

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

SELF-MONITORING PROGRAM

for

**MUSTARDS GRILL, CYNTHIA PAWLKYN, and
MUSTARDS GRILL WASTEWATER TREATMENT SYSTEM
7399 ST. HELENA HIGHWAY, NAPA COUNTY**

for

ORDER NO. R2-2006-0071

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I. PURPOSE

A. GENERAL

1. This monitoring program is for waste discharge requirements adopted by the California Regional Water Quality Control Board, San Francisco Bay Region (Board).
2. The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program (SMP), are:
 - a. To document compliance with waste discharge requirements and prohibitions established by the Board; and
 - b. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution or potential threats to water quality arising from waste discharges.
3. 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.

II. SAMPLING and ANALYTICAL METHODS

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 of the Board (Executive Officer).

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DOHS), or by a laboratory waived by the Executive Officer from obtaining a DOHS certification for these analyses, or as otherwise specified in this SMP.

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.

Measurements by use of portable analytical equipment (field instruments) is acceptable for selected parameters, given the following conditions:

1. The analytical equipment is appropriate for the given analysis and water or waste;
2. The analytical equipment is properly maintained and calibrated;
3. The equipment user is knowledgeable of proper sampling and equipment use practices; and
4. Written notification of the intended use has been provided in advance to the Board, and no the Board has not stated any objections.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION of TERMS

The following are definitions and explanations of terms used in this monitoring program.

A. FACILITY AND WASTEWATER SYSTEM

NOTE: Additional descriptions of the following are given in the findings of this Order.

- 1. Facility Site.** The facility site is the land parcel on which the Mustards Grill facility is located, Napa County Assessors Parcel Number 27-500-14.
- 2. Wastewater System.** The wastewater system is comprised of all constructed mechanical apparatus located on the facility site that provide collection, conveyance, treatment, storage, dispersal and management of wastewater and wastewater solids from the Mustards Grill facility. This includes, but is not limited to, septic tanks, grease trap tanks, pipes, pumps, pump tanks, valves, wastewater treatment units, sludge storage tanks, the subsurface dispersal system, and all devices and equipment used to control and monitor the wastewater and the wastewater system.
- 3. Dispersal Area.** The dispersal area is a graded, vegetated land area located on the facility site behind, southwest of, the restaurant building and adjacent (rear) vehicle parking area, where the subsurface dispersal system pipe network is installed.
- 4. Dispersal System.** The dispersal system is the portion of the wastewater system used for conveyance and discharge of treated wastewater to land in the dispersal area. This includes, but is not limited to, pumps, pipes, subsurface dispersal tubing and all equipment used to control and monitor the dispersal operations.

B. TYPES OF SAMPLES

- 1. Flow measurement.** Flow measurement is the accurate measurement of the flow volume over a given period of time using a properly calibrated and maintained flow measuring device. Flow determination from a properly calibrated and maintained automated pump-use recording device, such as a pump dose event counter, for a calibrated and documented pump, is acceptable.
- 2. 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 or instantaneous maximum or minimum limits, and also for bacteriological limits. Grab samples represent only the condition that exists at the time the sample is collected.
- 3. Ground water levels.** Ground water level is the water surface of observed ground water. For reporting, ground water levels shall be reported as both (a) depth below ground surface - the vertical distance between the ground water level and the overlying ground surface, and (b) ground water elevation - the elevation of the ground water level with respect to a single common reference elevation for which there is an identified fixed stable elevation reference station at the facility site.
- 4. Ground water samples.** Ground water samples are samples of ground water obtained from monitoring wells for analytical characterization. Sampling of ground water shall be conducted in accordance with current accepted standard practices for ground water sampling.
- 5. Observations.** Observations are primarily visual observations and inspection of conditions. Observations may include recording measurements from monitoring devices such as freeboard determined from a water level staff gauge, or precipitation determined from a rain gauge.

C. SAMPLING FREQUENCY

- Continuous = Continuous monitoring.
- Daily = One time each calendar day.
- Weekly = One time per calendar week, with sampling interval of at least five days.
- Monthly = One time per calendar month, with sampling intervals of at least three weeks.
- Quarterly = One time per calendar quarter, at intervals of about three months.
- Twice per Month = Two times per calendar month, with sampling intervals of at least ten days.

