

City of Brookings
WORKSHOP Agenda

CITY COUNCIL

Monday October 3, 2022, 4:00 PM

City Hall EOC, 888 Elk Drive, Brookings, OR 97415

A. Call to Order

B. Roll Call

C. Topics

1. Update on Sound Ordinance [Pg. 1]
 - a. BMC Sections – 8.15.015 Policy, 8.15.080 Noise preventions, 1.05.010 General penalty [Pg. 2]
 - b. ORS Sections – 815.025 Causing unreasonable noise with vehicle, 815.250 Operating without proper exhaust system [Pg. 5]
2. Dam Removal Proposal [Pg. 10]
 - a. OWRD June 2022 Dam Inspection Summary [Pg. 12]

D. Council Member Requests for Workshop Topics

E. Adjournment

All public City meetings are held in accessible locations. Auxiliary aids will be provided upon request with at least 72 hours advance notification. Please contact 469-1102 if you have any questions regarding this notice.

CITY OF BROOKINGS

COUNCIL WORKSHOP REPORT

Meeting Date: October 3, 2022

Originating Dept: Development Services
and Public Safety

Signature (submitted by)

City Manager Approval

Subject:

Noise Prevention Ordinance Review

Background/Discussion:

A resident addressed the City Council during the public comment portion of the September 12 meeting concerning our noise prevention ordinance and the lack of enforcement. The resident resides on Chetco Avenue and has been experiencing unusually loud vehicles passing by his home.

BMC 8.15.080 provides, in part that:

“The use of any automobile or other vehicle, engine stationary or moving instrument, device or thing so out of repair or used in such manner as to create a loud or unnecessary grating, grinding, rattling or other such noise”.

The term “loud or unnecessary” is not defined. How can this be quantified and documented for the purposes of enforcement?

ORS 815.025 provides, in part:

“A person commits the offense of causing unreasonable noise with a vehicle if the person operates upon any highway any motor vehicle so as to cause any greater noise or sound than is reasonably necessary for the proper operation of the vehicle.”

Again, the term “unreasonable noise” is used, but is not defined.

ORS 815.250 is more clearly defined, but the testing procedure prescribed in the 96-page DEQ manual basically requires the test to be performed in laboratory conditions.

The Brookings Police Department is doing its best to enforce these provisions within the parameters of available manpower and evidentiary requirements when presenting these cases to court. Police Officers have recently been posted in the vicinity of Highway 101 and Heather Lane for periods of 40 minutes specifically to observe for vehicles that were emitting “unreasonable, loud or unnecessary noise” and found no clear violations. The School Resource Officer is contacting students at Brookings Harbor High School to counsel them regarding this matter. The Police Department also recently cited four drivers for “speed racing”...essentially,

for revving their engines...and three of the four were fined \$200.00 each in Municipal Court (a fourth has not yet appeared).

The City Manager posted a question concerning this matter on the Oregon City/County Management Association list serve. No one had a "solution" or could cite a state or local ordinance that they considered enforceable.

Enforcement of any vehicle related moving violation is based largely upon opportunity. Not every driver who violates the posted speed limit or rolls through a STOP intersection, or exceeds the posted speed limit receives a citation. Enforcement is generally based open opportunity and the egregious nature of the violation.

In the past, City staff has conferred with local truck operators concerning vehicle noise, and this has resulted in mitigating this element of the issue.

According to the local office of the Oregon State Police (OSP), they do not actively enforce either of those ORS sections referenced above as it is too difficult to establish the unreasonableness of noise. They address unreasonable noise through the Speed Racing statute or not having a muffler at all.

Council directed staff to review our noise prevention ordinance and any ORS sections regarding this subject.

