COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 6 - Main Office

Aug 29, 2025

Miranda L Kawcak
Peabody
29515 RCR 27

Subject: Livestock Water Tank Application - Yoast Pond 011A

Dear Miranda,

Our office is in receipt of an application for a Livestock Water Tank (LWT) for the subject dam.

The impoundment is located: unnamed tributary of Grassy Creek

Status of dam construction: has been constructed

Livestock water tanks include all reservoirs created by dams constructed after April 17, 1941, on watercourses, the channels of which are normally dry as determined by the state engineer, having a capacity not exceeding ten acre feet and a vertical height not exceeding fifteen feet from the bottom of the channel to the bottom of the spillway to be used for stock watering purposes. (Section 35-49-103(1) C.R.S.) Only natural runoff on a normally dry water course can be stored in a livestock water tank. No water from any well, spring, live stream, or ditch can be used to fill the tank. Water in the tank may only be used for livestock watering purposes with no additional uses allowed.

Where, in the judgment of the state engineer, tanks upon any stream and its tributaries do not require conduits for purposes of safety or the protection of prior livestock water tank rights, it is lawful for the state engineer to approve an application not calling for conduits. Nothing in this section shall abrogate the right of any owner of a vested water right or appropriation of water to require such conduits in any case where necessary to protect such senior right. (Section 35-49-111 C.R.S.)

Based on the review of the subject application, the status of the dam's low level outlet:

The dam has not been constructed with a low-level outlet

Based on the information provided in the application, the subject dam has not been constructed with a low level outlet. Given the location and drainage on which the dam is located the requirement to install a low level outlet is waived. However, in the event water is being stored in the livestock water tank out of priority, the Division Engineer will require the owner to bypass all out of priority inflow.

Status of the spillway: Existing

Spillway size in feet: 10

The recommended spillway size in feet based in the drainage area is: 8

Spillway size in relation to the drainage area upstream of the dam:
is/will be proper for that recommended for the drainage area upstream of the dam

A copy of the signed LWT application is attached. An electronic copy will be maintained with the Division of Water Resources.

The application has been: Approved

The approval of this dam creates no liability for the State of Colorado should the dam fail for any reason.

Finally, please be aware of any other permitting or regulatory requirements associated with the construction of a water impoundment structure, including but not limited to county and/or municipal regulations, and wetland permitting through the U.S. Army Corps of Engineers (see www.usace.army.mil for regional contact information).

Sincerely

Erin C. H. Light

Erin Light

Division Engineer

COLORADO
Division of Water Resources
Department of Natural Resources

Application for Livestock Water Tank and Erosion Control Dam
DRS-11 (01/2020)

Application Instructions

For Livestock Water Tank Applications:
This application is required per Section 35-49-106, C.R.S. and must be submitted electronically to the State Engineer's Office Online Form Submission Email account DWRPermitsOnline@state.co.us a minimum of 45 days prior to construction. A filing fee of $15.00 is required for Livestock Water Tanks unless the dam vertical height does not exceed 5 feet and the structure impounds less than 2 acre feet of water. After submitting this form to DWRPermitsOnline@state.co.us, you'll be provided with the payment options.
Livestock Water Tanks are regulated and subject to the authority of the State Engineer consistent with sections 35-49-101 through, 116, C.R.S.

For Erosion Control Dam Applications:
This application is required per Section 37-87-122, C.R.S. and must be submitted electronically to the State Engineer's Office Online Form Submission Email account DWRPermitsOnline@state.co.us a minimum of 45 days prior to construction. A filing fee of $15.00 is required for Erosion Control Dam and after submitting this form to DWRPermitsOnline@state.co.us, you'll be provided with the payment options.
Erosion Control Dams are regulated and subject to the authority of the State Engineer consistent with section 37-87-122, C.R.S.

Additional Information:
Additional information, including beginners guides to Livestock Water Tanks and Erosion Control Dams, is available at www.colorado.gov/water

For Official Use Only

Receipt/Priority Number:	19133	WDID:	5715001
Payment Reference Number:	47766		
Date Received:	9/24/24	Date Approved:	
Approver's Signature:	Erin C. H. Light		
Approver's Name:	Erin Light	Approved	

1. Application Type

(●) Livestock Water Tank

Will the structure be used for livestock watering use and no other use? (●) Yes ( ) No

( ) Erosion Control Dam

Will the structure be used to control erosion with no use of the water stored or detained behind the dam? ( ) Yes ( ) No

2. Responsible Parties

First Name	Middle Initial	Last Name	Suffix
Miranda	L	Kawcak	

Name of Company (if applicable): Peabody

Phone Number	Email Address
970 870 2718	mkawcak@peabodyenergy.com

Mailing Address	City	State	Zip Code
29515 RCR 27	Oak Creek	CO	80467

3. Contractor Information

First Name | Middle Initial | Last Name | Suffix

Name of Company

Phone Number | Email Address

Mailing Address | City | State | Zip Code

4. Name of Dam

Yoast Pond 011A

5. Dam Location

To determine the location information, please use the Location Spotter at:
https://dwr.state.co.us/Tools/LocationConverter

