



# California Regional Water Quality Control Board

## Los Angeles Region



Linda S. Adams  
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger  
Governor

January 21, 2009

Mr. Jon MacKenzie  
Western Los Angeles Council, Inc.  
Boy Scouts of America  
16525 Sherman Way, Unit C-8  
Van Nuys, CA 91406

VIA FACSIMILIE AND MAIL

Dear Mr. MacKenzie:

**TENTATIVE WASTE DISCHARGE REQUIREMENTS AND MONITORING AND REPORTING REQUIREMENTS FOR WESTERN LOS ANGELES COUNTY COUNCIL, INC., BOY SCOUTS OF AMERICA, TIMOTHY PENNINGTON IV MARINE SCIENCE CENTER, 1 COVE ROAD, AVALON, SANTA CATALINA ISLAND, CA (ORDER NO. R4-2009-xxx, CI-8673, FILE NO. 03-062)**

On November 6, 2003 this Regional Board adopted Waste Discharge Requirements (WDR) prescribed in Order No. R4-2003-0142 for Timothy Pennington IV Marine Science Center. Pursuant to the California Water Code, all waste discharge requirements are reviewed periodically, and, upon such review, may be revised by the Regional Board. Following a review of the existing requirements contained in Order No. R4-2003-0142, a new tentative Order for waste discharge requirements has been prepared.

Enclosed are copies of the following:

1. Tentative WDR consisting of:
  - a. WDR Board Order R4-2009-XXXX,
  - b. Revised Monitoring and Reporting Program (CI-8673), and
  - c. Standard Provisions Applicable to WDR.

In accordance with administrative procedures, this Board will consider the enclosed tentative WDR and comments therein at a public hearing to be held at 9:00 AM on March 5, 2009 at the Metropolitan Water District, 700 North Alameda Street, Los Angeles, CA. The Board will hear any testimony pertinent to this discharge and the tentative requirements. It is expected that the Board will take action at the hearing; however, as testimony indicates, the Board at its discretion may order further investigation.

In order to be fully evaluated by the Regional Board staff and included in the Regional Board's agenda packet, written comments must be received at the Regional Board's office by 5:00 p.m. on February 16, 2009. Failure to comply with these requirements is grounds for the Board to refuse to admit the proposed written comment or exhibit into evidence. Timely submittal of written comments is encouraged to ensure that all comments are accurately and fully included in the

*California Environmental Protection Agency*



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

Mr. Jon MacKenzie  
Boy Scouts of America

- 2 -

January 21, 2009

administrative record, that Board staff is able to provide timely review, and that Regional Board Members have sufficient time to give full consideration to the comments and issues raised.

Standard Provisions, which are part of these tentative requirements, are enclosed for the addressee only. However, these are on file in our office, and a copy will be sent to interested parties upon request.

If you have any questions or need additional information, please call Project Manager, Ms. Dionisia Rodriguez at (213) 620-6122 or me at (213) 620-6156.

Sincerely,



Rebecca Chou, Ph.D., P.E.  
Chief of Groundwater Permitting Unit

Enclosures: Tentative Waste Discharge Requirements Order No. R4-2009-xxxx  
Revised Tentative Monitoring and Reporting Requirements CI- 8673  
Tentative Standard Provisions Applicable to WDR

cc: Mr. Alfonso Medina, County of Los Angeles Department of Public Health,  
Environmental Protection Bureau  
Mr. Mark L. Russell, Earth Systems, Southern California

**California Environmental Protection Agency**



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

**ORDER NO. R4-2009-xxxx  
WASTE DISCHARGE REQUIREMENTS  
FOR  
WESTERN LOS ANGELES COUNTY COUNCIL, INC.  
BOY SCOUTS OF AMERICA  
(Timothy Pennington IV Marine Science Center)  
(File No. 03-062, CI-8673)**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds:

**PURPOSE OF ORDER**

1. Western Los Angeles County Council, Inc., Boy Scouts of America (hereinafter Discharger) owns and operates the Timothy Pennington IV Marine Science Center (Facility), which serves as a seawater life support and learning center for the Boy Scouts. The Facility is located within Camp Emerald Bay, a youth camp and recreational facility used by the Boy Scouts of America.
2. The Facility consists of a seawater life support system, including aquarium tanks, to show a variety of marine faunas endemic to Santa Catalina Island. The Facility's discharges of circulated seawater from the seawater life support system are regulated under Waste Discharge Requirements (WDR) Order No. R4-2003-0142, which was in effect for a period of five years and expired on November 6, 2008. On August 8, 2008, the Discharger applied to the Regional Board for a renewal of the WDR.
3. WDR Order No. R4-2003-0142 is solely for the discharge of circulated sea water from the Facility. There is no other waste water discharged from the Facility; nor is potable water supplied to the Facility. All domestic waste from the Boy Scouts and camp staff discharged from Camp Emerald Bay is regulated under WDR Order No. 01-031, Series No. 006.

