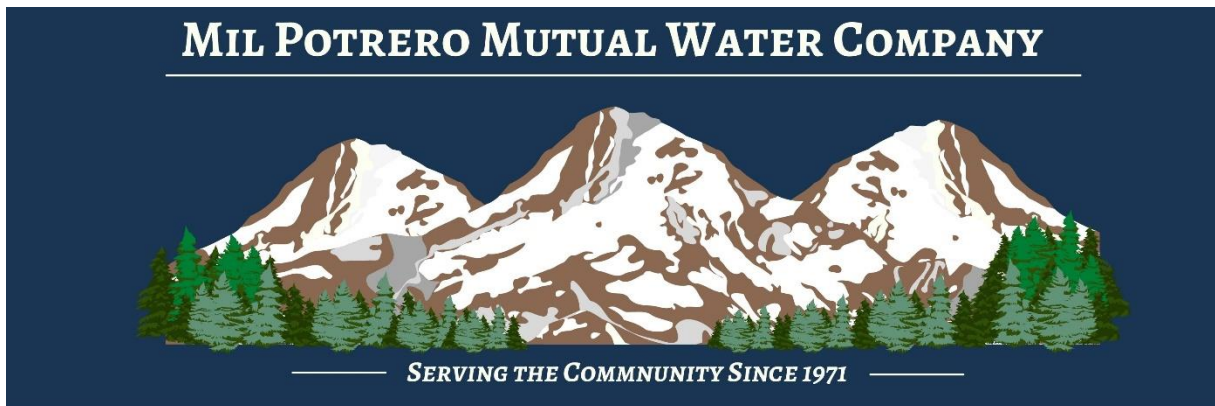


MPMWC

Water Shortage Contingency Plan



**PO Box W
Pine Mountain Club, CA 93222
PWS # 1510028
6/12/2023**

Table of Content

| | |
|---|-----------|
| Section 1: Introduction | 3 |
| Section 2: Contacts | 5 |
| Communication Plan | 7 |
| External Emergency Notification List | 8 |
| Service / Repair Notifications | 9 |
| Section 3: Criteria for Initiation and Termination of Water Shortage Response Stages | 10 |
| Section 4: Triggers and Response Stages for Water Shortage Levels | 11 |
| Section 5: MPMWC’s Water Conservation Supply Conditions | 13 |
| Section 6: Educational Water Conservation Resources | 16 |

Section 1: Introduction

| | |
|---|---|
| System Identification No. | CA 1510028 |
| System Name, Address, County | Mil Potrero Mutual Water Company (MPMWC) PO Box W 16275 Askin Drive, Pine Mountain Club, CA 93222 |
| Directions to the System | MPMWC's Administration Building is located in the town village next to the community church activity center on the corner of Askin Drive and Maplewood Way. |
| Basic Description and Location of System Facilities | <p>Mil Potrero Mutual Water Company is a D3/T2 rated water system that provides drinking water from 9 wells positioned in various locations within the boundaries of PMC. Combinations of these wells fill 9 reservoir tanks, and 4 hydro-pneumatic tanks with water for both domestic use and firefighting purposes. These tanks are filled on demand using 24hr SCADA and telemetry. MPMWC has 16 pressure reducing stations, strategically placed with primary and secondary hydro control valves that allow more flow during events of high usage such as firefighting.</p> <p>The system is currently served by 7 vertical wells with 2 wells on standby. The wells use electric motors ranging from 7.5 to 30 horsepower. All reservoir tanks within the system are either bolted or welded steel, ranging in capacity from 100,000 to 750,000 gallons. Total reservoir storage capacity is 2.85 million gallons. Much of this capacity is designed for fire protection demands and most reservoirs are designed to operate through gravity flow during emergency situations.</p> <p>The system's water treatment facility is located adjacent to the park and community garden. Raw water from wells 2, 3, 5, 7, 8 and 9 pass through the treatment plant for iron and manganese removal. It is then transferred to a 20,000-gallon holding tank and pumped into the main distribution system. Three pumps are located at the plant. Booster stations are located at seven reservoirs. They are designed to transmit water to reservoirs at higher elevations.</p> <p>Four hydro pneumatic pressure systems provide water to isolated areas for domestic use and fire demands. Distribution main lines carry water from reservoirs to all developed sections of the PMC. These lines vary in size from 4 to 12 inches in diameter with a total length of</p> |