Attachments:

- a. BMC sections – 8.15.015 Policy, 8.15.080 Noise prevention, 1.05.010 General penalty
- b. ORS sections - 815.025 Causing unreasonable noise with vehicle, 815.250 Operating without proper exhaust system

8.15.015 Policy.

It is expressly found and determined by the city of Brookings that the conditions and objects specifically enumerated within this chapter do, in one or more particulars, constitute a public nuisance by promoting blight, deterioration, unsightliness, plundering, fire hazards, flood hazards, hazards to the health and safety of minors, disruption of the public peace, harborage for rodents, insects and vermin, and other circumstances generally injurious or detrimental to the health, safety and general welfare of the inhabitants and occupants of the city of Brookings. [Ord. 20-O-793 § 2 (Exh. A); Ord. 18-O-773 § 2 (Exh. A).]

8.15.080 Noise prevention.

A. It shall be unlawful for any person to create, assist in creating, permit, continue, or permit the continuation of any unreasonably loud, disturbing, or unnecessary noise; and further, no person shall conduct or maintain any condition, activity, operation, vocation or avocation which causes unreasonably offensive noise to either the neighborhood or the public at large. In the case of noise that is generated due to an activity that is permitted within the zone, specifically in the case of industrial or manufacturing zones, such noise shall not be deemed unreasonably offensive.

B. The following acts are declared to be violations of this chapter, but said enumeration shall not be deemed to be exclusive:

1. The use of any automobile or other vehicle, engine, stationary or moving instrument, device or thing so out of repair or used in such manner as to create a loud or unnecessary grating, grinding, rattling or other such noise;
2. The sounding of any horn or signaling device on any automobile or other vehicle on any street or public place, except as a necessary warning of danger to property or persons or as so used on emergency equipment;
3. Entertainment devices used in an abusive manner for the creation of prolonged and excessively loud noise;
4. The use of an electrical, mechanical or other device, apparatus, instrument or machine that causes interference with radio or television reception by radio or television receiver of good engineering design unless said device or apparatus is duly licensed, approved and operated under the rules and regulations of the Federal Communications Commission;

5. Any person who operates powered construction equipment; erects, constructs, demolishes, excavates for; alters or repairs any building, structure, roadway or utility within the city in such a manner as to cause noise to be received beyond the boundaries of the property on which the construction work is occurring shall comply with the following:

- a. Except for the pouring of concrete and roofing, no construction work shall be performed before 7:00 a.m. or after 7:00 p.m. on weekdays.
- b. Except for the pouring of concrete and roofing, no construction work shall be performed before 8:00 a.m. or after 7:00 p.m. on weekends or holidays.
- c. Provided, however, that in case of urgent necessity, permission may be granted by the city manager for construction activities to occur during otherwise proscribed hours. [Ord. 20-O-793 § 2 (Exh. A); Ord. 11-O-686 § 2; Ord. 10-O-674 § 2; Ord. 07-O-591 § 2; Ord. 86-O-406 § 9.]

1.05.010 General penalty.

A. Violations. Every offense is a violation which may be punished by a fine up to \$720.00; provided, that where Oregon statutes impose a lesser penalty for the same offense, then the lesser penalty shall apply. Each day or part of a day for which a violation is committed or persists is a separate offense.

B. Administrative Enforcement. Where a chapter of this code provides that enforcement shall be through an administrative process, the provisions for administrative procedures shall apply rather than this section.

C. Equitable and Other Remedies Preserved. Nothing in this section prohibits the city seeking equitable relief or damages in addition to judicial or administrative enforcement of its ordinances. [Ord. 09-O-644 § 2; Ord. 07-O-592 § 2; Ord. 06-O-572 § 2.]

815.025 Causing unreasonable noise with vehicle; penalty.

- (1) A person commits the offense of causing unreasonable noise with a vehicle if the person operates upon any highway any motor vehicle so as to cause any greater noise or sound than is reasonably necessary for the proper operation of the vehicle.
- (2) The offense described in this section, causing unreasonable noise with a vehicle, is a Class D traffic violation. [1983 c.338 §438; 1987 c.158 §171; 1995 c.383 §22]

815.250 Operation without proper exhaust system; exemptions; penalty.

- (1) A person commits the offense of operation without proper exhaust system if the person drives or moves on any highway or owns and causes or knowingly permits to be driven or moved on any highway a motor vehicle that is not equipped with an exhaust system that meets the requirements under this section.
- (2) An exhaust system only meets the requirements of this section if all of the following apply:
 - (a) The exhaust system must be in good working order.
 - (b) The exhaust system must be in constant operation.
 - (c) The exhaust system must meet noise emission standards determined by the

