

PUBLIC WATER SUPPLY CHLORINATION REPORT

Hypochlorinator Type _____

Water System Name: _____ County: _____ for Month of _____, 20__

Water System Number: _____ Sources Treated (Name & No.) _____

Day	Reading ¹ on Water Meter Totalizer	Volume ² of Water Treated (gallons)	Setting ³ of Hypochlorinator pump	Level of Liquid ⁴ in Day Tank (Inches)	Residual ⁵ of free chlorine (mg/l)	Remarks ⁶ (special comments/notes on when and how solution is prepared)
0						Enter Last Entry from Previous Month's Readings
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Day Tank Dimensions (inside):

I hereby certify that the information provided is
accurate and correct to the best of my

Send original of this report within ten days
from the end of each month to:

**Compliance Section
Utah Dept. of Environmental Quality
Division of Drinking Water
P. O. Box 144830
Salt Lake City, Utah 84114-4830**

Reported by: _____

Title: _____

Signature: _____

Retain a copy of this report in your system files!

HYPOCHLORINATORS

1. In this column enter the **READING** of the totalizing meter on the water meter. If the units are not in gallons, cross out (gallons) in the next column and specify the units used (cubic feet, acre feet, etc).
2. Determine the **VOLUME** of water treated by subtracting the previous totalizer reading from today's totalizer reading. If your meter totalizer reads to the nearest 10 gallons or 100 gallons, as indicated by fixed zeros, then interpret the portion of this fixed volume from the sweep hand of the meter so that the true volume to the nearest unit of measurement (gallons, cubic feet, acre feet, etc) is recorded.
Note: If a meter is not available, enter your estimate of the volume of water treated; making note in the "Remarks" column how you made your estimate.
3. The **SETTING** of the Hypochlorinator should be indicated in this column (ml/min, gal/hr, liters/hr, etc).
Since hypochlorinators generally utilize mechanically actuated diaphragm pumps with the capability of either or both stroke frequency and stroke length adjustments, the reporter should not simply indicate the stroke frequency or length ratio as may be indicated by dials on the pump, but should report the corresponding volume per unit of time as indicated by charts or curves for the specific pump used. If such charts or curves are not available, the operator should use a graduated cylinder to develop his/her own charts or curves.
4. The **LEVEL of LIQUID** in the day tank supplying the hypochlorinator pump should be recorded in this column.
The difference in liquid levels between any recordings indicates the volume of liquid drawn from the day tank. This is accomplished by knowing the dimensions (inside diameter or wall lengths) of the day tank, therefore proper recording of these dimensions is important! Of similar importance, is the recording of the strength of the solution prepared within the day tank.
 - A. If a diluted "Chlorox" or Wasachlor", etc. liquid bleach solution is used to prepare the solution, please note the following:
 1. The level of liquid in the day tank prior to refilling.
 2. The amount of bleach used.
 3. The strength of bleach used (this can be generally obtained from the bottle's label).
 4. The level of liquid in the day tank after the bleach and any dilution water have been added.
As an example: (4.51 inches initial, added 3 gallons of 5.25% sodium hypochlorite and water to final level of 36.00 inches).
 - B. If a powder form of chlorine such as "HTH" is used, please note the following:
 1. The level of liquid in the day tank prior to refilling.
 2. The amount of powdered chlorine used.
 3. The strength of the powdered chlorine used (this can be generally obtained from the container's label).
 4. The level of liquid in the day tank after the powdered chlorine and any dilution water have been added and thoroughly mixed.
As an example: (3.45 inches initial, added 1 pound of 67.5% powdered calcium hypochlorite and water to final level of 42.00 inches).
5. Each day, the operator should monitor and record the **RESIDUAL** of free chlorine (mg/l or ppm) found in water obtained from different points throughout the distribution system. The *N,N-Diethyl-p-phenylenediamine (DPD)* method of chlorine residual determination is required. Information on the suppliers of equipment is available from the Division of Drinking Water.
6. This column is to be used to record any special **REMARKS** that may have special importance. In addition to the items mentioned above, the operator may choose to indicate addresses or locations where residual disinfectant monitoring is conducted.

A properly completed report will be a valuable record for future reference and water system management should keep originals as required by State and Federal requirements. It will also provide evidence to our office that proper disinfection procedures are being practiced.

Completion and submittal of copies of this report on a monthly basis meet the requirements of R309-102-7.2 of the Utah Administrative Code concerning operational reports for systems disinfecting groundwater sources. This report does not meet the requirements for systems disinfecting and filtering surface waters or groundwater under the direct influence of surface water.

From: _____

**COMPLIANCE SECTION
UTAH DEPT OF ENVIRONMENTAL QUALITY
DIVISION OF DRINKING WATER
P O BOX 144830
SALT LAKE CITY UT 84114-4830**