

STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES

Certificate of Issuance

OF A

WATER SUPPLY PERMIT

TO

MONTEREY REGIONAL WATER POLLUTION CONTROL AGENCY (MRWPCA) WATER SYSTEM

This is to certify that a water supply permit (Permit # 1113074) as been issued to the MRWPCA Water System on **November 13, 2007**, to supply water for domestic purposes to the MRWPCA Water System. The permit was issued by The Monterey County Health Department, Division of Environmental Health, pursuant to the provisions of Division 104, Part 12, Chapter 4, Article 7, of the California Health and Safety Code. The permit is subject to the requirements of Title 22, California Code of Regulations, and to the conditions provided in the water supply permit.

A copy of the water supply permit is on file with the MRWPCA Water System or may be obtained by contacting The Monterey County Health Department, Division of Environmental Health at (831) 755-4507.



Sandy Ayala, R.E.H.S.
Monterey County Health Department
Division of Environmental Health

STATE OF CALIFORNIA

DOMESTIC WATER SUPPLY PERMIT

Issued To

Monterey Regional Water Pollution Control Agency (MRWPCA)

270-0856

By

Sandy Ayala

(Monterey County Health Department, Division of Environmental Health)



PERMIT NUMBER 1113074

DATE: November 13, 2007

WHEREAS:

1. On behalf of the Monterey Regional Water Pollution Control Agency (MRWPCA), Mark Malanka submitted an application dated October 10, 2007, to Monterey County Health Department, Division of Environmental Health to continue to operate a public water system and add treatment. The application was submitted in accordance with California Health and Safety Code, Section 116525.
2. This public water system is known as the Monterey Regional Water Pollution Control Agency Water System (MRWPCA) whose headquarters is located at 5 Harris Ct. Bldg. D, Monterey, CA 93940.
3. The legal owner of the MRWPCA Water System is MRWPCA. MRWPCA, therefore, is responsible for compliance with all statutory and regulatory drinking water requirements and the conditions set forth in this permit.
4. The public water system for which the permit application has been submitted is as described briefly below (a more detailed description of the permitted system is described in Section II of the attached Permit Report):

The MRWPCA Water System consists of one active well, which pumps through a Reverse Osmosis and Ultraviolet treatment facility to reduce TDS to standards before delivery.

5. The service area of the MRWPCA Water System shall be shown on the service area map in Appendix 5 of the Permit Report. The water system is permit for 1 connection with 9 ancillary buildings.

And WHEREAS:

1. MRWPCA has submitted all of the required information relating to the continued operation of the MRWPCA Water System.
2. The Monterey County Health Department, Division of Environmental Health has evaluated all of the information submitted by MRWPCA and has conducted a physical investigation of the existing MRWPCA Water System and the addition of the new treatment facility.
3. The Monterey County Health Department, Division of Environmental Health has delegated authority to issue domestic water supply permits pursuant to Health and Safety Code Section 116540.

THEREFORE:

The Monterey County Health Department, Division of Environmental Health has determined the following:

1. The MRWPCA Water System meets the criteria for and is hereby classified as a non-transient, non-community water system.
2. The applicant has demonstrated that the MRWPCA Water System has sufficient source capacity to serve the anticipated water demand for at least ten years.
3. The design of the water system complies with the Water Works Standards and all applicable regulations.
4. The applicant has demonstrated adequate technical, managerial, and financial capacity to operate reliably the proposed water system.
5. Provided the following conditions are complied with, the MRWPCA Water System should be capable of providing water to consumers that is pure, wholesome, and potable and in compliance with statutory and regulatory drinking water requirements at all times.

MRWPCA IS HEREBY ISSUED THIS DOMESTIC WATER SUPPLY PERMIT TO OPERATE THE MRWPCA WATER SYSTEM.

