

Emergency/Disaster Response Plan

*Water System Purveyors: Send a copy of the completed form to the Water Quality Program
LPA at 5050 Commerce Drive Baldwin Park, CA. 91706.*

Water System Name: Baxter Mutual Water Co.

Water System ID No: 1900509

Number of Service Connections: 14

Population Served: 25

To continue minimum service levels and mitigate the public health risks from drinking water contamination that may occur during a disaster or other emergency events and in order to provide reliable water service and minimize public health risks from unsafe drinking water during those events, the [Baxter] water system proposes the following plan that defines how it will respond to emergencies and/or disasters that are likely to affect its operation.

Disasters/emergencies that are likely to occur in the water system's service area that are addressed are: earthquake, major fire emergencies, water outages due to loss of power, localized flooding, water contamination, and acts of sabotage.

- 1) **DESIGNATED RESPONSIBLE PERSONNEL:** For designated responsible personnel and chain of command and identified responsibilities, see the attached table "Water System Emergency/Disaster Personnel and Responsibilities".
- 2) **INVENTORY OF RESOURCES:** An inventory of system resources that are used for normal operations and available for emergencies; includes maps and schematic diagrams of the water system, lists of emergency equipment, equipment suppliers, and emergency contract agreements that are kept at the water system office.
- 3) **EMERGENCY OPERATIONS CENTER:** The water system office has been designated as the communication network emergency operations center. Emergency contact information for equipment suppliers is attached. The telephone and FAX will be the primary mode of communication in an emergency.

Agency	Address, City	Phone #	FAX #
Water System (Primary Site)	<u>125th St E. at Avenue H, Lancaster</u>	<u>None</u>	<u>None</u>
Water System (Alternate Site)	<u>None</u>		
Fire Department	<u>Lancaster, CA</u>	<u>948-2631</u>	
Law Enforcement	<u>501 W. Lancaster Blvd Lancaster, CA</u>	<u>940-7883</u>	

In addition, should telephone communication be lost, the water system has made arrangements with [No one], to provide emergency communications with emergency response agencies.

- 4) **OTHER AGENCY COORDINATION:** Coordination procedures with governmental agencies for health and safety protection; technical, legal, and financial assistance, and public notification procedures are continually being developed and updated through regulation and experience and will be added as necessary to this plan. (See External Emergency Contact Sheet.)

- 5) **RESPONSE PROCEDURES:** Personnel will, as quickly as possible, determine the status of other employees, assess damage to water system facilities, provide logistics for emergency repairs, monitor progress of repairs and restoration efforts, communicate with health officials and water users according to the "Emergency Notification Plan" on file with the regulatory agency (i.e., California Department of Public Health (CDPH) or Local Primacy Agency (LPA)), and document damage and repairs. A copy of the approved "Emergency Notification Plan" (ENP) and user notification templates is attached. [Please fill out the blank ENP provided and send copies to your LPA Water Quality Program at 5050 Commerce Drive Baldwin Park, CA. 91706; the office that regulates your public water system.

- 6) **PUBLIC NOTIFICATION PROCEDURES:** Public notice procedures should be developed before a disaster and not during the event. Public notices are a significant part of communicating with customers. Standard public notifications have been developed by CDPH for use during an emergency such as: 1) precautions during a water outage or low pressure problem; 2) Boil Water Order (BWO); 3) Unsafe Water Alert (UWA), or; 4) Do Not Drink Notices,. Each utility will need to modify the standard forms with specific contact information and guidance to customers depending on the nature of the emergency event. In addition, water systems need to have copies of public notices in the appropriate languages for use by non-English language speaking customers in their service areas.

A BWO, UWA or Do Not Drink Notice can be issued by one, or a combination of the following agencies:

- CDPH – Drinking Water Program (Designated personnel-District Engineer, Regional Engineer or Branch Chief).
- Local County Public Health Department or local Environmental Health Agency (Designated personnel-County Health Officer or Director of Environmental Health Department for small water systems under county jurisdiction).
- Affected Water System (Designated personnel-responsible person in charge of the affected water system, i.e., Manager, Owner, Operator, etc. The water systems ERP should identify the designated personnel in their ERP).