Department of Environmental Quality to be substantially equivalent to the following standards based upon a stationary test conducted at a distance of 25 feet in accordance with procedures established by the Department of Environmental Quality:

Maximum level, Model, Vehicle type	dB	Year	I. Motor vehicles required to establish a registration weight under ORS 803.430 and commercial buses	94.....	before 1976	91.....	1976 and after	II. Motorcycles and mopeds	94.....	before 1976	91.....	1976 89.....	after 1976	III. Motor vehicles not described under I or II	92.....	before 1976	88.....	1976 and after
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(3) This section does not apply to the following vehicles: (a) Vehicles of special interest that are registered under ORS 805.020 and that are: (A) Equipped with original manufacturer's equipment and accessories, or their equivalent, and that are maintained in safe operating condition; or (B) Street rods that conform to ORS 815.107. (b) Road machinery, road rollers or farm tractors. (c) Antique vehicles that are maintained as collectors' items and used for exhibitions, parades, club activities and similar uses, but not used primarily for the transportation of persons or property. (4) The court in its discretion may dismiss a citation issued for violation of the offense described in this section if evidence is presented that the exhaust system complies with or has been repaired or modified to comply with the requirements under this section. (5) The offense described in this section, operation without proper exhaust system, is a Class C traffic violation. [1983 c.338 §496; 1985 c.16 §257; 1985 c.393 §23; 1997 c.402 §15; 2015 c.138 §34]

(b) Owns a vehicle and causes or knowingly permits the vehicle to be driven or moved on any highway when the vehicle is in such unsafe condition as to endanger any person.

(2) The offense described in this section, operation of an unsafe vehicle, is a Class B traffic violation. [1983 c.338 §437]

815.025 Causing unreasonable noise with vehicle; penalty. (1) A person commits the offense of causing unreasonable noise with a vehicle if the person operates upon any highway any motor vehicle so as to cause any greater noise or sound than is reasonably necessary for the proper operation of the vehicle.

(2) The offense described in this section, causing unreasonable noise with a vehicle, is a Class D traffic violation. [1983 c.338 §438; 1987 c.158 §171; 1995 c.383 §22]

AUTHORITY TO ESTABLISH STANDARDS

815.030 State vehicle equipment standards. (1) The Department of Transportation shall adopt and enforce minimum standards for vehicle performance or vehicle equipment performance consistent with this section.

(2) Standards adopted by the department under this section shall be consistent with any vehicle standards established under federal regulations or under standards of the Society of Automotive Engineers, the American National Standards Institute or the National Institute of Standards and Technology.

(3) As federal regulations concerning vehicle equipment are subsequently amended or repealed the department may consider subsequent federal vehicle safety standards and adopt standards with respect to any vehicle or item of vehicle equipment applicable to the same aspect of performance of such vehicle or item of equipment if the department determines that the subsequent federal standards are practicable, provide an objective standard and meet the need for vehicle safety.

(4) Standards adopted by the department under this section supersede any equipment provision of the vehicle code applicable to the same aspect of performance that conflicts with a specific provision of a standard adopted by the department under this section with respect to compliance with safety standards in effect at the time of sale.

(5) The department shall continue to adopt equipment standards as required under other sections of the vehicle code if there is no standard under this section.

(6) Proof of certification of equipment under this section may be in the form of a symbol or designation prescribed in federal standards or if there is no federal symbol or designation, by a symbol or designation acceptable to the department.

(7) Compliance with any requirements for equipment under this section is subject to ORS 815.010.

(8) Prohibitions and penalties relating to the standards established under this section are provided under ORS 815.075 and 815.100. [1983 c.338 §439; 1985 c.188 §1; 2003 c.158 §2]

815.035 Rules for standards for roadside warning devices. The Department of Transportation shall adopt rules to establish standards for roadside vehicle warning devices for purposes of ORS 811.530 and 815.285. The rules shall include requirements for the placement and use of such warning devices to provide warning of disabled vehicles. [1985 c.16 §230]

section, "image display device" means equipment capable of displaying to the driver of a motor vehicle:

- (a) A broadcast television image; or
- (b) A visual image from a digital video disc or video cassette player.