D. MONITORING PERIODS

For purposes of monitoring, reporting and compliance determinations relevant to requirements specified in this Order and SMP, the following time periods apply:

1. **Daily.** The Daily time period is a 24-hour period associated with a calendar day. The 24-hour period may overlap calendar days (e.g., 8 am of one day to 8 am of the next), but shall be consistent from one day to the next, for all monitoring and reporting.
2. **Weekly.** The Weekly period is a 7-day calendar week.
3. **Monthly.** The Monthly time period is each respective calendar month.
4. **Annual.** The Annual time period is from April 1 of one calendar year through March 31 of the next following calendar year.

E. ABBREVIATIONS USED IN TABLE 1, SCHEDULE FOR MONITORING

1. Type of Sample Abbreviations.

- C = Composite Sample
- F = Flow measurement
- G = Grab Sample
- GL= Ground water level measurement.
- O = Observation.

2. Parameter Abbreviations.

- BOD₅ 20°C = Biochemical Oxygen Demand, 5-day, at 20 °C
- TSS = Total Suspended Solids
- Nitrogens = Ammonia Nitrogen, Nitrate Nitrogen and Total Kjeldahl Nitrogen.

3. Unit Abbreviations.

- F or C = Fahrenheit or Celsius
- mg/L = milligrams per liter
- MPN/100 ml = Most Probable Number, per 100 milliliters
- N = Nitrogen

4. Sampling Frequency Abbreviations.

- | | |
|---------------|----------------------------------------------|
| A = Annual | Cont = Continuous |
| D = Daily | EE = Event = Each service or discharge event |
| W = Weekly | D & M = Daily and Monthly |
| M = Monthly | W & M = Weekly and Monthly |
| Q = Quarterly | 2/M = Twice per Month |

Cont: D&M = Continuous monitoring; Record and Report Daily & Monthly

Cont: M&A = Continuous monitoring; Record and Report Monthly & Annual Totals

2X = Two times (per wet weather season) Further specifications are given at Section V.B.8, below.

F. STANDARD OBSERVATIONS

1. Dispersal area.

- (a) Check dispersal area for odors.

- (b) Check dispersal area for evidence of wastewater surfacing or ponding.
- (c) Check dispersal area perimeter for proper hydraulic containment of wastewater. During dry season, note any seepage. During wet season, note any concentrated runoff flows.
- (d) Check all dispersal system distribution pipes for structural and hydraulic integrity.
- (e) Check dispersal area grass for proper maintenance (mowing). Record approximate height of grass.

IV. DESCRIPTION of MONITORING STATIONS

A. GENERAL

1. **Monitoring Station Definitions.** Stations to be used for sampling and observations in this SMP are described in Section IV.B, below. Each station is identified by a station code, and station description. The Station Code is a reference code for station identification in this SMP, and in recording and reporting of monitoring data. The Station Description is a description of the water, wastewater, point of the wastewater system, or land area where specified monitoring is to be conducted.
2. **Monitoring Station Changes.** Changes to the monitoring stations defined in this SMP may be authorized by the Executive Officer, in order to accommodate changes in the wastewater system or wastewater system operations or to provide improved monitoring. Requests for changes to the monitoring stations must be submitted to the Board in writing, with a detailed explanation of the purpose of the proposed station changes. Proposed changes to monitoring stations must be approved in writing from the Executive Officer, prior to implementation.
3. **Site Plan Showing All Monitoring Stations.** The Discharger shall develop a scaled and legible plan view drawing of the facility site which clearly shows all major components of the wastewater system and the locations of all monitoring stations identified in this SMP. A copy of this drawing shall be included with all reports submitted in response to this SMP.

B. WASTEWATER

1. Mustards Grill wastewater.

- a. Station Code: A-1
- b. Station Description: Wastewater at a point, or combination of multiple points, in the wastewater collection system suitable for measuring the total flow of all wastewater from the Mustards Grill facility.
- c. Purpose. The purpose of this station is for measurement of total volume of wastewater flow from the Mustards Grill facility, and documentation of compliance with the Authorized Wastewater Flow (annual total flow) limit given in Discharge Specification B.2.a. of this Order.
- d. Alternative: Flow monitoring at station M-1 may be used for this purpose. If station M-1 data is used, then that shall be so noted in the monitoring reports.

2. MBR Influent.

- a. Station Code: M-1
- b. Station Description: Wastewater influent to the MBR treatment unit.
- c. Purpose. The purpose of this station is for measurement of wastewater flow into the MBR unit, and for sampling of the wastewater for analytical characterization of the MBR unit influent.