The MRWPCA Water System shall comply with the following permit conditions:

1. The Company shall comply with all the requirements set forth in the California Safe Drinking Water Act, California Health and Safety Code and any regulations, standards or orders adopted thereunder.
2. The only sources approved for potable water supply are as follows:

Source	PS Code	Status	Capacity	Comments
New Well	2702456-002	Active	250 gpm	

3. The approved treatment include the following processes:

Facility	P.S. Code	Treatment	Location/Remark
Treatment Plant	2702456-005	Reverse Osmosis	Ultraviolet disinfection

4. No changes, additions, or modifications shall be made to the sources or treatment mentioned in Conditions Nos. 2 and 3 unless an amended water permit has first been obtained from the Department.
5. No changes, additions, or modifications shall be made to the distribution system unless an amended water permit has first been obtained from the Department. All proposed changes shall comply with the California Water Works Standards. Improvements to the water systems facilities including treatment, change in operation, maintenance or construction shall be provided when needed or required by the Department.
6. All water produced by the RO treatment plant shall meet all Maximum Contaminant Levels and Action Levels established by the State of California Department of Public Health.
7. The RO and UV treatment plant shall be maintained according to the manufacturer's specifications.
8. Collect Total Dissolved Solids monthly before and after treatment to ensure compliance with standards. Submit TDS results from a certified lab to this Department by the 10th day of the following month.
9. Monitor the bacteriological quality of the source monthly. This testing is done to ensure that the water source is free of coliform bacteria before treatment.
10. The two abandoned wells must be properly destroyed by a C-57 contractor.
11. Daily operational records including, at a minimum, flow rates, total volume treated, analytical results, operational changes and unusual occurrences shall be maintained.

A monthly report containing the aforementioned records shall be submitted by the 10th day of the following month to this Department.

12. All water supplied by the Company for domestic purposes shall meet all Maximum Contaminant Levels (MCLs) established by the State Department of Health Services. If the water quality does not comply with the California Drinking Water Standards, treatment shall be provided to meet standards.
13. The Company shall retain the services of a Grade 1 or higher distribution operator to oversee operation and maintenance of the water system in accordance with Title 22, Section 63770, California Code of Regulations.
14. All personnel who operate the treatment facilities shall be certified in accordance with Title 22, Section 63765, California Code of Regulations. The treatment facility shall be operated by Grade 2 treatment operators or higher.
15. The Company shall comply with Title 17 of the California Code of Regulations (CCR), to prevent the water system and treatment facilities from being contaminated from possible cross-connections. The MRWPCA Water System shall maintain the cross connection control program created in 2001 for the protection of the domestic water system against backflow from premises having dual or unsafe water systems in accordance with Title 17. All backflow prevention devices shall be tested annually and the results submitted to this Department.
16. In accordance with the Uniform Plumbing Code (J 8 (A)(B) &(C)) an annual cross-connection inspection and test shall be performed on both the potable and reclaimed water systems.
17. There shall be no direct interconnection between the potable drinking water system and the reclaimed water system
18. Reclaimed water shall not be used for any purpose inside a building except for flushing toilets and urinals and for sewer trap priming.
19. No piping system used for conveying reclaimed wastewater shall be converted to potable water without prior written approval of the Monterey County Health Department.
20. If the potable water supply is proposed to be used as a backup source of water for the reclaimed water flushing system, it shall be done only through an approved air gap separation between the systems and with the prior approval of the Monterey County Health Department.
21. Signs shall be posted notifying the public that the water used to flush toilets and urinals is reclaimed water. At least one conspicuous sign shall be posted in a prominent location in each restroom where reclaimed water is used.
22. The water piping system in any building with both potable and reclaimed water systems shall, to the greatest extent feasible, be maintained such that the water pressure in the potable piping system is greater than the water pressure in the

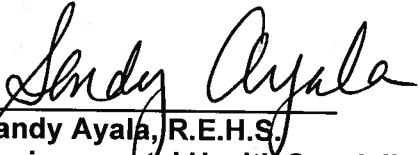
reclaimed piping system at any location on the same floor where the two piping systems are in close proximity.