Water Division: Division 6 (Steamboat/ Yampa/White Drainage

Water District: 57 - Middle Yampa River

PLSS

Q40	Q160	Section		Township		Range		PM	County
NE	SE	17		5.0	(•) N ( ) S	87	( ) E (•) W	S	Routt

GPS Location

- Point taken should be at the crest of the dam above the streamline/outlet
- Datum should be UTM, NAD 83

Zone	Easting (UTMx)	Northing (UTMy)
Zone 13	316419.78	44737433.5

6. Tank Dimensions

	Vertical Height (ft)[1]	Length (ft)		Width (ft)		Upstream (Horizontal : 1 Vertical)	Downstream (Horizontal : 1 Vertical)
Dam:	14.4'	250'	Crest:	10'	Slopes:	3:1	3:1

[1] Vertical Height is measured from the elevation of the lowest point of the natural surface of the ground or the invert of the outlet conduit (whichever is lower) where that point occurs along the longitudinal centerline of the dam up to the crest of the emergency spillway of the dam.

7. Reservoir

Stream Name or Water Source

The Water Course must be dry 80% of the time to qualify.

Surface Area (acres)	Capacity (acre-feet)	Drainage Area (acres)[1]
0.34	1.82	

[1] If the drainage area is unknown, leave blank and a spillway size will be assigned

8. Emergency Spillway (See Table 1, Spillway Sizing Guidelines)

Bottom Width (ft)	Side Slopes: (Horizontal : 1 Vertical)	Freeboard (ft)[1]	Location relative to embankment (facing downstream)
10'	3:1	3.0'	(•) Left ( ) Right ( ) No Spillway

[1] Freeboard means the vertical dimension between the crest (or invert) of the emergency spillway and the crest of the dam, the minimum is 3 feet.

9. Outlet Conduit

Material Type: Corrugated Metal Pipe

Diameter (inches): 12"

For Livestock Water Tanks

Can all water be drained through a gated or ungated outlet? ( ) Yes (•) No

For Erosion Control Dams

Can water be drained through an ungated outlet leaving no more than 2 acre-feet in storage? ( ) Yes ( ) No

10. Dam Status

( ) Proposed

(•) Existing[1] If existing, when was construction completed? 09/2004

[1]These dams may be subject to modification, alteration, repair, or breach consistent with the authority of the State Engineer.

11. Sign and Enter Name of Responsible Individual or Authorized Agent

- Construction must reasonably comply with the attached standard plans and specifications and the claims made in this application. Dam designs completed by a Professional Engineer and submitted with the application may be accepted as an alternative to the standards. If the State Engineer finds that the construction fails to conform with the application and standards, it is the duty of the owner to make changes the State Engineer determines are necessary.
- The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign or Enter Name(s) of Responsible Individual(s) or Authorized Agent: Miranda Kawcak

Date: 9/26/2024

If Signing Enter Name and Title: Miranda Kawcak, Environmental Manager

COLORADO
Division of Water Resources
Department of Natural Resources

State Engineer Standard Plans and Specifications for Construction of Livestock Water Tank and Erosion Control Dams

- Site Selection
  - Foundation soils should be firm to provide adequate support for the embankment and should have low permeability to allow for water retention. Site selection should consider potential downstream property damage in the event of a dam failure. Construction of dams in boggy areas, areas with non-uniform fractured rock, or sands/gravels is not recommended and an engineer should be hired to evaluate the site conditions. Any part of the reservoir basin excavated below grade cannot expose groundwater.

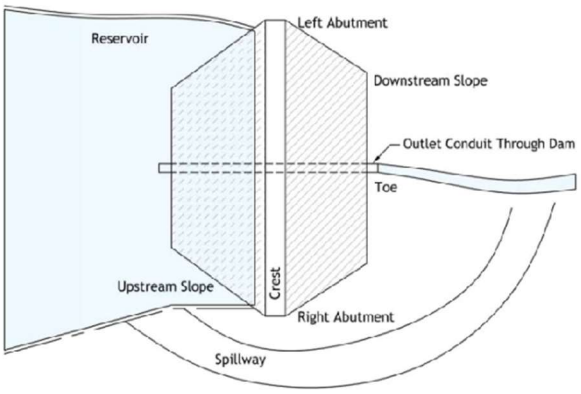
- Embankment Design
  - Backfill material to be used for construction of the cutoff trench and embankment should be a suitable clay material and contain no material larger than 6 inches in diameter.
  - The upstream slope should be constructed with a slope no steeper than 3:1, and the downstream slope should be no steeper than 2:1 (see cross section below). The dam crest should have a minimum width of 10 feet and the surface should be graded with positive drainage toward the reservoir basin.
  - It is recommended that rock rip rap or other suitable material be placed on the upstream slope of the embankment to protect it from wave action. A suitable gravel or geosynthetic material should be placed under the rip rap to prevent fine material from washing out from behind the larger rock.
  - The embankment should be fenced to restrict livestock from accessing the dam since they damage the protective vegetation and increase erosion.

