

NOTICE IS HEREBY GIVEN that a special meeting of the Millpond Dam Committee of the Village of Neosho shall be held on **TUESDAY, SEPTEMBER 12, 6:00 p.m.**, at the Neosho Village Hall, 210 S. Schuyler Street, Neosho WI.

The village hall is handicap accessible.

TUESDAY, SEPTEMBER 12, 6:00 P.M.

1. Swear in new committee members.
2. Recap of dam project YTD.
3. Timeline review.
4. Action item list review.
5. Engineering report/company.
 - a. Review Kunkel report and additions needed.
 - b. New engineering company to be hired. Create list of candidates and contact.
6. Grants – information gathering.
7. Emergency action plan – updates needed.
 - a. Scan current document to have an electronic copy.
 - b. Review and update.
8. Contractors –
 - a. Create a list of contractors.
 - b. Contact to determine if qualified and would be interested in bidding.
9. Fundraising.
10. Q&A. New business.
11. Determine next meeting date, time, and agenda items.

Adjournment.

Any additions or corrections will be posted at the Village Hall.

/s/ Deanna Braunschweig, Village Clerk-Treasurer

Any person who has a qualifying disability as defined by the American's With Disabilities Act, that requires the meeting or materials at the meeting to be in an accessible location or format must contact the Clerk-Treasurer at the village hall at 920-625-3086 at least one day prior to the meeting so that any necessary arrangements can be made to accommodate each request.

It is possible that members of or a quorum of members of other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information. No action will be taken by any other governmental body except by the governing body noticed above.

Neosho Dam Repair Project

Steps		Start	End	% Complete	Notes
Field Inspection Report		7/12/2022		80	further inspection needed & updated documents
Budget		9/12/2023		5	budget info needed for village board Sept. 2024
				0	
Emergency Action Plan Review		8/9/2023		25	submit completed plan to committe
Emergency Action Plan				0	submit to DNR
DNR Permit				0	
Grants				0	grants open September. Need to submit 9/1/2024
Create bid proposal		2/1/2024		0	
Post Bid		12/1/2024		0	
Hire Contractor		2/1/2025		0	
Contractor perform work		spring 2025	8/1/2025	0	
Drop dead date		9/30/2025			All work completed, everything submitted to DNR
Action Items	Owner	Start	End	% Complete	Notes
Kunkel Engineering	Chris	8/9/2023		75	further inspection needed
Emergency Action Plan	Jen/Mike W.	8/9/2023		0	review and update as needed
Additional pictures of dam	Chad	8/9/2023	8/28/2023	100	trunnion pins
Fundraising					
Grants					
Hire new engineering company					
Contractors					list of proposed contractors. Need feedback on project



KUNKEL ENGINEERING GROUP
107 Parallel Street
Beaver Dam, WI 53916
Phone (920) 356-9447 / Fax (920) 356-9454

Dam Inspection Memo - September 14, 2021

Chris Oldenhoff, Village President
Village of Neosho
210 S Schuyler Street
Neosho, WI 53059

RE: Inspection Report for Neosho Dam, FF # 14.14 Seq 1077

Mr. Oldenhoff:

At the request of the Village, I performed a field inspection of the Neosho Dam on July 7, 2022. Your copy of the WDNR Inspection Forms and Photo Log are attached. As you are aware the dam is an earth embankment, approximately 1000 feet long and 12 feet high, carrying State Highway 67. The 74 ft long paved concrete spillway with tainter gate is located under the highway bridge near the south end.

In 1994 the spillway was repaved, pressure grouted, and the steel tainter gate replaced. This inspection shows cracks and spalling have developed on the downstream side of the gate wings. The most serious being a section of the 94 repair on the south wing that is washed away in the splash zone exposing reinforcing steel. This situation currently does not appear to be structurally significant, but must be monitored. As indicated in the 2011 Inspection Report, the steel tainter gate needs to be recoated to prevent further corrosion.

The benchmark at the SE corner of the bridge deck appears to be undisturbed. Required waterway dam signage is in place. The downstream side of the embankment must be periodically monitored for erosion caused by runoff from the highway and WisDOT contacted if maintenance is warranted.

Inspection, Maintenance & Operation Plan were submitted to WDNR on 3/6/2012. WDNR record indicates that to date an Emergency Action Plan and the Dam Failure Analysis have not been completed and submitted. In my opinion, as downstream development has not significantly changed since the last inspection the current Low Estimated Hazard Rating should be maintained.

Gate Recoating Maintenance is required as outlined below, with a target completion of September 30, 2025:

- install temporary dam / dewatering provisions and remove gate
- provide nearby temporary containment for blasting and coating or transport gate to shop.
- sandblast gate and struts, preparing steel surfaces to "near-white blast level"
- apply zinc primer coat, stripe coat, 2nd primer and finish epoxy coat or equal
- inspect and repair/replace gate seals as needed
- reinstall gate and check gate alignment

The report materials are being forwarded to WDNR for review and concurrence with the above timeframe for repairs. Should you need to discuss this work, please call Don Neitzel or myself at your convenience.

regards,

KUNKEL ENGINEERING GROUP

Basil Orechwa PE

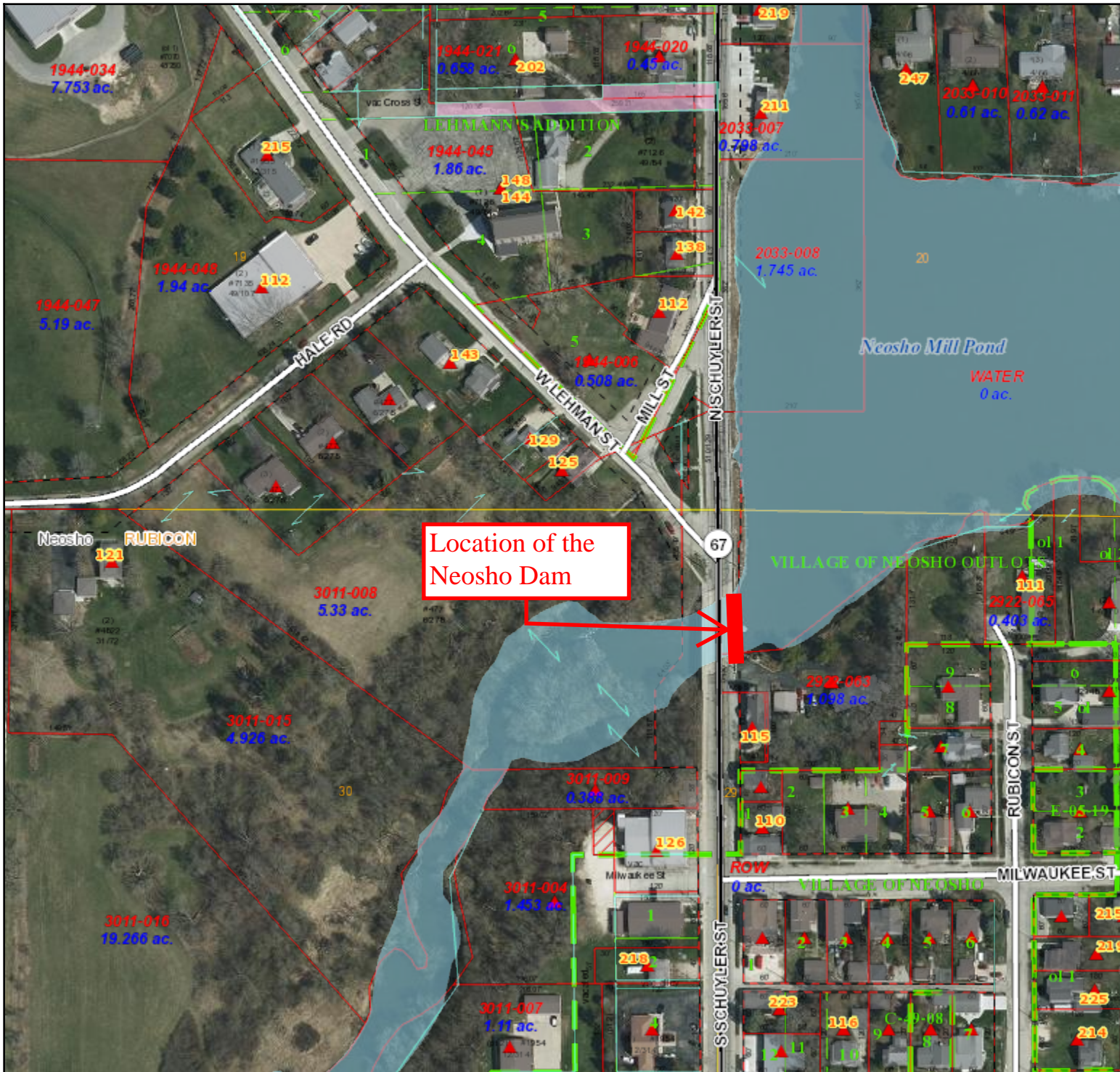
Attachments

cc Uriah Monday, WDNR

NEOSHO DAM LOCATION MAP

Legend

- Parcels
- Parcel Labels
- CSM Boundaries
- CSM Lots
- Sub and Condo Lots
- Subdivisions and Condo Boundaries
- Encumbrances
- ROW
- ▲ Address Points
- Address Labels
- Driveways
- Building Footprints
- Misc Lines
- Cities and Villages (scale below 30K)
- Towns
- Sections
- State Roads
- County Roads
- Federal Roads
- Interstates
- Centerline
- Lakes and Rivers
- Horicon Marsh
- Surrounding Counties



Location of the
Neosho Dam



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

Author:	
Date Printed: 08/8/22 1:45 PM	
Sources:	

Certification for Dam Inspection

Local Dam Name (PRINT): NEOSHO DAM

DNR Field File #: 1077

I certify that I have completed the checklist truthfully and factually:

Certifier's Name (print): BASIL ORECHWA

Company Name: KUNKEL ENGINEERING GROUP

Signature: *Basil Orechwa*

Date: 8-12-2022

Multidisciplinary: I am experienced in the technical disciplines or I am working with other professionals experienced in the technical disciplines to properly inspect this dam and appurtenant works. Technical disciplines, in addition to general civil engineering, may include geotechnical, geological, hydrologic, structural, and mechanical:

Yes No

Engineer's Wisconsin Registration Number: E-32173

Expiration Date: 7/31/2024

Engineer's Seal (optional):

Name of Dam: NEOSHO DAM	Date: 7-13-22
Inspectors: BASIL ORECHWA	F.F #: 14.14
Owner's Name: VILLAGE OF NEOSHO	Key Seq #: 1077
Street: 210 SOUTH SCHUYLER STREET	
City, State, Zip Code: NEOSHO, WI, 53059	
County: DODGE COUNTY	Phone: 920-356-9447
Weather and Site conditions: MOSTLY SUNNY, BREEZY, 80	Email: BORECHWA@GEO-LOGIC.COM

GENERAL

Item	N	P	Notes/ Observations	Action		
				M	I	R
1 Monuments/Benchmarks	<input checked="checked" type="checkbox"/>	<input type="checkbox"/>	Location: SE CORNER OF THE BRIDGE DECK Elevation: 884.45 Datum: PLAN			
2 Pool Level	<input type="checkbox"/>	<input type="checkbox"/>	Normal/Operating: 874.00 Maximum: +/- 876.00 Minimum: +/- 867.00 Staff Gage: <input type="checkbox"/> NO STAFF GAGE			
3 Access Road	<input type="checkbox"/>	<input type="checkbox"/>	S.T.H. 67			
4 Signage/ Security	<input type="checkbox"/>	<input type="checkbox"/>	Portage/route: <input type="checkbox"/> Dam Warning: <input checked="checked" type="checkbox"/> Downstream Hazard: <input checked="checked" type="checkbox"/> Fencing/Railings/Catwalks: <input checked="checked" type="checkbox"/>			

Additional Comments:

N= Noted; P= Photo; M= Monitor	Action Suggestion	1. Requires immediate action
I= Investigate; R= Repair		2. Plan to do soon
F.F.= Field File; RT = Right; LT = Left		3. Do when convenient
U/S = Upstream; D/S = Downstream		

GENERAL (Cont.)

5 Hazard Section					
A. D/S Development Density: <input type="checkbox"/> Distance: MINIMAL DEVELOPMENT DOWNSTREAM Type (Residential, Commercial, Industrial):		<input type="checkbox"/>	<input type="checkbox"/>		
B. Channel Crossing Type: <u>Bridge</u> Ford, Culvert, Trestle, Other (Explain) (Circle One) Dimensions: D/S distance: Traffic Level (Local, CTH, Rail Road, STH, Interstate, etc): S.T.H. 67		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Distance to nearest D/S community/impoundment: Name: 7,300 FEET TO HALE ROAD BRIDGE		<input type="checkbox"/>			
D. Anticipated Hazard (based on landuse and zoning): LOW		<input type="checkbox"/>			
E. Dam Failure Analysis Date Completed/Approved <input type="checkbox"/> Is map available? <input type="checkbox"/> Are map & profile adopted? <input type="checkbox"/> List adoption date: <input type="checkbox"/> Verify validity of failure mode: <input type="checkbox"/> Verify validity of DFA conclusions: <input type="checkbox"/>		<input type="checkbox"/>			
F. Emergency Action Plan		Y	N	Comments, Explanation, and Description	
1. Current plan posted?		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2. Understood by Operator?		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. Warning systems?		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4. Certification of last test?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5. Remote operation?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6. Revision Date?		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7. Habitable structures?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8. Recreation areas?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9. Changed hazard potential?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10. New development?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11. Other comments?		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Additional Comments: 					

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EMBANKMENTS

Description: EARTHEN EMBANKMENTS		Action			
Item	N	P	Location on Embankment and Deficiency		
1 Vegetation:	<input checked="" type="checkbox"/>		No problem		
A. Trees Quantity (<5, sparse, dense): Diameter: Location:	<input type="checkbox"/>	<input type="checkbox"/>	SPARSE, TREES LOCATED AT THE END OF THE DOWNSTREAM WINGWALLS 15" AND SMALLER		
B. Brush Quantity (sparse, dense): Location:	<input type="checkbox"/>	<input type="checkbox"/>	SPARSE, BRUSG LOCATED AT THE END OF THE DOWNSTREAM WINGWALLS		
C. Ground cover Type (grass, crown vetch, other): Quantity (bare, sparse, adequate, dense): Appearance (too tall, too short, good):	<input type="checkbox"/>	<input type="checkbox"/>	RIPRAP WITH ASPHALT AT THE TOP OF THE EMBANKMENT		
2 Erosion	<input checked="" type="checkbox"/>		No problem	Not applicable	Could not inspect
A. Wave erosion (Beaching): Scarp: Length/ Width: Location:	<input type="checkbox"/>	<input type="checkbox"/>	NO WAVE EROISION NOTICED		
B. Runoff Erosion (Gullies) Quantity: Length/ Width/ Depth: Location:	<input type="checkbox"/>	<input type="checkbox"/>	SOME RUNOFF EROISION FROM S.T.H. 67		
3 Instabilities			No problem	Not applicable	Could not inspect
A. Slides Transverse: Longitudinal: Scarp: Length/ Width: Crack Length/ Width:	<input type="checkbox"/>	<input type="checkbox"/>	NONE		
B. Cracks: Transverse: Longitudinal: Length/ Width/ Depth: Location: Other:	<input type="checkbox"/>	<input type="checkbox"/>	NONE		
C. Bulges/ Depressions Size: Height/ Depth:	<input type="checkbox"/>	<input type="checkbox"/>	NONE		
D. Slope (Too Steep) U/S, D/S	<input type="checkbox"/>	<input type="checkbox"/>	NONE		

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Additional Comments:

EMBANKMENTS (Cont.)

Item	N	P	Notes/ Observations			Action		
						M	I	R
4 Slope Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
A. Type (none, riprap, wave berm, concrete slabs, loose formed concrete/asphalt):	<input type="checkbox"/>	<input type="checkbox"/>	RIP RAP					
B. Condition:	<input type="checkbox"/>	<input type="checkbox"/>	IN GOOD CONDITION					
5 Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
A. Rodent burrows (few, many) Location:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					
B. Ruts Length/ Width/ Depth: Location:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					
C. Other	<input type="checkbox"/>	<input type="checkbox"/>						
6 Alignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
A. Vertical Low area: Elevation Difference: Location:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					
B. Horizontal	<input type="checkbox"/>	<input type="checkbox"/>	NONE					
C. Width Too narrow: Location:	<input type="checkbox"/>	<input type="checkbox"/>	ROADWAY (S.T.H. 67) GOOD					
7 Toe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
Cracks/Slumps: Embankment drains: Type/Flow: Location: Seepage/ Wetness: Hummocky:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					
8 Seepage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
Wet area: Boil: Sinkhole: Aquatic vegetation: Rust colored deposits: Other: Sediment in Flow: Flowrate: Location:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					

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Action Suggestion

1. Requires immediate action
2. Plan to do soon
3. Do when convenient

Additional Comments:

SPILLWAY--PRINCIPAL - FIXED CREST							Action		
Item	N	P	Notes/ Observations				M	I	R
1 Fixed Crest	<input checked="" type="checkbox"/>		No problem		Not applicable	Could not inspect			
A. Dimensions Top Width:		<input checked="" type="checkbox"/>	30' SOUTH AND 30' NORTH						
B. Materials									
C. Shape (sharp-crested, broad-crested, ogee, chute, gated, overflow, morning glory, dropbox, labyrinth)			BROAD CRESTED						
D. Debris Prevention (racks, booms, etc.):			NONE						
E. Concrete Condition *			OK. INVESTIGATE EXPOSED IRON ON BACK OF SOUTH SPILLWAY					<input checked="" type="checkbox"/>	
F. Flashboards (none, number): Type (Metal, wood): Dimensions: Operability:			NONE						
G. Abutments Condition: * Seepage/wetness:			GOOD						
H. Drains Type: Weep holes, Relief drains, Other: Flow Rate:			No problem		Not applicable	Could not inspect			
I. Other									
N= Noted; P= Photo; M= Monitor I= Investigate; R= Repair F.F.= Field File; RT = Right; LT = Left U/S = Upstream; D/S = Downstream			Action Suggestion Controlled = Gated			1. Requires immediate action 2. Plan to do soon 3. Do when convenient Uncontrolled = Overflow			
Additional Comments:									
* Type of Concrete Problems: Spalling, cracks, exposed rebar, misalignment, joints, bug holes, efflorescence, popouts, honeycombing, scaling, craze/map cracks, isolated crack, disintegration, other									
Dam Name: NEOSHO DAM			F.F.#: 14.14			Date: 7-13-2022			6 of 8

SPILLWAY-PRINCIPAL - GATES				Action		
Item	N	P	Notes/ Observations	M	I	R
1 Gates	<input checked="" type="checkbox"/>		No problem			
A. Types (lift/slide, tainter(radial), stoplogs, leaf, roller, flashboards, needles, other): Number and Size:	<input checked="" type="checkbox"/>		TAINTER CORROSION ON GATE 1			
B. Stoplogs Dimensions: Condition:			N/A			
C. Abutments Condition: * Seepage/wetness:	<input checked="" type="checkbox"/>		GOOD CONDITION			
D. Piers (number, shape) Condition: *	<input checked="" type="checkbox"/>		2 PIERS, BOTH HAVE MINOR SURFACE SPALLING/ CRACKING.	<input checked="" type="checkbox"/>		
E. Operability Type of Operator: Condition(chain, cables,hoists): Security(locked?): Backup Operator:	<input checked="" type="checkbox"/>		CABLE AND CRANK			
F. Access			BRIDGE DECK FROM STH 67			
G. Condition Rust: Seals (leakage):	<input checked="" type="checkbox"/>		GATE IS RUSTING IN SPOTS			
H. Ice protection Type (Heaters, Bubblers, Barriers, Other)			N/A			
I. Debris Prevention (Rack, boom, etc.)			N/A			
J. Condition of Flowway			GOOD			
K. Drains Type (Weep holes/ Relief drains/ Other): Flow rate: Location:			N/A			
L. Other						

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Action Suggestion 1. Requires immediate action
2. Plan to do soon
3. Do when convenient

Controlled = Gated **Uncontrolled = Overflow**

Additional Comments and/or Sketch:

* **Type of Concrete Problems:** Spalling, cracks, exposed rebar, misalignment, joints, bug holes, efflorescence, popouts, honeycombing, scaling, craze/map cracks, isolated crack, disintegration, other

SPILLWAY--PRINCIPAL - OUTLET EROSION CONTROL & UNDERMINING

Item	N	P	Notes/ Observations			Action		
						M	I	R
1 Outlet Erosion Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
A. Type (none, endwall, plunge pool, energy dissipation structure rock lined channel, apron)			ENERGY DISSIPATION STRUCTURE					
B. Scour	<input type="checkbox"/>	<input type="checkbox"/>						
C. Material	<input type="checkbox"/>	<input type="checkbox"/>						
a. Riprap: Avg Diameter: Condition (adequate, sparse, displaced, weathered): Bedding fabric- (Yes/ No):			1 + FEET GOOD					
b. Concrete * Dimensions/Location:			CONCRETE APRON IS IN GOOD SHAPE					
D. Sidewall/Headwall	<input type="checkbox"/>	<input type="checkbox"/>						
Misalignment: Location: Description:			GOOD CONDITION					
E. Separated Joint / Loss of Joint Material:	<input type="checkbox"/>	<input type="checkbox"/>						
Location: Description:			N/A					
F. Natural	<input type="checkbox"/>	<input type="checkbox"/>						
			N/A					
2 Undermining	<input type="checkbox"/>	<input type="checkbox"/>	No problem	Not applicable	Could not inspect			
Location: Description:	<input type="checkbox"/>	<input type="checkbox"/>	NONE					

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U/S = Upstream; D/S = Downstream Controlled = Gated Uncontrolled = Overflow

Additional Comments:

* **Type of Concrete Problems:** Spalling, cracks, exposed rebar, misalignment, joints, bug holes, efflorescence, popouts, honeycombing, scaling, craze/map cracks, isolated crack, disintegration, other



Village of Neosho, Dodge Co
Neosho Dam Inspection Photo Log

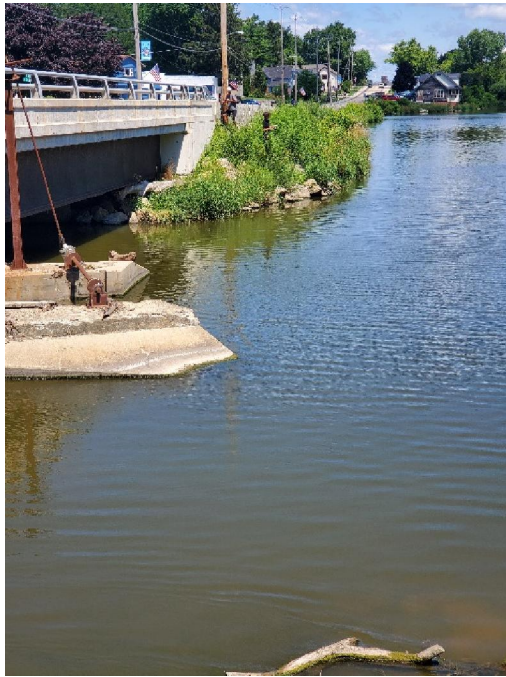
Date of Inspection & Photos 7/12/2022

Key Sequence # MM/DD/YYYY Photo# Discription

Key Sequence #	MM/DD/YYYY	Photo#	Discription
1077	7/12/2022	1	North upstream embankment
1077	7/12/2022	2	South spillway, upstream view
1077	7/12/2022	3	South spillway, overhead view
1077	7/12/2022	4	South spillway abutment
1077	7/12/2022	5	Overhead view of tainter gate
1077	7/12/2022	6	Tainter gate itself
1077	7/12/2022	7	Tainter Gate, North pin corrosion at North point
1077	7/12/2022	8	Overhead view of south pier
1077	7/12/2022	9	Overhead view of north pier
1077	7/12/2022	10	Upstream view of north abutment
1077	7/12/2022	11	Upstream view of north spillway
1077	7/12/2022	12	Upstream north embankment
1077	7/12/2022	13	Upstream north embankment
1077	7/12/2022	14	Downstream view of south spillway and abutment
1077	7/12/2022	15	Downstream view of tainter gate
1077	7/12/2022	16	downstream view of north abutment
1077	7/12/2022	17	Overhead view of south abutment
1077	7/12/2022	18	Look downstream fro bridge over dam

Key Sequence #1077

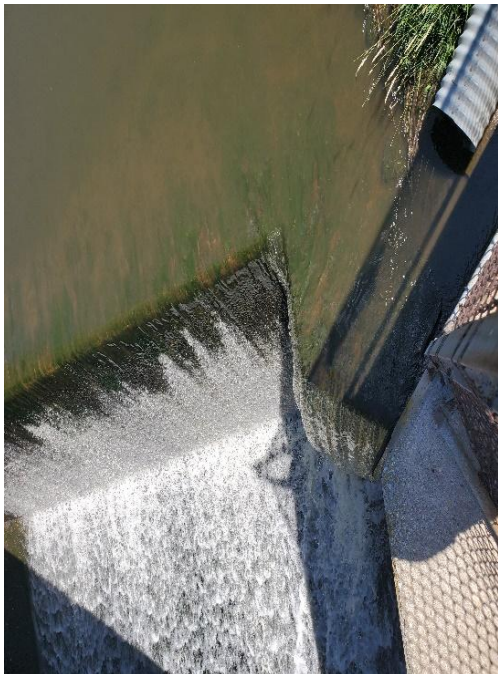
Neosho (Mill Pond) Dam



0107707122022 1



0107707122022 2



0107707122022 3



0107707122022 4

Key Sequence #1077

Neosho (Mill Pond) Dam



0107707122022 6



0107707122022 7



0107707122022 8



0107707122022 9

Key Sequence #1077

Neosho (Mill Pond) Dam



0107707122022 10



0107707122022 11



0107707122022 12



0107707122022 13

Key Sequence #1077

Neosho (Mill Pond) Dam



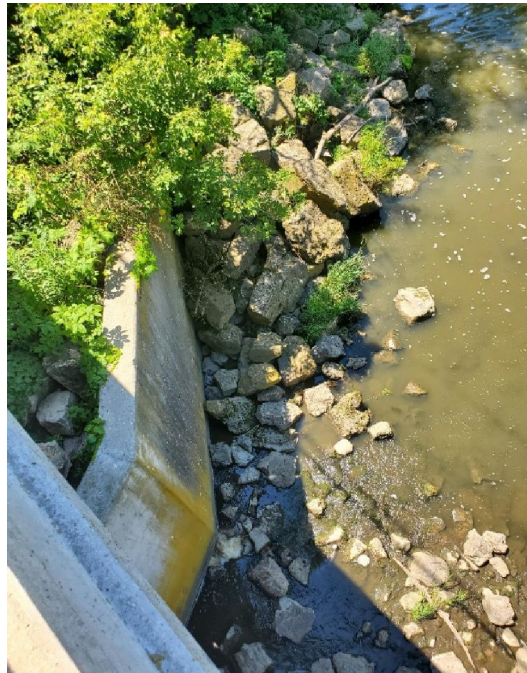
0107707122022 14



0107707122022 15



0107707122022 16



0107707122022 17

Key Sequence #1077

Neosho (Mill Pond) Dam



0107707122022 18