23. Any finding of a cross-connection or a backflow incident involving the potable drinking water system shall be reported immediately to the Monterey County Health Department.
24. The Company shall notify the Department if there are any changes in contact information.

This permit supersedes all previous domestic water supply permits issued for this public water system and shall remain in effect unless and until it is amended, revised, reissued, or declared to be null and void by the Monterey County Health Department, Division of Environmental Health. This permit is non-transferable. Should the Monterey Regional Water Pollution Control Agency (MRWPCA) Water System undergo a change of ownership, the new owner must apply for and receive a new domestic water supply permit.

Any change in the source of water for the water system, any modification of the method of treatment as described in the Permit Report, or any addition or change of distribution system storage reservoirs shall not be made unless an application for such change is submitted to the Monterey County Health Department, Division of Environmental Health.

This permit shall be effective as of the date shown below.



Sandy Ayala, R.E.H.S.
Environmental Health Specialist
Monterey County Health Department, Division of Environmental Health

Dated: November 13, 2007

Small Water System Technical Report Form
 Monterey County Health Dept., Division of Environmental Health

Water System: MRWPCA Water System	Water System No. 270-2456
Contact Person: Greg Antosz	Type of System: 1131
Address: 525 Old Natividad Rd. Salinas	Telephone No. (831) 883-6139
Position/Title: Owner	

System Operation: *(Who owns the system, who operates it. How is the system operated and who performs maintenance and repairs)* _____
The Monterey Regional Water Pollution Control Agency (MRWPCA) owns the water system. There are several certified distribution and treatment operators at different levels on staff. The contact person is Greg Antosz. Staff does general maintenance.

Service Area: *(System location, type of service area, number of connections and approx. number of permanent residents, etc.)* _____
The water system is located in Marina California next to the Marina Landfill, a composting facility and agricultural activities. The water system itself is a wastewater treatment facility that serves reclaimed (tertiary treated water) for agricultural uses in addition to the potable distribution system. Purple pipes identify all reclaimed water. The Administration building is served reclaimed water to flush toilets only. The water system serves 65 full time employees per day and a varying number of daily visitors. The water system is considered by this Department to have one connection but there are 9 ancillary buildings within the connection.

System Source(s): *(Name, type, capacity, location and use status of each source)* _____
The water system is served by one groundwater well drilled in 1997 with a depth of 825 feet with an annular seal of 650 feet. The well pumps 250 GPM. There are 2 large capacity abandoned wells that must be destroyed or rehabilitated.

Water Quality Monitoring: *(MCL violations, concerns with increasing contaminant levels)* – **See attached monitoring schedule** _____

Treatment: *(Type and purpose of treatment, include each unit process, its capacity, chemicals used, monitoring equipment used)* _____
There is a Reverse Osmosis (RO) treatment facility with Ultraviolet (UV) disinfection to treat for high Total Dissolved Solids (TDS). The brine is run through the waste water treatment facility.

Storage: *(Number of tanks, capacity of each, material of construction)* The facility has one 10,000 gallon polypropylene storage tank for domestic use .

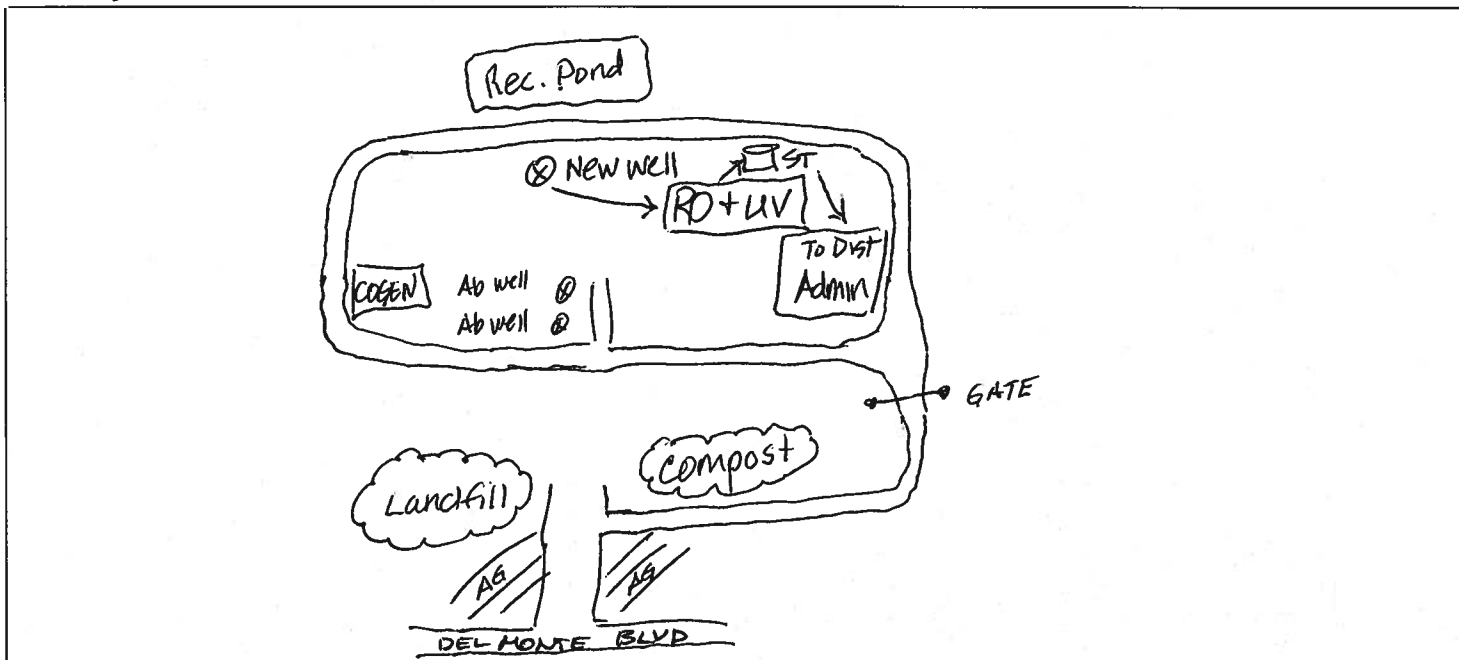
Distribution System: *(Number of pressure zones, size of pipe, pipe material including % if available, pumping stations including number of pumps and capacity, location of backflow protection devices)* _____
Water is pumped through a RO unit and disinfected with UV before it feeds the consumers. All lines are PVC, galvanized steel, or copper. Air gaps shall be maintained where RO dumps into floor drain. The separation shall be at least double the diameter of the supply pipe, measured vertically from the flood rim of the receiving vessel to the supply pipe; however, in no case shall this separation be less than one inch.

Records: (Description of all records kept by the water system. Treatment, operations, complaint, maintenance, cross-connection, etc.) _____

The water system shall keep the following records available in a convenient location for inspection: all water quality and quantity complaints; bacteriological and chemical analyses; waivers or exemptions granted by the Department; water treatment records and maintenance. All records must be kept for at least five years, except chemical analyses and inspection/evaluation reports, which must be retained for at least 10 years. All information regarding the water system, including the aforementioned, will be kept on site at the winery for at least 10 years.

System Deficiencies:(1) (List recommendations to water system) All testable backflow devices need to be tested annually and a report shall be submitted to MCHD,DEH when it becomes available. All air gaps shall be maintained (twice the pipe diameter) where RO dumps into floor drain. There are 2 abandoned wells that must be destroyed or rehabilitated.

Water System Schematic



Directions to the system: (or attach map) Highway 1 to Del Monte Blvd in Marina California exit at the Marina Landfill. The address is 14811 Del Monte Blvd. Follow road to the landfill and turn right at the stop sign before the scales. Drive past the compost facility and the treatment plant is straight ahead.

Report Prepared By: Sandy Ayala REHS II

Sources: Water System file and Inspection