3. MBR Effluent.

- a. Station Code: M-2
- b. Station Description: Treated wastewater at a point after the MBR treatment unit, prior to discharge to the dispersal system.

- c. Purpose. The purpose of this station is for measurement of flows of final treated wastewater from the MBR unit, and for analytical characterization of the MBR unit effluent in order to document water quality, treatment process performance and compliance with discharge effluent limit requirements.

4. Discharges to the Dispersal System.

- a. Station Code: E-1
- b. Station Description: Effluent from the dispersal system pump tank at a point where all wastewater discharged into the dispersal system is present.
- c. Purpose. The purpose of this station is for measurement of flows discharged to the subsurface dispersal system, and documentation of compliance with the Authorized Wastewater Flow limits given in Discharge Specification B.2.c. of this Order.
- d. Alternative: Flow monitoring at station M-2 may be used for this purpose, if the Discharger's wastewater system operator documents that the flows monitored at station M-2 accurately represent the flows at station E-1, for the monitoring period being reported.

5. Temporary Storage Tanks - Wastewater.

- a. Station Code: TS-1, TS-2, and TS-3, respectively
- b. Station Description: At each of three 5,000-gallon tanks adjacent to the MBR unit used for temporary storage of wastewater, wastewater discharged into or removed from out of these tanks.
- c. Purpose. The purpose of these stations is for monitoring flows into or out of these storage tanks.

C. MBR SLUDGE

1. MBR Waste Sludge.

- a. Station Code: M-3
- b. Station Description: Sludge discharged from the MBR unit.
- c. Purpose. The purpose of this station is for measurement of the total volume of sludge solids discharged from the MBR unit (into the MBR sludge storage tank).

2. Sludge Storage Tank.

- a. Station Code: SS
- b. Station Description: At the 5,000-gallon tank adjacent to the MBR unit used for temporary storage of MBR waste sludge, sludge removed from this tank for haul-away and off-site disposal.
- c. Purpose. The purpose of this station is for measurement of the total volume of MBR sludge solids removed from the MBR sludge storage tank, for pump-truck haul-away for offsite disposal.

D. TREATMENT TANKS (Septic Tank, Grease Trap Tanks, and Lift Station Tank)

1. Septic Tank 1

- a. Station Code: ST-1
- b. Station Description: Tank that receives sanitary wastewater from the Mustards Grill facility.

2. Grease Trap 1

- a. Station Code: GT- 1
- b. Station Description: Grease trap tank that receives kitchen wastewater from Mustards Grill.

3. Grease Trap 2

- a. Station Code: GT-2
- b. Station Description: Grease trap tank that receives wastewater from Grease Trap 1.

4. Grease Trap 3

- a. Station Code: GT- 3
- b. Station Description: Grease trap tank that receives wastewater from Grease Trap 2.

5. Grease Trap 4

- a. Station Code: GT- 4
- b. Station Description: Grease trap tank that receives sanitary wastewater from Septic Tank 1 (ST-1) and kitchen wastewater from Grease Trap 3 (GT3) and the two wastewater streams become mixed.

6. Lift Station Wet Well

- a. Station Code: WW-1
- b. Station Description: Pump tank.

7. Purpose. The primary purpose of these stations is for measurement of the total volume of material removed from the respective tanks, for haul-away and disposal to an off-site location.

E. DISPERSAL AREA OBSERVATION STATIONS

- a. Station Code: D - n
- b. Station Description: Points within and around the perimeter of the dispersal area suitable for observation of dispersal area conditions.
- c. Purpose. The purpose of these stations is for conducting standard observations of the wastewater dispersal area.

F. GROUND WATER

1. Up-gradient Well.

- a. Station Code: GW-1
- b. Station Description: Ground water at a monitoring well located up-gradient from the dispersal area, and representative of background ground water conditions.

2. Down-gradient Wells.

- a. Station Code: GW-2A, GW-3 and GW-4A
- b. Station Description: Ground water at each of three monitoring wells located down-gradient from the dispersal area, and representative of ground water conditions down-gradient of that area.

3. Purpose. The purpose of these stations is for observation and measurement of ground water levels and for obtaining samples of ground water for analytical characterization of the ground water there.

