



STATE OF ALABAMA

ALABAMA HISTORICAL COMMISSION
725 MONROE STREET
MONTGOMERY, ALABAMA 36104
PHONE: 832-6621



ALABAMA REGISTER OF LANDMARKS AND HERITAGE NOMINATION FORM

COUNTY Chilton and Coosa

PRESENT NAME Hay Dam HISTORIC NAME _____

LOCATION (Street and number) _____

TOWN (Give directions if rural) Coosa River, near Clanton

PRESENT USE Dam & Hydroelectric Generating Plant HISTORIC USE _____

OWNERSHIP: Public () Private () Public acquisition being considered ()

OWNER'S NAME Alabama Power Company

MAILING ADDRESS _____

CONDITION: Excellent () Good () Fair () Ruins ()

INTEGRITY: Original site () Moved () When? _____

From where? _____ Give details in significance

THREATS: No () Yes () By what? _____

RESTORATION WORK: Being considered () Underway () Completed () Not planned ()

SURROUNDING ENVIRONMENT: Open land () Woodland () Scattered buildings ()

Highway building density () Commercial () Industrial ()

Residential () Rural ()

If there are numerous buildings in the area, could this structure be part of a Historic District?

SIGNIFICANCE: Why is this important () associated with events, persons, or movements
Local () State () National ()
() a good example of a type or style of structure
() other _____

Explain:

SIGNIFICANCE (Continued)

Date of Construction 1910-1914 Date of ~~redesign~~ Redevelopment 1964-1967
 Architect or Builder _____

Give a complete but concise history of the structure.

Lay Dam was the first major hydroelectric generating plant in Alabama. Constructed at a cost of \$36,429,000, this gravity concrete dam was begun in 1910 and put in operation in 1914.

State sources of information for the above:

DESCRIPTION

Dam		
Type	Gravity concrete	or objects see supplement
Length of concrete section	2,260 feet	
Maximum height of dam	129.6 feet	
Volume of concrete in structures	343,985 cubic yards	related structures,
Spillway gates	26 - 30 feet x 17 feet	
Capacity of each spillway gate	Approximately 2,823,000 gallons per minute	
Reservoir		
Full reservoir elevation above mean sea level	396.0 feet	
Full reservoir area	12,000 acres	
Full reservoir shoreline	289 miles	
Full reservoir length	48.2 miles	
Maximum depth at dam	88 feet	
Area of watershed draining into reservoir	9,087 square miles	
Full reservoir power storage	27,570,000 kilowatt-hours	
Powerhouse		
Length	376 feet	
Height (above base of power transformers)	106 feet	
Width	74 feet	
Crane capacity	110 tons	
Height of microwave tower	520 feet	
Hydraulic turbines		
Number	6	
Type	Mixed flow	
Horsepower at 81 feet design head	40,000 horsepower each	
Water discharge per turbine	Approximately 2,582,000 gallons per minute	
Speed	128.6 revolutions per minute	
Diameter of water wheel	14 feet 7 inches	
Weight of water wheel	63,900 pounds	
Alternating current generators		
Number	6	
Rating	29,500 kilowatts each	
Voltage	11,500 volts	
Speed	128.6 revolutions per minute	
Diameter of rotor	22 feet 8 inches	

DESCRIPTION (Continued)

Number of stories _____ Foundation _____ Basement _____

WALL MATERIAL: (Note changes from one floor or wing to another)
(clapboard, brick, stone, wood shingle, board and batton, stucco over wood
or brick, metal, logs) PLEASE NOTE TYPE OF BRICK BONDING AND LOG NOTCHING.

STRUCTURAL SYSTEM (If known) Wood frame() Load-bearing masonry () Iron or steel ()

ROOF TYPE: (Gable, Gambrel, Mansard, Flat, Hipped, Combination)

ROOF COVERING: Wood shingle () Asphalt () Tile () Metal () Slate ()

ROOF TRIM: (If any)

CHIMNEYS: (Number, location, and material)

PORCHES Front _____ Type _____
Rear _____ Type _____
Side _____ Type _____

DOORS: Describe entrance door.

Describe other doors.

WINDOWS: Types and number of each floor

INTERIOR: Describe mantels, stairways, wainscoting, plasterwork and any unusual features.

DESCRIPTION (Continued)

OTHER: Use this space to describe any additions, alterations, outbuildings or other features of the structure and its surroundings.

A MAP WITH THE STRUCTURE MARKED AND PHOTOGRAPHS MUST BE SUBMITTED WITH THIS FORM.

Map: A U.S. Geological Survey Map is preferred, but if you are unable to obtain one a county highway map may be used.

Photographs: Must be black and white, glossy finish and either 5 x 7 or 8 x 10.

PREPARED BY _____ DATE _____

ADDRESS _____ PHONE _____

TOWN _____ ORGANIZATION _____

For Alabama Historical Commission use only

Map Reference: Map _____ Site number _____

Thematic Category _____

Added to ALABAMA REGISTER _____

NATIONAL REGISTER Potential

U T M

Latitude

Longitude