- Embankment Construction
  - The topsoil and all organic material should be removed from the foundation of the proposed dam site. Organic soil should only be reused for placement on the completed embankment to promote the re-growth of vegetation.
  - A cutoff trench should be excavated under the full length of the centerline of the dam with sloping sides (1:1 min.), a minimum bottom width of 3 feet and a depth of 3 feet.
  - The foundation of the dam should be scarified/ripped to a depth of 6-inches to provide proper contact between the native foundation and embankment. This surface should then be moisture treated before placement of fill.
  - Fill material should be placed in layers not exceeding 12 inches in thickness prior to compaction. Suitable backfill material should have enough clay and moisture content to roll a small ball by hand. If this cannot be done, the soil is likely too dry or does not have adequate clay content.
  - Each lift should be thoroughly compacted using a sheeps foot compactor. Care should be taken not to allow the top layers of the soil to dry out between placement of lifts.
  - Fill should be placed in uniform lifts that cover the entire embankment length and width.

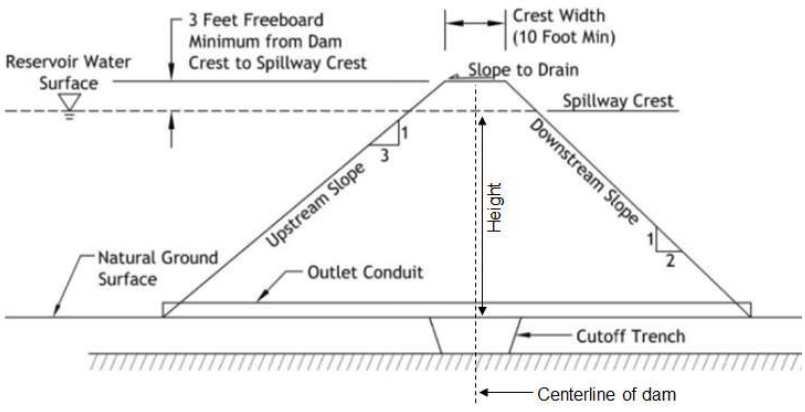
- Outlet
  - A minimum diameter of 12 inches is recommended and should be protected at the upstream end by a trash rack.

- Emergency Spillway
  - The spillway should have sufficient width to provide capacity to route the runoff from the drainage basin above the dam during rainfall/runoff events.
  - A minimum of 3 feet of freeboard is required from the bottom of the emergency spillway to the top of the dam.

- Example Plan View and Cross Section



Plan View



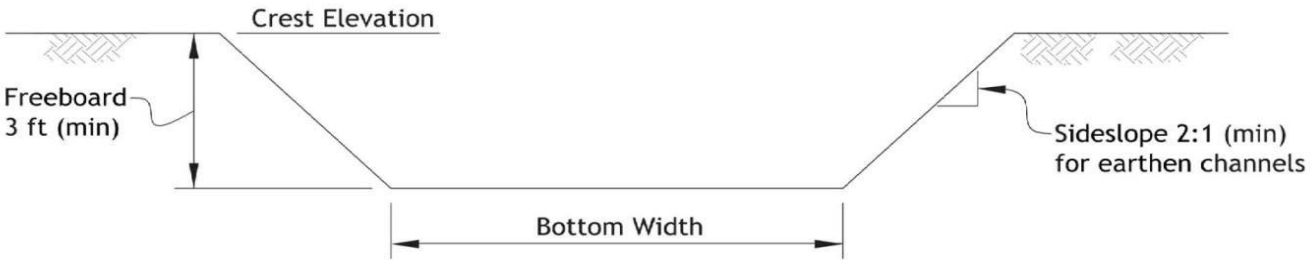
Cross Section

COLORADO
Division of Water Resources
Department of Natural Resources

Table 1 Sizing Guidelines for Livestock Water Tanks and Erosion Control Dams

Drainage Area (Acres)[3]	Minimum Recommended Bottom Width[1] (Feet) Low Intensity Rainfall Zone[2]	Minimum Recommended Bottom Width[1] (Feet) High Intensity Rainfall Zone[2]
175	8	8
225	8	10
275	8	12
325	8	15
375	10	17
425	11	19
475	12	21
525	13	24
575	15	26
625	16	28
675	17	30
725	19	33
775	20	35
825	21	37
875	22	39
925	24	42
975	25	44
1025	26	46
1075	28	48
1125	29	51
1175	30	53
1225	31	55
1275	33	57
1325	34	59
1375	35	62
1425	37	64
1475	38	66

[1]Minimum recommended bottom width for drainage areas less than 175 acres is 8 feet
[2]Refer to map of rainfall intensity zones
[3]USGS StreamStats (https://streamstats.usgs.gov/ss) can be used to estimate drainage area if unknown (note: 1 square mile equals 640 acres.