**DESCRIPTION OF FACILITY**

4. The Discharger leases Camp Emerald Bay (latitude: 33° 28"10' ;longitude 118°31"56') located at 1 Cove Road, Avalon in Santa Catalina Island, from Santa Catalina Island Company. The Facility is on the "West Side" area of Camp Emerald Bay. Figure 1 is Camp Emerald Bay Site Plan, which shows the location of the Facility.
5. The Facility is a two-story building that consists of three aquarium tanks, a touch tank and three wet tables used to observe various marine animals native to the island. The three aquarium tanks are the subtidal tank or kelp community tank (volume: 700 gallons) which houses animals indigenous to the subtidal zones around the island, the cryptic tank (volume: 400 gallons) which houses species found in the near shore reefs of Santa

January 21, 2009

**T  
E  
N  
T  
A  
T  
I  
V  
E**

Catalina Island and the benthic tank (volume: 700 gallons) which is used to maintain species that are found on or near the ocean floor. The touch tank (volume: 435 gallons) and wet tables are used to more closely observe smaller animals, such as snails, gobies and nudibranchs. All the animals are fed daily with a total of 3.5 pounds (lbs) of food that consists of shrimp, squid and krill. The animals are not given any other kind of feed or nutrient.

6. The Facility's seawater life support system is designed to support a variety of marine animals in the aquarium tanks and wet labs. The system consists of two separate processes: a seawater intake system and a seawater re-circulation system. The seawater intake system transports seawater from the ocean to a storage reservoir. From the reservoir, a sea water recirculation system pumps water through a filtration loop to exhibit tanks and touch tables. An overflow pipe at the exhibit tanks and touch tables return excess water from them to the storage reservoir. The seawater intake system operates as needed to provide water lost through evaporation, backwash of sand filters, and to maintain nitrogen concentration at or below 20 milligrams per liter (mg/l).
7. The seawater re-circulation system operates continuously in order to support the collected aquatic animals with filtered and oxygenated water. The re-circulation system circulates water from the reservoir through sand filtration, a chiller, and an aeration tower for nitrification and air stripping process at a rate of approximately 125 gallons per minute (gpm). The sand filter removes suspended solid from the sea water before it is fed to the exhibit tanks and touch tables. Backwash water from the maintenance of the sand filter is pumped to the retention basin and mixed with the overflow from the sea water supply before being discharged to the leachfield. A portion of the water leaving the sand filters is by-passed to a chiller which maintains the water within the system at a temperature of 58°F to 62°F. The water then flows to the aeration/bio tower where nitrification and air stripping takes place and then gravity fed to the exhibit tanks and touch tables. Seawater overflow from the storage reservoir and any waste seawater from the Facility flow into a 250-gallon retention basin before discharge to a leachfield.
8. When operating, the intake system will provide approximately 10 gpm of seawater to the storage reservoir. When filled to capacity, additional water will overflow to a 250 gallon detention basin. The water from the detention basin is then discharged to the leachfield at the rate of 10 gpm. The maximum discharge is 14,400 gallons per day (gpd). The expected average discharge is 7,500 gpd. The Process Flow Diagram is shown on Figure 2.
9. The leachfield, which is 15 feet (ft) long by 10 ft wide, is located in the northerly area of Emerald Bay Canyon. Percolation tests performed in the area determined the dimensions of the leachfield. It is located 100 feet away from the nearest drainage channel and 130 feet from the high tide line, which is the intersection of the land with the water surface at the maximum height reached by a rising tide. (Figure 3).
10. In permitting cases for discharge of domestic wastewater through leachfield, the Regional Board requires that there shall be 5 feet groundwater separation. During a percolation test

T  
E  
N  
T  
A  
T  
I  
V  
E

conducted at the site on February 4, 2003, groundwater was encountered at approximately three and a half feet below ground surface (bgs). The Discharger cannot meet the 5 feet groundwater separation requirement.

11. Sea water carries various amounts of suspended and settleable solids from both natural and human sources. The discharge from the Facility carries approximately less than 10 milligrams per liter (mg/L) of suspended solids of fish waste. The Monitoring and Reporting Program, CI 8673, associated with Order No. R4-2003-0142 requires influent monitoring to measure concentration of settleable and suspended solids and dissolved oxygen. These concentrations are compared to concentrations of the effluent prior to discharge to the leachfield to assure that the system is not discharging more of the contaminants into the ocean. The Discharger has failed to comply with this requirement of the Monitoring and Reporting Program. A Notice of Violation was issued to Discharger on January 14, 2009.
12. However, during the sampling event for the third quarter of 2005, a sample of the influent water taken from the bay adjacent to the ocean intake was collected as well as the effluent sample collected at the point of discharge to the leachfield. Both samples were analyzed for the same constituents. The effluent sample exhibited distinctly lower amount of total coliform. The influent sample showed 300 Most Probable Number per 100 milliliters (MPN/100ml) while the effluent sample showed <2 MPN/100ml. The other effluent parameters measured were not significantly different from those of the influent.
13. The Discharger provided analytical results of a sample from the sea water life support system taken on February 21, 2008 as part of the its monitoring and reporting program. The analytical results of the effluent to be discharged into the disposal system is as follows:

| <u>Constituents</u>             | <u>Units</u> <sup>1</sup> | <u>Sample Results</u>   |
|---------------------------------|---------------------------|-------------------------|
| Ammonia (expressed as nitrogen) | mg/L                      | < 0.5 (ND) <sup>2</sup> |
| Biochemical Oxygen Demand       | mg/L                      | < 2 (ND) <sup>2</sup>   |
| pH                              | pH Units                  | 7.82                    |
| Dissolved Oxygen                | mg/L                      | 8.8                     |
| Residual Chlorine               | mg/L                      | <0.1 (ND)               |
| Total Settleable Solids         | ml/L                      | <0.1 (ND)               |
| Total Suspended Solids          | mg/L                      | 96                      |
| Total Coliform                  | MPN/100 ml                | <1 (ND) <sup>2</sup>    |
| Fecal Coliform                  | MPN/100 ml                | <1(ND) <sup>2</sup>     |
| Enterococcus                    | MPN/100 ml                | <1(ND) <sup>2</sup>     |

<sup>(1)</sup> mg/L: milligrams per liter; ml/L: milliliters per liter; MPN/100mL: Most Probable Number per 100 milliliter

<sup>(2)</sup> ND = Not detected above the reporting limit.

