

Monticello Dam and Monticello Reservoir

OWNER

Texas Power & Light Company.
 Texas Electric Service Company.
 Dallas Power & Light Company.
 Texas Utilities Generating Company is the operating agent.

ENGINEER (Design)

Forrest and Cotton, Inc.

LOCATION

On Blundell Creek in Titus County, 2 1/2 miles east of Monticello.

DRAINAGE AREA

36 square miles.

DAM

Type	Earthfill
Length	3,200± ft
Height above streambed	54 ft
Top width	40 ft
Top elevation	352.0 ft above msl

SPILLWAY (emergency)

Location	Right of the dam
Type	Unpaved, broad-crested
Crest length	1,000 ft
Crest elevation	343.5 ft above msl

SPILLWAY (service)

Location	Left end of the dam
Type	Concrete controlled ogee
Crest length	160 ft (net)
Crest elevation	328.0 ft above msl
Control	4 tainter gates, each 40 by 14 ft

OUTLET WORKS

Water is pumped from the lake for the electric generating plant and other industrial use.

STATE AUTHORIZATION

Permit No. 2591 (Application No. 2825), July 24, 1970, authorizes construction of a dam to impound 40,100 acre-feet of water not to exceed 25,360 acre-feet per annum from Blundell Creek and not to exceed 18,000 acre-feet per annum from Cypress Creek. Permit authorizes consumptive use not to exceed 16,300 acre-feet per annum of the impounded water for the development of thermal electric power.
 Permit No. 2591A (Application No. 2825A), July 6, 1973, authorizes consumptive use not to exceed 15,300 acre-feet of water per annum and diversion and use not to exceed 1,000 acre-feet of water per annum for industrial purposes associated with dust suppression and plant use at the Monticello mining area 7 miles north of the reservoir.

RESERVOIR DATA

Capacity	40,100 acre-feet at elevation 340.0 ft above msl
Area	2,000 acres at elevation 340.0 ft above msl
Capacity	43,360 acre-feet at elevation 342.0 ft above msl
Area	2,130 acres at elevation 342.0 ft above msl

GENERAL

Construction started	April 16, 1971
Deliberate impoundment began	August 9, 1972
Project completed	Spring 1973
General contractor	List & Clark Construction Company
Estimated cost of the dam	\$4,500,000