(2) Except as provided in subsection (3) of this section, a person commits the offense of unlawful use of an image display device if the person drives or moves on any highway, or owns and causes or knowingly permits to be driven or moved on any highway, any motor vehicle equipped with any image display device that is displaying a broadcast television image or a visual image from a digital video disc or video cassette player that is visible to the driver while operating the motor vehicle.

(3) Subsection (2) of this section does not apply to:

- (a) Emergency vehicles; or
- (b) Use of image display devices that are displaying images for navigational purposes.

(4) The offense described in this section, unlawful use of an image display device, is a Class B traffic violation. [1983 c.338 §494; 1985 c.69 §4; 2005 c.572 §1]

(Clearance)

815.245 Violation of minimum clearance requirements for passenger vehicles; penalty.

(1) A person commits the offense of violation of minimum clearance requirements for passenger vehicles if the person drives or moves on any highway or owns and causes or knowingly permits to be driven or moved on any highway any passenger motor vehicle that does not have the clearance from the surface of the roadway required by this section.

(2) A vehicle does not have the clearance from the surface of the roadway required by this section if any portion of the vehicle, other than the wheels, has less clearance from the surface of a level roadway than the clearance between the roadway and the lowest portion of any rim of any wheel in contact with the roadway.

(3) The offense described in this section, violation of minimum clearance requirements for passenger vehicles, is a Class B traffic violation. [1983 c.338 §495]

(Exhaust System)

815.250 Operation without proper exhaust system; exemptions; penalty. (1) A person commits the offense of operation without proper exhaust system if the person drives or moves on any highway or owns and causes or knowingly permits to be driven or moved on any highway a motor vehicle that is not equipped with an exhaust system that meets the requirements under this section.

(2) An exhaust system only meets the requirements of this section if all of the following apply:

- (a) The exhaust system must be in good working order.
- (b) The exhaust system must be in constant operation.
- (c) The exhaust system must meet noise emission standards determined by the Department of Environmental Quality to be substantially equivalent to the following standards based upon a stationary test conducted at a distance of 25 feet in accordance with procedures established by the Department of Environmental Quality:

	Maximum level, Vehicle type	Model, dBA	Year
I.	Motor vehicles required to establish a registration weight under ORS 803.430 and commercial buses	94.....	before 1976
		91.....	1976 and after
II.	Motorcycles and mopeds	94.....	before 1976
		91.....	1976
		89.....	after 1976
III.	Motor vehicles not described under I or II	92.....	before 1976
		88.....	1976 and after

(3) This section does not apply to the following vehicles:

(a) Vehicles of special interest that are registered under ORS 805.020 and that are:

(A) Equipped with original manufacturer's equipment and accessories, or their equivalent, and that are maintained in safe operating condition; or

(B) Street rods that conform to ORS 815.107.

(b) Road machinery, road rollers or farm tractors.

(c) Antique vehicles that are maintained as collectors' items and used for exhibitions, parades, club activities and similar uses, but not used primarily for the transportation of persons or property.

(4) The court in its discretion may dismiss a citation issued for violation of the offense described in this section if evidence is presented that the exhaust system complies with or has been repaired or modified to comply with the requirements under this section.

(5) The offense described in this section, operation without proper exhaust system, is a Class C traffic violation. [1983 c.338 §496; 1985 c.16 §257; 1985 c.393 §23; 1997 c.402 §15; 2015 c.138 §34]

(Speedometer)

815.255 Operation of vehicle for hire without speedometer; exemptions; penalty. (1) A person commits the offense of operation of a vehicle for hire without a speedometer if the person drives or moves on any highway or owns and causes or knowingly permits to be driven or moved on any highway a motor vehicle used for carrying passengers for hire that is not equipped with a speedometer or other registering device capable of registering accurately the speed at which the vehicle is operated.

(2) This section is subject to the following exemptions in addition to any exemptions under ORS 801.026.

(a) A motor vehicle equipped with a governor or other regulating device to control its speed within the limits specified by law is not required to be equipped as this section specifies.

(b) Vehicles of special interest that are registered under ORS 805.020 are deemed in compliance with the requirements of this section if:

(A) The vehicles are equipped with original manufacturer's equipment and accessories, or their equivalent, and maintained in safe operating condition; or

(B) The vehicles are street rods that conform to ORS 815.107.

(c) Antique vehicles are exempt from the requirements of this section if the vehicles are maintained as collector's items and used for exhibitions, parades, club activities and similar uses, but not used primarily for the transportation of persons or property.

(3) The offense described in this section, operation of a vehicle for hire without a speedometer, is a Class C traffic violation. [1983 c.338 §497; 1985 c.393 §24; 1997 c.402 §16; 2015 c.138 §35]

(Disposal System)

815.260 Operation of recreational vehicle with unsealed disposal system; exemption; penalty. (1) A person commits the offense of operation of a recreational vehicle with unsealed disposal system if:

(a) The person has the use, possession or control of any vehicle or structure constructed for movement on highways;

(b) The vehicle or structure is equipped with a plumbing, sink or toilet fixture; and

(c) The disposal system for the vehicle or structure is unsealed or uncapped while the vehicle or structure is in any way or place of whatever nature open to the use of the public.

(2) For purposes of this section, a way or place open to the use of the public includes, but is not limited to, highways, roads, streets, alleys, lanes, trails, beaches, parks and recreational use areas owned or operated by the state, a county or local municipality for use by the general public.

(3) This section does not apply to disposal systems being discharged into or connected with a sewage disposal system approved by the Oregon Health Authority.

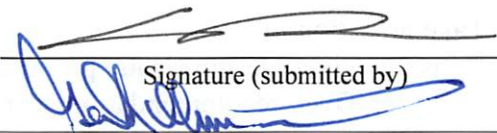
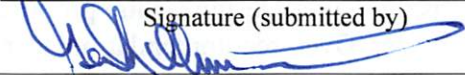
(4) The offense described in this section, operation of a recreational vehicle with unsealed disposal system, is a Class C traffic violation. [1983 c.338 §498; 1985 c.16 §258; 1985 c.393 §25; 2009 c.595 §1147]

CITY OF BROOKINGS

COUNCIL WORKSHOP REPORT

Meeting Date: October 3, 2022

Originating Dept: PW/DS


Signature (submitted by)

City Manager Approval

Subject:

Ferry Creek Dam Removal

Background/Discussion:

Ferry Creek Dam is located on Ferry Creek, a tributary to the Chetco River. The earthen dam is 45 feet tall and forms a reservoir that historically served as a drinking water source for the City of Brookings. The reservoir has not been used in the last 30 years and the Oregon Water Resources Department (OWRD) designated the dam as a HIGH HAZARD in 2015 due to the potential impacts to downstream landowners and the likelihood of failure. River Design Group (RDG) was retained by OWRD to develop a dam removal plan, cost estimate, and documents to provide the City of Brookings if they desire to remove the dam. RDG has performed field work that included a reservoir bathymetric survey, site survey of the dam and surrounding environment. A dam removal plan has been developed using standard construction techniques and equipment that are routinely utilized for similar projects. The dam removal plan keeps all materials on site and creates a stable, natural channel and safe area for future access and users.

The Dyer Partnership developed a feasibility study in 2018 which is available on the city's website at <https://www.brookings.or.us/ArchiveCenter/ViewFile/Item/592>. The 271 page document explores five alternatives:

1. No action
2. Complete dam removal (\$2,946,130)
3. Re-Alignment and expansion of Ferry Creek Dam. Relocation of spillway (\$8,815,000)
4. Re-Alignment of Ferry Creek Dam (\$7,710,000)
5. Remove existing dam and build a roller compacted concrete (RCC) dam (between \$11-\$16 Million)

Dyer recommended alternative 3 due to the projects ability to provide redundancy in our water system, provide nearly one mile of fish habitat along Ferry Creek, deliver streamflow augmentation during summer months and remove the threat of dam failure in the future.

At the conclusion of the Dyer feasibility study in 2018 staff recommended alternate 1, no action based on the cost of the recommended alternative and to put any dam project on hold until federal funding would be available to assist with the project. OWRD and RDG believes the cost of

alternative 2 could be significantly reduced with the materials being placed on site as they are exploring that option.

Upon the conclusion of the River Design Group presentation today and further council discussion, staff is seeking direction on action moving forward:

1. Take no action
2. Consider River Design Group proposal for dam removal.
3. Consider Dyer recommendation to restore the dam and develop as a redundant water supply.

Attachments:

- a. OWRD June 2022 Dam Inspection Summary



Oregon

Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

June 17, 2022

Tony Baron,
Public Works & Developmental Services Director
City of Brookings
898 Elk Dr.
Brookings, OR 97415

Re: Ferry Creek Dam (F-25) – Inspection Summary

This dam was inspected on March 3, 2022. I performed the inspection with State Engineer Tony Janicek. You were also there for the inspection. The Water Resources Department conducts routine inspections of the dam's exterior surfaces to identify conditions that might affect the safety of the dam. Dams are assigned a hazard rating based on downstream hazard to people and property, not on the condition of the dam. Ferry Creek Dam is classified as a high hazard dam. High hazard dams are typically inspected every year.

Summary: Results of the inspection are summarized in the table below. Detail regarding the inspection can be found in the following photos and text. Where work is needed, additional information can also be found in the section below. Any aspects of the dam that did not present a dam safety concern are not discussed in this letter.

Category	Inspected	Result
Access	<input checked="" type="checkbox"/>	Adequate
Reservoir	<input checked="" type="checkbox"/>	Adequate
Spillway	<input checked="" type="checkbox"/>	Deficient
Seepage/Leakage	<input checked="" type="checkbox"/>	None
Conduit	<input checked="" type="checkbox"/>	Deficient
Embankment	<input checked="" type="checkbox"/>	Deficient
Instrumentation/Monitoring	<input checked="" type="checkbox"/>	None
Emergency Action Plan	<input checked="" type="checkbox"/>	Adequate

Details & Recommendations:

We observed a gully in an area that had previously been covered by vegetation. It indicates some overtopping in the past (before 2014).

The spillway was flowing and the reservoir level was 4.3 feet below the dam crest at the time of the inspection. The recent minimum freeboard about 3.5 feet below the crest, which is a great improvement.

Reservoir

Erosion gully formation was observed on the downstream side of the embankment, which appears to be the result of an overtopping event. Insufficient freeboard increases the chances of a dam overtopping which may result in damage to, or catastrophic failure of, the dam. Graded material can be added to the top of the dam to increase the available freeboard.



Erosion likely caused by dam overtopping in the past

Spillway

The concrete-lined spillway is deteriorating due to uphill slope movement, which may result in the blocking the spillway with debris during a slope failure. The spillway approach channel is also overgrown with cattails. Debris or vegetation in the spillway has the potential to obstruct the spillway and reduce its ability to handle flood flows.



Concrete-lined spillway deteriorating from uphill slope movement



Spillway approach channel overgrown with Cattails

Conduit

There are multiple conduits on the dam. There has been no operation of these conduits for many years. They may still function for drainage of the reservoir, and would need to be operational for rehabilitation or removal of the dam.



Multiple conduits

Corrective Action Progress:

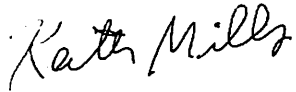
Continue to address the Corrective Actions as sent to the City on April 12, 2021. Thank you for meeting with us and initiating actions to evaluate options including removal of the dam. As provided in Oregon Revised Statute 540.467, you have the opportunity to meet with the Department to discuss the results of this inspection and the maintenance actions described above. We will continue to work with you and the engineers conducting the engineering analysis of options including removal.

Please note that if any work is to be completed on the dam or surrounding areas which either directly or indirectly impacts the reservoir, downstream waterway quality, or fish passage, other state and federal agencies may have permit requirements or regulations for this work.

This dam has major dam safety issues and is in Unsatisfactory condition. Please continue work to address the major dam safety issues identified above.

We use a standard inspection form, and a copy of the field inspection sheet for this dam is attached. Thanks again for meeting with us. Please let me know if you have any questions about this inspection. We look forward to future inspections of this dam.

Sincerely,

A handwritten signature in black ink that reads "Keith Mills". The signature is written in a cursive, flowing style.

Keith Mills, P.E.
Senior Dam Safety Engineer
(541)706-0849

C: Tony Janicek Ph.D., P.E., State Engineer
Dam Safety File F-25



Oregon Dam Safety Inspection Form

Name of Dam: FERRY CREEK			File #: F-25
Height: 65 ft.	Storage: 167 ac. ft.	Permit:	NID #: OR00437
High Hazard Dam	Condition Assessment: Unsatisfactory	District: 14	
Date: March 3, 2022	Weather: <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input checked="" type="checkbox"/> Now <input type="checkbox"/> Recently	Prior Inspection: September 22, 2021	
Inspector(s): Keith Mills		Others on Site: Tony Janicek, Bobby Voeks, Arden Babb	
Issues from Prior Inspection:			

Rating Criteria: 5: Exemplary; 4: Adequate; 4-: Minor Maintenance; 3: Maintenance Action Needed; 2: Maintenance Action Neglected; 1: Unsafe Condition

General		Rating
Vehicle Access	<input checked="" type="checkbox"/> All Weather Road <input type="checkbox"/> Dirt Road <input type="checkbox"/> None	4-
Access Control	<input checked="" type="checkbox"/> Gate <input checked="" type="checkbox"/> Locked and Secured <input type="checkbox"/> Fencing <input type="checkbox"/> Signage <input type="checkbox"/> None <input type="checkbox"/> Other	4
Detail:		

Reservoir	Pool Level: 4.3 ft. <input type="checkbox"/> Approximated <input checked="" type="checkbox"/> Measured <input type="checkbox"/> Other <input checked="" type="checkbox"/> Crest <input type="checkbox"/> Gage <input type="checkbox"/> Other	Rating
Minimum Freeboard	Vertical distance from debris line to lowest place on crest: 3.5 ft.	3
Condition	<input checked="" type="checkbox"/> No Issue <input type="checkbox"/> Floating Debris/Trash <input type="checkbox"/> Log Boom <input type="checkbox"/> Unusual Condition <input type="checkbox"/> Other	4
Detail:		

Spillway		Rating
Structure	<input type="checkbox"/> Earth <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Culvert <input checked="" type="checkbox"/> Rock <input type="checkbox"/> Trickle tube <input type="checkbox"/> Other	
Approach Channel	<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Trees/brush <input type="checkbox"/> Debris <input type="checkbox"/> Erosion <input type="checkbox"/> Other	4-
Control Section	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rock <input type="checkbox"/> Soil <input type="checkbox"/> Culvert <input type="checkbox"/> Other <input type="checkbox"/> Unstable	4
Spillway dimensions	Width: ft. Depth: ft. <input type="checkbox"/> Survey Attached	
Flashboards/Gate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> In place <input type="checkbox"/> Operational <input type="checkbox"/> Deteriorated	N/A
Discharge Channel	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trees/brush <input type="checkbox"/> Leakage <input type="checkbox"/> Headcutting feet from spillway control section, depth: feet.) <input type="checkbox"/> None	2
Stilling basin	<input checked="" type="checkbox"/> None <input type="checkbox"/> Functional <input type="checkbox"/> Minor Erosion <input type="checkbox"/> Severe Erosion <input type="checkbox"/> Undercutting <input type="checkbox"/> No Issue	N/A
Aux. Spillway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (use "Detail" box below)	N/A
Detail:	Spillway channel deteriorating due to slope movement some cattails in approach, should be cleared when possible	