Compared to a domestic septic tank effluent, the discharge is significantly less in strength relative to nutrients, ammonia and bacteria. Considering the analytical results reported

T  
E  
N  
T  
A  
T  
I  
V  
E

and the distance (minimum 100 feet) from the disposal area to the ocean, setting the compliance point for the effluent from the retention tank before discharge to the leachfield is adequate to protect the receiving water quality (groundwater in hydraulic connection with the ocean). The treatment mechanisms of the leachfield and the safety factors afforded by a soil filtration in the five-foot separation zone between the leachfield and groundwater are not needed for this low-strength wastewater.

- 14. The estimated daily discharge flow from the facility is estimated at 7,500 gpd. The system is designed to discharge this volume per day. The leachfield is located 100 feet from the nearest drainage channel and 130 feet from the high tide line.
- 15. The Facility was constructed from February through July 2003. The Los Angeles County Department of Regional Planning issued a mitigated negative declaration on environmental impact for Camp Emerald Bay, including the Facility, on April 13, 2000. The Los Angeles County Department of Building and Safety issued the Building Final Inspection for the Facility on July 16, 2003. The Facility began operation in January 2004 and ran continuously with an intake and discharge rate of 10 gallons per minute (gpm) until April 2008. Since April 2008, the aquarium system has operated two days per week at a rate of 5 gpm.

**APPLICABLE LAWS, PLANS, POLICIES, AND REGULATIONS**

- 16. On June 13, 1994, the Regional Board adopted a revised *Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties* (Basin Plan) which was amended on January 27, 1997 by Regional Board Resolution No. 97-02. The Basin Plan (i) designates beneficial uses for surface waters and groundwaters, (ii) sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the state antidegradation policy (*Statement of Policy with Respect to Maintaining High Quality Waters in California*, State Water Resources Control Board [State Board] Resolution No. 68-16, October 28, 1968), and (iii) describes implementation programs to protect all waters in the Region. In addition, the Basin Plan incorporates by reference applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations. This Order implements the plans, policies, and provisions of the Basin Plan. The Basin Plan designates beneficial uses and water quality objectives for the following waterbody as follows:

**Groundwater:**

**San Pedro Channel Islands (Santa Catalina Island)**

|           |  |
|-----------|--|
| Existing  | Municipal and domestic supply, Agricultural supply |
| Potential | Industrial Process Supply                          |

T  
E  
N  
T  
A  
T  
I  
V  
E

**Surface water:**

Island Nearshore Zones (Santa Catalina Island)

Existing: Navigation, water contact recreation, non-contact water recreation, commercial and sport fishing, marine habitat, wildlife habitat, preservation of biological habitat (areas of special biological significance), rare, threatened, or endangered specie refuge and shellfish harvesting.

Potential: Spawning, reproduction and/or early development

17. On November 16, 2000, the State Board adopted a revised *Water Quality Control Plan for the Ocean Waters of California* (Ocean Plan). The State of California Office of Administrative Law and the United States Environmental Protection Agency approved the Ocean Plan on July 9, 2001 and December 3, 2001, respectively. The Ocean Plan contains water quality objectives for coastal waters of California. The beneficial uses of the ocean waters of the State that shall be protected include industrial water supply; water contact and non-contact recreation, including aesthetic enjoyment; navigation; commercial and sport fishing; mariculture; rare and endangered species; marine habitat; fish migration; fish spawning; shellfish harvesting and enhancement of designated Areas of Special Biological Significance (ASBS). This Ocean Plan prohibits the direct discharge of wastes to ASBS.
18. The Facility is located within the Santa Catalina Island groundwater basin as identified in the Basin Plan. The Basin Plan indicates that the beneficial uses for groundwater in Santa Catalina Island include municipal and domestic supply (MUN); however the beneficial use (MUN) is not applicable to beach areas lacking significant aquifers. The beneficial use (MUN) of any ground water that may be found at the facility is limited because the facility is adjacent to the beach. While the effluent will be discharged to the land through the existing leachfields, the depth to the ground water is controlled by the tide, and at this location, the receiving surface water is the Pacific Ocean.
19. In any marine biological life, there will be production of ammonia and the breakdown of wastes. Since the groundwater flow gradient is generally toward the Pacific Ocean, Regional Board staff is concerned that pollutants such as ammonia could move through groundwater to the ocean. To regulate the impacts from the discharge of wastewater to groundwater and the ultimate receiving water, Ocean Plan standards have been used for the limitations established herein. However, ocean monitoring is not proposed for this Facility because the discharge volume is relatively small.
20. The requirements contained in this Order are based on the Basin Plan, Ocean Plan, other state plans, policies, and guidelines, and best professional judgment.

