

Infrastructure Improvements

Phase 1

VOLUME

| | |
|--|------------------|
| Present: Average Day Demand | 275 cubic meters |
| Present: Maximum day demand (Leak) | 465 cubic meters |
| Proposed: 2 lines @350 cubic meters each | 700 cubic meters |

TREATMENT

Present: Only injection of sodium hypochlorite

Proposed: Meet 4-3-2-1-0 Drinking Water Objectives

4 refers to the inactivation of viruses

3 refers to the removal or inactivation of parasites

2 refers to two treatment processes for all surface water or unprotected groundwater

1 refers to maintaining a turbidity of less than 1 NTU.

0 refers to indicators of bacterial contamination either Fecal Coliform or E. Coli bacteria

STORAGE (CUBIC METERS)

| | Primary | Alannah | Boars Nest | Total |
|----------|---------|----------------|------------|-------|
| Present | 82 | 70 | 23 | 175 |
| Proposed | 430 | 70 (connected) | 23 | 523 |

FIRE PROTECTION

Replace all hydrants and install fire booster pump in Larson Road pumping station.