4. Locations. The locations of these wells are shown on the Facility Site Plan, Attachment B of this Order.

G. DISPERSAL AREA STORM WATER DISCHARGES

1. Storm Water Near MBR Unit

- a. Station Code: SW-1
- b. Station Description: Water which originated as rainfall, has fallen on the dispersal area and has run off to the on-site storm water drainage channel adjacent to the MBR treatment unit, at a point where a water sample representative of the runoff from this area can be obtained.

2. Storm Water at Northeast Drainage Ditch

- a. Station Code: SW-2
- b. Station Description: Water which originated as rainfall, has fallen on the dispersal area and has run off to the on-site storm water drainage channel northeast of the dispersal area, at a point where a sample representative of the water being discharged to the off-site storm water drainage system can be obtained.

3. Purpose. The primary purpose of these stations is for sampling for analytical characterization of storm water discharges from the MBR unit area and dispersal area to the off-site storm water drainage system.

V. MONITORING SCHEDULE and MONITORING SPECIFICATIONS

A. MONITORING SCHEDULE

1. **Table 1.** The Discharger is required to perform sampling, analyses and observations according to the schedule given below in **Table 1- Schedule for Monitoring**, given at the last page of this SMP, and the associated Monitoring Specifications given in Section V.B. below.
2. **Table 1 Notes.** Table 1 includes references identified as “Notes”, numbered, e.g., [1], [2], etc., which are associated with particular monitoring parameters or monitoring stations. These references correspond to further monitoring specifications given in Section V.B., Monitoring Specifications, below.

B. MONITORING SPECIFICATIONS

1. Flow Monitoring and Reporting.

- a. For station A-1, total wastewater flow from the Mustards Grill facility into the wastewater system, flows shall be monitored continuously and reported as Monthly and Annual total flow, in gallons.
- b. For station M-1, influent to the MBR unit, flows shall be monitored continuously and reported as Daily Flow and Monthly Total Flow, in gallons.
- c. For station M-2, effluent from the MBR unit, flows shall be monitored continuously and reported as Daily Flow and Monthly Total Flow, in gallons.
- d. For station E-1, discharges to the dispersal area, flows shall be monitored continuously and reported as Daily Flow and Monthly Total Flow, in gallons.
- e. For stations TS-1, TS-2 and TS-3, the temporary wastewater storage tanks, for each station, flows shall be monitored for each event - discharges into or out of the tanks - and reported as Daily Flow in and/or Daily Flow out, respectively, for each day when such flows occur, in gallons.
- f. For station M-3, waste sludge from the MBR unit into the sludge storage tank, flows shall be monitored continuously and reported as Daily Flow and Monthly Total Flow, in gallons. Determination of waste sludge volume by measuring changes in water surface elevation in the MBR Unit aeration tank and calculation of corresponding volume removed is acceptable, provided the method is completed described in the O&M Manual, and recorded logs of measurements and calculations are maintained.
- g. For station SS, sludge removed from the sludge storage tank, flows shall be monitored for each service event when sludge is removed, and reported as total volume removed, in gallons.
- h. For stations ST-1, GT-1 through GT-5, and WW-1 (the septic tank, the grease trap tanks, and pump station tank, respectively) flows shall be monitored for each service event when water or sludge is removed, and reported as total volume removed, in gallons. If multiple tanks are serviced in a single service event, the total volume removed from all tanks serviced may be reported as single daily total volume, in gallons, and all tanks serviced noted and reported.

2. Nitrogens.

- a. The parameter ‘Nitrogens’ in this SMP means all of the following parameters:
 - (1) Ammonia Nitrogen,
 - (2) Nitrate Nitrogen, and
 - (3) Total Kjeldahl Nitrogen (TKN).
- b. Analytical results for the above nitrogen parameters shall be reported as: mg/L as nitrogen.
- c. Determination of compliance with the limit specified in this Order for Total Nitrogen (17 mg/L as N) shall use the sum of the analytical results for Nitrate Nitrogen, and Total Kjeldahl Nitrogen (TKN).

3. **Ground Water Level.** For all groundwater monitoring wells, stations GW-n, ground water levels shall be measured, recorded and reported for each station, twice per month, in feet and decimals of feet; Units of measure used shall be clearly stated in each monitoring report where the data is reported.

4. Precipitation. Precipitation (rainfall) monitoring shall be continuous, and recorded and reported as the total rainfall for each calendar day and for each calendar month. Precipitation monitoring shall be representative of precipitation falling on the dispersal area. For purposes of this monitoring, data from the State of California CIMAS station designated as “Oakville-North Coast Valleys-Station 77” is acceptable.

5. Transfer Event Data.

a. For all transfers of wastewater INTO the temporary storage tanks (stations TS-1, TS-2 or TS-3), in addition to flow volume, the following shall be reported:

- (1) Calendar date of each transfer event,
- (2) Times of day when event started and stopped; and
- (3) Wastewater source.

b. For all transfers of wastewater OUT OF the temporary storage tanks (stations TS-1, TS-2 or TS-3), in addition to flow volume, the following shall be reported:

- (1) Calendar date of each transfer event
- (2) Times of day when event started and stopped; and
- (3) Wastewater destination.

6. Service Event Data.

For all service events involving removal of wastewater and /or wastewater solids (aka sludge) from the wastewater system for haul-away and off-site disposal, the following shall be reported for each station:

- (1) Calendar date of the service event;
- (2) Times of day when service started and stopped;
- (3) Component serviced (Monitoring Station, or narrative description);
- (4) Total volume of material removed;
- (5) Service Provider; and
- (6) Final destination point of disposal (e.g., specific municipal wastewater treatment plant).

7. Standard Observations. Standard Observations are defined in SMP Section III.

8. Storm Water Monitoring (Stations SW-n).

Storm water from the dispersal area discharged to the off-site storm water drainage system shall be characterized by sampling and analysis for the parameters identified in Table 1, in the column labeled ‘All SW’, and in accordance with the following:

a. 2X. For parameters identified by the frequency code ‘2X’, sampling and analyses shall be conducted for the identified parameters in each of two separate sampling events conducted on separate days during the first two significant rainfall events of each December that generate storm water runoff from the dispersal area into the on-site storm water drainage ditch, and thence offsite.

b. Flows. Storm water flow rate and/or event total flow volume shall be estimated and reported.

c. Spills or Overflows. For any event involving discharges of wastewater to storm water, the resultant storm water shall be sampled and analyzed for the parameters identified by the frequency code "EE". Such events include spills, overflows or leaks, to standing or flowing storm water. Sample sets shall be obtained both upon knowledge of such event, and following any corrective actions taken.

C. INCREASED MONITORING FREQUENCY

If any monitoring indicates a violation of waste discharge requirements or unstable wastewater system operation or performance, OR, if any specified samplings or analyses are not completed as required, then the monitoring for the parameter(s) and monitoring station(s) in concern shall immediately and henceforth be

conducted at twice the frequency identified in Table 1 of this SMP. This increased monitoring frequency shall be maintained for at least two sampling events, and until such time as the results of monitoring indicate violations are no longer occurring or the problem has been corrected and the wastewater system has returned to stable operation and performance.

D. MONITORING BY USE OF AUTOMATED INSTRUMENTS

Selected parameters may be monitored by the use of automated analytical instruments, provided such instruments are properly maintained and periodically calibrated to ensure accurate measurements, and that these instruments and their use is documented in the Operation and Maintenance Program Manual, and written approval by the Executive Officer has been provided.

E. GROUND WATER MONITORING PROGRAM

The Discharger is required to implement a program of ground water monitoring in the vicinity of the wastewater dispersal area, in accordance with Provision 7 of this Order. This SMP includes monitoring and reporting requirements for this program, based on the existing ground water monitoring wells. Revisions to these requirements may be made in writing, by the Executive Officer, in response to the technical report required by Provision 7 or other new information about groundwater or groundwater monitoring related to the discharges.

F. MODIFICATION OF MONITORING PRACTICES

Modifications of the monitoring practices specified in this SMP may be authorized by the Executive Officer, in consideration of acceptable accumulated data and acceptable alternate means of monitoring. Factors to be considered include: data quality, adequate characterization of the identified water or wastewater system process, consistency of system performance, compliance with waste discharge requirements, and acceptable means for providing equivalent and adequate monitoring of the identified water or wastewater system process. Requests for modification of monitoring practices must be submitted to the Board in writing, with a technical report which includes evaluation of accumulated data, and a complete description of proposed alternate means of monitoring. Proposed modifications of monitoring practices must be approved in writing from the Executive Officer, prior to implementation.

VI. REPORTS to be SUBMITTED to the BOARD

A. MONITORING REPORTS.

The Discharger shall submit to the Board monitoring reports documenting the wastewater system operation and performance, and compliance with waste discharge requirements, in accordance with the following:

1. Report Schedule.

- a. Monthly Reports.** Written reports shall be prepared for each calendar month and shall be submitted to the Board's office by the last day of the month following the monitoring period.
- b. Annual Reports.** Written reports shall be prepared for each annual monitoring period (April 1 through March 31) and shall be submitted to the Board's office by May 15th following the monitoring period.

2. Transmittal Letter.

A letter of transmittal shall accompany each monitoring report submitted to the Board.

The transmittal letter shall include the following:

- a. Identification.** Identification of the following:
 - (1) The discharge facility by name and address;

- (2) The monitoring period being reported;
- (3) The name and telephone number of a person familiar with the report and the current status of the wastewater system, for follow-up discussions as may be needed; and
- (4) The name of the Board staff case handler.

- b. Operation and Maintenance Activities.** Discussion of all significant wastewater system operation and maintenance activities that occurred during the reporting period (e.g., pumping of septic tanks or grease traps; repair or replacement of wastewater system equipment), including dates and reasons for such activities.
- c. Violations or Problems.** Discussion of any violations of waste discharge requirements, and any problems or unusual conditions, that occurred during the reporting period. This shall include reporting of the following information:
- (1) Date and time of occurrence;
 - (2) Location of occurrence, shown on a scaled plan drawing of the facility site;
 - (3) Description of the violation, problem or unusual condition;
 - (4) Corrective actions taken or planned to correct the violation, problem, or unusual condition and a time schedule for implementation of these actions. Actions may include increased monitoring and any changes to wastewater system equipment or operations.

If a report describing corrective actions and/or a time schedule for implementation of corrective actions was previously submitted to the Board, then reference to that report is satisfactory. Report references shall include the Date, Title or subject, and Author of the referenced report.

- d. Transmittal Letter Signature(s).** The transmittal letter shall be signed by: (1) the Discharger's principal executive officer, ranking elected official or duly authorized representative, and (2) the wastewater system chief plant operator, with the following certification statement:

"I certify under penalty of law that this document and all attachments have been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. 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 fine and imprisonment."

3. Results of Analyses and Observations.

Each report shall include results of analyses and observations in accordance with the following:

- a. Monitoring Results.** Each monitoring report shall include tabulations of results from all required analyses, measurements and observations specified in this SMP for the reporting period, including:
- (1) Date of sampling or observation;
 - (2) Location of sampling or observation (sample station);
 - (3) Parameter of analysis (e.g., pH, Dissolved Oxygen, etc.); and
 - (4) The result of the analysis, measurement or observation, including both the relevant numeric value(s) and the relevant unit(s) of measurement.
- b. Data Presentation.** In reporting monitoring data, the data shall be arranged in tabular form so that the data are clearly discernible. The data shall be summarized in a manner to illustrate clearly whether the discharge is in compliance with waste discharge requirements and this SMP. Reporting shall include maximum, minimum and monthly average values for each parameter for which more than one sample result is obtained during the monitoring period.
- c. Sample Analysis Data.** For all sample analyses, include the following:
- (1) Date of analysis;

- (2) Individual or contract laboratory conducting the analysis;
- (3) Analytical procedure or method used, and test method detection level; and
- (4) Copies of laboratory analysis result reports for all analyses conducted by a contract laboratory.

d. Reporting Results Below Detection Limits. For all analytical characterizations (laboratory tests) for which results are identified as below limits of detection of the relevant test procedure, data reporting shall include the limit of detection. In other words, reporting a sample test result as only “ND”, or “not detected” or similar language, is not acceptable; the actual numeric value of the detection limit must also be reported. For purposes of data tabulation, notation of non-detection - “ND” or similar notation - is acceptable, **provided that** the corresponding limit of detection is clearly identified elsewhere in the table, or as a footnote of the table.

e. Additional Monitoring Results. If any parameter is monitored more frequently than is required by this SMP, then the results of such monitoring shall be included in the monitoring reports, and in any calculations of statistical values.

4. Identification of Monitoring Stations.

Each report shall include a scaled and legible plan view drawing of the facility site which shows the locations of all monitoring stations at which monitoring is required by this SMP.

5. Monitoring During Wastewater System Modifications.

Whenever any modifications to the wastewater system occur, i.e., any changes to existing equipment or land forms, or any installations of new equipment, the monitoring report shall include a complete description of work that has occurred during the monitoring period, any impacts to the wastewater system or its operations and, if work was not completed, the anticipated completion schedule.

6. Annual Monitoring Reports

The annual monitoring report shall include the following:

- a.** Tabular and graphical summaries of the monitoring data obtained during the period being reported.
- b.** A discussion of wastewater system performance and record of compliance with the requirements specified by this Order, including monitoring and reporting requirements.
- c.** A complete discussion of groundwater monitoring results, including evaluation of groundwater movement, changes in groundwater levels and quality, and evaluation of any observed changes with respect to the wastewater discharges.
- d.** For any event of non-compliance with requirements specified by this Order, including monitoring and reporting requirements, the report shall include description of corrective actions taken or planned to achieve full compliance, and a time schedule of when those actions were or will be taken.

B. REPORTS OF VIOLATIONS

If the Discharger violates or threatens to violate waste discharge requirements or this SMP due to any reason, including acts of humans or acts of nature, then the Discharger or Discharger’s agent(s) shall notify the Board office by telephone as soon as the Discharger or Discharger’s agent(s) have knowledge of the incident. Written notification shall be submitted within two weeks of the date of the incident, unless directed otherwise by Board staff. 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. BOARD ADDRESS and PHONE NUMBER

This Board’s current office mailing address and phone number is given below. This is the address to be used for submittal of reports and correspondence to the Board.

- 1. Address:** California Regional Water Quality Control Board, San Francisco Bay Region

1515 Clay Street, Suite 1400
Oakland, CA 94612

2. **Phone number:** (510) 622 - 2300; Fax: (510) 622 - 2460.

VII. REPORTS to be SUBMITTED to OTHER ENTITIES

A. MONITORING REPORTS.

For each monitoring report required to be submitted to the Board, a complete copy of the report shall be submitted, at the same time that the report is submitted to the Board, to the Napa County Environmental Management Department, at its current address; As of Order adoption, its current mailing address is:

Napa County Environmental Management Department
1195 Third Street, Room 101, Napa, CA 94559

B. REPORTS OF VIOLATIONS

For any violation of waste discharge requirements that involves potential immediate threat to public health or impacts to adjacent properties, including discharges of inadequately treated wastewater, or overflows or spills from the wastewater system, the Discharger shall notify the property owners of the adjacent residential properties by telephone as soon as the Discharger or Discharger's agent have knowledge of the incident.

VIII. MONITORING PROGRAM CERTIFICATION

I, Bruce H. Wolfe, Executive Officer, hereby certify that this Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in the Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements for the subject wastewater systems.
2. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the Discharger, and revisions will be ordered by the Executive Officer.
3. Is effective on the following date: _____.

BRUCE H. WOLFE
Executive Officer

[File No. 2139.3102]
[WDID No. 2 283102001]
[Prepared by BDA]
[Reviewed by WBH, WKB]

TABLE 1 - SCHEDULE for MONITORING

Monitoring Station:	A-1	M-1	M-2	E-1	All TS	M-3	SS	ST, GT & WW	D	All GW	All SW
	MG wastewater	MBR Influent	MBR Effluent	Discharges	Temp. Storage Tanks	MBR Sludge	Sludge Storage Tank	Treatment Tanks	Dispersal Area	Ground Water	Storm-water
Type of Sample:	F	F, G	F, G	F, G	F	F	F	F	O	G, L	F, G
Parameter (units) [Notes]											[8]
Flow Volume (gallons) [1]	Cont: M & A	Cont: D&M	Cont: D&M	Cont: D&M	Event	Cont: D&M	Event	Event			2X, EE
BOD ₅ 20°C (mg/L)		Q	2/M								2X, EE
TSS (mg/L)		Q	2/M								2X, EE
Oil & Grease (mg/L)											
Turbidity (NTU)											2X, EE
Temperature (degrees F or C)			2/M								
pH (pH units)			2/M							M	2X, EE
Dissolved Oxygen (mg/L)			2/M								2X, EE
Nitrogens (mg/L as N) [2]		Q	2/M							M	2X, EE
Conductivity (micromhos/cm)			2/M							M	2X, EE
Total and Fecal Coliform MPN/100 ml											EE
Ground Water Level (feet) [3]										M	
Precipitation (inches) [4]									D&M		2X, EE
Transfer Event Data (Date, Time etc.) [5]					EE						
Service Event Data (Date, Time, etc.) [6]					EE		EE	EE			
Standard Observations [7]									W		