CEQA, NOTIFICATION, AND APPEALS

21. On April 13, 2000, the Los Angeles County Department of Regional Planning issued an initial study determination that a Mitigated Negative Declaration is required for the upgrade

T  
E  
N  
T  
A  
T  
I  
V  
E

project for Emerald Bay Camp which includes the Facility. In compliance with the provisions of the California Environmental Quality Act (Public Resources Code section 21000 et seq.), the Regional Planning Commission approved the Mitigated Negative Declaration on February 14, 2001.

22. The Regional Board has notified the Discharger and interested agencies and persons of its intent to renew the WDRs for this discharge, and has provided them an opportunity to submit their views and recommendations for the requirements.
23. The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the requirements.
24. Pursuant to California Water Code section 13320, any aggrieved person may seek review of this Order by filing a petition with the State Water Resources Control Board (State Board). The State Board, P.O. Box 100, Sacramento, California 95812, must receive the petition within 30 days of the date of adoption of the Order.

IT IS HEREBY ORDERED that the Discharger, Western Los Angeles County Council, Inc., Boy Scouts of America, shall comply with the following requirements in connection with the disposal operations at the Facility.

A. DISCHARGE LIMITATIONS

1. Waste discharged to the leachfield disposal system shall be limited to wastewater discharged from the Facility only.
2. Average waste discharge flow from the Facility is estimated to be 7,500 gpd. The maximum daily discharge flow shall not exceed 14,400 gpd.

B. EFFLUENT LIMITATIONS BEFORE THE DISPOSAL SYSTEM

1. The wastewater discharged to the disposal system shall not contain constituents in excess of the following limits:

| <u>Constituent<sup>1</sup></u>     | <u>Units<sup>2</sup></u> | <u>Monthly</u> |                  | <u>Daily</u>    |
|------------------------------------|--------------------------|----------------|------------------|-----------------|
|                                    |                          | <u>Mean</u>    | <u>Median</u>    | <u>Maximum</u>  |
| Total coliform <sup>4</sup>        | MPN/100mL                | --             | 70               | --              |
| Ammonia<br>(expressed as nitrogen) | mg/L                     | --             | 0.6 <sup>3</sup> | 2.4             |
| Enterococcus <sup>4</sup>          | MPN/100mL                | 35             | --               | -- <sup>5</sup> |
| Suspended solids                   | mg/L                     | --             | --               | -- <sup>5</sup> |
| Settable solids                    | ml/L                     | --             | --               | -- <sup>5</sup> |
| Total residual chlorine            | µg/L                     | --             | --               | 8               |

<sup>[1]</sup> For the above parameters, the compliance point for each parameter shall be at the effluent point of the retention basin.

T  
A  
T  
I  
V  
E

<sup>[2]</sup> MPN/100mL: Most Probable Number per 100 milliliter, mg/L: milligrams per liter, µg/L: micrograms per liter

<sup>[3]</sup> Expressed as 6-month Median as specified in the Ocean Plan.

<sup>[4]</sup> If only one sample is taken in any monthly period, that value shall be considered as the mean/median for the month.

<sup>[5]</sup> The discharge shall not contain concentrations of solids higher than those found in the influent and shall not cause nuisance or adversely affect beneficial uses

2. The dissolved oxygen concentration in the wastewater discharged to the disposal system shall not be at any time depressed more than 10 percent from that which occurs naturally.
3. The pH of the wastewater discharged to the disposal system shall be within the range of 6 to 9.

#### C. PROHIBITIONS

1. There shall be no wastewater system overflows or discharge of wastes to waters of the State (including storm drains) at any time.
2. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.
3. Wastes discharged shall not impart tastes, odors, color, foaming or other objectionable characteristics to the receiving water.
4. Waste discharged shall not cause any impact on the indigenous marine life and diverse marine community.
5. Adequate facilities shall be provided to divert surface and storm water away from the seawater life support and leachfield disposal systems and from areas where any potential pollutants are stored.
6. The seawater life support and leachfield disposal systems shall be protected from damage by storm flows or runoff generated by a 100-year storm.
7. There shall be no onsite disposal of sludge. Any offsite disposal of sludge shall be made only to a legal point of disposal. For purposes of this Order, a legal disposal site is one for which requirements have been established by a regional water quality control board and which is in compliance therewith. Any sewage or sludge handling shall be conducted in such a manner as to prevent sewage or sludge from reaching surface waters or watercourses.
8. No foul odors shall be detectable.
9. The discharge of waste shall not create a condition of pollution, contamination, or nuisance.

T  
E  
N  
T  
A  
T  
I  
V  
E

10. The direct or indirect discharge of any wastewater to surface waters or surface water drainage courses is prohibited.

