

STATE OF CALIFORNIA

***DOMESTIC WATER SUPPLY PERMIT***

Issued To

**Muir Beach Community**

**System No. 2100508**

By The

**California Department of Public Health,**

**Division of Drinking Water and Environmental Management Branch**



**PERMIT NUMBER 02-18-11P-2100508**

**DATE: May 31, 2011**

***WHEREAS:***

1. The public water system is known as Muir Beach whose headquarters is located at 19 Seacape Drive, Muir Beach, CA.
2. The legal owner of Muir Beach Community is Muir Beach Community. Muir Beach Community, therefore, is responsible for compliance with all statutory and regulatory drinking water requirements and the conditions set forth in this permit.
3. The public water system is as described briefly below (a more detailed description of the permitted system is described in the attached Inspection Report):

The water system consists of two active sources (designated 2002 Well and 2008 Well), a 200,000-gallon concrete storage tank, a 100,000-gallon redwood storage tank, a sodium hypochlorite disinfection system, a sodium silicate corrosion control system, a Purex sand separator filter, and the distribution system. The water system serves approximately 350 residents through 148 connections.

4. The service area of Muir Beach Community is shown on the map on file with the California Department of Public Health. The California Department of Public Health has evaluated all of the historical information submitted for Muir

Beach Community and has conducted a physical investigation of the Muir Beach Community water system.

5. The California Department of Public Health has the authority to issue domestic water supply permits pursuant to Health and Safety Code Section 116540.

**THEREFORE:** The California Department of Public Health has determined the following:

1. Muir Beach Community meets the criteria for and is hereby classified as a community water system.
2. Provided the following conditions are complied with, Muir Beach Community 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.

***MUIR BEACH COMMUNITY IS HEREBY ISSUED THIS DOMESTIC WATER SUPPLY PERMIT TO OPERATE MUIR BEACH COMMUNITY.***

Muir Beach Community shall comply with the following permit conditions:

1. Muir Beach Community 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 and treatment are approved for potable water supply is as follows:

Source	PS Code	Status	Associated Treatment
2002 Well	2100508-003	Active	Sodium hypochlorite disinfection, sodium silicate corrosion control, sodium silicate sequestration
2008 Well	2100508-004	Active	Sodium hypochlorite disinfection, sodium silicate corrosion control, sodium silicate sequestration

No changes, additions, or modifications shall be made to the sources or treatment listed above, or any addition of distribution system storage reservoirs greater than 100,000 gallons unless an amended water permit has first been

obtained from the California Department of Public Health. At no time shall water served bypass the associated treatment.

3. All water supplied by Muir Beach Community for domestic purposes shall meet all Maximum Contaminant Levels (MCLs) established by the California Department of Public Health. If the water quality does not comply with the California Drinking Water Standards, treatment shall be provided to meet standards.
4. All personnel who operate the treatment facilities shall be certified in accordance with Sections 63765 and 63770 of the California Code of Regulations. Muir Beach Community shall be operated by T2 and D1 operators or higher and have 24-hour per day supervision by a T2 and D1 operator or higher. Muir Beach Community shall maintain an emergency telephone number where personnel can be contacted at any time.
5. Muir Beach Community must perform source chemical monitoring and distribution system bacteriological monitoring in accordance with schedules sent by the Department (Chapter 15, Title 22 of the California Code of Regulations).
6. Muir Beach Community shall collect from any active wells a monthly raw water sample for total coliforms and *E. coli* and have the sample analyzed by a certified lab using an analysis method that enumerates. The results of this sampling shall be submitted to the California Department of Public Health.
7. Muir Beach Community must continue to monitor disinfection byproducts in the distribution system in accordance with its approved Disinfectants/Disinfection Byproduct Rule Monitoring Plan (Chapter 15.5, Title 22 of the California Code of Regulations).
8. Muir Beach Community shall be responsible for assuring that all source water monitoring and disinfection byproduct data are submitted electronically to the California Department of Public Health using the provided Source Codes in accordance with Section 64469, Title 22, of the CCR.
9. Muir Beach Community must continue to monitor lead and copper in the distribution system in accordance with Chapter 17.5, Title 22 of the California Code of Regulations and as directed by the Department.
10. Muir Beach Community shall submit to the California Department of Public Health by **July 29, 2011** an operations plan for sequestration that includes the following items:

- a. Sodium silicate entering the distribution system shall be monitored **weekly**.
  - b. Sodium silicate present at an approved distribution system location shall be monitored **quarterly**.
  - c. Chlorine residual entering the distribution system shall be monitored **daily**.
  - d. Chlorine residual present at an approved distribution system location shall be monitored **weekly**.
11. Results of the monitoring must be submitted to the California Department of Public Health by the tenth day of the month following the month of monitoring. Muir Beach Community shall require its laboratory to notify water system personnel within 24 hours, whenever the presence of total coliforms, fecal coliforms or *E. coli* is demonstrated in a sample or a sample is invalidated due to interference problems, and shall ensure that a contact person is available to receive these analytical results 24-hours a day. Muir Beach Community shall also require the laboratory to immediately notify the California Department of Public Health of any positive bacteriological results if the laboratory cannot make direct contact with the designated contact person within 24 hours.
12. Muir Beach Community shall require its laboratory to notify water system personnel within 24 hours whenever the level of nitrate in a single sample exceeds the MCL, and shall ensure that a contact person is available to receive such analytical results 24-hours a day. Muir Beach Community shall also require the laboratory to immediately notify the California Department of Public Health of any acute nitrate MCL exceedance if the laboratory cannot make direct contact with the designated contact person within 24 hours.
13. Muir Beach Community shall notify the California Department of Public Health by telephone or other equally rapid means immediately upon discovery of any condition judged to create a significant potential or existing health hazard to users. Such conditions include, but are not limited to actual or threatened sabotage, vandalism and/or water outages, which result from inadequate source, storage or pump capacity or any other unplanned loss of system pressure.
14. Muir Beach Community shall submit an annual report to the California Department of Public Health no later than April 15 of the year following the year of the annual report. The California Department of Public Health will provide a form for the annual report.
15. Muir Beach Community shall prepare and distribute a consumer confidence report to customers of the water system no later than July 1 of the year following

the year of the consumer confidence report. A copy of the report and a certification form shall be submitted to the California Department of Public Health no later than October 1 of the year following the year of the consumer confidence report.

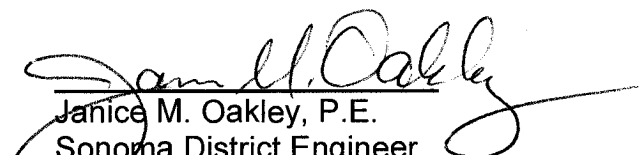
16. Pursuant to Sections 64590 and 64591, Title 22 of the California Code of Regulations, no chemical, material, lubricant, or product shall be used in the production, treatment or distribution of drinking water that will be added to or in contact with the drinking water unless it has been certified as meeting the specifications of American National Standard Institute/NSF International (ANSI/NSF) Standards 60 (direct additive) or 61 (indirect additive). This includes process media, protective materials, joining and sealing products, and mechanical devices used in the production, treatment, or distribution of drinking water and treatment/transmission/distribution systems.

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 California Department of Public Health. This permit is non-transferable. Should Muir Beach Community 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 of distribution system storage reservoirs shall not be made unless an application for such change is submitted to the California Department of Public Health.

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

**FOR THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH**

  
Janice M. Oakley, P.E.  
Sonoma District Engineer  
Drinking Water Field Operations Branch



Dated: May 31, 2011

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