

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 00-121

WASTE DISCHARGE REQUIREMENTS FOR:

BAY CITY FLOWER COMPANY, INC.

for the property located at

2265 CABRILLO HIGHWAY SOUTH
HALF MOON BAY
SAN MATEO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board), finds that:

1. **Site Location:** Bay City Flower Company, Inc. (the Company or the Discharger) is located at 2265 Cabrillo Highway South (aka Highway 1) in Half Moon Bay. The land uses near the site vicinity are a mix of agricultural, commercial and residential.
2. **Site History:** The Company owns the subject property and has operated a greenhouse flower production facility since 1960. The size of the facility extends about 50 acres. The existing wastewater collection system at the facility includes two septic tanks and two leachfields situated in the Main Range and South Range portion of the facility. In keeping with recognized best management practices, there are also two existing irrigation ponds at the facility for the control of stormwater runoff and recovery of irrigation water. The approximate volume of the first pond is about 500,000 gallons, and its overall depth is about 8 feet. This pond is also known as Enemoto Pond, and it is a lined agriculture irrigation pond. This pond is covered with a thick layer of duckweed, which is actually used in engineered natural treatment systems and wastewater lagoons and has demonstrated a proven ability to treat wastes. The volume of the second irrigation pond is about 750,000 gallons, and it is located in the South Range of the facility. At least two feet of freeboard are maintained at all times in both irrigation ponds.

The Company plans to construct a new headquarters building, a septic tank, a wastewater treatment system, and a new irrigation pond with a capacity of approximately one million gallons. This new pond will be located immediately south of the new headquarters building. As a result of this expansion, the Company proposes to build a wastewater treatment system at the facility.

3. **Named Discharger:** Bay City Flower Company, Inc. is named as the Discharger because it proposes to own and operate a wastewater treatment system at its greenhouse flower nursery facility located on 2265 Cabrillo Highway in Half Moon Bay.
4. **Regulatory Status:** This site is currently not subject to Board order, as it is currently regulated pursuant to County ordinance.
5. **Application for Waste Discharge Requirements:** The Discharger submitted an application (Report of Waste Discharge Form 200) for WDRs on April 7, 2000, and supplemental material on June 14, 2000. Board staff commented on the application on July 17, 2000. The Discharger proposes to build a wastewater treatment system at the subject facility. The treatment system is designed to accommodate 200 employees, having a total maximum capacity of 4,000 gallons per day (20 gallons per person per day).
6. **Existing Septic Tanks:** The two existing septic tank systems will be upgraded. The tanks will be fitted with effluent filters and sealed risers, where applicable. The existing leachfields will be discontinued. Instead, the clarified and filtered effluent from each tank will be directed to an effluent pumping basin and pumped to a Fixed Activated Sludge Treatment (FAST) unit via a sealed PVC effluent transfer line. All parts of this system will be easily accessible for inspection and service.
7. **New Septic Tanks:** The new septic system at the office center will consist of a sealed septic tank with sealed risers and lids, and will be fitted with an effluent filter. Clarified effluent will flow by gravity from this new tank to the FAST unit. The effluent filters will reduce suspended solids to acceptable levels (less than 30 mg/l) and will significantly reduce biochemical oxygen demand.
8. **Treatment Unit:** The clarified effluent from the septic systems at the facility will be re-circulated and reacted in the aerobic FAST unit. This FAST unit is the 6.0 model, which is designed for a flow rate up to 4,500 gallons per day. The maximum capacity of the proposed wastewater treatment system shall not exceed 4,000 gallons per day. The actual flow rate with 200 employees, based on monitoring of current usage, is estimated to be about 1,600 – 1,800 gallons per day.

The FAST unit will include a 5000-gallon below-grade concrete tank aerobic fixed biofilm module and an ultraviolet light (UV) unit for disinfection, avoiding harmful by-products of chlorination. The UV unit is known for its increased efficiency in eliminating viruses. The treated wastewater will be discharged to an on-site irrigation pond (the Enemoto Pond) where it will be mixed with collected stormwater and used to irrigate on-site greenhouses.

The UV unit will consist of two redundant modules, operating in series. The treated effluent will make two passes by each UV unit under conditions of turbulent flow, giving each unit of effluent multiple exposures to UV radiation before it is discharged to the pond.

9. **Control System:** Monitors and alarms will be in place to alert personnel in case of any failure in the system. High water alarms in the septic tanks will signal unusually high flow rates. Transmissibility will be monitored from the UV unit, and the light itself will be alarmed. The blower for the FAST unit and the water level in the FAST tank will also be alarmed.

10. **Best Management Practices (BMPs):**

- a. **Stormwater Runoff:** The Company has already implemented and will continue to implement BMPs appropriate to the greenhouse industry throughout the facility for the control and containment of stormwater runoff. Since nutrients are used in operations of the facility and large areas of greenhouse rooftops may collect dust and bird droppings, all runoff at the site is directed to area drains and conveyed to lift stations via a large diameter subsurface stormwater pipe collection system. The collected stormwater is then stored in the large pond at the south end of the site, from which make-up water will be drawn to restock the proposed new irrigation pond. This new pond is to be the repository of the treated and disinfected recycled water from the upgraded on-site wastewater treatment system. The proposed new one million-gallon irrigation pond will more than double current capacity and improves treatment system reliability.

The stormwater collection system and irrigation pond capture runoff from rainfall and settle the suspended constituents of that runoff. Additional attenuation of soluble constituents is provided for in the holding capacity and retention times of the irrigation pond. The collected runoff is valuable to the operation of the commercial nursery and is used for irrigation to the greatest extent possible. In extremely wet years, any emergency discharge of irrigation pond water would occur via a floodgate to a drainage at the northern boundary of the facility. This drainage serves numerous other properties, as well as open land and leads to the Pacific Ocean about one mile west of the facility. Such discharge would likely be highly diluted by stormwater and attenuated via significant settling and retention in the irrigation ponds. In addition, only the surface of the irrigation ponds would be discharged, which means that only water from the clearest and most highly oxidized portion of the water column is discharged. In all cases, BMPs will be implemented to minimize the potential for such a discharge to be maximum extent practicable.

- b. **Greenhouses:** The greenhouses that are irrigated from this system consist of over 120,000 square feet (2.75 acres) and contain thousands of plants in pots. Each individual pot is irrigated with "fertigation" by a micro tube and drip emitter from a header pipe that

runs down the middle of each potting bench. The entire greenhouse is lined with a geotechnical plastic liner, and any irrigation water that drips through the pots is collected by the liner and directed to a sump, from which it is pumped back to the irrigation pond. On average, about 36,000 gallons per day is withdrawn from the pond and about 9,000 gallons per day is returned to the pond via the sump system. Over 27,000 gallons per day is used through plant uptake, evaporation and transpiration in just three of the greenhouses analyzed for inclusion in this system.

11. **Solid Waste:** Solid waste produced at the facility will require disposal at an approved sanitary landfill.
12. **Basin Plan:** The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on June 21, 1995. This updated and consolidated plan represents the Board's master water quality control planning document. The revised Basin Plan was approved by the State Water Resources Control Board and the Office of Administrative Law on July 20, 1995, and November 13, 1995, respectively. A summary of regulatory provisions is contained in 23 CCR 3912. The Basin Plan defines beneficial uses and water quality objectives for waters of the State, including surface waters and groundwaters. The Basin Plan also incorporated the State's Non-degradation Policy.

There is no current existing or potential use of groundwater underlying the subject site listed in the Basin Plan. However, groundwater under the site is subject to the Non-degradation Policy, as are all surface waters in the site's vicinity. A major portion of the runoff generated in the site vicinity does not reach the Pacific Ocean due to the irrigation requirements of the nurseries and golf course adjacent to the site.

13. **CEQA:** The San Mateo County Planning department issued a Negative Declaration for the proposed project in January 2000.
14. **Notification:** The Board has notified the Discharger and all interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge, and has provided them with an opportunity to submit their written comments.
15. **Public Hearing:** The Board, at a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED that the Discharger, Bay City Flower Company, Inc., pursuant to the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. PROHIBITIONS

1. Bypass or overflow of untreated or treated wastewater to waters of the State from the Discharger's wastewater collection, treatment, storage, distribution, or a disposal facility is prohibited.
2. The discharge of toxic substances into the irrigation ponds, or any other substance that will contaminate irrigation ponds, is prohibited.

B. WATER QUALITY SPECIFICATIONS

General:

1. The discharge of wastewater shall not degrade the quality of any groundwater suitable for domestic use, or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.
2. The Discharger shall install a control alarming system at the wastewater treatment system to prevent the occurrence of sewage spills resulting from mechanical breakdown or power failure. The power supply for the alarm system shall be independent of the normal power supply for the wastewater system.
3. The perimeter of the treated wastewater pond shall be adequately fenced in order to restrict public access.
4. Warning signs shall be posted around the ponds to inform the public that the water contained therein is wastewater and is not safe for drinking or contact. Signs shall be of sufficient size to be clearly read. The signs shall be posted at access gates and along each perimeter line of the pond.
5. The treated wastewater shall not be used as a domestic or animal water supply. There shall be no cross-connection between piping containing treated wastewater and potable water supply. There shall be at least ten feet of horizontal and one foot of vertical separation between all pipelines transporting wastewater and all pipelines transporting domestic water, with the domestic water pipelines located above the wastewater pipelines.
6. Wastewater discharged to the treatment system or treated wastewater discharged to the irrigation ponds shall not exceed the flows described in Finding 8 of this Order.

Irrigation ponds:

7. Water at the surface of the ponds shall meet the following quality limits at all times:

- a. Dissolved Oxygen 2.0 mg/l, minimum
 - b. Dissolved Sulfides 0.1 mg/l, minimum
 - c. pH between 6.5 and 8.5
 - d. Chlorine Residual 0.0 mg/l
 - e. Total Suspended Solids (TSS) 30.0 mg/l
 - f. Total Organic Carbon 30.0 mg/l
 - g. Oil & Grease 10.0 mg/l
8. To prevent the threat of overflows, a minimum freeboard of two feet shall be maintained in the ponds at all times, except during periods of rainfall that exceed the design ten-year return period rainfall.
9. The ponds shall be lined or compacted so that percolation of wastewater into subsurface soils has a rate of not more than 10^{-6} cm/sec.
10. The pond receiving treated wastewater effluent shall be equipped with one or more aerators if necessary to provide sufficient aeration capacity to achieve aerobic biological stabilization of the treated wastewater discharged to the pond, and to prevent the creation of anaerobic or nuisance conditions.
11. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.

Effluent Limitations from Wastewater Treatment and Ponds:

12. Effluent limitations of wastewater treatment system and ponds shall be adequately oxidized and disinfected to meet the following quality limits at all times:
- a. Biochemical Oxidation Demand 40.0 mg/l, maximum
 - b. Dissolved Oxygen 2.0 mg/l, minimum
 - c. Dissolved Sulfides 0.1 mg/l, maximum
 - d. TSS 30.0 mg/l
 - e. Chlorine Residual 0.0 mg/l
 - f. Total Coliform 240 MPN/100 ml, single-sample maximum; and
23 MPN/100 ml, seven-sample median maximum
13. Discharge of treated wastewater to the ponds shall be discontinued during any period when the limits specified in B.12 above are not being met. The discharge of treated wastewater shall not be resumed until all conditions that caused the limits specified in B.12 to be exceeded have been corrected.

14. Treated wastewater shall not be discharged onto any facility or area not designated for disposal such as walkways, passing vehicles, buildings, domestic water facilities or food handling facilities.

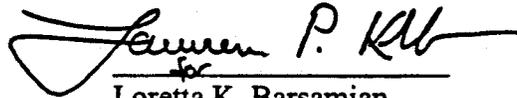
C. PROVISIONS

1. The Discharger shall comply with all sections of this Order immediately upon adoption.
2. **Self-Monitoring Program:** The Discharger shall comply with the Self-Monitoring Program for this Order as adopted by the Board and as may be amended by the Executive Officer.
3. The Discharger shall submit to the Board as-built plans of the completed wastewater treatment system and the ponds within 60 days of complete implementation of the system.
4. **No Nuisance:** The storage, handling, treatment, or disposal of waste or treated wastewater shall not create a nuisance as defined in California Water Code Section 13050(m).
5. **Good Operation and Maintenance (O&M):** The Discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed to achieve compliance with the requirements of this Order.
6. **O & M Program and Manual:** The Discharger shall develop and implement an O & M Program for the wastewater treatment system, in accordance with the following:
 - a. The O & M Program shall address all aspects of the wastewater treatment system necessary to maintain compliance with this Order.
 - b. The Discharger shall develop an O & M Manual for the wastewater system which includes the following:
 - 1) Descriptions and scaled plan drawings of the overall wastewater treatment system, including pipes, valves, and control equipment;
 - 2) Description of wastewater flow through the system, from sources to final disposal;
 - 3) Descriptions and specifications of all system components and equipment;
 - 4) Routine procedures for operations of the wastewater treatment system including the septic tanks, pumps, treatment units, and ponds;
 - 5) Detailed procedures and criteria for operation of the stormwater collection system;
and
 - 6) Procedures for maintenance of all system components.
 - c. The Discharger shall submit to the Board a technical report, acceptable to the Executive Officer, within 60 days of the date of adoption of this Order. This report shall include a

complete copy of the O & M Manual, and identification of person(s) responsible for implementation of the O & M Program.

- d. The Discharger shall periodically review and update the O & M Manual, as necessary, in order to ensure that this document remains applicable to the wastewater treatment system and its proper operation.
 - e. By January 31 of each year, the Discharger shall submit an annual report to the Board containing any revisions or updates of the O & M Manual that have been made, or a letter stating that the Manual remains adequate and no revisions are necessary.
7. Solid materials and sludge removed from the wastewater treatment system and the ponds shall be disposed of at a legal point of disposal, and in accordance with the provisions of Title 27 of the California Code of Regulations. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed or waived by the Regional Board and which is in full compliance therewith. This Order does not authorize storage or disposal of solids on the site property.
8. **Lab Qualifications:** All samples shall be analyzed by State-certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control (QA/QC) records for Board review. This provision does not apply to analyses that can only reasonably be performed on-site (e.g., temperature).
9. **Document Distribution:** Copies of all correspondence, technical reports, and other documents pertaining to compliance with this Order shall be provided to the following agencies:
- a. City of Half Moon Bay, Department of Public Works Services
 - b. County of San Mateo, Department of Environmental Health Services
 - c. San Mateo County Stormwater Pollution Prevention Program
- Note:** The Executive Officer may modify this distribution list as needed.
10. **Contractor / Consultant Qualifications:** The wastewater treatment system shall be operated and maintained by persons that are experienced in, and knowledgeable of, proper wastewater treatment and disposal practices. Such persons shall be wastewater treatment plant operators possessing a current and valid certification from the State of California, or other persons with similar knowledge and experience and valid professional registration or license.

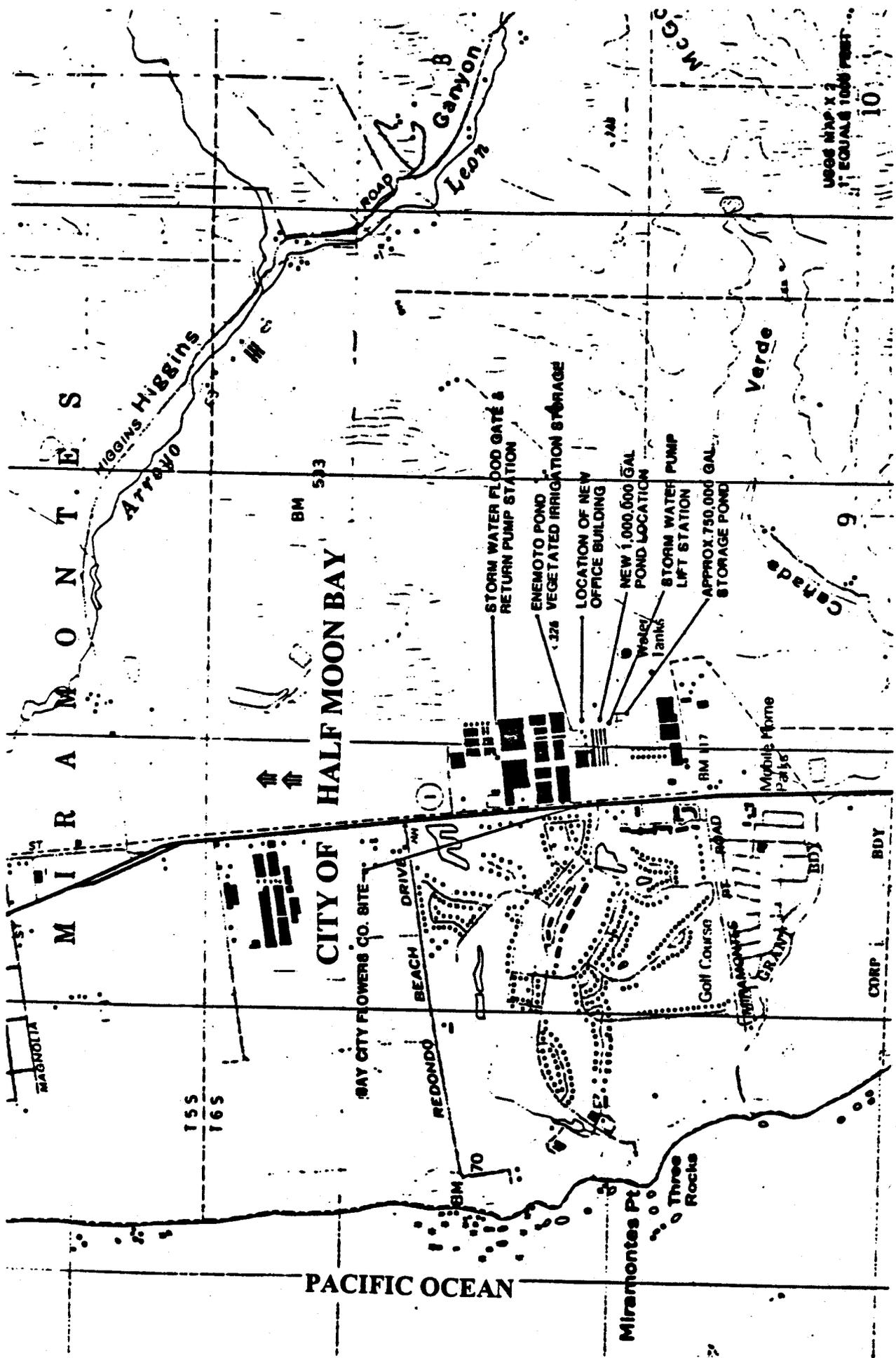
I, Loretta K. Barsamian, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on November 29, 2000.

A handwritten signature in black ink, appearing to read "Loretta K. Barsamian". The signature is written in a cursive style with a large, sweeping initial "L".

for
Loretta K. Barsamian
Executive Officer

Attachments: Facility Site Plan
Self-Monitoring Program

REGIONAL BOARD'S ORDER (WDRs) FC
 BAY CITY FLOWER COMPANY, INC.



FACILITY SITE PLAN

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

**SELF-MONITORING PROGRAM
for
BAY CITY FLOWER COMPANY, INC.**

for the property located at

**2265 CABRILLO HIGHWAY SOUTH
HALF MOON BAY
SAN MATEO COUNTY**

ORDER NO. 00-121

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I. GENERAL

- A. Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and Board Resolution No. 73-16.
- B. The principal purposes of a monitoring program by a waste discharger or reclaimed water user, also referred to as a Self-Monitoring Program (SMP), are:
 - 1. To document compliance with Board Order No. 00-121 (WDRs); and
 - 2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from any waste discharge.

II. SAMPLING AND ANALYTICAL METHODS

- A. Sample collection, storage, and analyses shall be performed according to Code of Federal Regulations Title 40, Section 136 (40 CFR S136), or other methods approved and specified by the Executive Officer.
- B. Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DOHS), or a laboratory waived by the Executive Officer from obtaining a DOHS certification for these analyses.
- C. The director of the laboratory whose name appears on the certification, or his/her laboratory supervisor who is directly responsible for the analytical work performed shall supervise all analytical work including appropriate quality assurance/quality control procedures in his/her laboratory and shall sign all reports of such work submitted to the Board.
- D. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

- A. **Grab Sample:** A grab sample is defined as an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples are used primarily in determining compliance with daily maximum limits and instantaneous maximum limits. Grab samples represent only the condition that exists at the time the sample is collected.
- B. **Flow Sample:** A flow sample is defined as the accurate measurement of the flow volume over a given period of time using a properly calibrated and maintained flow-measuring device. Flows calculated from properly maintained pump use records for an accurately calibrated pump are acceptable.

C. **Freeboard:** Freeboard is defined as the vertical distance between the water surface and the lowest elevation of the top of the water impoundment containment (pond berm).

D. **Standard Observations:**

Pond Area

1. For each pond, determine pond freeboard in feet.
2. Check all aerators for operational status. Note whether operating or not.
3. Check for evidence of seepage from the ponds or from any associated pipes, valves or other wastewater system equipment. If seepage is observed, show on a site plan drawing the apparent source and affected area, and report estimated volume or flow rate of seepage.
4. Check for odor from ponds. If nuisance odors present, describe the odor, indicate apparent source or cause, direction of travel, and any public use area or offsite area affected by the odors.
5. Check perimeter fence for integrity and proper closure of all gates.
6. Check that warning signs are properly posted to inform public that pond contains treated wastewater, which is not safe for drinking or contact.

IV. DESCRIPTION OF SAMPLING AND OBSERVATION STATIONS

NOTE: A site plan drawing showing the locations of all of the following sampling and observations stations shall be submitted with the first monitoring report under this program. A copy of this drawing shall also be submitted with the monthly monitoring report whenever problems or violations are reported, or station locations are changed.

- A. **Wastewater Treatment System:** To determine the effectiveness of the wastewater treatment system, the Discharger shall collect and analyze water samples at two sampling stations: before disinfecting the treated wastewater (**influent, WWTSI**) and after disinfection is completed (**effluent, WWTSE**).
- B. **Pond Water:** The Discharger shall collect and analyze representative water samples from all the ponds (**PW1, PW2 & PW3**) at the facility. The water samples shall be collected at about two feet from the water's edge.
- C. **Floodgate Effluent:** The Discharger shall collect and analyze water samples at the effluent of the floodgate (**FGE**) if any emergency discharge occurs.

V. SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

The Discharger is required to perform sampling, analyses and observations according to the schedule given below in Table 1.

Table 1 – Schedule for Sampling, Analyses and Observations

Type of Samples			Sampling Station			
Parameter	Units	Notes	WWTSI	WWTSE	PW1, PW2 & PW3	FGE
Flow, Monthly Total	Gallons		[1], Cont/M, Flow & G	[1], Cont/M, Flow & G	[2] & G	[2], Flow & G
Flow, Average Daily	GPM	[3]		M		
pH	pH units			W	W	[2]
Dissolved Oxygen	mg/l			W	W	[2]
Dissolved Sulfides	mg/l	[4]			W	
BOD ₅ 20°C	mg/l			W	W	[2]
Total Suspended Solids (TSS)	mg/l			W		[2]
Total Organic Carbon (TOC)	mg/l					[2]
Oil & Grease	mg/l					[2]
Total Coliform	(MPN/100 ml)	[5]				[2]
Chlorine Residual	mg/l	[6]				[2]

Legend for Table 1

- BOD₅ 20°C = 5-day Biochemical Oxygen Demand, at 20 Degree Centigrade
- Cont = Continuous
- FGE = Floodgate Effluent
- Flow = Flow Measurement
- GPM = Gallons per Minute
- G = Grab Sample
- mg/l = Milligram per Liter
- M = Once a Month
- MPN/100 ml = Most Probable Number, per 100 Milliliters
- PW1/PW2/PW3 = Pond Water (Ponds # 1, 2 & 3)
- TSS = Total Suspended Solids
- WWTSE = Wastewater Treatment System Effluent
- WWTSI = Wastewater Treatment System Influent
- W = Once a Week

Notes:

- [1] = Measurements and analyses required at all times
- [2] = Measurements and analyses required only if there is an emergency discharge to any storm drain or the floodgate must be opened to avoid pond overflow or failure
- [3] = Flow shall be measured continuously, and reported as follows:
 - (a) Monthly total flow, gallons per month; and average daily flow, gallons per day of the wastewater treatment system; and
 - (b) Monthly total flow, gallons per month if any emergency discharge occurs
- [4] = Analysis of dissolved sulfides is required only whenever dissolved oxygen is below 2.0 mg/l.
- [5] = Sampling and analysis of disinfected treated wastewater effluent for Total Coliform is required Daily and if any emergency discharge occurs. Sampling shall include analysis and reporting of the chlorine residual level of each sample taken for Total Coliform analysis.
- [6] = Chlorine residual (zero residual) shall be monitored at the discharge of the wastewater treatment system and reported daily and if any emergency discharge occurs

VI. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. **Self-Monitoring Reports:** Written monthly reports shall be filed regularly for each calendar month. Reports shall be submitted to this Regional Board's office no later than the fifteenth day of the month following the end of monitoring period. The reports shall consist of the following:

- 1. **Letter of Transmittal:** A letter transmitting the self-monitoring reports should accompany each report. Such a letter shall include a discussion of all violations of this Order found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. Discussions shall include specific dates and times when violations occurred or corrective actions were taken, and a complete description of these actions. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

The transmittal letter shall also contain a statement of certification by the Discharger, or the Discharger's authorized agent, under penalty to perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

2. **Results of Analyses and Observations:** The Discharger shall submit acceptable tabulated results from each required analysis and/or observation specified in Table 1 by date, time, type of sample, and sampling station.

B. **Report of Permit Violation:** In the event that the Discharger violates, or threatens to violate the conditions of the waste discharge requirements and prohibitions due to:

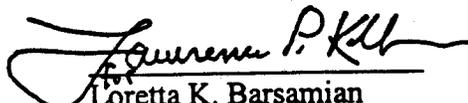
1. Maintenance work, power failure, or breakdown of wastewater transport or treatment equipment;
2. Accidents caused by human error or negligence; and
3. Other causes such as acts of nature;

the Discharger shall notify the Regional Board office by telephone as soon as the Discharger or the Discharger's agents have knowledge of the incident. **Written confirmation** of this notification shall also be submitted **within five working days** of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

C. **Record Keeping:** The Discharger or his/her agent shall retain data generated for the above reports, including lab results and quality assurance/quality control (QA/QC) data, for a minimum of three years after origination and shall make them available to the Board upon request.

D. **Self-Monitoring Program (SMP) Revisions:** Revisions to the SMP may be ordered by the Executive Officer, either on his/her own initiative or at the request of the Discharger. Prior to making SMP revisions, the Executive Officer will consider the burden, including costs, of associated self-monitoring reports relative to the benefits to be obtained from these reports.

I, Loretta K. Barsamian, Executive Officer, hereby certify that this Self-Monitoring Program was adopted by the Regional Board on November 29, 2000.


Loretta K. Barsamian
Executive Officer