E. PROVISIONS

1. A copy of this Order shall be maintained at the Facility so as to be available at all times to operating personnel.
2. In the event of any change in name, ownership, or control of the Facility, the Discharger shall notify the Regional Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to the Regional Board.
3. The Discharger shall file with the Regional Board technical reports on self-monitoring work performed according to the detailed specifications contained in Monitoring and Reporting Program No. CI 8673 attached hereto and incorporated herein by reference, as directed by the Regional Board Executive Officer (Executive Officer). The results of any monitoring done more frequently than required at the location and/or times specified in the Monitoring and Reporting Program shall be reported to the Regional Board.
4. The Discharger shall cause the disposal system to be inspected annually during the life of this Order by a professional inspector to be retained by the Discharger. National Sanitation Foundation standards shall be applied where possible to the inspection. The inspector shall also specify the capacity and condition of the disposal system and of the leachfield and the corrections needed.
5. The Discharger shall prepare a contingency plan to deal with disposal system failure or the loss of soil assimilative capacity. Within 60 days of the effective date of this Order, the Discharger shall submit for the Executive Officer's approval a contingency plan addressing the steps that will be taken to deal with any failure of the disposal system and future 100 percent replacement of the subsurface disposal area.
6. The Discharger shall notify the Regional Board within 24 hours of any adverse condition resulting from the discharge of wastewater from the Facility; written confirmation by the Discharger shall follow within one week. The Discharger in the next monitoring report shall also confirm this information. In addition, the report shall include the reasons for the violations or adverse conditions, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
7. The Discharger shall notify the Regional Board within 24 hours, by telephone or electronically, of any bypassing or surfacing of wastes. Written confirmation by the Discharger shall follow within one week and shall include information relative to the

T  
E  
N  
T  
A  
T  
I  
V  
E

location(s), estimated volume, date and time, duration, cause, and remedial measures taken to effect cleanup and measures taken to prevent any recurrence.

8. This Order does not relieve the Discharger from the responsibility to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.
9. Any discharge of wastewater from the seawater life support system (including wastewater collection system) at any point other than a site with approved waste discharge requirements or specifically described in this Order is prohibited, and constitutes a violation of this Order.
10. After notice and opportunity for a hearing, this Order may be terminated or modified for cause including, but not limited, to:
  - a) Violation of any term or condition contained in this Order;
  - b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;
  - c) A change in any condition, or the discovery of any information, that requires either a temporary or permanent reduction or elimination of the authorized discharge.
11. The Discharger shall furnish, within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Discharger shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.
12. The Discharger shall file a written report within 10 days with the Regional Board at such time as the average daily waste flow per month has reached or exceeded 80 percent of the recognized seawater life support system design flow capacity (currently 14,400 gpd) or conditions suggest that the hydraulic capacity for the disposal system has been exceeded. The report shall detail proposed provisions to cope with excess flows.
13. Should monitoring data indicate contamination of groundwater or discharge related violations of receiving water limitations, the Discharger shall submit, within 60 days after discovery of the problem, plans for measures that will be taken, or have been taken, to mitigate any long-term effects that may result from the subsurface disposal of wastes.
14. This Order includes the attached "Standard Provisions Applicable to Waste Discharge Requirements" which are incorporated herein by reference. If there is

T  
E  
N  
T  
A  
T  
I  
V  
E

any conflict between provisions stated herein and the "Standard Provisions," those provisions stated herein will prevail.

15. In accordance with the Governor's Executive Order requiring that any proposed activity be reviewed to determine whether such activity will cause additional energy usage, Regional Board staff have determined that implementation of these WDRs will result in minimal increases in energy usage.
16. All discharges of waste into the waters of the State are privileges, not rights. In accordance with California Water Code section 13263(g), these requirements shall not create a vested right to continue to discharge and are subject to rescission or modification.

F. REOPENER

This Order may be reopened to delete outdated requirements, or to include additional or modified requirements to address pollutant loading problems verified by monitoring data, Discharger workplans or mitigation plans, TMDL schedules, or Ocean Plan or Basin Plan mandates.

I, Tracy J. Egoscue, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on March 5, 2009.

---

Tracy J. Egoscue  
Executive Officer

T  
E  
N  
T  
A  
T  
I  
V  
E

Site Plan  
Scale: 1" = 1'-0"