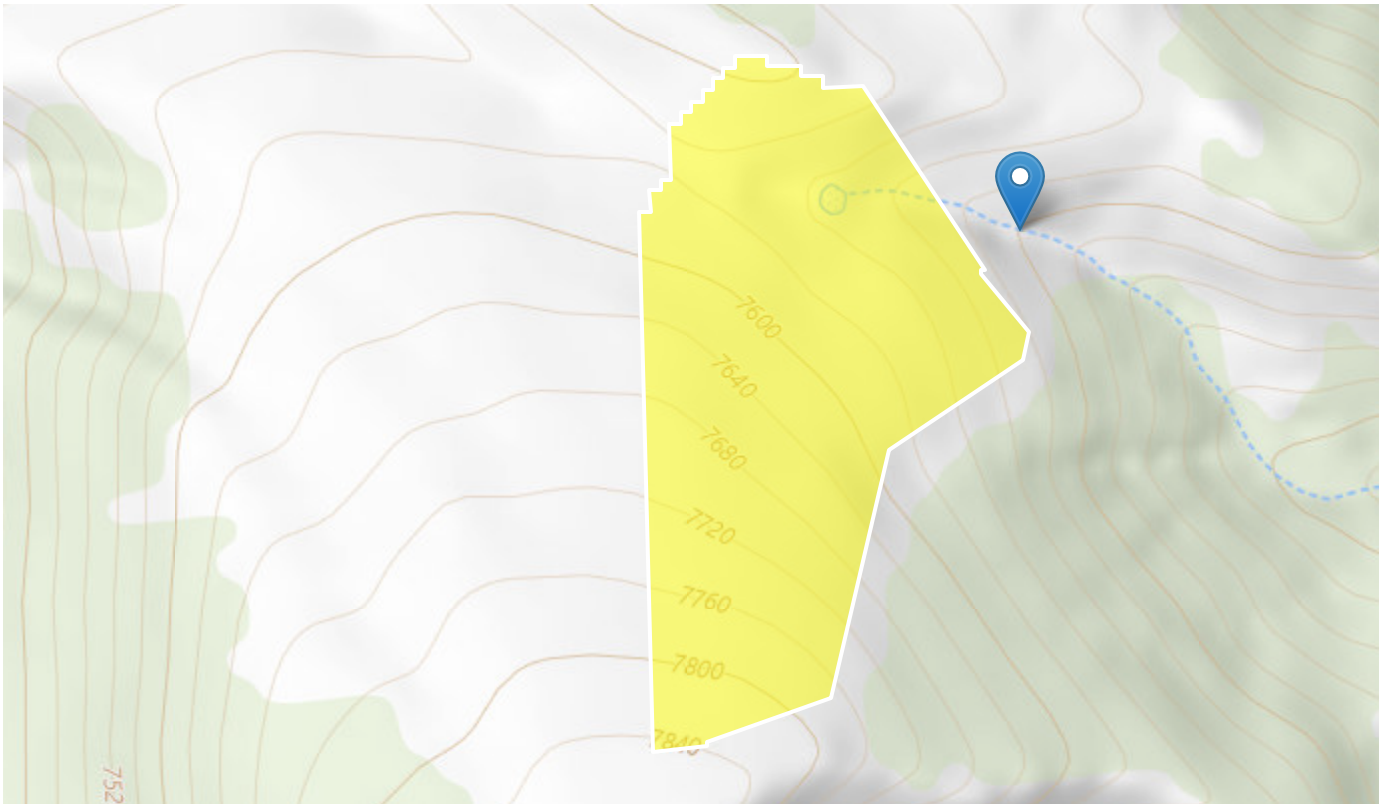
Spillway Section

COLORADO
Division of Water Resources
Department of Natural Resources

Rainfall Intensity Zones for Non-Jurisdictional Dam Spillway Sizing

StreamStats Report Yoast 11A

Region ID: CO
Workspace ID: CO20250827185024183000
Clicked Point (Latitude, Longitude): 40.39150, -107.16253
Time: 2025-08-27 12:51:04 -0600



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0541	square miles
EL7500	Percent of area above 7500 ft	86	percent
PRECIP	Mean Annual Precipitation	22.3	inches

General Disclaimers

This watershed has been edited, computed flows and basin characteristics may not apply. For more information, submit a support request from the 'Help' button in the upper-right of the screen, attach a pdf of this report and request assistance from your local StreamStats regional representative.

