

# **PLANT CAPACITY AND EFFLUENT LIMITS**

## **CAPACITY**

### **FLOW**

Average Day 8.9 MGD (million gallons per day)  
Design Flow 11.4 MGD  
Peak Flow 24.0 MGD

### **ORGANIC LOADING – BIOCHEMICAL OXYGEN DEMAND**

Influent (avg. lbs BOD/day) 17,000 Concentrations (mg/l) 230  
Effluent (lbs BOD/day) 2,230 Concentration (mg/l) 30  
Removal Efficiency (percent) 87

### **SOLIDS LOADING - TOTAL SUSPENDED SOLIDS**

Influent (avg. lbs TSS/day) 14,800 Concentrations (mg/l) 200  
Effluent (lbs BOD/day) 2,230 Concentration (mg/l) 30  
Removal Efficiency (percent) 85

## **PLANT EFFLUENT LIMITS**

### **BOD (BIOCHEMICAL OXYGEN DEMAND)**

Daily average 30-mg/l  
Weekly maximum average 45-mg/l  
minimum 85% removal

### **TSS (TOTAL SUSPENDED SOLIDS)**

Daily average 30-mg/l  
Weekly maximum average 45-mg/l  
minimum 85% removal

### **pH**

6.0 - 9.0

### **FECAL COLIFORM**

Monthly average 200 colonies per 100 ml  
Weekly maximum average 400 colonies per 100 ml

### **AMMONIA**

Monthly average 18.5-mg/l  
Daily maximum 27.7 mg/l

### **CHLORINE RESIDUAL**

Daily maximum .5 mg/l