

*Central City Water Department  
Monthly Activity Report  
February 2010  
Prepared by Scott Dixon – Plant Operator*

**Treatment Plant Water Production**

- Total Gallons Produced = 3,475,000 gallons
- Average Daily Production = 124,107 gallons
  - Total Gallons used in Plant Processes =  
    { Metered Backwash = 240,000 gallons }  
    { Filter to Waste = 156,000 gallons }  
    = 396,000 gallons

**Total Consumer Usage = 3,079,000 gallons**

**Plant Capacity Worksheet**

**Total Plant Capacity = 592,000 GPD (24 hr period) per  
Roberts Filter Model P-175 Design Criteria Manual (page 3)**

Total Plant Hours = 199.8 hours (Avg = 7.1 hrs/day)  
Total Capacity Hours Month = 672 hours (24hrs x 28 days)  
**Total Hour Capacity = 29.7%**

Total Gallons Produced = 3,475,000 gallons  
Total Capacity Gallons Month = 16,576,000 gallons (592,000x 31  
days)  
**Total Plant Gallon Capacity = 21.0%**

**Treatment Plant Chemical Usage**

- Total pounds/gallons of Nalco 8157 Polymer used: 373.54 lbs/ 35.24 gallons.
- Total pounds/gallons of Soda Ash used: 4.00 lbs/ 40 gallons
- Total pounds of Chlorine gas used: 27.0 lbs

Treatment Plant Work Activity:

- Monitoring – all required testing was completed for the month:
  - Total Coliforms, Total Suspended Solids, and THM/HAA5's

### Intake Systems

Inaccessible due to snowpack.

### Raw Water Storage

#### Hole in the Ground Reservoir:

Hole in the Ground level started at approximately 16.5 feet and not spilling. Spot checks throughout the month showed no evidence of reservoir spilling. Due to snow and ice cover only an estimate of the level at the end of the month can be determined. Total reservoir capacity – Total Plant Gallons Produced + Estimated 50gpm influent to reservoir = 14 feet (approx). **Physical reservoir level should be determined as soon as conditions permit.**

#### Chase Gulch Reservoir:

Ice covered all month. Level difficult to determine.

### Distribution System

No major problems. Supplemental Chlorine System project suspended by the State per Larry.

This concludes the Monthly Activity Report for February 2010.

Robert S. Dixon  
Operator ID #8373