

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

MONITORING AND REPORTING PROGRAM CI NO. 9784
FOR
SAN MIGUEL PRODUCE, INCORPORATED
(SAN MIGUEL PRODUCE WASTEWATER TREATMENT PLANT)

ORDER NO. R4-2012- XXXX
(File No. 04-168)

I. REPORTING REQUIREMENTS

- A. The San Miguel Produce, Incorporated (hereinafter, Discharger) shall implement this monitoring program on the effective date of this Order (WDR Order No. R4-2012-XXXX). The first monitoring report for May to June 2012 under this Program is due by July 15, 2012.

Monitoring reports shall be received by the Regional Board by the dates in 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. By January 30th of each year, beginning January 30, 2013, 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.
- C. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification shall be provided each time a new and/or renewal is obtained from ELAP.
- D. The monitoring report shall specify the United States Environmental Protection Agency (USEPA) analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML) for each pollutant. For the purpose of reporting

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compliance with numerical limitations, and receiving water limitations, analytical data shall be reported by one of the following methods, as appropriate:

1. An actual numerical value for sample results greater than or equal to the ML;
2. "Detected, but Not Quantified (DNQ)" for sample results greater than or equal to the laboratory's MDL but less than the ML; or,
3. "Not Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, February 24, 2005.

- E. The MLs employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Regional Board Executive Officer (Executive Officer). The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control (QA/QC) procedures upon request by the Regional Board.
- F. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. 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 Public Health, and in accordance with current 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. 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.

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- I. The Discharger shall maintain all 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.
- J. 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.

II. WATER QUALITY MONITORING REQUIREMENTS

A. Influent Monitoring

1. The Discharger shall measure the monthly average and maximum daily waste flow from the facility.

B. Effluent Monitoring

An effluent sampling station(s) shall be established for the San Miguel Produce Wastewater Treatment Plant (San Miguel Produce WWTP) at a location(s) where representative samples of treated wastewater can be obtained prior to discharge by spray disposal. Treated wastewater samples may be obtained at a single station, provided that station is representative of the quality at all discharge points. Each sampling station for the San Miguel Produce WWTP shall be identified and approved by the Executive Officer prior to its use.

The following shall constitute the effluent monitoring program for the San Miguel Produce WWTP:

Constituent	Units ²	Type of Sample	Minimum Frequency ³ of Analysis
Total Flow ¹	gallon/day	recorder	continuous
pH	pH units	grab	monthly
Total suspended solids	mg/L	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Oil & grease	mg/L	grab	monthly

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Constituent	Units ²	Type of Sample	Minimum Frequency ³ of Analysis
Nitrite as Nitrogen	mg/L	grab	monthly
Nitrate as Nitrogen	mg/L	grab	monthly
Ammonia as Nitrogen	mg/L	grab	monthly
Organic Nitrogen	mg/L	grab	monthly
Total phosphorus as P	mg/L	grab	monthly
Total Kjeldahl Nitrogen	mg/L	grab	monthly
MBAS (Surfactants)	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
Total residual chlorine	mg/L	grab	monthly
Total coliform	MPN/100mL	grab	monthly
Fecal coliform	MPN/100mL	grab	monthly
Enterococcus	MPN/100mL	grab	monthly
Total dissolved solids	mg/L	grab	monthly
Sulfate	mg/L	grab	monthly
Chloride	mg/L	grab	monthly
Boron	mg/L	grab	monthly
Malathion	mg/L	grab	quarterly
Priority pollutants ⁴	µg/L	grab	annually

¹For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.

²mg/L: milligrams per liter; µg/L: micrograms per liter; MPN/100mL: MPN/100mL = most probable number (MPN) per 100 milliliters

³If the monitoring test results exceed the effluent limitations, the monitoring frequency of those constituents shall be restored to monthly, at least four consecutive months, to demonstrate compliance with limitations.

⁴See Appendix A to 40 CFR, Part 423--Priority Pollutants

III. LAND APPLICATION AREA MONITORING

Application of wastewater to the land application areas shall be monitored to prevent overloading the area with wastewater constituents, which can cause objectionable odors and/or groundwater degradation. For each application site, the following parameters shall be calculated and reported in the monthly monitoring reports.

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Constituent	Units	Type of Sample	Minimum Frequency ¹ of Analysis
Application Area	acres	Measured	monthly
Rainfall	inches	Measurement	monthly
BOD ₅ 20°C Loading Rate	lbs/acre•day	Calculated ²	monthly
Total Nitrogen Loading Rate	lbs/acre•month	Calculated ³	monthly
Runoff	Visual inspection	Observation	monthly
Wastewater Loading Rate ⁴	inches/acres•month	Calculated	monthly
Supplemental Irrigation ⁴	inches/acres•month	Calculated	monthly
Mix Ratio ⁵		Calculated	monthly

¹If the monitoring test results exceed the effluent limitations, the monitoring frequency of those constituents shall be restored to monthly, at least four consecutive months, to demonstrate compliance with limitations.

²BOD₅20°C loading shall be calculated using the daily applied volume of wastewater, estimated daily application area, and the most recent results of effluent BOD₅20°C.

³Total nitrogen loading rates shall be calculated using the daily applied volume of wastewater, estimated daily application area, and the most recent results of total nitrogen (sum of Nitrate as Nitrogen and Total Kjeldahl Nitrogen).

⁴Wastewater Loading Rate and Supplemental Irrigation shall also be reported in gallons.

⁵Mix ratio is the ratio of Supplemental Irrigation divided by Wastewater Loading Rate.

In addition, the Discharger shall maintain a log of discharges to the land application area. Observations shall be noted and shall record which check is receiving wastewater, observations of ponding water, soil clogging, odors, insects, or other potential nuisance conditions. The notations shall also document any corrective actions taken. A copy of the notations recorded each month shall be submitted along with monthly monitoring reports.

IV. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be designed to detect and evaluate impacts from recycled washwater dischargers from the vegetable processing facility. A groundwater monitoring workplan must be submitted to this Regional Board within 60 days (by July 3, 2012) from the date of this Order and is subject to the Executive Officer's approval prior to implementation. The groundwater monitoring wells must be installed in such a way so as to fully assess the background groundwater quality and the downgradient groundwater quality. The plan shall include the exact location of the proposed wells, depths, construction of wells, schedule for the installation and proposed sampling of the wells.

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Upon obtaining Executive Officer's approval of an adequate groundwater monitoring workplan, construction and development of the proposed wells shall be completed within 60 days in accordance with the standards in Bulletins 74-81 and 74-90 of California Department of Water Resources. Within 30 days after installation of monitoring wells, a well installation report including a scaled plot plan, soil boring logs, water quality data, well permits and as-built well construction diagrams shall be submitted to this Regional Board.

This groundwater monitoring report shall be submitted following the schedule specified in I.A with the 1st monitoring report due on October 15, 2012.

The following shall constitute the groundwater monitoring program for San Miguel Produce WWTP:

Constituent	Units ¹	Type of Sample	Minimum Frequency ² of Analysis
pH	pH units	grab	Quarterly
BOD ₅ 20°C	mg/L	grab	Quarterly
Nitrite as Nitrogen	mg/L	grab	Quarterly
Nitrate as Nitrogen	mg/L	grab	Quarterly
Ammonia as Nitrogen	mg/L	grab	Quarterly
Organic Nitrogen	mg/L	grab	Quarterly
Total phosphorus as P	mg/L	grab	Quarterly
MBAS (surfactants)	mg/L	grab	Quarterly
Total Nitrogen	mg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/L	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Total coliform	MPN/100mL	grab	Quarterly
Fecal coliform	MPN/100mL	grab	Quarterly
Enterococcus	MPN/100mL	grab	Quarterly
Priority Pollutants ³	µg/L	grab	annually

¹mg/L=milligrams per liter; µg/L=micrograms per liter; MPN/100mL = most probable number (MPN) per 100 milliliters.

²If the monitoring test results exceed the effluent limitations, the monitoring frequency of those constituents shall be restored to monthly, at least four consecutive months, to demonstrate compliance with limitations.

³See Appendix A to 40 CFR, Part 423—Priority Pollutants

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All groundwater monitoring reports must include, at minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification; and laboratory identification; and
- c. Quarterly observation of groundwater levels, recorded to .01 feet mean sea level, flow direction.
- d. Vertical separation of the water table from the bottom of the seepage pits.

V. WASTE HAULING REPORTING

In the event that waste oil and grease, 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.

VI. OPERATION AND MAINTENANCE REPORT

The Discharger shall file a technical report with the Executive Officer, not later than 30 days after receipt of these Waste Discharge Requirements (WDRs) relative to the operation and maintenance program for the San Miguel Produce WWTP. The information to be contained in the report shall include, at a minimum, 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; and
- d. Periodic pumping out of the digester/sludge tank.

This operation and maintenance report shall be filed with the annual summary report.

VII. ELECTRONIC SUBMITTAL OF INFORMATION

Dischargers are directed to submit all reports required under the waste Discharger requirements (WDRs) adopted by the Regional Board including groundwater monitoring analytical data and discharge location data, to the State Water Resources Control Board GeoTracker database under Global ID WDR100002214.

VIII. CERTIFICATION STATEMENT

Each report shall contain the following declaration:

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"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)"

IX. 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:

Samuel Unger, P.E.
Executive Officer

Date: May 3, 2012

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Appendix A to 40 CFR, Part 423--126 Priority Pollutants

001 Acenaphthene	047 Bromoform (tribromomethane)	090 Dieldrin
002 Acrolein	048 Dichlorobromomethane	091 Chlordane (technical mixture and metabolites)
003 Acrylonitrile	051 Chlorodibromomethane	092 4,4-DDT
004 Benzene	052 Hexachlorobutadiene	093 4,4-DDE (p,p-DDX)
005 Benzidine	053 Hexachloromyclopentadiene	094 4,4-DDD (p,p-TDE)
006 Carbon tetrachloride (tetrachloromethane)	054 Isophorone	095 Alpha-endosulfan
007 Chlorobenzene	055 Naphthalene	096 Beta-endosulfan
008 1,2,4-trichlorobenzene	056 Nitrobenzene	097 Endosulfan sulfate
009 Hexachlorobenzene	057 2-nitrophenol	098 Endrin
010 1,2-dichloroethane	058 4-nitrophenol	099 Endrin aldehyde
011 1,1,1-trichloroethane	059 2,4-dinitrophenol	100 Heptachlor
012 Hexachloroethane	060 4,6-dinitro-o-cresol	101 Heptachlor epoxide (BHC-hexachlorocyclohexane)
013 1,1-dichloroethane	061 N-nitrosodimethylamine	102 Alpha-BHC
014 1,1,2-trichloroethane	062 N-nitrosodiphenylamine	103 Beta-BHC
015 1,1,2,2-tetrachloroethane	063 N-nitrosodi-n-propylamine	104 Gamma-BHC (lindane)
016 Chloroethane	064 Pentachlorophenol	105 Delta-BHC (PCB-polychlorinated biphenyls)
018 Bis(2-chloroethyl) ether	065 Phenol	106 PCB-1242 (Arochlor 1242)
019 2-chloroethyl vinyl ether (mixed)	066 Bis(2-ethylhexyl) phthalate	107 PCB-1254 (Arochlor 1254)
020 2-chloronaphthalene	067 Butyl benzyl phthalate	108 PCB-1221 (Arochlor 1221)
021 2,4, 6-trichlorophenol	068 Di-N-Butyl Phthalate	109 PCB-1232 (Arochlor 1232)
022 Parachlorometa cresol	069 Di-n-octyl phthalate	110 PCB-1248 (Arochlor 1248)
023 Chloroform (trichloromethane)	070 Diethyl Phthalate	111 PCB-1260 (Arochlor 1260)
024 2-chlorophenol	071 Dimethyl phthalate	112 PCB-1016 (Arochlor 1016)
025 1,2-dichlorobenzene	072 1,2-benzanthracene (benzo(a) anthracene)	113 Toxaphene
026 1,3-dichlorobenzene	073 Benzo(a)pyrene (3,4-benzo-pyrene)	114 Antimony
027 1,4-dichlorobenzene	074 3,4-Benzofluoranthene (benzo(b) fluoranthene)	115 Arsenic
028 3,3-dichlorobenzidine	075 11,12-benzofluoranthene (benzo(b) fluoranthene)	116 Asbestos
029 1,1-dichloroethylene	076 Chrysene	117 Beryllium
030 1,2-trans-dichloroethylene	077 Acenaphthylene	118 Cadmium
031 2,4-dichlorophenol	078 Anthracene	119 Chromium
032 1,2-dichloropropane	079 1,12-benzoperylene (benzo(ghi) perylene)	120 Copper
033 1,2-dichloropropylene (1,3-dichloropropene)	080 Fluorene	121 Cyanide, Total
034 2,4-dimethylphenol	081 Phenanthrene	122 Lead
035 2,4-dinitrotoluene	082 1,2,5,6-dibenzanthracene (dibenzo(h) anthracene)	123 Mercury
036 2,6-dinitrotoluene	083 Indeno (1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)	124 Nickel
037 1,2-diphenylhydrazine	084 Pyrene	125 Selenium
038 Ethylbenzene	085 Tetrachloroethylene	126 Silver
039 Fluoranthene	086 Toluene	127 Thallium
040 4-chlorophenyl phenyl ether	087 Trichloroethylene	128 Zinc
041 4-bromophenyl phenyl ether	088 Vinyl chloride (chloroethylene)	129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)
042 Bis(2-chloroisopropyl) ether	089 Aldrin	
043 Bis(2-chloroethoxy) methane		
044 Methylene chloride (dichloromethane)		
045 Methyl chloride (dichloromethane)		
046 Methyl bromide (bromomethane)		