Texas Commission on Environmental Quality

Dam Inspection Form

Dam Name:__________________________________________________________   Inventory No:________________________
Name of Inspector/s: _______________________________________________________________________________________
Name of Contact/s: _________________________________________________________________________________________
Date of Inspection: _________   Start Time: ________  End Time: _________  Weather: _____________________________

Crest level (at center) above water: _____________________________________________________________________________
Service spillway level  ❑ Above  or  ❑ Below water: _____________________________________________________________
Emergency spillway level above water: __________________________________________________________________________
Ground Moisture Condition:  ❑ Dry  ❑ Damp  ❑ Wet  ❑ Snow   ❑ Other: __________________________________

Crest of Embankment  General Condition:  ❑ Good  ❑ Fair  ❑ Poor   Width: ________________
Problems Noted:  ❑ None  ❑ Rutting  ❑ Erosion  ❑ Poor Drainage  Height: ________________
❑ Trees  ❑ Depressions  ❑ Bulges  ❑ Livestock Damage  ❑ Cracks  Length: ________________
❑ Misalignment of Crest  ❑ Misalignment of Utility Poles  ❑ Misalignment of Fences or Rails  ❑ Sinkhole  ❑ Burrows
❑ Breached  ❑ Other: _______________________
Comments: _______________________________________________________________________________________________
_________________________________________________________________________________________________________
_________________________________________________________________________________________________________

Upstream Embankment  General Condition:  ❑ Good  ❑ Fair  ❑ Poor   Slope: _______________________
Problems Noted:  ❑ None  ❑ Rip-Rap  ❑ Erosion  ❑ Too Steep  ❑ Burrows  ❑ Trees  ❑ Cattails  ❑ Depressions
❑ Bulges  ❑ Livestock Damage  ❑ Slides  ❑ Concrete Decay  ❑ Cracks  ❑ Sinkhole  ❑ Benching
❑ Misalignment of Rip-rap  ❑ Open Joints in Concrete
Comments: _______________________________________________________________________________________________
_________________________________________________________________________________________________________
_________________________________________________________________________________________________________

Downstream Embankment  General Condition:  ❑ Good  ❑ Fair  ❑ Poor   Slope: _______________________
Problems Noted:  ❑ None  ❑ Sloughing  ❑ Erosion  ❑ Too Steep  ❑ Burrows  ❑ Trees  ❑ Cattails  ❑ Depressions
❑ Bulges  ❑ Livestock Damage  ❑ Slides  ❑ Concrete Decay  ❑ Cracks  ❑ Sinkhole  ❑ Other: ________________
Comments: _______________________________________________________________________________________________
_________________________________________________________________________________________________________
_________________________________________________________________________________________________________

Seepage on Downstream Slope  Amount:  ❑ Major  ❑ Moderate  ❑ Minor  ❑ None Found
Problems Noted:  ❑ None  ❑ Saturation Starts at ________________ % up Embankment  ❑ Presence of Sediment in Flow
❑ Cattails at Toe of Dam  ❑ Surface Water at Toe of Dam  ❑ Seepage Associated with Sloughing  ❑ Continuous Flow
❑ Sporadic Flow
Comments: _______________________________________________________________________________________________
_________________________________________________________________________________________________________
_________________________________________________________________________________________________________

TCEQ-20361  (2/07)
**Downstream Hazard Conditions**  
- Narrow Canyon  
- Wide Canyon  
- Lightly Sloping Prairie  
- Pastureland  
- Large Trees and Forest  
- Brushy and Scrubby Forest  
- No Homes  
- Lightly Populated  
- Moderately Populated  
- Densely Populated  
- Industrial  
- Businesses  
- Estimated number of homes: _____________________________  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________

**Service Inlet Structure**  
General Condition:  
- Good  
- Fair  
- Poor  

Problems Noted:  
- None  
- Blockage  
- Not Located  
- Steel Corrosion  
- Concrete Spalling  
- Concrete Cracking  
- Reinforcement Corrosion  
- Missing Parts  
- Timber Decay  
- Leakage Below Water Level  
- Inoperable Valve  
- Other:______________________________  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________

**Service Outlet Structure**  
General Condition:  
- Good  
- Fair  
- Poor  

Problems Noted:  
- None  
- Blockage  
- Not Located  
- Corrosion of Conduit  
- Presence of Sediment in Flow  
- Inaccessible  
- Concrete Cracking  
- Concrete Spalling  
- Reinforcement Corrosion  
- Misalignment of Walls/Slabs  
- Open Joints  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________

