

Champion Creek Dam and Champion Creek Reservoir

OWNER

Texas Electric Service Company.

ENGINEER (Design)

Freese, Nichols and Endress.

LOCATION

On Champion Creek in Mitchell County, 7 miles south of Colorado City.

DRAINAGE AREA

203 square miles.

DAM

Type	Earthfill
Length	6,800 ft
Height	114 ft
Top width	20 ft

SPILLWAY (emergency)

Type	Cut channel
Location	Left of embankment
Length	450 ft
Elevation	2,091.0 ft above msl

SPILLWAY (service)

Type	8-ft cut in emergency spillway
Length	50 ft
Elevation	2,083.0 ft above msl

OUTLET WORKS

30-inch pipe through dam with valve control for downstream requirements
This outlet also connects to pumping plant supplying water to Lake Colorado City.

STATE AUTHORIZATION

Permit No. 1874 (Application No. 2037) May 28, 1957, allows storage of 42,000 acre-feet and annual diversion of 4,050 acre-feet of water for industrial use and 2,700 acre-feet for municipal use. The water will be pumped to Lake Colorado City, but can be used directly from the lake.

RESERVOIR DATA (Based on U. S. Geological Survey 1950 topographic maps)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	2,109.0	—	—
Maximum design flood stage	2,104.1	90,020	—
Emergency spillway crest	2,091.0	56,800	2,040
Service spillway crest	2,083.0	42,500	1,560
Invert of inlet structure	2,020.0	880	—
Usable storage	—	41,620	—

GENERAL

Construction started	May 5, 1958
Water impoundment began	February 1959
Construction completed	April 30, 1959
General contractor	Moorman, Dewitt and Singleton