Peak-Flow Statistics

Peak-Flow Statistics Parameters [Northwest Region Peak Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0541	square miles	1	5250
EL7500	Percent above 7500 ft	86	percent	0	99
PRECIP	Mean Annual Precipitation	22.3	inches	8	49

Peak-Flow Statistics Disclaimers [Northwest Region Peak Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Peak-Flow Statistics Flow Report [Northwest Region Peak Flow]

Statistic	Value	Unit
50-percent AEP flood	1.01	ft^3/s
20-percent AEP flood	1.57	ft^3/s
10-percent AEP flood	2.14	ft^3/s
4-percent AEP flood	2.87	ft^3/s
2-percent AEP flood	3.67	ft^3/s
1-percent AEP flood	4.43	ft^3/s
0.5-percent AEP flood	5.37	ft^3/s
0.2-percent AEP flood	7.12	ft^3/s

Peak-Flow Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations

Report 2009-5136, 32 p. (http://pubs.usgs.gov/sir/2009/5136/)

Annual Flow Statistics

Annual Flow Statistics Parameters [Northwest Region Mean Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0541	square miles	1	5250
PRECIP	Mean Annual Precipitation	22.3	inches	8	49

Annual Flow Statistics Disclaimers [Northwest Region Mean Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Annual Flow Statistics Flow Report [Northwest Region Mean Flow]

Statistic	Value	Unit
Mean Annual Flow	0.0196	ft^3/s

Annual Flow Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (http://pubs.usgs.gov/sir/2009/5136/)

Monthly Flow Statistics

Monthly Flow Statistics Parameters [Northwest Region Mean Flow]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0541	square miles	1	5250
PRECIP	Mean Annual Precipitation	22.3	inches	8	49

Monthly Flow Statistics Disclaimers [Northwest Region Mean Flow]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

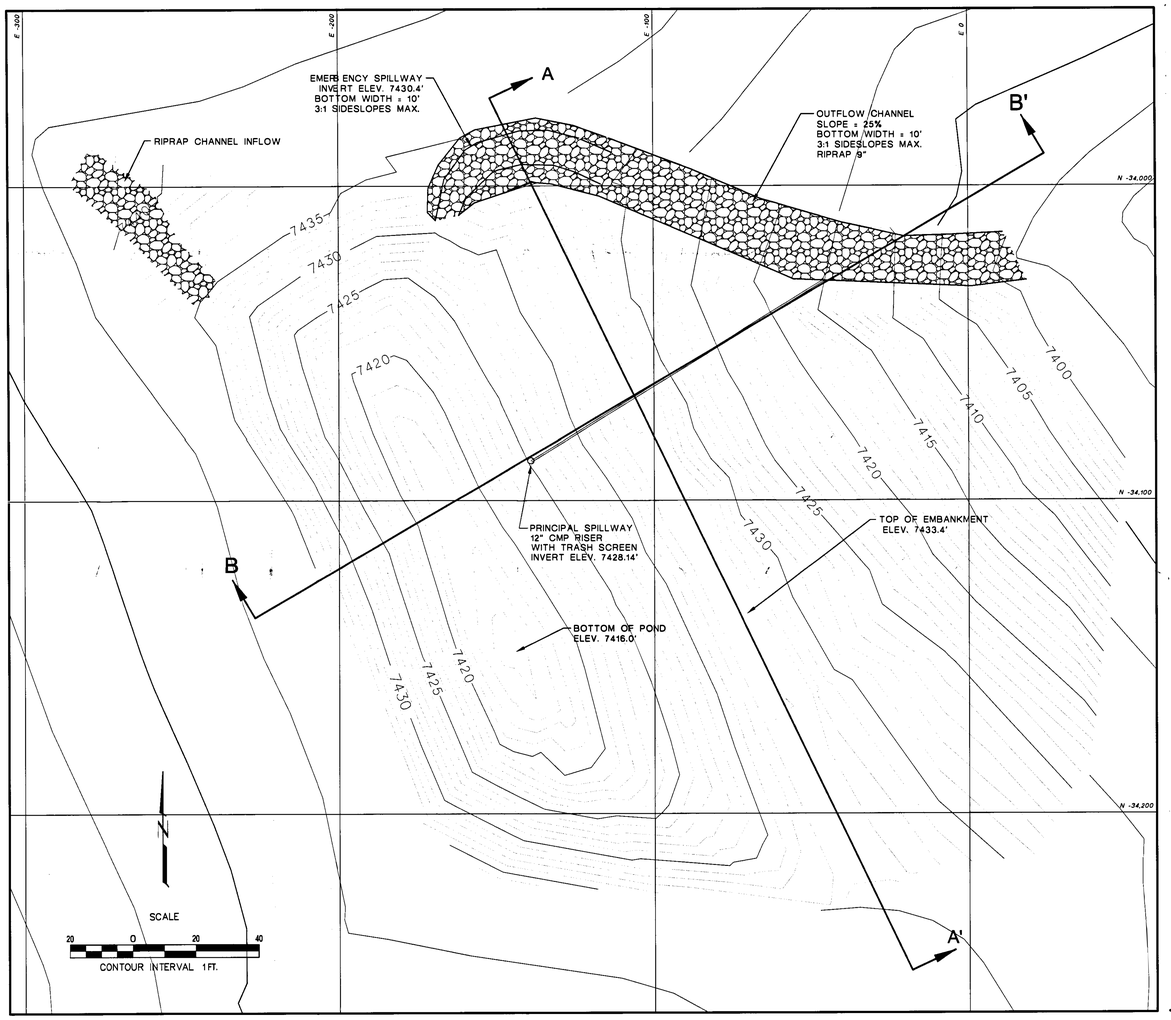
Monthly Flow Statistics Flow Report [Northwest Region Mean Flow]

