MAXIMUM INTENDED INVENTORY
The WTP chlorination facility has a maximum intended inventory of ten one-ton containers (20,000 pounds) of chlorine.

WTP - SAFE UPPER AND LOWER LIMITS FOR TEMPERATURE, PRESSURE AND FLOWS
Chlorine Room / Storage Area:
- Chlorine concentration at which alarms will respond:
  - Emergency response condition 1.0 ppm
- Building temperature:
  - Normal 70°F
  - Minimum 60°F
  - Maximum 104°F
-Chlorine Gas pressure:
  - Ton containers 20 to 85 psi
  - Piping to vacuum regulator check valve:
    - Normal 20 psi
    - Minimum 140 psi
    - Maximum -0.5 to -1.4 psi
-Chlorinators:
  - Gas flow minimum 250 lb/day
  - Gas flow maximum 5,000 lb/day
- Injector:
  - Normal Vacuum (gauge readings) 24 in Hg
  - Dilution water pressure:
    - Normal 60 - 70 psi
    - Minimum 40 psi
-Emergency Exhaust:
  - Air Flow Maximum 5,000 scfm

Changeover Pressure:
- Normal 20 psi

EVALUATION OF THE CONSEQUENCES OF DEVIATIONS
The Process Hazard Analyses (PHAs) evaluate the potential consequences of operating deviations at the WTP chlorination system. The PHA information for this facility is located in Section 4.0.