



VISUAL INSPECTION CHECKLIST

CITY OF AUBURNENGINEERING SERVICES DEPARTMENT

INSPECTION YEAR:

TYPE OF INSPECTION: (Informal, Regular, Formal):
DAM NAME:
DAM INVENTORY NO:
LOCATION: 1/4 of the 1/4, Section, Township, Range, Lee County
OWNER:
OPERATOR:
DATE OF INSPECTION:
RESERVOIR INFORMATION
Normal Reservoir Elevation (ft):
Reservoir Elevation at time of inspection (ft):
WEATHER CONDITIONS (including recent rainfall):
INSPECTION PERSONNEL
Alabama Licensed Professional Engineer(s):
Name Affiliation Area of Expertise
Non-Licensed technical expert(s) and advisors(s):
Name Affiliation Area of Expertise

City Representative(s):	
Name Affiliation	
Dam Owner Representative(s):	
Name Affiliation	
Oil	
Others:	
Name Affiliation	
GENERAL INFORMATION	
Name of Dam:	
River Basin:	
Stream Name:	Tributary of:
Latitude (N):	Longitude (W):
Purpose of Dam:	
Hazard Classification:	Drainage Area (sq. mi.):
Height of Dam (ft):	Length (ft):
Normal Surface (ac):	Normal Capacity (ac-ft):
Maximum Surface (ac):	Maximum Capacity (ac-ft):
Principal Spillway Capacity (cfs):	Emergency Spillway Capacity (cfs):

Are the spillway(s) adequate for this class	ssification of dam?
Principal: Yes No	
Emergency: Yes No	
If not, what percent of the PMP can be p	passed?
Principal: %	
Emergency: %	
HISTORY	
Date Constructed:	Date(s) Reconstructed:
Designer:	Constructed by:
Owner & Address:	
Owner Telephone Number:	
Owner/Operator present during inspect	ion (yes or no):
PREVIOUS INSPECTIONS (date of)	
Last Informal Inspection:	Last Regular Inspection:
Last Formal Inspection:	
EMERGENCY ACTION PLAN (Require	ed for all High and Specified Significant dams)
Date of Approved Plan:	
Date of Plan Revision:	
Is the notification flowchart complete an	nd current?
Is inundation mapping included?	
Are emergency materials and equipmen	t identified?
When was the plan last tested?	

DOWNSTREAM HAZARD CLASSIFICATIONS

Present Hazard Classification:

Changes in Downstream Land Use and Habitation since last inspection:			
Is present Classification appropriate?			
OPERATION AND MAINTENANCE			
Date of Operation and Maintenance Plan:			
Are instructions adequate?			
Do operating personnel follow instructions?			
What are operating personnel capabilities?			
EXAMINATION OF EMBANKMENT DAMS			
DESCRIPTION OF STRUCTURE			
Embankment Material:			
Cutoff Type (If Known):			
Impervious Core (If Known):			
Internal Drainage System:			
Movement (Horizontal and Vertical Alignment):			
Junctions with Abutments or Embankments:			
Miscellaneous:			
CREST			
Width of Crest:			
Erosion on Crest Present:			
Surface Cracks:			
Settlement:			
Unusual Conditions:			

Slope (Estimate) (H:V): Trees, Undesirable Growth or Debris, Animal Burrows): **Sloughing, Subsidence or Depressions: Slope Protection: Unusual Conditions:** DOWNSTREAM SLOPE **Slope (Estimate) (H:V): Trees, Undesirable Growth or Debris, Animal Burrows): Sloughing, Subsidence or Depressions: Surface Cracks or Movement at Toe:** Seepage: **External Drainage System (Ditches, Trenches, Blankets): Condition Around Outlet Structure: Unusual Conditions: GROIN AND TOE AREA Erosion around Groin Area:** Seepage at Groin Area: **Signs of Movement: Depressions, Sinkholes: Unusual Conditions:** SEEPAGE AND TOE DRAIN/RELIEF WELL FLOW SUMMATION

Location Estimated Flow Color (Turbidity)

UPSTREAM SLOPE

EXAMINATION OF SPILLWAYS AND OUTLET WORKS

TYPE(S) AND DESRICPTION OF SPILLWAY(S)			
Principal:			
Emergency:			
Other:			
FOR EACH SPILLWAY THE FOLLOWING ASPECTS MUST BE EXAMINED WHERE APPROPRIATE			
ENTRANCE CHANNEL			
Description:			
Vegetation (Trees, Bushes):			
Debris:			
Channel Side-Slope Stability:			
Slope Protection/Erosion:			
Unusual Conditions:			
SPILLWAY CREST			
Description:			
Condition of Material:			
Signs of Movement:			
Joints:			
Unusual Conditions:			
INLET RISER			
Description:			
Condition of Material:			

Signs of Movement:
Joints:
Floor:
Unusual Conditions:
SPILLWAY WING WALLS
Description:
Condition of Material:
Signs of Movement:
Joints:
Drains:
Unusual Conditions:
DOWNSTREAM APRON
Description:
Condition of Material:
Signs of Movement:
Unusual Conditions:
CONDUITS
Description:
Condition of Material:
Signs of Movement:
Joints:
Seepage:
Location Estimated Flow Turbidity

Unusual Conditions:
TRASH RACKS
Description:
Condition of Material:
Unusual Conditions:
CHUTES
Description:
Condition of Material:
Signs of Movement:
Joints:
Unusual Conditions:
STILLING BASIN
Description:
Condition of Material:
Signs of Movement:
Erosion:
Unusual Conditions:
OUTLET CHANNEL
Vegetation (Trees, Bushes):
Debris:
Channel Side-Slope Stability:
Erosion:
Unusual Conditions:

LOW LEVEL OUTLET **Description: Condition:** Trash Rack: Leakage: **Location** Estimated Flow **Unusual Conditions:** Was the low-level outlet operated during the inspection? Were there difficulties operating the low-level outlet? When was the low-level outlet last operated and did this conform with the Operation and **Maintenance Procedures?** Miscellaneous: **EMERGENCY SPILLWAY Description: Vegetation (Trees, Bushes): Debris: Channel Side-Slope Stability: Slope Protection/Erosion: Unusual Conditions:** OTHER SPILLWAY **Description: Vegetation (Trees, Bushes): Debris: Channel Side-Slope Stability:**

Slope Protection/Erosion:

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EXAMINATION OF OTHER FEATURES

INSTRUMENTATION (Monumentation/Survey	s, Observation	Wells,	Weirs,	Piezomete	rs,
Etc.) location, condition:					

(A separate report including instrument readings, condition of instruments, observations, and conclusions based upon the collected data should be attached.)

RESERVOIR

Slopes:

Sedimentation:

Unusual Conditions Which Affect Dam:

Unusual Conditions:

APPURTENANT STRUCTURES (Power House, Gatehouse, Penstocks, Water Supply, Other)

Description and Condition of each:

CONCLUSIONS

I certify that the above dam was personally inspected by me and the conditions described herein are correct to the best of my knowledge and belief.

I recommend the following repairs be made immediately:

The following long-term improvements should also be undertaken:

The following studies should also be unde	ertaken:	
Have the recommendations above include Inspections?	ed those from previous Regular or F	ormal
Does the Emergency Action Plan or the O revision?	peration and Maintenance Procedu	res require
Name of Professional Engineering Compa	any/Consultant Representing the Ov	vner:
Company/Consultant Address:		
Company/Consultant Telephone Number	:	
Alabama Licensed Professional Engineer of the inspection:	representing the dam owner in resp	onsible charge
Sign	Date	
Alabama Professional Engineer License N	Number	
	SEAL	
(Department use only) Dam Name		
Reference No		