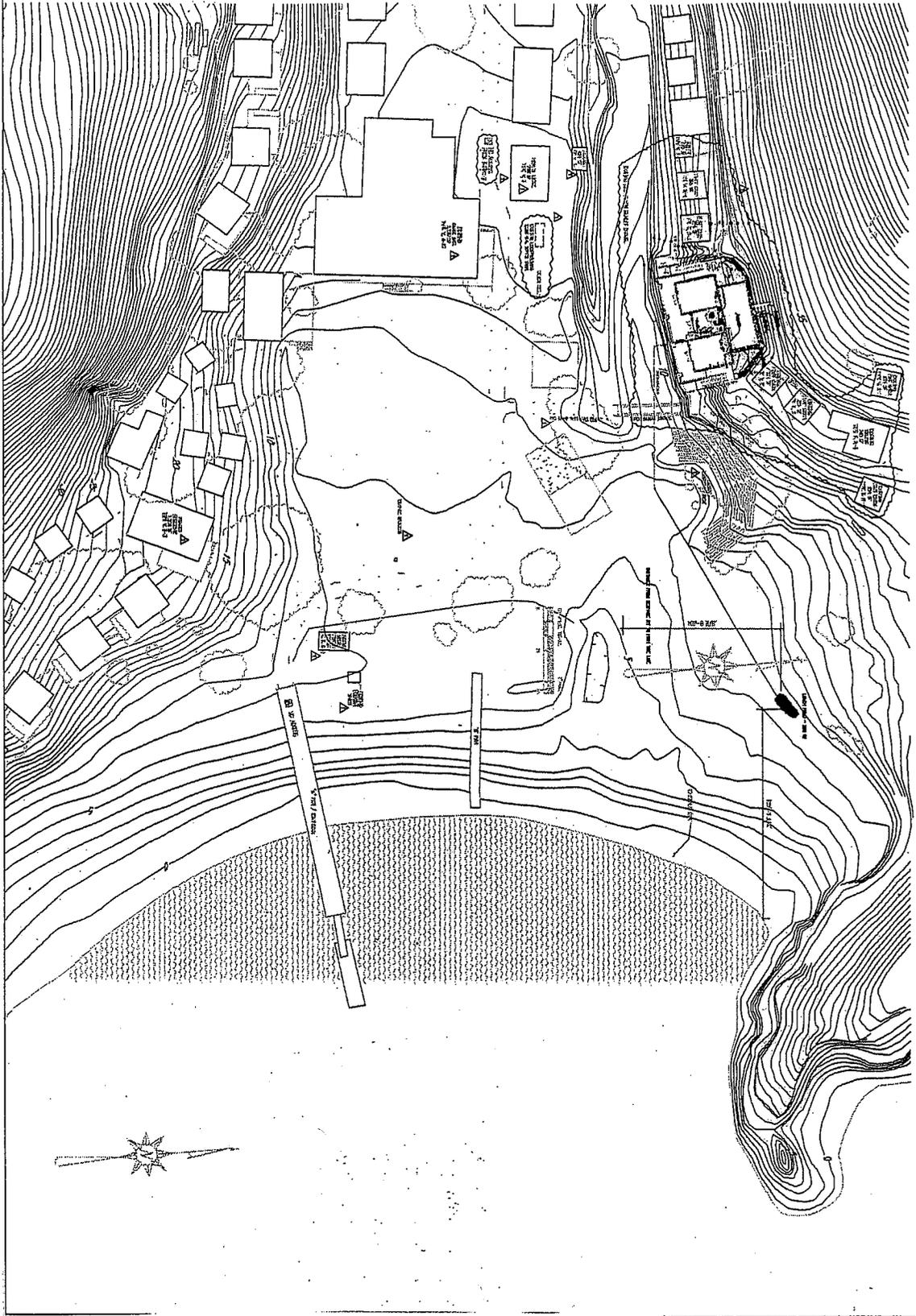
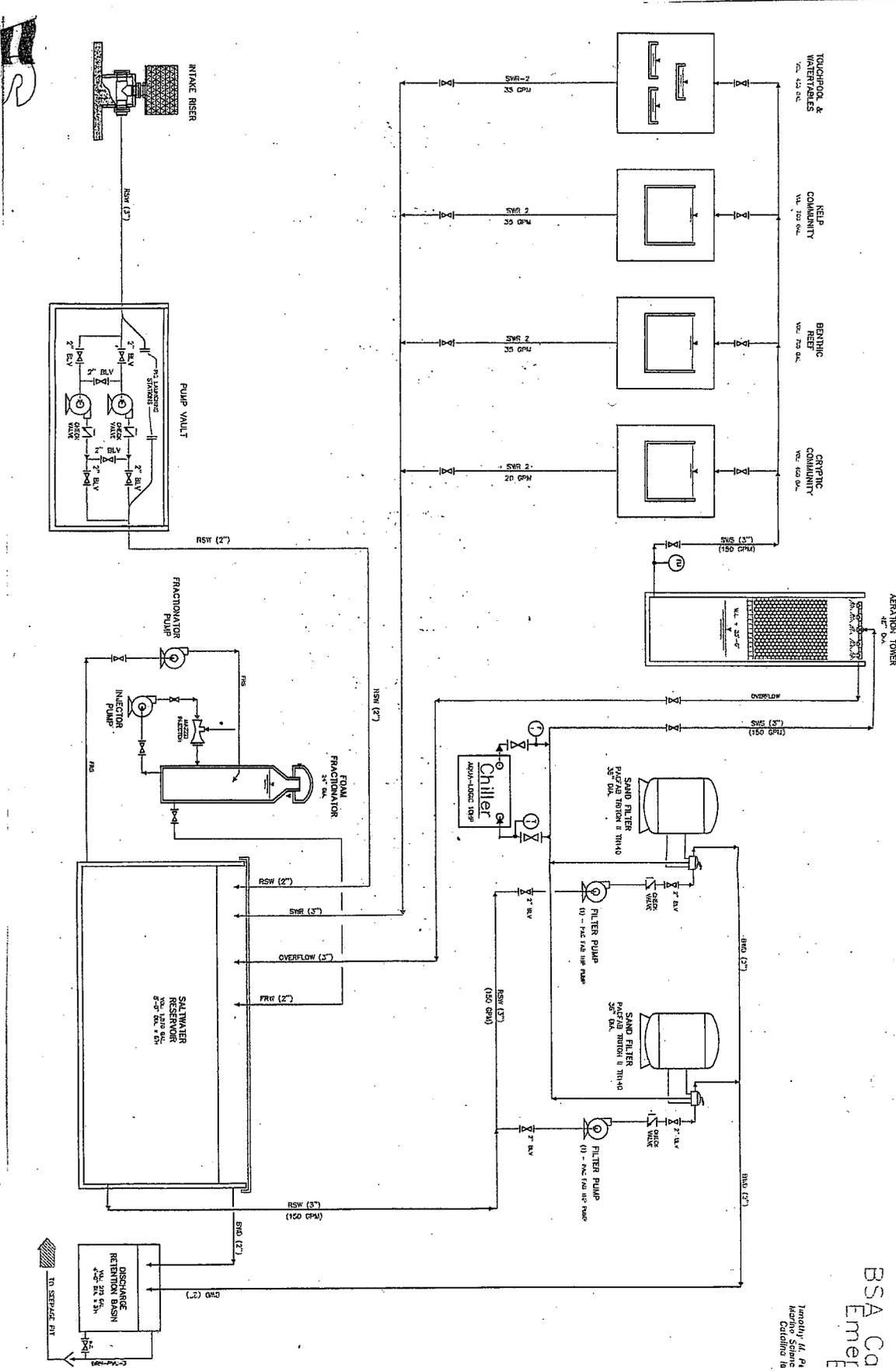
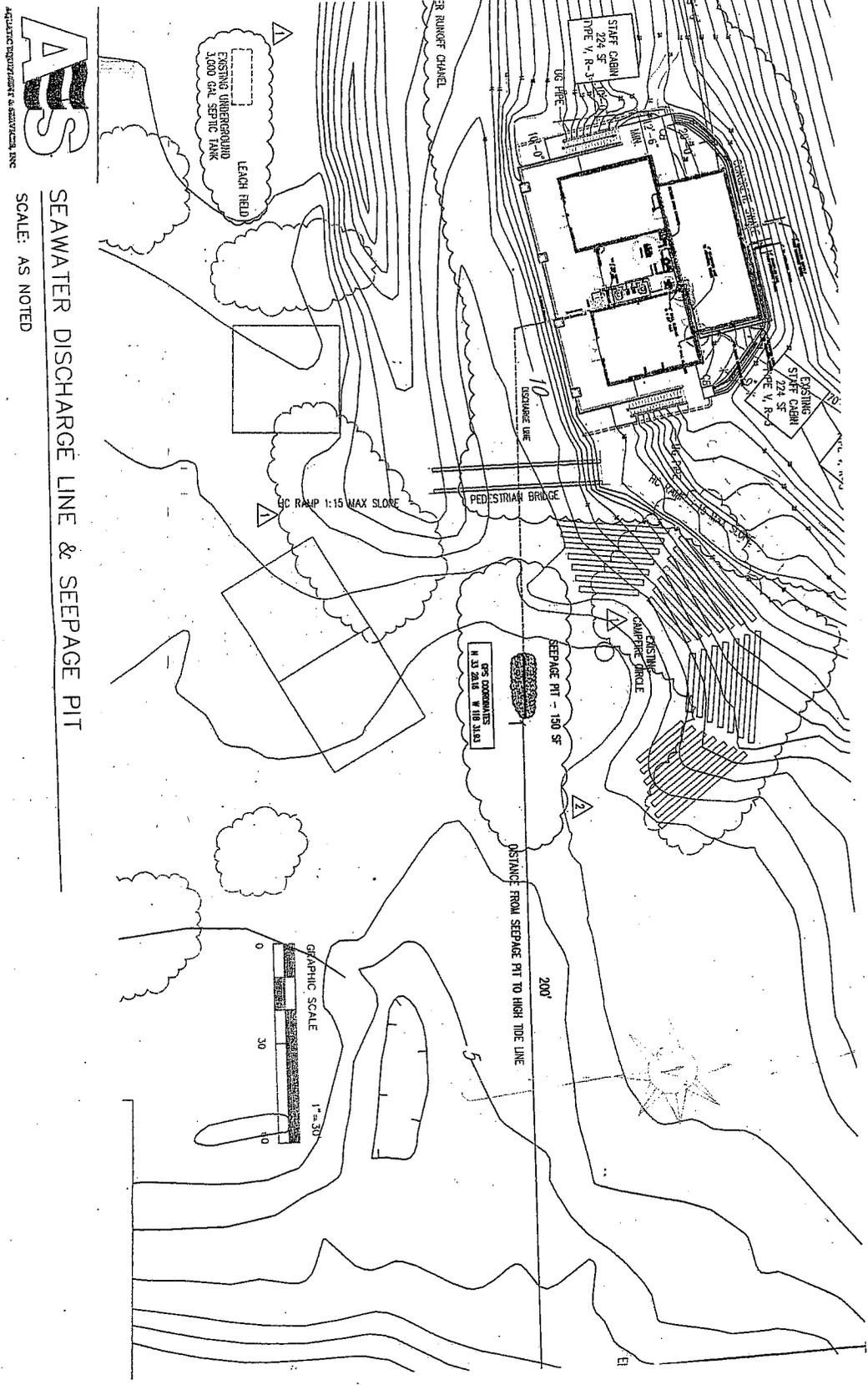


