

**Arlington Dam and Lake Arlington**

**OWNER**

City of Arlington.

**ENGINEER (Design)**

Freese and Nichols.

**LOCATION**

On Village Creek in Tarrant County, 7 miles west of Arlington.

**DRAINAGE AREA**

143 square miles.

**DAM**

Type Earthfill  
 Length 6,482 ft  
 Height 83 ft  
 Top width 24 ft  
 Top elevation 572.0 ft above msl

**SPILLWAY (emergency)**

Type Cut through natural earth  
 Location 500 ft upstream on right bank  
 Crest length 882 ft  
 Crest elevation 559.7 ft above msl

**SPILLWAY (service)**

Type Circular drop inlet  
 Crest length 100 ft ±  
 Crest elevation 550.0 ft above msl  
 Discharge conduit 10-ft diameter

**OUTLET WORKS**

Type Vertical concrete well  
 Size 29 by 29 ft  
 Water supply inlet 2 conduits, 4 by 4 ft  
 Pump discharge pipes 2 to treating plant  
 Low flow outlet 24-inch valve controlled pipe

**STATE AUTHORIZATION**

Permit No. 1797 (Application No. 1932) December 5, 1955 (revision of Permit No. 1716), authorized storage of 47,500 acre-feet of water and annual use of 14,000 acre-feet for industrial purposes and 9,000 acre-feet for municipal use.

**RESERVOIR DATA (Based on 1955 area and capacity curves by Freese and Nichols)**

Capacity 45,710 acre-feet at elevation 550.0 ft above msl  
 Area 2,275 acres at elevation 550.0 ft above msl

**GENERAL**

Construction started May 15, 1956  
 Impoundment of water began March 31, 1957  
 Dam completed July 19, 1957  
 General contractor Key Construction Company  
 Estimated cost of dam \$3,833,710