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|--|---|
| | <p>176,900 linear feet or 33.5 miles. 235 fire hydrants are located throughout the distribution system to ensure adequate fire protection.</p> <p>System operations plans, manuals and maps are located at MPMWC Administration office. The system currently has 6 certified operators.</p> |
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|--------------|---|
| System Owner | Mil Potrero Mutual Water Company, a California Corporation since 1971 |
|--------------|---|

| | |
|--|--|
| <p>Name, Title, Phone, email and role of the people responsible for maintaining and implementing water shortage plan</p> | <p>MPMWC Board of Directors Phone: 661-242-3230 Email: books@mpmwc.com Mailing: PO Box W PMC, CA 93222 Role: Approve Plan</p> |
| | <p>Rob Carruth, Chief Operator and General Manager Cell phone: 818-321-0753 Email: rcarruth@mpmwc.com Mailing: PO Box W PMC, CA 93222 Role: Plan Implementation</p> |
| | <p>Merry Banfield, HR and Office Supervisor Phone: 661-242-3230 Email: books@mpmwc.com Mailing: PO Box W PMC, CA 93222 Role: Update plan every five years</p> |
| | |

Section 2: Contacts

The General Manager, or designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The General Manager or designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Internal Chain of Command – Lines of Authority

| Name, Title and Contact Information | Responsibilities during an emergency |
|--|---|
| Rob Carruth, Chief Operator and General Manager Cell phone: 818-321-0753 Email: rcarruth@mpmwc.com Mailing: PO Box W PMC, CA 93222 | <ul style="list-style-type: none"> ● Meet and assist emergency personnel as needed. ● Oversee implementation and requirements |
| Rob Carruth, Chief Operator and General Manager Cell phone: 818-321-0753 Email: rcarruth@mpmwc.com Mailing: PO Box W PMC, CA 93222 | <ul style="list-style-type: none"> ● Notify On-call and shift Operators ● Meet and assist emergency personnel as needed ● Oversee implementation and requirements |
| Merry Banfield, HR and Office Supervisor Phone: 661-242-3230 Email: books@mpmwc.com Mailing: PO Box W PMC, CA 93222 | <ul style="list-style-type: none"> ● Assist with office duties and community outreach ● Assist with emergency personnel as needed ● Coordinate with vendors/facilities ● Assist and implementation of campus communications |

Communication Plan

Notify water system staff and community of potential water shortage

| | |
|--------------------|---------------------------------------|
| Who is responsible | General Manager and Office Supervisor |
| Procedures | Communication will go out via letter |

Alert local law enforcement, state, federal, water officials, and local health agencies

| | |
|--------------------|---------------------------------------|
| Who is responsible | General Manager and Office Supervisor |
| Procedures | Communication will go out via phone |

Contact service and repair contractors

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|--------------------|--|
| Who is responsible | General Manager and Office Supervisor |
| Procedures | Rob Carruth will take the point on any necessary repairs and/or for contacting and communicating with service vendors. |

Procedures for issuing a health advisory

| | |
|--------------------|---|
| Who is responsible | General Manager and Office Supervisor |
| Procedures | Communication will go out via phone and or letter |

External Emergency Notification List

| Organization or Department | Name & Position | Telephone | Email |
|--|------------------------|--|--|
| Emergency Services | 911 | 911 | 911 |
| Water Operator | MPMWC On-call Operator | Day: 661-242-3230 Emergency: 805-2059 | oncalloptions@mpmwc.com |
| State Water Board District Engineer | Jesse Dhliwal | 661-335-7318 661-654-0323 | Jesse.dhaliwal@waterboards.ca.gov |
| State Water Board Staff Engineer | Tricia A. Wathen | 559-447-3398 559-696-8506 | Tricia.wathen@waterboards.ca.gov |
| County Environmental Health Specialist | Jeffrey Marshall | 661-862-8740 661-246-5345 | |
| Technical Assistance Provider, if applicable | | | |
| Sustainable Groundwater Management Agency Contact or other Regional Water Planning contact | | | |
| Mutual Aid Contact/CalWarn | | | |
| Other | | | |

Service / Repair Notifications

| Organization or Department | Name & Position | Telephone | Night or Call Phone | Email |
|----------------------------|---|--|---------------------|--|
| Water Operator | MPMWC On-call Operator | Day: 661-242-3230 | Emergency: 805-2059 | oncalloptions@mpmwc.com |
| Back up Water Operator | Tony Venegas | 661-242-3230 | 661-755-3371 | tvenegas@mpmwc.com |
| Electric Utility Co | SCE | 800-655-4555 | | |
| Electrician | In-house | | | |
| Plumber | See Plumbers list in Office or at mpmwc.com | www.mpmwc.com | | |
| Water Hauler | Laramy Water | 661-324-4718 | | |
| Bottled Water Vendor | Costco or warehouse store | Pick up by staff | | |
| Well Pump Technician | In house | | | |
| Well Drilling Company | First available | List in office filed under Wells | | |
| Back Flow Company | Thomas Sandlin | 760-376-2447 | 760-379-0799 | |

Section 3: Criteria for Initiation and Termination of Water Shortage Response Stages

| Type of Event | Criteria for Initiation/Termination | Comments |
|---------------------|--|--|
| Drought | <i>State Mandate</i> | California has experienced continuous and historic drought levels as registered by California's Groundwater Live |
| Fire | Kern County Fire Dept. Station 58 – PMC 661-242-3702 | Fire possibilities are high throughout much of California, include any unique fire risks/mitigants and result in fire officials requesting water conservation |
| Earthquake | Emergency Response as needed | Earthquakes occur throughout California and may result in well failure or other causes of water loss |
| Contaminants | Water Sampling | Is there known contamination of the well that is currently removed through treatment. If the treatment failed or the source was otherwise contaminated would this result in water outages? |
| Pandemic | Operators and Office Staff work remote | Could a pandemic disrupt water supply delivery? (e.g., loss of operator support, etc.) |
| Terrorism/vandalism | Call On-call Operator and/or 911 | Any risk to water well from targeted acts of terrorism or vandalism? e.g. storage tank entry, etc. |
| Power Outage | Backup generators | Power Outage may result in loss of pump |

Section 4: Triggers and Response Stages for Water Shortage Levels

This table provides a summary of each water shortage stages, triggers and response actions. Additional information for each response action and communication action can also be provided if desired in subsequent pages.

| Stage | Trigger | Response Action | Communication Action | Termination Action |
|----------------------------|--|---|--|--|
| Stage 1 WATCH | NOAA US Drought Monitor Outlook predicting drought in region, lack of normal snow pattern for the region | Initiate conversations with the MPMWC Board Members and staff about current water usage levels; highlight drought education in current curriculum | None, Normal Water Supply Conditions | NOAA US Drought Monitor Outlook showing no drought in region, return to normal snow pattern. |
| Stage 2 WARNING | Prolonged NOAA US Drought Monitor Outlook predicting drought in region, lack of normal snow pattern for the region | Closely monitor well levels and production numbers, conduct drop-down tests on water tanks, and conduct leak detection at least every 6 months. | None, Normal Water Supply Conditions | NOAA US Drought Monitor Outlook showing no drought in region, return to normal snow pattern. |
| Stage 3 ACUTE | Drought declaration by State and/or well levels declining due to prolonged drought. | Limit irrigation by 30%, or as stated in MPMWC's Supply Conditions Recommended to MPMWC Board of Directors to initiate Moderately Restricted Water Supply Condition | Initiate Moderately Restricted Water Supply Condition and notify community via mail | End of drought declaration by State and/or well levels recover. |
| Stage 4 CRITICAL | Prolonged drought declaration by State and/or well levels declining due to prolonged drought. | Limit irrigation by 70%, or as stated in MPMWC's Supply Conditions Recommended to MPMWC Board of Directors to initiate Severely Restricted Water Supply Condition | Initiate Severely Restricted Water Supply Condition and notify community via mail. | End of drought declaration by State and/or well levels recover. |

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|---|---|--|--|--|
| <p>Stage 5 EMERGENCY</p> | <p>Prolonged drought declaration by State and/or well levels decline by 70%</p> | <p>No irrigation and intensive water conservation education with community, prepare for hauled water/bottled water delivery, if necessary</p> <p>Recommended to MPMWC Board of Directors to initiate <i>Critical Water Supply Condition</i></p> | <p>Initiate <i>Critical Water Supply Condition</i> and notify community via mail, phone and email.</p> | <p>End of drought declaration by State and/or well levels recover.</p> |
| <p>Stage 6 CATASTROPHIC Water Loss</p> | <p>Pump failure, water outage, pressure below 20 psi, etc.</p> | <p>Contact all Water Operators and isolate valves at reservoir tanks., identify problem and hand out boil notices, make necessary repairs, conduct chlorination work</p> | <p>Contact operators, contact state, and notify community of any new restrictions or boil notices via door-to-door notices, phone and email.</p> | <p>Normal water pressure resumed.</p> |

Section 5: MPMWC's Water Conservation Supply Conditions

WATER CONSERVATION

1. ***Normal Water Supply Condition.***

A. Use of water for washing vehicles, boats, construction cleanup, dust control or similar uses shall be attended and have hand-controlled watering devices, typically including spring loaded shutoff nozzles.

B. Use of water to clean buildings, decks or privately owned paved surfaces may only be by the use of low water consuming appurtenances such as pressure washers, water brooms or similar devices.

C. Use of water to clean community streets, parking lots and similar community uses may be accomplished solely by Pine Mountain Club Property Owners' Association or its contractor and shall be coordinated in advance with Mil Potrero Mutual Water Company.

D. Use of water resulting in runoff lasting more than five (5) minutes is prohibited.

E. Restaurants may serve drinking water only in response to a specific request by a customer.

H. Allowing a leak of .25 GPM or greater to continue more than two weeks after knowledge of the leak is prohibited and may result in a shut off by MPMWC until leak is repaired.

2. ***Moderately Restricted Water Supply Condition.***

A. Use of water for washing vehicles, boats, buildings, construction cleanup, dust control or similar uses shall be attended and have hand-controlled watering devices, typically including spring loaded shutoff nozzles.

B. Use of water to clean buildings, decks or privately owned paved surfaces may only be by the use of low water consuming appurtenances such as pressure washers, water brooms or similar devices.

C. Use of water to clean community streets, parking lots and similar community uses may be accomplished solely by Pine Mountain Club Property Owners' Association or its contractor and shall be coordinated in advance with Mil Potrero Mutual Water Company.

D. Use of water resulting in runoff lasting more than five (5) minutes is prohibited.

E. Restaurants may serve drinking water only in response to a specific request by a customer.

F. Outdoor irrigation:

i. Outdoor irrigation is prohibited between the hours of 10:00 a.m. and 6:00 p.m. from the first Sunday in May until the first Sunday in November.

ii. All shareholders are directed to use no more water than necessary to maintain landscaping.

G. Allowing a leak of .25 GPM or greater to continue more than week after knowledge of the leak is prohibited and may result in a shut off by MPMWC until leak is repaired. **A leak of .50 gpm or greater may result in immediate shut off by MPMWC until leak is repaired.**

3. ***Severely Restricted Water Supply Condition.***

A. Use of water for washing vehicles, boats, buildings, construction cleanup, dust control or similar uses is prohibited. However, use of a bucket for vehicle and boat washing is permitted subject to non-wasteful applications.

B. Use of water to clean buildings, decks or privately owned paved surfaces is prohibited.

C. Use of water to clean community streets, parking lots and similar community uses is prohibited except to protect the public health and safety as determined by Mil Potrero Mutual Water Company. When approved by the water company, such uses may be accomplished solely by Pine Mountain Club Property Owners Association or its contractor and shall be coordinated in advance with Mil Potrero Mutual Water Company.

D. Use of water which results in runoff is prohibited.

E. Restaurants may serve drinking water only in response to a specific request by a customer.

F. Outdoor Irrigation:

i. Outdoor irrigation is prohibited between the hours of 10:00 a.m. and 6:00 p.m. from the first Sunday in May until the first Sunday in November.

ii. Irrigation of private and public landscaping, turf areas and gardens is permitted at **even-numbered addresses only on Wednesdays and Sundays and odd-numbered addresses on Tuesdays and Saturdays.**

iii. All shareholders are directed to use no more water than necessary to maintain landscaping.

G. Allowing a leak of .15 gpm or greater to continue more than week after knowledge of the leak is prohibited and may result in a shut off by MPMWC until leak is repaired. **A leak of .25 gpm or greater may result in immediate shut off by MPMWC until leak is repaired.**

H. Emptying and refilling swimming pools and spas is prohibited except to prevent structural damage and/or to provide for the public health and safety as determined by Mil Potrero Mutual Water Company.

4. ***Critical Water Supply Condition.***

The Board of Directors may impose any water rationing requirement deemed appropriate to protect public health and safety.

5. Procedures and Penalties.

A. An infraction of MPMWC's conservation measures will initiate a twelve month period during which noncompliant situations may result in the following progression of events and penalties.

In addition to the penalties listed below Company reserves the right to shut off the water supply to premises to prevent loss of water and shall be held harmless for damage to appliances and premises due to such action.

i. First Occurrence: Shareholder or occupant notified of noncompliant situation by personal contact if possible. Courtesy Notice handed to shareholder/occupant by service person if possible, hung on door if not. Letter mailed to shareholder at known address or phone call explaining noncompliance, present Water Supply Conditions, conservation measures in effect and penalties for noncompliance.-

ii. Second Occurrence: Shareholder or occupant again notified of noncompliant situation by personal contact if possible. Water Waste door hanger handed to shareholder/occupant by service person if possible, hung on door if not. Letter mailed to shareholder at last known address or phone call explaining noncompliance, referencing first letter and assessment of twenty-five dollar (\$25.00) penalty.

iii. Third Occurrence: Shareholder or occupant notified of noncompliant situation by personal contact if possible. Water Waste door hanger handed to shareholder/occupant by service person if possible, hung on door if not. Letter mailed to shareholder at last known address or phone call explaining noncompliance, noncompliance history, first and second letters and assessment of one hundred dollar (\$100.00) penalty for noncompliance.

iv. Fourth Occurrence: Shareholder or occupant notified of noncompliant situation by personal contact if possible. Waste Water door hanger handed to shareholder/occupant by service person if possible, hung on door if not. Letter mailed to shareholder at last known address or phone call explaining noncompliance, noncompliance history, first through third letters, and assessment of an additional Two hundred dollar (\$200.00) penalty for noncompliance.

v. Fifth Occurrence: Shareholder or occupant notified by personal contact if possible. Water Waste door hanger handed to shareholder/occupant by service person if possible, hung on door if not. Letter mailed to shareholder at last known address or phone call explaining noncompliance, noncompliance history, first through fourth letters, assessment of an additional penalty of five hundred dollars (\$500.00) and the imposition of a Water Waste rate as enumerated in Rules, Regulations and Rates for a minimum of five working days on all water consumed through shareholder's water meter. At the end of the five working-day period MPMWC's designated representative will attempt to meet with the shareholder to determine if compliance with water use restrictions is likely. If compliance appears likely the Water Waste rate will be discontinued at the time of the decision of MPMWC's designated representative.

6. These water conservation procedures and penalties shall not be deemed to supersede the Water Waste provisions contained within the General Use Regulations of these Rules, Regulations and Rates.

For more information visit:

www.mpmwc.com

Section 6: Educational Water Conservation Resources

DWR K-12 Education Resources:

<https://water.ca.gov/What-We-Do/Education>

<https://water.ca.gov/what-we-do/education/education-materials>

DWR Drought Information: <https://water.ca.gov/Programs/All-Programs/Drought>

USEPA WaterSense for Kids: <https://www.epa.gov/watersense/watersense-kids>

Be Drought Aware: <https://www.epa.gov/watersense/be-drought-aware>

CalEPA Drought Information and Resources: <https://calepa.ca.gov/disaster/drought/>

CalRecycle Kids: <http://calrecycle.ca.gov/Kids/>

State Water Resources Control Board Educational Resources (Students and Educators sections):

https://www.waterboards.ca.gov/water_issues/programs/outreach/education/school/

https://www.waterboards.ca.gov/water_issues/programs/outreach/education/school/other.html

Dept. of Conservation Resources for K-12 Educators: <https://www.conservation.ca.gov/educators>

The Metropolitan Water District of Southern California Water Education:

https://www1.mwdh2o.com/DocSvcsPubs/Education_Site/index.html

Cool California “Getting Kids Involved” Resources: <https://coolcalifornia.arb.ca.gov/article/getting-kids-involved>

Sonoma Water Classroom/Field Programs:

<https://www.sonomawater.org/ClassroomandFieldPrograms>

Solano County Water Agency K-12 Programs:

<https://www.scwa2.com/water-efficiency/schools/school-programs-k12/>

Water Education Foundation “Project WET” Program:

<https://www.watereducation.org/project-wet>

The Water Forum Resource Library (UWMPs and WSCPs):

<https://www.waterforum.org/resources/resource-library>

Water Education Foundation: <https://www.watereducation.org/droughtinfo>

DFA “DROPS” Program:

https://www.waterboards.ca.gov/water_issues/programs/grants_loans/drops/