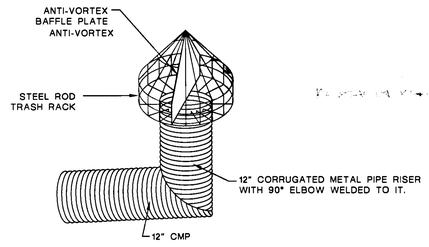
Statistic	Value	Unit
January Mean Flow	0.00297	ft^3/s
February Mean Flow	0.00175	ft^3/s
March Mean Flow	0.00223	ft^3/s
April Mean Flow	0.0091	ft^3/s
May Mean Flow	0.0673	ft^3/s
June Mean Flow	0.0251	ft^3/s
July Mean Flow	0.0556	ft^3/s
August Mean Flow	0.0376	ft^3/s
September Mean Flow	0.0202	ft^3/s
October Mean Flow	0.00669	ft^3/s
November Mean Flow	0.00305	ft^3/s
December Mean Flow	0.0027	ft^3/s

Monthly Flow Statistics Citations

Capesius, J.P., and Stephens, V. C.,2009, Regional Regression Equations for Estimation of Natural Streamflow Statistics in Colorado: U. S. Geological Survey Scientific Investigations Report 2009-5136, 32 p. (http://pubs.usgs.gov/sir/2009/5136/)

Application Version: 4.29.2
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1





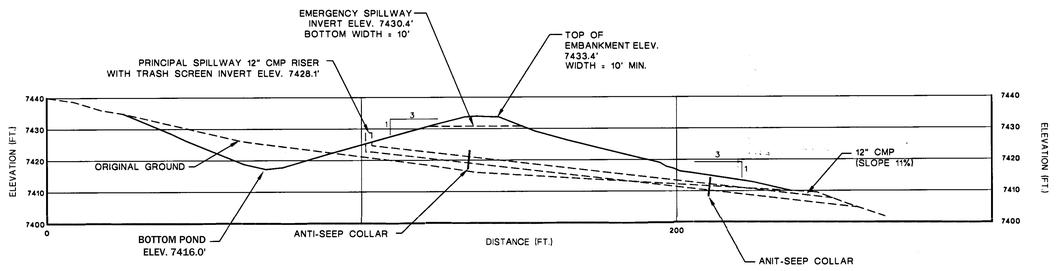
TYPICAL TRASH RACK DETAIL
PRINCIPAL SPILLWAY
NOT TO SCALE

YOAST POND 011A

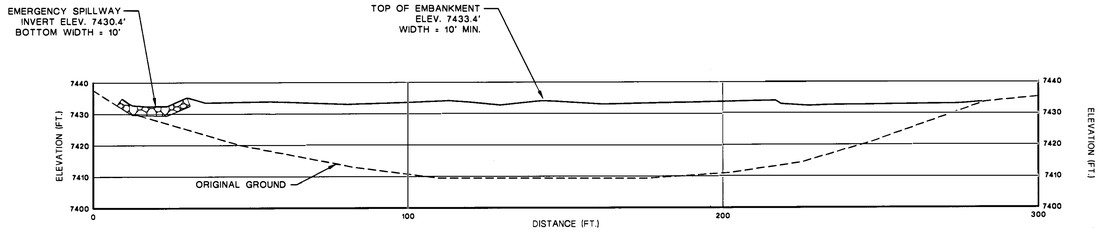
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
7416.4	0.0	0.01	0.00	BOTTOM OF POND
7417	1.0	0.022	0.016	
7418	2.0	0.040	0.047	
7419	3.0	0.063	0.097	
7420	4.0	0.090	0.173	
7421	5.0	0.113	0.275	
7422	6.0	0.138	0.400	
7423	7.0	0.166	0.552	
7424	8.0	0.197	0.733	
7425	9.0	0.230	0.947	
7426	10.0	0.262	1.192	
7427	11.0	0.296	1.471	
7428	12.0	0.332	1.785	
7428.1	12.1	0.336	1.818	PRINCIPAL SPILLWAY
7429	13.0	0.370	2.136	
7430	14.0	0.410	2.525	
7430.4	14.4	0.240	2.765	EMERGENCY SPILLWAY
7431	15.0	0.468	3.140	
7432	16.0	0.495	3.429	
7433.4	17.4	0.560	3.946	TOP OF EMBANKMENT

NOTE: EMBANKMENT CREST AND OUTSLOPES REVEGETATED WITH APPROVED TEMPORARY GRASS SEED MIX.