Figure 1 – Site Plan



BSA Co  
Emer  
January 14, 19  
Marine Science  
California 18

Figure 2 – Process Flow Diagram



**AES**  
Aquatic Engineering & Services, Inc.

**SEAWATER DISCHARGE LINE & SEEPAGE PIT**  
SCALE: AS NOTED

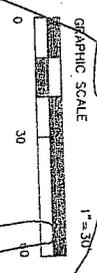


Figure 3 – Leachfield Location

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

MONITORING AND REPORTING PROGRAM NO. CI 8673  
FOR  
WESTERN LOS ANGELES COUNTY COUNCIL, INC.  
BOY SCOUTS OF AMERICA ("Discharger")  
(Timothy M. Pennington IV, Marine Science Center)  
(File No. 03-062)

I. REPORTING REQUIREMENTS

- A. The Discharger shall implement this Monitoring Program on the effective date of WDR Order No. R4-2009-xxxx (Order). The first monitoring report under this program, for April-June 2009, shall be received at the Regional Board by July 15, 2009. Subsequent monitoring reports shall be received at the Regional Board according to the following schedule:

| <u>Reporting Period</u> | <u>Report Due</u> |
|-------------------------|-------------------|
| January – March         | April 15          |
| April – June            | July 15           |
| July – September        | October 15        |
| October – December      | January 15        |

- B. If there is no discharge during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By January 30<sup>th</sup> of each year, beginning January 30, 2010, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal certification is obtained from ELAP.
- E. The method limits (MLs) employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can

January 21, 2009

T  
E  
N  
N  
T  
A  
T  
I  
V  
E

demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer.

- F. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136. All Quality Assurance/Quality Control (QA/QC) samples must be run on the same dates when samples were actually analyzed. At least once a year, the Discharger shall maintain and update a list of the analytical methods employed for each test and the associated laboratory QA/QC procedures. The Discharger shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff.
- G. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program." Proper chain of custody procedures must be followed and a copy of the completed chain of custody form shall be submitted with the report.
- H. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.
- I. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- J. The Discharger shall maintain all records of sampling and analytical results: date; exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.
- K. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with the requirements and, where applicable, shall include results of receiving water observations.
- L. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report. In addition, if effluent

T  
E  
N  
T  
A  
T  
I  
V  
E

groundwater monitoring programs have not yet been implemented, a short description of the status of both shall also be included.

II. WATER QUALITY MONITORING REQUIREMENTS

A. Influent Monitoring

An influent monitoring program shall be designed to quarterly measure the concentrations of settleable and suspended solids and dissolved oxygen. The Discharger shall provide influent monitoring information with quarterly reports.

B. Effluent Monitoring

An effluent monitoring program shall be designed to evaluate the water quality of the discharge of circulated seawater from the proposed seawater life support system. An effluent sampling station(s) shall be established at a location(s) where representative samples of treated effluent can be obtained prior to discharge to the leachfield disposal system.

1. The following shall constitute the effluent monitoring program:

| <u>Constituent</u>      | <u>Units</u> | <u>Type of Sample</u> | <u>Minimum Frequency of Analysis</u> <sup>1</sup> |
|-------------------------|--------------|-----------------------|---|
| Total Flow              | gal/day      | --                    | monthly   |
| pH                      | pH units     | grab                  | quarterly   |
| Ammonia-N               | mg/L         | grab                  | quarterly   |
| Total coliform          | MPN/100mL    | grab                  | quarterly   |
| Enterococcus            | MPN/100mL    | grab                  | quarterly   |
| BOD <sub>5</sub> 20°C   | mg/L         | grab                  | annually  |
| Dissolved oxygen        | mg/L         | grab                  | quarterly   |
| Suspended solids        | mg/L         | grab                  | quarterly   |
| Settleable solids       | mg/L         | grab                  | quarterly   |
| Total residual chlorine | µg/L         | grab                  | quarterly   |

<sup>[1]</sup> The Discharger's compliance point is at "end of pipe".

2. The quarterly reports shall contain the following information:

- a. Average and maximum daily waste flow (effluent from retention basin) for each month of the quarter in gallons per day.
- b. Results of at least monthly observations in the disposal area for any over flow or surfacing of wastes.

3. In addition, the Discharger shall annually inspect the wastewater system including disposal area and submit an operation and maintenance report on the system. The information to be contained in the report shall include, at a minimum, the following:

T  
E  
N  
T  
A  
T  
I  
V  
E

- a. Results of annual inspection;
- b. The maintenance records for the wastewater treatment system;
- c. Type of maintenance (preventive or corrective action performed);
- d. Frequency of maintenance, if preventive;
- e. The name of the person responsible for the operation and maintenance of the facility.

### III. WASTE HAULING REPORTING

In the event that waste sludge or other wastes are hauled offsite, the name and address of the hauler shall be reported, along with types and quantities hauled during the reporting period and the location of final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

### IV. OPERATION AND MAINTENANCE REPORT

The Discharger shall annually submit a technical report to the Executive Officer relative to the operation and maintenance program for the Timothy M. Pennington IV, Marine Science Center. The information to be contained in the report shall include the following:

- a. The name and address of the person or company responsible for the operation and maintenance of the facility;
- b. Type of maintenance (preventive or corrective action performed);
- c. Frequency of maintenance, if preventive;
- d. Maintenance record of leaching/disposal fields system; and
- e. Results of at least monthly observations in the disposal area for any overflow or surfacing of waste.

This operations and maintenance record shall be kept current and filed with the annual report due by January 30.

T  
E  
N  
T  
A  
T  
I  
V  
E

V. CERTIFICATION STATEMENT

Each report shall contain the following declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_(Signature)

\_\_\_\_\_(Title)"

VI. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted to a less frequent basis or parameters dropped by the Executive Officer if the Discharger makes a request and the Executive Officer determines that the request is adequately supported by statistical trends of monitoring data submitted.

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: \_\_\_\_\_  
Tracy J. Egoscue  
Executive Officer

Date: March 5, 2009

T  
E  
N  
T  
A  
T  
I  
V  
E