Seepage/Leakage		Rating
Serious Conditions	<input checked="" type="checkbox"/> None <input type="checkbox"/> New Seepage <input type="checkbox"/> Leakage <input type="checkbox"/> Piping <input type="checkbox"/> Discolored Water <input type="checkbox"/> Boils <input type="checkbox"/> Other	N/A
Seepage Locations	<input type="checkbox"/> Center <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Around Pipe	
Flow	<input type="checkbox"/> Wet Vegetation <input type="checkbox"/> Spongy <input type="checkbox"/> Standing Water <input type="checkbox"/> Flowing Water	
Toe Drains	<input checked="" type="checkbox"/> None <input type="checkbox"/> Working <input type="checkbox"/> Damaged <input type="checkbox"/> Buried <input type="checkbox"/> Other	N/A
Flow (gpm)/Detail:		

Conduit		Rating
Control	<input checked="" type="checkbox"/> Manual <input type="checkbox"/> Power <input type="checkbox"/> None	2
Inlet	<input checked="" type="checkbox"/> Submerged <input type="checkbox"/> Debris on trash rack <input type="checkbox"/> Deterioration	
Control/Stem	<input type="checkbox"/> Missing <input type="checkbox"/> Operable <input type="checkbox"/> Damaged <input checked="" type="checkbox"/> Inoperable <input type="checkbox"/> Unknown	N/A
Valve(s) Cycling	<input type="checkbox"/> Frozen <input type="checkbox"/> Unknown <input type="checkbox"/> Past Year <input type="checkbox"/> Frequent <input type="checkbox"/> During Inspection	2
Principal Conduit	Diameter/Size: <u>24in.</u> Material: <u>Steel</u> Condition: <u>Severely corroded</u>	2
Primary Outlet	<input type="checkbox"/> Overgrown <input type="checkbox"/> Clean <input checked="" type="checkbox"/> Buried/Obstructed <input type="checkbox"/> Pressurized <input type="checkbox"/> Leaking: gpm	2
Other Outlet(s)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2
Detail:	3 penetrating conduits through dam	

Structure of Dam	<input checked="" type="checkbox"/> Earth <input type="checkbox"/> Rock <input type="checkbox"/> Concrete <input type="checkbox"/> Other	Rating
Detail:		
Deformation	Seismic risk	2
Crest	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> Settlement/Low Spots <input type="checkbox"/> Narrow <input type="checkbox"/> Wave Erosion	4
Erosion	<input checked="" type="checkbox"/> None <input type="checkbox"/> Trampling <input type="checkbox"/> Surface Erosion	3
Aux. Dam (s)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Number:	
Detail:		

Animals		Rating
Evidence	<input checked="" type="checkbox"/> No Evidence <input type="checkbox"/> Trails <input type="checkbox"/> Burrows <input type="checkbox"/> Deep Burrows Max Depth: <u>ft.</u>	4
Locations	Extensive: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Detail:		

Vegetation		Rating
Cover	<input type="checkbox"/> None <input checked="" type="checkbox"/> Low Grass <input type="checkbox"/> High Grass <input checked="" type="checkbox"/> Brush <input type="checkbox"/> Small Trees <input type="checkbox"/> Large Trees	4-
Locations	Impairs Inspection <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4
Detail:	Cattails and blackberries should be removed from DS and US face	

Monitoring		Rating
Instrumentation	<input checked="" type="checkbox"/> None <input type="checkbox"/> Weir <input type="checkbox"/> Piezometer <input type="checkbox"/> Camera <input type="checkbox"/> Reservoir level <input type="checkbox"/> Other	N/A
Monitoring	<input checked="" type="checkbox"/> None <input type="checkbox"/> Continuous <input type="checkbox"/> Frequent <input type="checkbox"/> Past year <input type="checkbox"/> Unknown	N/A

Expedited Re-inspection Needed: No Next Inspection Date: 2023

Emergency Action Plan: Exists: Yes Onsite: No Current: Yes

☐ Maintenance action - First Notice

☐ Maintenance action - Subsequent Inspection with Deficiency

x Corrective action - Unsafe Condition

Other Issues or Additional Detail Needed: