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Water Boards

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SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

April 18, 2012

Mr. Reddy R. Pakala, Director
Water and Sanitation Department
County of Ventura Public Works Agency
800 South Victoria Avenue
Ventura, CA 93009

WASTE DISCHARGE REQUIREMENTS AND MONITORING AND REPORTING PROGRAM FOR COUNTY OF VENTURA PUBLIC WORKS AGENCY, TODD ROAD JAIL WASTEWATER TREATMENT PLANT, 600 SOUTH TODD ROAD, VENTURA COUNTY, CALIFORNIA (ORDER NO. R4-2011-0193, FILE NO. 91-076, CI NO. 7418, GLOBAL ID WDR100001460)

Dear Mr. Pakala:

On December 8, 2011, this Regional Board adopted Waste Discharger Requirements (WDR) Order No. R4-2011-0193 and Revised Monitoring and Reporting Program CI No. 7418 for the subject facility. The Monitoring and Reporting Program specifies annual groundwater analyses of priority pollutants for monitoring wells MDMW-1, MW-8, MW-11, and MW-17 to determine any impacts from the discharge of wastes.

In your correspondence dated January 11, 2012, you requested that the annual groundwater monitoring of priority pollutants for the upgradient monitoring well (MW-8) and the cross-gradient monitoring wells (MW-11 and MW-17) be waived since groundwater monitoring analyses of priority pollutants for the past 14 years indicate that there is no exceedances on the priority pollutants detected on the locations of monitoring wells MW-8, MW-11, and MW-17.

Based on staff review of the monitoring reports submitted from 3rd Quarter 2006 to 3rd Quarter 2010; staff agrees that the annual groundwater monitoring for the upgradient monitoring well (MW-8) and the cross-gradient monitoring wells (MW-11 and MW-17) is no longer needed. Therefore, groundwater monitoring for priority pollutants shall be performed annually on the downgradient monitoring well MDMW-1, and every five (5) years on upgradient monitoring well MW-8, and cross-gradient monitoring wells MW-11 and MW-17. Attach please find the revised Monitoring and Reporting Program (MRP) No. 7418.

If you have any questions please call the Project Manager, Ms. Mercedes Merino, at (213) 620-6156 or the Unit Chief of Groundwater Permitting, Dr. Eric Wu, at (213) 576-6683 regarding this matter.

Sincerely,

Samuel Unger

Samuel Unger, P. E.
Executive Officer

cc (via email): Mr. Clifford G. Finley, Deputy Director, Water & Sanitation Department, County of Ventura Public Works Agency
Mr. Augustine V. Godinez, Water & Wastewater Service Supervisor, Water & Sanitation Department, County of Ventura Public Works Agency
Mr. Peter Bozek, Environmental Health Division, County of Ventura
Ms. Melinda Talent, Environmental Health Division, County of Ventura

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

MONITORING AND REPORTING PROGRAM CI NO. 7418
FOR
COUNTY OF VENTURA PUBLIC WORKS AGENCY
(TODD ROAD JAIL WASTEWATER TREATMENT PLANT)

ORDER NO. R4-2011-0193
(File No. 91-076)

I. REPORTING REQUIREMENTS

A. The County of Ventura, Public Works Agency (hereinafter, Discharger) shall implement this revised monitoring and reporting program starting April 18, 2012. The first monitoring report for April 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:

Reporting Period	Report Due
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

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 Services, 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.

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. Influent monitoring is required to assess treatment plant performance and wastewater quality of discharge from the Todd Road County Jail.

2. Sampling stations shall be established at each point of inflow to the wastewater treatment plant and shall be located upstream of any in-plant return flows and/or where representative samples of the influent can be obtained. The date and time of sampling shall be reported with the analytical results.

3. Samples for influent BOD_5 20°C and suspended solids analysis shall be obtained on the same day that the effluent BOD_5 20°C and suspended solids samples are obtained in order to demonstrate percent removal. Similarly, sampling for other constituents shall also be coordinated with effluent sampling.

4. The following shall constitute the influent monitoring program for the Todd Road Jail WWTP:

Constituent	Units[1]	Type of Sample	Minimum Frequency[2] of Analysis
Total flow	gpd	recorder	continuous
BOD_5 20°C	mg/L	grab	monthly
Total suspended solids	mg/L	grab	monthly

[1]For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.
[2]mg/L=milligrams per liter; MPN/100mL=most probable number per 100 m/L

B. Effluent Monitoring

An effluent sampling station(s) shall be established for the Todd Road Jail Wastewater Treatment Plant (Todd Road Jail WWTP) at a location(s) where representative samples of treated wastewater can be obtained prior to discharge to the evaporation/percolation ponds. The effluent sampling station for the existing Todd Road Jail WWTP shall remain the same as has been previously used. Any proposed change of the sampling location for the Todd Road Jail WWTP shall be identified and approved by the Executive Officer prior to its use.

The following shall constitute the effluent monitoring program for the Todd Road Jail 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
Total dissolved solids	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Boron	mg/L	grab	quarterly
Nitrite-N	mg/L	grab	quarterly
Nitrate-N	mg/L	grab	quarterly
Ammonia-N	mg/L	grab	quarterly
Total organic carbon	mg/L	grab	quarterly
Total nitrogen	mg/L	grab	quarterly
Radioactivity	pCi/L	grab	annually
Priority pollutants[4]	µg/L	grab	annually

[1]For those constituents that are continuously monitored the Discharger shall report the minimum, maximum, and daily average values.
[2]mg/L=milligrams per liter; MPN/100mL=most probable number per 100 m/L; µg/L=micrograms per liter; pCi/L=picocuries per liter
[3]If 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.
[4]See Appendix A to 40 CFR, Part 423 for list of priority pollutants.

The quarterly reports shall contain the following information:

1. Average and maximum daily waste flow for each month of the quarter, in gallons per day.

2. Estimated population served during each month of the reporting period.

III. GROUNDWATER MONITORING PROGRAM

The groundwater monitoring program for the Todd Road Jail WWTP disposal system consists of a network of four monitoring wells (MDMW-1, MW-8, MW-11, and MW-17) installed around the Todd Road Jail WWTP and evaporation/percolation field. Groundwater sample analysis shall be performed in the months of July and January of each year.

The following shall constitute the groundwater monitoring program Todd Road Jail WWTP:

Constituent	Units[1]	Type of Sample	Minimum Frequency[2] of Analysis
Total dissolved solids	mg/L	grab	Semi-annually
Chloride	mg/L	grab	Semi-annually
Sulfate	mg/L	grab	Semi-annually
Boron	mg/L	grab	Semi-annually
Nitrite-N	mg/L	grab	Semi-annually
Nitrate-N	mg/L	grab	Semi-annually
Ammonia-N	mg/L	grab	Semi-annually
Total nitrogen	mg/L	grab	Semi-annually
Total coliform	MPN/100mL	grab	Semi-annually
Fecal coliform	MPN/100mL	grab	Semi-annually
Enterococcus	MPN/100mL	grab	Semi-annually
Priority pollutants[3]	µg/L	grab	annually

[1]mg/L=milligrams per liter; MPN/100mL =most probable number per 100 m/L; µg/L=micrograms per liter
[2]If 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.
[3]Groundwater monitoring for Priority pollutants shall be performed annually on downgradient monitoring well MDMW-1, and every five (5) years on upgradient monitoring well MW8, and cross-gradient monitoring wells MW-11 and MW-17. See Appendix A to 40 CFR, Part 423 for list of priority pollutants.

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.

IV. SURFACE WATER MONITORING PROGRAM

The Executive Officer may determine that a surface water monitoring program for the Santa Clara River is needed to fully evaluate the impact from your wastewater discharge on groundwater. If this determination is made, the Discharger must submit a surface water monitoring plan to this Regional Board within 60 days of the notification.

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 Todd Road Jail 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 WDR100001460.

VIII. 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)"

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
Samuel Unger, P.E.
Executive Officer

Date: April 18, 2012

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

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