All public notifications (BWO, UWA or Do Not Drink Notices) should be coordinated with the CDPH District Engineer, L.A. County Environmental Health Department and its Health Officer prior to issuing a public notice. However, any one of the three agencies can act in an emergency to immediately issue a BWO or UWA, if delays would jeopardize public health and safety. The CDHS District Engineer or the water system must notify the LA. County Environmental Health and its Health Officer prior to or immediately after issuing a public notice. Notice must be given directly to a person, and a message left on voicemail or answering machine is not sufficient to meet this requirement. Details of the person responsible for completing this notification and the method that will be utilized is contained in the ERP, and is attached to this plan.

The following standard public notices are provided in the Appendix of this report.

Consumer Alert During Water Outages or Periods of Low Pressure –

If a water system is experiencing power outages, water outages or low pressure problems, a consumer alert may be issued to the public. The notice provides consumers information on conserving water and how to treat the water with household bleach if the water quality is questionable.

Boil Water Order (BWO) – A BWO should be issued when minimum bacteriological water quality standards cannot be reasonably assured. To assure public health protection a BWO should be issued as soon as it is concluded by the designated personnel that the water supply is or may be biologically unsafe. Examples of these situations include:

1. Biological contamination of water supply system, including but not limited to:
 - Positive total or fecal coliform bacteriological samples;
 - Prolonged water outages in areas of ruptured sewer and/or water mains;
 - Failed septic tank systems in close proximity to ruptured water mains;
 - Ruptured water treatment, storage, and/or distribution facilities in areas of known sewage spills
 - Known biological contamination;
 - Cross-connection contamination problems;
 - Illness attributed to water supply.
2. Unusual system characteristics, including but not limited to:
 - Prolonged loss of pressure;
 - Sudden loss of chlorine residual;
 - Severe discoloration and odor;
 - Inability to implement emergency chlorination.

3. Implemented due to treatment inadequacies.

A BWO is not appropriate in response to most types of chemical contamination. A BWO may also be inappropriate in cases where boiling the water may tend to concentrate regulated contaminants that are known to be in the water and that are just below an MCL (e.g. Nitrates or Nitrites that are over 50% of the MCL).

Unsafe Water Alert (UWA) / "Do Not Drink" – In the event a water quality emergency due to known or suspected chemical (non-bacteriological) contamination to a water system a UWA or "Do Not Drink" should be issued. Water should not be used for drinking and cooking, but may be used for sanitation purposes (e.g. toilet flushing, clothes washing, etc.). Examples of these situations include:

1. Known or suspected widespread chemical or hazardous contamination in water supply distribution, including but not limited to:
 - Ruptured water distribution system (storage tanks, mains) in area of known chemical spill coupled with loss of pressure;
 - Severe odor and discoloration;
 - Loss of chlorine residual;
 - Inability of existing water treatment process to neutralize chemical contaminants prior to entering the distribution system.
2. Threatened or suspected acts of sabotage confirmed by analytical results, including but not limited to:
 - Suspected contamination triggered by acts of sabotage or vandalism.
3. Emergency use of an unapproved source to provide a supplemental water supply.

Unsafe Water Alert (UWA) "Do Not Use" – In the event a known or suspected contamination event to a water system, where the contaminate may be chemical, biological or radiological a UWA or "Do Not Use" should be issued. Water should not be used for drinking, cooking, or sanitation purposes. Examples of these situations include:

1. Known or suspected widespread chemical or hazardous contamination in water supply distribution, including but not limited to
 - Terrorist contamination event.

Cancellation of Public Notification

Once a BWO/UWA is issued, the only agency that can rescind the public notice is the drinking water primacy agency. CDPH DWP or the LPA will not lift the BWO for a microbial contaminant until two rounds of samples, collected one day

apart, for coliform bacteria samples have been analyzed and the results are negative. The two sets of sample results should be faxed to the CDPH DWP District Office or LPA office for final approval before rescinding the BWO. Special chemical sampling may be required to get approval to rescind an UWA, please contact the CDPH DWP District Office or LPA to determine what sampling will be required.

