

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 Aerovista Place, Suite 101  
San Luis Obispo, California 93401-7906

MONITORING AND REPORTING PROGRAM  
NO. R3-2007-0069

FOR THE  
THE CITY OF SOLVANG  
AND THE  
LOCAL SEWERING ENTITY OF SANTA YNEZ COMMUNITY SERVICES DISTRICT  
WASTEWATER FACILITIES  
SANTA BARBARA COUNTY

WATER SUPPLY MONITORING

Representative samples of the water supply shall be collected and analyzed for the following constituents <sup>1</sup>:

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Total Dissolved Solids	mg/L	Grab	Quarterly <sup>2</sup>
Sodium	mg/L	Grab	Quarterly <sup>2</sup>
Chloride	mg/L	Grab	Quarterly <sup>2</sup>

1 - Title 22 Consumer Confidence report data may be used for water supply monitoring.

2 - January, April, July, and October

INFLUENT MONITORING

Samples of wastewater treatment plant influent shall be collected at the plant headworks and analyzed for the following constituents:

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Total Suspended Solids	mg/L	Grab	Annually <sup>1</sup>
BOD, 5-day	mg/L	Grab	Annually <sup>1</sup>
Total Dissolved Solids	mg/L	Grab	Monthly <sup>2</sup>

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Sodium	mg/L	Grab	Monthly <sup>2</sup>
Chloride	mg/L	Grab	Monthly <sup>2</sup>

1 – July

2 – Influent sample collection should coincide with monthly effluent sample collection days.

### POND MONITORING

Representative samples of the treatment and holding ponds shall be collected and analyzed as follows:

Constituent	Units	Type of Sample	Frequency
Freeboard	feet	Measured	Weekly

### EFFLUENT MONITORING

A record shall be maintained and submitted with the monitoring reports which list dates, quantity of flow, and disposal locations of the effluent.

Representative effluent samples shall be collected downstream of the last treatment unit and shall be analyzed for the following constituents:

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Daily Flow	MG	Metered	Daily
Maximum Daily Flow	MGD	Calculated	Monthly
Mean Daily Flow	MGD	Calculated	Monthly
BOD, 5-day	mg/L	24-hour composite	Monthly
Total Suspended Solids	mg/L	24-hour composite	Monthly
Total Dissolved Solids	mg/L	24-hour composite	Monthly <sup>1</sup>
pH	Standard units	Grab	Monthly
Settleable Solids	mL/L	Grab	Daily
Nitrate (as N)	mg/L	Grab	Monthly <sup>1</sup>
Sodium	mg/L	Grab	Monthly <sup>1</sup>
Chloride	mg/L	Grab	Monthly <sup>1</sup>
Total Chlorine Residual	mg/L	Grab	Daily when chlorinating <sup>2</sup>

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Chlorine Use	lbs/day	Measured	Daily when chlorinating <sup>2</sup>
Total Coliform Organism	MPN/100mL	Grab	Daily when chlorinating <sup>2</sup>

<sup>1</sup> - Effluent sample collection should coincide with monthly influent sample collection days.

<sup>2</sup> - Chlorination of effluent and ponds shall occur when the Discharger is warned by the County Flood Control District that Santa Ynez River flooding may occur and to continue disinfection until flood warnings cease.

### GROUNDWATER MONITORING

Groundwater samples shall be collected from representative upgradient and downgradient monitoring wells and analyzed for the following constituents:

Constituent	Units	Type of Sample	Sampling and Analyzing Frequency
Depth to groundwater	feet	measured	Quarterly <sup>1</sup>
Nitrate as (N)	mg/L	Grab	Quarterly <sup>1</sup>
Total Dissolved Solids	mg/L	Grab	Quarterly <sup>1</sup>
Sodium	mg/L	Grab	Quarterly <sup>1</sup>
Chloride	mg/L	Grab	Quarterly <sup>1</sup>
Sulfate	mg/L	Grab	Quarterly <sup>1</sup>
Boron	mg/L	Grab	Quarterly <sup>1</sup>
Fecal Coliform	mg/L	Grab	Quarterly <sup>1</sup>
Fecal Streptococci	mg/L	Grab	Quarterly <sup>1</sup>
Title 22 Constituents <sup>2</sup>	mg/L	Grab	Annually <sup>3</sup>

<sup>1</sup> - January, April, July, and October.

<sup>2</sup> - All organic or inorganic chemicals identified in California Code of Regulations, Title 22, Division 4, Chapter 15, Article 5.5, Section 64444 (organic) and Article 4, Section 64431 (inorganic).

<sup>3</sup> - July

### SLUDGE MONITORING

A. The following information shall be submitted with the Annual Report as required by the Standard Provisions:

- 1) Annual sludge production in dry tons and percent solids.
- 2) A schematic diagram showing sludge handling facilities (e.g., digesters, lagoons, drying beds, incinerators) and a solids flow diagram.
- 3) If appropriate, a narrative description of sludge dewatering and other treatment processes, including process parameters. If drying beds are used, report depth of application and drying time. If composting is used, report the temperature achieved and duration.

4) A description of disposal methods, including the following information related to the disposal methods used at the facility. If more than one method is used, include the percentage of annual sludge production disposed by each method.

a) For landfill disposal include: 1) the Regional Board's WDR numbers that regulate the landfills used, 2) the present classifications of the landfills used, and 3) the names and locations of the facilities receiving sludge.

b) For land application, include 1) the location of the site(s), 2) the Regional Board's WDR numbers that regulate the site(s), 3) the application rate in lbs/acre/year (specify wet or dry), and 4) subsequent uses of the land.

B. A representative sample of residual solids (sludge) as obtained from the last point in the handling process (i.e., in the drying beds just prior to removal) shall be analyzed for the following constituents at the frequencies listed below. The sample shall be documented to show it is representative of sludge from the facility.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Quantity	Tons or cubic yds	measured	during removal
Moisture Content	%	Grab	Annually <sup>1</sup>
Total Kjeldahl Nitrogen	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Ammonia (as N)	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Nitrate (as N)	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Total Phosphorus	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
pH	standard units	Grab	Annually <sup>1</sup>
Grease & Oil	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Arsenic	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Boron	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Cadmium	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Copper	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Chromium (total)	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Lead	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Mercury	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Nickel	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Silver	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>
Zinc	mg/kg <sup>2</sup>	Grab	Annually <sup>1</sup>

<sup>1</sup> - July

<sup>2</sup> - Total sample, including sample solid and liquid, shall be analyzed and the results reported as mg/Kg per weight of the sample after it has been dried.

**FLOOD MONITORING**

Upon issuance of flood warning by the Santa Barbara County Flood Control District, the Discharger shall notify the Executive Officer by telephone and shall immediately begin chlorination. The Discharge shall include subsequent updates and progress reports for the duration of the alert in monthly monitoring reports. Repairs to damaged ponds shall be reported according to General Reporting Requirements C.4 of the Standard Provisions.

**REPORTING**

Note on detection limits: When the effluent limit is below the detection limit, compliance determinations based on analysis of a single sample shall only be undertaken if the concentration of the constituent of concern in the sample is greater than or equal to the detection limit.

**Monitoring reports shall be submitted by the 20<sup>th</sup> day of the following month following the sampling event.** The annual reports shall include the statistical computations employed to determine whether the mean concentrations of nitrate as (N), total dissolved solids, sulfate, boron, chloride, and sodium are significantly different in downgradient monitoring well #2 from the upgradient well. A narrative description of all exceptions along with corrective measures taken, shall be included.

ORDERED BY: \_\_\_\_\_  
Executive Officer

Date: \_\_\_\_\_

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