



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
Division of Water Resources-Safe Dams Program  
Jackson Environmental Field Office  
1625 Hollywood Drive  
Jackson Tennessee 38305-4316  
PHONE 731-512-1300 STATEWIDE 1-888-891-8332 FAX 731-661-6283

June 2, 2022

Mrs. Natalie Porter, Chairman  
Carroll County Watershed Authority  
P.O. Box 668  
Huntingdon, TN 38344

RE: Safety Inspection  
Reedy Creek Dam  
I.D. # 09-7032  
Carroll County

Dear Mrs. Porter:

On May 17, 2022, a Safety Inspection was conducted by personnel of this Division on the above referenced dam. Enclosed is an inspection report, which outlines the observed conditions at this dam.

Based on the inspection, the dam appears to comply with the Safe Dams Act TCA 69-11-101 et. seq., and therefore merits a Certificate of Approval and Safety for Operation.

During the inspection, certain conditions listed below were observed. These conditions must be corrected or monitored to insure they do not develop into a serious threat to the safety of the dam.

**Spray/control the vegetation in all rip rapped areas so that the rip rap remains free of any vegetation.**

**Continue to improve the grass cover on the downstream slope to help with the erosion issues on the slope.**

**Fill the hole observed ~90' north of the concrete chute about a third of the way up the downstream slope with soil.**

**Continue to operate the drawdown valve annually.**

Mrs. Natalie Porter

June 2, 2022

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If you have not already done so, please sign the application sent to you earlier and return it along with the inspection fee of \$500.00.

If there are any questions or comments, please contact me at (731) 487-0470 or Will Little at (731) 202-6948. Your cooperation with the Safe Dams Program is appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Stephen Miller". The signature is written in a cursive style with a blue ink color.

Stephen Miller

Safe Dams Program

Division of Water Resources

[Stephen.M.Miller@tn.gov](mailto:Stephen.M.Miller@tn.gov)



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Jackson Environmental Field Office  
1625 Hollywood Drive  
Jackson, Tn. 38305-4316  
Phone (731) 512-1300 Fax (731) 661-6283

**INSPECTION REPORT  
DAM AND APPURTENANT WORKS**

**Name of Structure:** Reedy Creek Dam **I.D.:** 09-7032  
**Owner:** Carroll County Watershed Authority **County:** Carroll  
**H.P.C.:** 1 **Weather:** Clear, 70°s **Date:** May 17, 2022  
**Last Inspection Date:** May 13, 2021 **Lake Level:** 4'-5' > NPL  
**Emergency Spillway Capacity: Required:** PMP **Existing:** PMP  
**Persons Present at Inspection:** Stephen Miller & Will Little - TN Safe Dams Program; John Bowling - JEFO DWR

*Any structural modifications, problem areas, or additional information should be sketched. If additional sheets are needed for further sketches or notes, these should also be noted and made a part of this report.*

**1. UPSTREAM (LAKESIDE) SLOPE OF DAM**

**A. Vegetative Cover**

Grass and weeds. Small trees/bushes are scattered in the rip rap.

	<b>Yes</b>	<b>No</b>
<b>Trees</b>	<u>          </u>	<u>X</u>
<b>Brush and/or Briars (Rip rap)</b>	<u>X</u>	<u>          </u>
<b>Needs Clearing/Mowing (Rip rap)</b>	<u>X</u>	<u>          </u>

**B. Erosion**

No active erosion.

**C. Slope Protection**

Rip rap

	Yes	No
Completely Rip-rapped?	X	_____
Areas needing additional riprap?	_____	X

**D. Slumps, Slides, Cracks**

None observed

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	Yes	No
Sketch of location attached?	_____	X

**E. Animal Burrows**

None observed

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**F. Drift and Debris**

Some scattered drift in and along the rip rap.

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	Yes	No
Blocking trash rack or riser inlet?	_____	X

**G. Remarks**

Spray/remove any vegetation in the rip rap on a routine basis so that the rip rap remains free of vegetation.

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**2. CREST (TOP OF DAM)**

**A. Vegetative Cover**

Gravel north of the spillway. Grass south of the spillway.  
More gravel has been added to the north end of the crest.

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	Yes	No
Trees	_____	X
Brush and/or Briers	_____	X
Needs Mowing	_____	X
Ruts from vehicle or foot traffic	_____	X

**B. Erosion**

No active erosion observed.

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**C. Slumps, Slides, Cracks**

None observed

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	Yes	No
Sketch of location attached?	_____	_____X

**D. Remarks**

Continue your routine maintenance program.

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**3. DOWNSTREAM SLOPE OF DAM**

**A. Vegetative Cover**

Grass and weeds. Vegetation is present in the rip rapped areas.

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	Yes	No
<b>Trees</b>	_____	_____X
<b>Brush and/or Briars (Rip rap)</b>	_____X	_____
<b>Needs mowing/clearing (Rip rap)</b>	_____X	_____
<b>Needs reseeding</b>	_____	_____X

**B. Erosion**

A few small bare areas are present about 20% up the slope on the north side. These areas do not appear to have gotten worse since the last inspection but should be repaired/stabilized.

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**C. Seepage**

None observed on the slope or toe. Left toe drain had a drip.  
Right toe drain had a drip.

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	Yes	No
Left Abutment (Looking Downstream)	_____	X
Right Abutment (Looking Downstream)	_____	X
Toe of Dam	_____	X
Sketch of location attached	_____	X
Soil particles or discolored water in the seepage	_____	X
<b>ESTIMATED VOLUME OF SEEPAGE</b> Noted above.		

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**D. Slumps, Slides, Cracks**

None observed

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	Yes	No
Sketch of location attached?	_____	X

**E. Animal Burrows**

A small hole is present ~90' north of the concrete chute about  
a third of the way up the slope.

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	Yes	No
Water coming from hole?	_____	X
Running water sounds heard?	_____	X

**F. Remarks**

Spray/remove the vegetation in the rip rapped areas. Fill the hole  
noted above with soil. Improving the vegetation on the slope would  
help reduce any erosion.

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**4. PRINCIPAL SPILLWAY**

**A. Inlet**

**1. Type (concrete, metal, etc.)**

Concrete riser with numerous inlets and controls.

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**2. Shape**

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**3. Condition**

Ok

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**B. Outlet**

**1. Type (concrete, metal, etc.)**

6' X 6' concrete box culvert into a concrete box impact basin.

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**2. Shape**

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**3. Condition**

Ok.

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	<b>Yes</b>	<b>No</b>
<b>Is stilling basin rip-rapped?</b>	<u>  X  </u>	<u>      </u>

**Remarks**

Continue your routine maintenance program.

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**5. EMERGENCY SPILLWAY**

**A. Type (rock, earthen, etc.):**

60' wide concrete chute channel over the dam.

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**B. Condition:**

Ok.

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	<b>Yes</b>	<b>No</b>
Inlet blocked by debris?	_____	X
Trees or brush growing in channel?	_____	X

**C. Remarks**

Spray/control the vegetation in all rip rapped areas.

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**6. DRAWDOWN FACILITIES**

3 - 48" slide gates on riser.

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**When is last known time operated?**

Summer 2021

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**Valved on upstream or downstream side?**

Upstream

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**Remarks**

Continue to operate the drawdown valve annually.

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**7. DOWNSTREAM HAZARD POTENTIAL: 1 - High**

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	<b>Yes</b>	<b>No</b>
Is a change in hazard classification needed?	_____	X

If Yes, explain why:

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**8. DO PLANS AND SPECIFICATIONS EXIST?**

<b>Yes</b>	<b>No</b>
X	_____

If so, where? DWR

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**9. DO PIEZOMETERS EXIST?**

<b>Yes</b>	<b>No</b>
_____	X

If so, how many are present?

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**Remarks**

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10. **GENERAL COMMENTS:**

This structure appears to be in acceptable condition at the present time.

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11. **RECOMMENDATIONS:**

Spray/control the vegetation in all rip rapped areas so that the rip rap remains free of any vegetation.

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Continue to improve the grass cover on the downstream slope to help with the erosion issues on the slope.

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Fill the hole observed ~90' north of the concrete chute about a third of the way up the downstream slope with soil.

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Continue to operate the drawdown valve annually.

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**INSPECTOR'S SIGNATURE**

Stephen Miller

**INSPECTION REPORT SUMMARY**

**DAM NAME** Reedy Creek Dam **I.D. NUMBER** 09-7032

**INSPECTION DATE** May 17, 2022

*The checklist below is marked to indicate the conclusions in the report.*

**GENERAL CONDITIONS**

Satisfactory	Marginal	Deficient
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**UPSTREAM SLOPE**

Vegetative Cover	X		
Mowed Adequately	X		
Erosion	X		
Slope Protection	X		
Slumps, Slides, Burrows	X		

**CREST OF DAM**

Vegetative Cover	X		
Mowed Adequately	X		
Erosion	X		
Ruts, Cracks, Holes	X		


**DOWNSTREAM SLOPE**

Vegetative Cover	X		
Mowed Adequately	X		
Erosion	X		
Seepage	X		
Slumps, Slides, Burrows, Holes	X		

**SPILLWAYS AND DRAWDOWN FACILITIES**

Spillway Capacity	X		
Principal Spillway Condition	X		
Emergency Spillway Condition	X		
Drawdown Operable	X		


# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 1	<b>Date</b> 5/17/2022		
<b>Description</b> North side of upstream slope. Scattered trees/bushes in rip rap.			

May 17, 2022 at 9:49:27 AM




# Photographic Log

Client or Facility Name:		Site Location:	Project No.:
Reedy Creek Dam		Carroll Co.	09-7032
Photo No.	Date		
2	5/17/2022		
Description			
Photo of north end of dam taken from near the right abutment. Trees/bushes in rip rap.			
		May 17, 2022 at 9:31:51 AM	




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 3	<b>Date</b> 5/17/2022		
<b>Description</b> South end of upstream slope. Scattered trees/bushes in rip rap.			

May 17, 2022 at 11:14:53 AM




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 4	<b>Date</b> 5/17/2022	 <p>May 17, 2022 at 10:31:05 AM</p>	
<b>Description</b> North side of dam on downstream slope. Past noted bare area is now more vegetated.			




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 5	<b>Date</b> 5/17/2022	 <p>May 17, 2022 at 10:35:16 AM</p>	
<b>Description</b> North side on downstream slope. Bare area with minor erosion.			




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 6	<b>Date</b> 5/17/2022		
<b>Description</b> The stick is marking a small hole ~90' north of the concrete chute about a third of the way up the downstream slope.			

May 17, 2022 at 10:46:49 AM




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 7	<b>Date</b> 5/17/2022	 <p>May 17, 2022 at 9:53:48 AM</p>	
<b>Description</b> Downstream slope north of the concrete chute.			




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 8	<b>Date</b> 5/17/2022	 <p>May 17, 2022 at 10:49:13 AM</p>	
<b>Description</b> Photo of rip rap along concrete chute. Trees/bushes present in rip rap.			




# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 9	<b>Date</b> 5/17/2022		
<b>Description</b> Photo of area along concrete chute. Trees/bushes and vines present in rip rap and along chute.			

May 17, 2022 at 10:54:13 AM

# Photographic Log

<b>Client or Facility Name:</b> Reedy Creek Dam		<b>Site Location:</b> Carroll Co.	<b>Project No.:</b> 09-7032
<b>Photo No.</b> 10	<b>Date</b> 5/17/2022		
<b>Description</b> Principal spillway outlet			