**Service Spillway**  
Condition:  
- Good  
- Fair  
- Poor  

Depth: ______________________  

Problems Noted:  
- None  
- Blockage  
- Not Located  
- Trees  
- Burrows  
- Back-Cutting Erosion  
- Inaccessible  
- Livestock Damage  
- Concrete Cracking  
- Concrete Spalling  
- Reinforcement Corrosion  
- Damaged Water-stops  
- Open Joints  
- Sinkholes  
- Holes in Spillway Chute  
- Seepage  
- Misalignment of Walls/Slabs  
- Damaged Gates  
- Nonfunctional Gates  
- Lubrication of Gates  
- Testing of Gates  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________

**Emergency Spillway**  
Condition:  
- Good  
- Fair  
- Poor  

Depth: ______________________  

Problems Noted:  
- None  
- Blockage  
- Not Located  
- Trees  
- Burrows  
- Back-Cutting Erosion  
- Inaccessible  
- Livestock Damage  
- Concrete Cracking  
- Concrete Spalling  
- Reinforcement Corrosion  
- Damaged Water-stops  
- Open Joints  
- Sinkholes  
- Holes in Spillway Chute  
- Seepage  
- Misalignment of Walls/Slabs  
- Damaged Gates  
- Nonfunctional Gates  
- Lubrication of Gates  
- Testing of Gates  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________

**Other Items**  
- Major road along crest of dam  
- Private road or driveway along crest of dam  
- Vehicle bridge along crest of dam  
- Culverts built into crest of dam  
- Pipeline immediately downstream from dam - Type of pipeline: ______________________________________  
- Water supply line in crest of dam  
- Other: ________________________________________________  

Comments: _______________________________________________________________________________________________

______________________________________________________________________________________________
Repair Items Ranked by Priority

Item 1: ________________________________________________________________
Item 2: ________________________________________________________________
Item 3: ________________________________________________________________
Item 4: ________________________________________________________________

Security Issues
❑ Vehicle Accessible  ❑ Vehicle Gates  ❑ Vehicle Fences and Railing  ❑ Pedestrian Accessible
❑ Pedestrian Gates and Fences  ❑ Obscured from Surveillance  ❑ Locks  ❑ Breaches in Fence  ❑ Evidence of Parties
❑ Graffiti  ❑ Security System
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________

Operational Procedures
❑ SOP Available  Location Kept: ____________________________________________
❑ Logbook  Location of Logbook: ____________________________________________
❑ Major Events Noted  ❑ Staff Training  Topics of Training: ______________________
❑ Manual Gate Operations  ❑ Powered Gate Operations  ❑ Automated Gate Operations
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________

Communications
❑ Directory Available  ❑ 24-Hour Coverage  ❑ Telephone Available at Dam
❑ Cell Phone Coverage—Provider: __________________________________________
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________

Emergency Action Plan
❑ Available  ❑ Filed with TCEQ  ❑ Change in Downstream Hazard
Frequency of Update: ____________________________ Date of Last Revision: __________
Date of Last Exercise: __________________________
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________

Instrumentation
❑ Present  ❑ Adequately Maintained  ❑ Inadequately Maintained  ❑ Operational  ❑ Data Collected
❑ Data Analyzed  ❑ Adequately Protected
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________

Early Warning System
❑ Present  ❑ Adequately Maintained  ❑ Inadequately Maintained  ❑ Operational
Frequency of Maintenance: ____________________________ Date of Last Exercise: __________
Comments: ______________________________________________________________
________________________________________________________________________
________________________________________________________________________
**Reservoir Drawdown Capability**  Method of Drawdown: _____________________________________________________

Maximum Drawdown: _______________________ c.f.s.  Frequency of Testing: ________________________________________

Comments: _______________________________________________________________________________________________

__________________________________________________________________________________________________________

__________________________________________________________________________________________________________

**Backup Power**  □ Present  □ Adequately Maintained  □ Inadequately Maintained  □ Operational

Frequency of Maintenance: _______________________________  Date of Last Exercise: ________________________________

Comments: _______________________________________________________________________________________________

__________________________________________________________________________________________________________

__________________________________________________________________________________________________________