to revise waste discharge requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.

12. After considering all comments pertaining to this discharge during a public hearing on October 24, 1997, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Nipomo Community Services District, its agents, successors, and assigns, may discharge treated wastewater from the Wastewater Treatment Facility, providing compliance is maintained with the following:

(Note: Other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.)

Throughout these requirements footnote (^) is listed to indicate those requirements specified from the Basin Plan. Requirements not referenced are based on Staff's professional judgment.

A. PROHIBITIONS

1. Discharge to areas other than the disposal areas shown on Attachment A is prohibited.

2. Discharge of any wastes including overflow, bypass, seepage, overspray and runoff from transport, treatment, or disposal systems to adjacent drainageways or adjacent properties is prohibited.

B. DISCHARGE LIMITATIONS

1. Effluent flow averaged over each month shall not exceed 360,000 gpd. After completion of the facility expansion, monthly flow shall not exceed 900,000 gpd. Incremental flow increases (600,000 gpd Phase I and 900,000 gpd Phase II) shall be allowed with written approval of the Executive Officer, after the Discharger demonstrates that expansion of the facilities is completed.

2. Effluent discharged to the disposal facilities shall not exceed the following parameters:

Parameter	Units	Month. Mean	Daily Maximum
BOD_5	mg/l	60	100
Suspended Solids	mg/l	60	100
Settleable Solids	ml/l	0.2	0.5
pH[A]	Within the range 6.5 to 8.4		
Dissolved Oxygen	mg/l	Minimum 1.0	

3. Wastewater treatment and disposal facilities shall be managed to exclude the public and posted to warn the public of the presence of wastewater.

4. Freeboard in all ponds shall exceed two feet at all times, unless the ponds are specifically designed for a different freeboard.

C. GROUND WATER LIMITATIONS

1. The treatment or discharge shall not cause nitrate concentrations in the ground water downgradient of the disposal facilities to exceed 10.0 mg/l (as N).

2. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying ground waters, as determined by comparison of representative samples of groundwater collected from wells located upgradient and downgradient of the disposal area.

3. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4, 4.5, 5 and 5.5 of the California Code of Regulations.[A]

D. PROVISIONS

1. The requirements prescribed by this Order supersede requirements prescribed by Order No. 84-56 adopted by the Board on July 13, 1984. Order No. 84-56 "Waste Discharge Requirements for Nipomo Community Services District and Local Sewering Entity of San Luis Obispo County Service Area No. 1" is hereby rescinded.

2. Discharger shall comply with "Monitoring and Reporting Program No. 97-75", as specified by the Executive Officer.

3. Discharger shall comply with the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984.

4. Discharger shall implement salts best management practices within the sewer service area to minimize salts contributions to the sewer system and subsequent discharge to the disposal facilities.

5. Discharger shall submit results and conclusions of the ground water investigation described in Monitoring and Reporting Program by October 24, 1998. If the investigation indicates the discharge may be impacting ground water in the vicinity, proposed mitigation measures (additional treatment and a time schedule) shall be submitted with the summary report. Incremental flow increases shall be authorized (as described in Discharge Limitation B.1.)

based on findings of the ground water investigation and ongoing monitoring.

6. Pursuant to Title 23, Division 3, Chapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than April 24, 2001, addressing:

a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,

b. Whether, in the Discharger's opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, ROGER W. BRIGGS, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on October 24, 1997.

Executive Officer

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 97-75

FOR

NIPOMO COMMUNITY SERVICES DISTRICT,
SOUTHLAND WASTEWATER WORKS,
SAN LUIS OBISPO COUNTY

Influent Monitoring

Representative samples of the treatment plant influent shall be collected and analyzed as follows:

Parameter	Units	Type of Sample	Sampling and Analyzing Frequency
Maximum Flow	MGD	Metered	Daily
Average Flow	MGD	Calculated	Monthly

Effluent Monitoring

Representative samples of the treatment plant effluent shall be collected and analyzed as follows:

Parameter	Units	Type of Sample	Sampling and Analyzing Frequency
Settleable Solids	ml/l	Grab	Daily
Biochemical Oxygen Demand	mg/l	6-hr. Composite	Weekly
Suspended Solids	mg/l	6-hr. Composite	Weekly
Dissolved Oxygen	mg/l	Grab	Weekly
pH	pH Units	Grab	Weekly
Total Dissolved Solids	mg/l	6-hr. Composite	Semi-annually (Jan/July)
Sodium	mg/l	6-hr. Composite	Semi-annually (Jan/July)
Chloride	mg/l	6-hr. Composite	Semi-annually (Jan/July)
Total Nitrogen (as N)	mg/l	6-hr. Composite	Semi-annually (Jan/July)

Ground Water Monitoring

Discharger shall install new monitoring wells upgradient and downgradient of the disposal area which facilitate representative sampling from the first available ground water. Discharger shall be responsible for determining direction of ground water flow and level to determine the appropriate location and depth of upgradient and downgradient monitoring wells. The monitoring wells shall meet or exceed well standards contained in the Department of Water Resources Bulletins 74-81 and 74-90. Discharger shall also comply with the monitoring well reporting provisions of Section 13750 through 13755 of the California Water Code.

Discharger shall investigate ground water upgradient and downgradient of the discharge in order to identify impacts caused by the discharge. Ground water sampling should include (but not be limited to) the constituents listed below in the ongoing ground water monitoring program. Impacts and mitigation measure shall be summarized in a report to the Executive Officer as specified in Provision D.5 of Order No. 97-75.

The ongoing ground water monitoring program shall include representative upgradient and downgradient samples collected from the first available ground water and analyzed as follows:

Parameter	Units	Type of Sample	Sampling and Analyzing Frequency
Static Water Level	Feet (below ground surface and elevation)		Semi-annually (Jan/July)
Total Dissolved Solids	mg/l	Grab	Semi-annually (Jan/July)
Sodium	mg/l	Grab	Semi-annually (Jan/July)
Chloride	mg/l	Grab	Semi-annually (Jan/July)
Total Nitrogen (as N) *	mg/l	Grab	Semi-annually (Jan/July)
Sulfate	mg/l	Grab	Semi-annually (Jan/July)
Boron	mg/l	Grab	Semi-annually (Jan/July)

*Each component nitrogen form shall be quantified as N.

Reporting

Monthly monitoring reports shall be submitted to the Regional Board by the 30th day of the month following sampling. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so the date, constituents, and concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements. Any noncompliance with requirements must be identified and addressed according to Standard Provision C.5.

ORDERED BY _____
Executive Officer

October 24, 1997
Date

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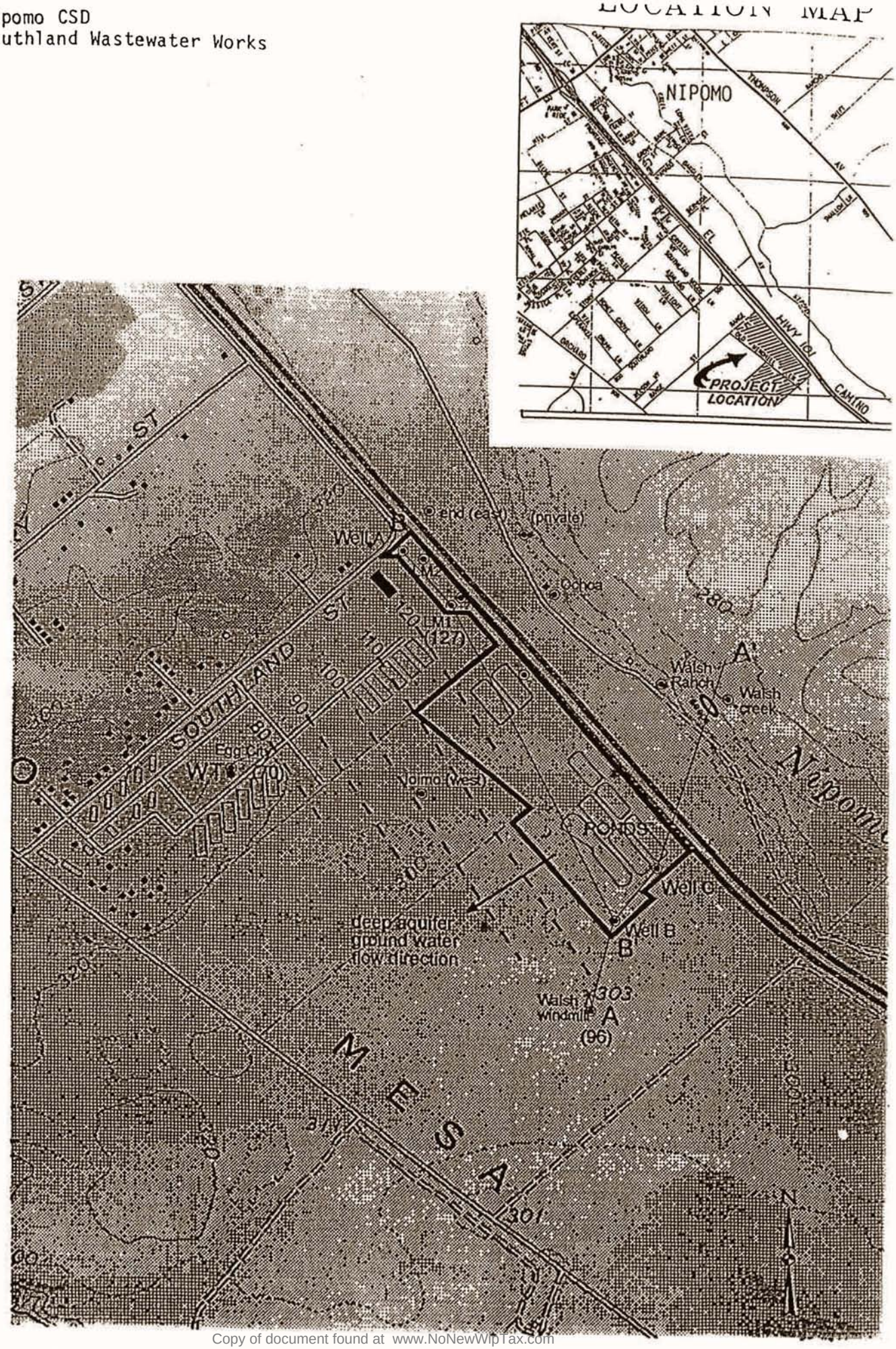
Nipomo CSD
Southland Wastewater Works



ATTACHMENT B

Nipomo CSD - Southland Wastewater Works