Emergency Spillway lowered in 2024.
Original Spillway Elev. 7431.4'



SECTION B-B'
HORIZONTAL SCALE
0 10' 20'
VERTICAL SCALE
0 10' 20'
feet



SECTION A-A'
HORIZONTAL SCALE
0 10' 20'
VERTICAL SCALE
0 10' 20'
feet

COLORADO REGISTERED
ROBERT JAMES SHEVLING
37382
PROFESSIONAL ENGINEER

PROFESSIONAL ENGINEER'S STATEMENT

I state that this map was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

10/25/04
Date *Robert J. Shevling, CO P.E. 37382*

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
0	Issued for TR-27	10/04	J.Weinman	K.Conrath	R.Shevling

RECEIVED
OCT 25 2004
Division of Mineral and Geology

SENECA Coal Company

PROJECT: *YOAST MINE*

DRAWING TITLE: ***POND 011A ASBUILT***

MWH
TR27 12/13/04

Sheet 1 Of 1 Sheets
SCALE: As Shown
DRAWING No. 13-5C

AutoCAD FILE: Yoast Pond011a asbuilt.dwg PROJECT NUMBER: 2470108.0119000

Livestock Water Tank and Erosion Control Dam Registration Field Sheet and Checklist

This sheet is populated based on application and field inspection information. It is used by the Division Engineer or other staff to provide the appropriate response to applicants.

Priority/Receipt Number (from DAMS database): 19133
DWR Admin Staff: Christina Redman
DWR Field Staff: Sarah Myers
Division: Division 6
Water District: 57 Middle Yampa River
Source Stream: Unnamed tributary of Grassy Creek
Name of Dam or Owner: Peabody
Type of Structure: Livestock Water Tank
Existing or Proposed: Existing Dam
Date that response from field staff is required (approx. 7 days after application is received) [statute requires a response from DWR to applicant within 15 days of receiving application]: 5/15/2025

Information to convey to applicant is shown in *green italics*. Required denial is shown in *red italics*. Follow up actions by admin staff are shown in *purple italics*.

A) Field Verified Location

- Is observed location described correctly in the application? No
  [If no, inform applicant that the location on their application was not correct and the location has been modified in DWR's database, Admin staff should update correct information in the DAMS database]

- If no, what are the corrections?
  Easting 316428, Northing 4473438 Zone: 13
  ¼ ¼ Section: , Township , Range , Principal Meridian

B) Structure Dimensions

- DWR estimated drainage area (Office Staff). Determine drainage area from USGS Streamstats or other source (acres). Field staff, verify or correct drainage area. 34.5 acres

- What method was used to estimate the drainage area? USGS Streamstats (results saved

to the file)

- Recommended spillway width based on drainage area: 8

- Does the spillway width meet or exceed the recommendation in Table 1? Yes
  [If no, recommend that the spillway width comply with Table 1]

- Is the freeboard at least 3 feet? Yes
  [If no, recommend freeboard be increased to at least 3 feet]

- Is the capacity less than ten acre-feet at the spillway crest? Yes *[If **no**, deny per statute]*

- Is the dam vertical height less than fifteen feet?[1] Yes *[If **no**, deny per statute]*

C) Specifications for Crest Width & Slopes
(only provided when width or slope do not meet the minimum recommended specifications)

- Crest Width (ft.) (if less than 10 feet) 10

- Proposed Upstream Slope (Ratio) (if steeper than 3:1) no

- Proposed Downstream Slope (Ratio) (f steeper than 2:1) no

  [If appropriate, recommend that structure conform to minimum specifications]

D) Water Administration Information

- Is the stream channel normally dry? Yes
  *[If **no**, deny per statute]*
  Dry 80% of the time during the calendar year with no additional source of water such as ditch water;

- Does field verification show any existing tanks actually downstream of location? (yes/no and receipt numbers) Yes 19131

- Are inhabited structures or roadways located within ¼ mile downstream of the

[1] Vertical Height is measured from the elevation of the lowest point of the natural surface of the ground or the invert of the outlet conduit (whichever is lower) where that point occurs along the longitudinal centerline of the dam up to the crest of the emergency spillway of the dam, or the top of the dam if there is not a separate spillway (see diagram in application).

structure? No *[If yes, request a Dam Safety review if not already completed]*

Livestock Water Tank	Erosion Control Dam
Is there an outlet conduit that will allow all water to be released to a senior structure if required?[2] No *[If **no**, Division Engineer should deny application or grant a waiver per 35-49-111)*	Is there an ungated outlet tube large enough (and at least 12 inches in diameter) to assure adequate capacity to drain within thirty-six hours any impoundment in excess of two acre-feet?[3] *[If **no**, deny]*
Does the structure store water for only livestock watering purposes? It was part of the mine plan but it is my understanding that it is getting released for bond once these have been approved so it is no longer being used for industrial purposes *[If **no**, deny]*	Is the structure used for erosion control with no use of detained/stored water? (Note: Erosion control potential is not evaluated) *[If **no**, deny]*

E) Existing Dam Field Verification
(only provided for structures already constructed)

- Does the structure expose groundwater?[4] No *[If **yes**, deny]*

- Is information about the structure correctly described in the application? (if no, the following section allows you to describe the necessary corrections) Yes;
  If no, the following are corrections based on field observations:
  [Notify applicant of any corrections, update database for corrections to items in

[2] The State Engineer has discretion to waive this requirement per section 35-49-111 if not required for safety or senior structures.
[3] Required section 37-87-122(3). The two acre-feet of storage below the ungated outlet tube is likely to fill with sediment. Therefore, an additional gated outlet tube at the bottom is not necessary in most cases, to administer ECD to make releases to senior LSWT.
[4] LSWT and ECD must not expose groundwater both due to the "normally dry stream" requirement and because a structure exposing groundwater is a well, which requires a well permit.

LSWT FIELD CHECKLIST LSWT NAME__Yoast Pond 11A__
WC completing this form ___Sarah Myers_____
Date of field visit _____May 15, 2025_____

PLEASE CONFIRM THE FOLLOWING	Notes/Corrections	YES	NO
Is the location listed on the application correct?			X
If no, please enter the correct location here	Easting: 316428 Northing: 4473438 SENE		
WC must confirm Source Stream	unnamed tributary of Grassy Creek		
Using streamstats determine the recommended drainage area	Recommended drainage area _.05 square miles (34.5 acres)____		
What is the recommended spillway width based on the drainage area?	Recommended spillway width _____8”_____		
Is there a spillway?		X	
WC must confirm the spillway size if existing dam	Confirmed it was around 10'		
Does the spillway width meet or exceed the recommended width aligned with the drainage area?		X	
Is the freeboard at least 3 feet?	3.4	X	
Is the capacity less than 10 acre feet at the spillway crest?		X	
Is the dam height less than 15 feet?		X	
Is the crest width less than 10 feet?	It is about 10’		X
Is the upstream slope steeper than 3:1			X
Is the downstream slope steeper than 2:1			X
Is the stream dry 80% of the year? *Dry 80% of the time during the calendar year with no additional source of water such as ditch water*	Drainage was dry during visit in May so I would say yes	X	
Are there existing tanks downstream? if yes please name them	Yoast 11, it is owner by the same applicant	X	
Are inhabited structures or roadways located within ¼ mile downstream of the structure?			X
Is there an outlet conduit that will allow all water to be released to a senior structure if required?	There is a trickle tube but not a low level outlet		X
Is this being used for livestock/wildlife only	It was part of the mine plan but it is my understanding that it is getting	X	

	released for bond once these have been approved so it is no longer being used for industrial purposes.		
Does the structure expose groundwater?	Not that I know of		X
Additional information as needed			

COLORADO
Division of Water Resources
Department of Natural Resources

Completion of Construction
DRS-11A (10.11.2019)

1. Dam Information

Name of Dam: Yoast Pond 011A

WDID:

Receipt/Priority Number:

Type of Dam: (•) Livestock Water Tank ( ) Erosion Control Dam

Date Construction was Completed: 9/1999

2. Location Information

- If the location information is different from what was provided on the DRS-11 Application for Livestock Water Tank and Erosion Control Dam, please update the PLSS or GPS Location information below.
- To determine the location information, please use the Location Spotter at: https://dwr.state.co.us/Tools/LocationConverter

PLSS

Q40	Q160	Section		Township		Range		PM	County
NE	SE	17		5.0	(•) N ( ) S	87.0	( ) E (•) W	S	Routt

GPS Location

- Point taken should be at the crest of the dam above the streamline/outlet
- Datum should be UTM, NAD 83

Zone	Easting (UTMx)	Northing (UTMy)
Zone 13	316419.78	44737433.5

3. Sign and Enter Name of Responsible Individual

- Submit the completed form electronically to the State Engineer's Office Online Form Submission Email account DWRPermitsOnline@state.co.us
- The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge

Sign or Enter Name(s) of Responsible Individual(s): Miranda Kawcak

Date: 9/16/2024

If Signing Enter Name and Title: Miranda Kawcak, Environmental Manager

LSWT Yoast Pond 011A copy

Final Audit Report 2025-08-29

Created:	2025-08-28
By:	Christina Redman - DNR (christina.redman@state.co.us)
Status:	Signed
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