7) RESUME NORMAL OPERATIONS: The steps that will be taken to resume normal operations and to prepare and submit reports to appropriate agencies will include identifying the nature of the emergency (e.g., earthquake-causing water outage/leaks, fire or power outage causing water shortage/outage, sabotage resulting in facility destruction or water contamination).

a. Leaks (Result of earthquake, etc.)

- i. Immediately increase system disinfectant residual as a precaution, until normal service is resumed. Determine the locations of leaks and make temporary repairs using clamps and other pipe repair devices that will allow for repairs to be made while system pressure is maintained. If this is not possible, isolate leaks by turning off power or flow, to repair or replace the pipe. Repair or isolate major breaks to allow service to the maximum system population possible.
- ii. Disinfect all repairs as per attached AWWA Standards¹;
- iii. Reestablish normal service.

b. Low pressure or service interruption (Result of earthquake, fire, storm, water source outage, power outage, etc.) – See also section on Leaks, above.

- i. Increase production, if possible, to provide maximum system output.
- ii. Increase disinfectant residual as a precaution against potential contamination.

If any customers have experienced low pressure or a water outage as a result of an earthquake, fire, storm, water source outage, power outage or any other event or failure, immediately contact your CDHS or the LPA to determine if a Boil Water Order (BWO) must be issued to users. ***Note: Whether issued by the water system or a regulatory agency, the BWO can only be rescinded or lifted by CDPH or the LPA. Normally the regulatory agency will consider rescinding a BWO after total coliform sampling on two consecutive days show an absence of total and fecal coliform organisms.***

¹ Copies of the AWWA C651 Standard for Disinfecting Water Mains or the C652 Standard for Disinfection of Water-storage Facilities, can be purchased by contacting the American Water Works Association, or online at <http://www.awwa.org/>

c. Power outage

- i. Place emergency generator on line to provide minimum water pressure to system.
- ii. Increase disinfectant residual as precaution to potential contamination.
- iii. See also water outages, above.

d. Contamination

- i. Immediately, contact CDPH or LPA in accordance with the Emergency Notification Plan. Follow the directions of CDHS or the LPA regarding steps to be taken, emergency notification of users, and public notification.
- ii. Identify location and source of contamination.
- iii. If contamination is from system source, isolate or treat source.
- iv. If contamination is an act of sabotage, take appropriate action based on nature of contamination. Immediately contact local law enforcement and your regulatory agency (CDPH or LPA). Actions should be taken in consultation with the regulatory agency and could include shutting off water until all contaminants are identified.

e. Physical destruction of facility or evidence of tampering (sabotage)

- i. Immediately contact local law enforcement and regulatory agency for consultation.
- ii. Consider the steps necessary to isolate the facilities or portions of the system that may be affected (close valves, turn off pumps, etc.).

All emergencies will be documented along with action taken, and kept in the files of the water system office. Acts of sabotage will be reported to the local law enforcement agency.

Water System Emergency/Disaster Personnel and Responsibilities

Name	Telephone No. (Work)	Role
Title	Telephone No. (Home)	
<i>None</i>		Initial contact at office, in charge for all emergencies until replaced by Chairperson or Director <i>There in no office</i>
Secretary		
<i>Andy Tolman</i>	<i>661-305-0713</i>	In charge for all emergencies
Board Chairperson/Owner <i>President</i>	<i>661-946-8459</i>	
<i>Larry Gordon</i>	<i>None</i>	
Board Member/Resident Manager <i>Vice President</i>	<i>661-946-1646</i>	
Board Member		
Board Member		
Board Member		
<i>Eddie Zavala</i>	<i>661-946-0560</i>	
Treasurer	<i>661-946-0560</i>	
<i>Larry Gordon</i>	<i>None</i>	Emergency assistance and support
Operator	<i>661-946-1646</i>	

External Emergency Contact List

Agency/Department	Telephone No. (Day) Telephone No. (After Hours)
Another Water Agency <i>None</i>	
Fire Department	<i>948-2631</i>
Local Law Enforcement	<i>940-7883</i>
County Office of Emergency Services	(323) 980-2261
FBI Office (terrorism or sabotage) (Also notify local law enforcement.)	(310) 477-6565
California Office of Emergency Services — Warning Center (24-hr. number)— <i>Note: Ask for referral to CDPH Duty Officer-Drinking Water Program</i>	(800) 852-7550 or (916) 845-8911
CDPH Los Angeles District Office	(213) 580-5723
L. A. County Water Quality Program	(626) 430-5420 (213) 974-1234

Water system contact information:

Name:

Address:

City, State, Zip code:

Phone:

Cell Phone:

FAX:

Emergency Supplier Contact Numbers and Supply List

- A. List of equipment on hand for emergency repairs
1. **Example** (Miscellaneous pipes and fittings, 2", 4", 6" & 8", approximately 100 count 20 of each.)
 2. *None*
 - 3.
- B. List of sources of needed equipment, not on hand
1. *See phone book*
(Sources for backhoe, jackhammer, technical support. Sources under contract.)
 2. *Dennis Groven, 946-1558*
(Sources for electrical and pump repair.)
 3. *Rental companies, see phone book*
(Sources for emergency generators in case of prolonged power outages.)
 - 4.
- C. List of distributors or suppliers of replacement parts for the system
1. *Lowe's, Home Depot, Lancaster Plumbing*
(Sources for PVC pipe, valves, and fittings.)
 2. *DRC, 946-9444*
(Sources for pumps, pressure tank, and gauges.)
 - 3.
- D. List of emergency supplier/equipment phone numbers:

	Name	Phone (Day)	Phone (After-hours)
Electrician	<i>Dennis Groven</i>	<i>946-1558</i>	
Laboratory	<i>AVEK</i>	<i>661-943-3201</i>	
Electric & Pump (repair service)	<i>DRC pumping</i>	<i>946-9444</i>	
Chemical Disinfectant Supplier	<i>None</i>		
Other Water Agency (equipment support)	<i>None</i>		

APPENDIX

[Water Purveyors: Please include the completed forms and maps]

Emergency Notification Plan (ENP)

System Map of Sources and Distribution Area

Consumer Alert During Water Outages or Periods of Low Pressure

Boil Water Order (Emergency Situation)

Unsafe Water Alert – Do Not Drink

Unsafe Water Alert – Do Not Use

Note: Copies of the above documents, including Spanish language version and one-liner translations for non-English speakers, can be obtained at: <http://www.dhs.ca.gov/ps/ddwem/Homeland/default.htm>

County of Los Angeles ♦ Department of Public Health
Bureau of Environmental Protection
 Water Quality Program
 5050 Commerce Drive
 Baldwin Park, CA 91706-1423
 TEL (626) 430-5420 • FAX (626) 813-3016
 www.lapublichealth.org/eh

WATER QUALITY EMERGENCY NOTIFICATION PLAN

Name of Utility: Baxter Mutual Water Co

Physical Location/Address: 125th St E. off Avenue H

The following persons have been designated to implement the plan upon notification by the State Department of Health Services that an imminent danger to the health of the water users exists:

Water Utility:		Telephone	
Contact Name & Title	Email Address	Day	Evening Cell
1. <u>Andy Tolman, President</u>	<u>bratolman@gmail.com</u>	<u>661-946-8459</u>	<u>661-305-0713</u>
2. <u>Larry Gordon, Vice President</u>	<u>larry@gordens.us</u>	<u>661-946-1646</u>	
3. <u>Eddie Zavala, Treasurer</u>	<u>ezavalaz@sbcglobal.net</u>	<u>661-946-0560</u>	

The implementation of the plan will be carried out with the following State and County Health Department personnel:

State & County Public Health:		Telephone	
Contact Name & Title		Day	Evening
1. <u>Stephan Cajina, District Engineer</u>	<u>California Department of Public Health</u>	<u>(213) 580-5723</u>	<u>Fax (213) 580-5711</u>
2. <u>Richard Lavin EHS III</u>	<u>LA County Health</u>	<u>(626) 430-5361</u>	<u>(213) 974-1234</u>
3. <u>Antonio Garcia, EHT</u>	<u>Mihye Shur, Chief EHS</u>	<u>(626) 430-5399</u>	<u>(213) 974-1234</u>
		<u>(626) 430-5420</u>	

4. If the above personnel cannot be reached, contact:

Office of Emergency Services Warning Center (24 hrs) (800) 852-7550 or (916) 845-8911 When reporting a water quality emergency to the Warning Center, please ask for the California Department of Health Services – Drinking Water Program Duty Officer.
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NOTIFICATION PLAN

Attach a written description of the method or combination of methods to be used (radio, television, door-to-door, sound truck, etc.) to notify customers in an emergency. For each section of your plan give an estimate of the time required, necessary personnel, estimated coverage, etc. Consideration must be given to special organizations (such as schools), non-English speaking groups, and outlying water users. Ensure that the notification procedures you describe are practical and that you will be able to actually implement them in the vent of an emergency. Examples of notification plans are attached for large, medium and small communities.

Report prepared by:

Larry Gordon, Vice President
 Signature and Title

5/23/2011
 Date

Baxter Mutual Water Company

Notification in case of emergency

Customers will be contacted by phone or by contacting them door-to-door. Estimated time to contact all customers is 15 minutes.

PUBLIC NOTICE

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

CONSUMER ALERT DURING WATER OUTAGES OR PERIODS OF LOW PRESSURE

1. If you are experiencing water outages or low water pressure, immediately discontinue any non-essential water usage. This includes all outdoor irrigation and car washing. Minimizing usage will reduce the potential for the water system to lose pressure or completely run out of water. Please notify your water system of the outage or low pressure.
2. If the water looks cloudy or dirty, you should not drink it. Upon return of normal water service, you should flush the hot and cold water lines until the water appears clear and the water quality returns to normal.
3. If you are concerned about the water quality or are uncertain of its safety, you may add eight drops of household bleach to one gallon of water and let it sit for 30 minutes or alternatively, if you are able, water can be boiled for one minute at a rolling boil to ensure its safety.
4. Use of home treatment devices does not guarantee the water supply is safe after low pressure situations.
5. Do not be alarmed if you experience higher than normal chlorine concentrations in your water supply since the California Department of Health Services is advising public water utilities to increase chlorine residuals in areas subject to low pressure or outages.
6. The California Department of Health Services has also advised public water systems to increase the bacteriological water quality monitoring of the distribution system in areas subject to low pressure. They may be collecting samples in your area to confirm that the water remains safe. You will be advised if the sampling reveals a water quality problem.
7. Your water system is committed to make certain that an adequate quantity of clean, wholesome, and potable water is delivered to you. We recommend that you discuss the information in this notice with members of your family to ensure that all family members are prepared should water outages or low water pressure occur.

Date:

BOIL WATER ORDER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

BOIL YOUR WATER BEFORE USING

Hierva su Agua antes de Usarla

Failure to follow this advisory could result in stomach or intestinal illness.
Falta de seguir este aviso podría tener resultados estómago o enfermedad intestinal

Due to the recent event [e.g., water outage, power outage, flood, fire, earthquake or other emergency situation], the California Department of Public Health in conjunction with the LOS ANGELES County Environmental Health, and [] Water System are advising employees of [] to use boiled tap water or bottled water for drinking and cooking purposes as a safety precaution.

DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST. *Bring all water to a boil, let it boil for one (1) minute, and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking and food preparation until further notice. Boiling kills bacteria and other organisms in the water. [or This is the preferred method to assure that the water is safe to drink.]*

Optional alternative to include for prolonged situations where it fits.

- An alternative method of purification for residents that do not have gas or electricity available is to use fresh liquid household bleach (Clorox®, Purex®, etc.). To do so, add 8 drops (or 1/4 teaspoon) of bleach per gallon of clear water or 16 drops (or 1/2 teaspoon) per gallon of cloudy water, mix thoroughly, and allow to stand for 30 minutes before using. A chlorine-like taste and odor will result from this purification procedure and is an indication that adequate disinfection has taken place.
- Water purification tablets may also be used by following the manufacturer's instructions.
- Optional: Potable water is available at the following locations: [List locations]
Please bring a clean water container (5 gallons maximum capacity).

We will inform you when tests show no bacteria and you no longer need to boil your water. We anticipate resolving the problem within [].

For more information call:

Water Utility contact: [] *Larry Gordon 661-946-1646*
California Department of Public Health – Drinking Water Field Operations Branch-Los Angeles District Office at (213) 580-5723.
Los Angeles County Environmental Health Water Quality Program: at (626) 430-5420.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Date:

UNSAFE WATER ALERT

[Insert one-liner language for non-English speakers here, otherwise delete.]

[] water is possibly contaminated
with []

DO NOT DRINK YOUR WATER

Failure to follow this advisory could result in illness.

An unknown substance has been added to the drinking water supplied by the [] due to a recent [intrusion; break-in] at [one of the wells; our treatment plant; storage tank; specific facility]. The California Department of Public Health, [Los Angeles] County Public Health, and [] Water System are advising residents of [] to NOT USE THE TAP WATER FOR DRINKING AND COOKING UNTIL FURTHER NOTICE.

What should I do?

- **DO NOT DRINK YOUR TAP WATER---USE ONLY BOTTLED WATER.** Bottled water should be used for all drinking (including baby formula and juice), brushing teeth, washing dishes, making ice and food preparation **until further notice.**
- **DO NOT TRY AND TREAT THE WATER YOURSELF.** Boiling, freezing, filtering, adding chlorine or other disinfectants, or letting water stand will not make the water safe.

OPTIONS

- Optional: Potable water is available at the following locations: []
Please bring a clean water container (5 gallons maximum capacity).

We will inform you when tests show that the water is safe again. We expect to resolve the problem within [estimated time frame].

For more information call:

Water Utility contact: [].
California Department of Public Health at: [Los Angeles district office (213) 580-5723.
Los Angeles County Public Health - Environmental Health Water Quality Program: (626) 430-5420.

This notice is being sent to you by [system name: Baxter Mutual Water CO

System ID # [1900509]. Date Distributed: []

Please share this information with all other people who receive this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand.

Date:

UNSAFE WATER ALERT

[Insert one-liner language for non-English speakers here, otherwise delete.]

[] water is possibly contaminated with [Coliform]

DO NOT USE YOUR WATER

Failure to follow this advisory could result in illness.

An unknown substance has been added to the drinking water supplied by the [] due to a recent [intrusion; break-in] at [one of the wells; our treatment plant; storage tank; specific facility]. The California Department of Public Health, [Los Angeles] County Environmental Health, and [] Water System are advising residents of [] to NOT USE THE TAP WATER FOR DRINKING, COOKING, HAND WASHING, OR BATHING UNTIL FURTHER NOTICE.

What should I do?

- **DO NOT USE YOUR TAP WATER---USE ONLY BOTTLED WATER.** Bottled water should be used for all drinking (including baby formula and juice), brushing teeth, washing dishes, making ice, food preparation and bathing **until further notice.**
- **DO NOT TRY AND TREAT THE WATER YOURSELF.** Boiling, freezing, filtering, adding chlorine or other disinfectants, or letting water stand will not make the water safe.

OPTIONS

- Optional: Potable water is available at the following locations: []
Please bring a clean water container (5 gallons maximum capacity).

We will inform you when tests show that the water is safe again. We expect to resolve the problem within [].

For more information call:

Water Utility contact:

California Department of Public Health at: Los Angeles district office (213) 580-5723.

Los Angeles County Public Health - Environmental Health Water Quality Program: (626) 430-5420.

This notice is being sent to you by [system name:

]. System ID # [].

Date Distributed: [].

Please share this information with all other people who receive this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand.