

Form No. 600-TAA Additional Sheet (Revised 02/2025)

Applicant Name

APPLICATION FOR BENEFICIAL WATER USE PERMIT TECHNICAL ANALYSES ADDENDUM ADDITIONAL HYDRAULICALLY CONNECTED SOURCE SHEET (600-TAA)

ARM 36.12.1303

Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y") or no ("N"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Technical Analyses Addendum Additional Sheet. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, mark the see attachment ("A") checkbox on this form and label the attachment with the question number. If no attachment is needed, leave the see attachment ("A) checkbox blank. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox on this form must be marked. Label all units in narrative responses and tables.

34. Name the hydraulically connected surface water source for which you are answering	
questions 35 to 38.	
35. Are stream gage data available?	
a. If yes, answer question 36.	
b. If no, answer question 37.	
36. Stream gage data are available.	
a. Is one stream gage located above and one stream gage located below the start of the	
depleted reach?	
i. If no, is only one stream gage located near the start of the depleted reach?	\Box Y \Box N
1. If yes, is the stream gage located upstream or downstream?	
b. List the gage name(s). Write "N/A" for Gage 2 if one gage is available.	
Gage 1:	
Gage 2:	
c. What is the distance between the gage(s) and the start of the depleted reach? Write "N/A"	
for Gage 2 if one gage is available.	
Gage 1:	
Gage 2:	
d. Is there a limiting or controlling factor on the source between the stream gage(s) and the	
start of the depleted reach? This includes dams that control the flow and streams with	
large gaining and/or losing reaches.	



i. If yes, explain.	□A
e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available.	
Gage 1:	
Gage 2:	
f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available.	
Gage 1:	
Gage 2:	
g. Is each available stream gage operated and maintained by USGS or DNRC?	
i. If yes, skip to question 36.h.	
ii. If no, answer the following questions for each gage not operated and maintained by USGS or DNRC.	
1. How frequently are stage data recorded? Write "N/A" for Gage 2 if only one gage	
is not operated or maintained by USGS.	
Gage 1:	
Gage 2:	
2. If data gaps were to occur, are they identified and left unfilled or estimated using	
interpolation, ice correction, or indirect discharge measurements methods?	
a. Gage 1.	
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC.	\Box Y \Box N
gage is not operated of maintained by 0000 of DNNO.	
3. Was the rating curve established and maintained throughout the duration of the	
period of record using measurements taken near the reference gage and stage	
recorder according to USGS protocols?	
a. Gage 1.	\Box Y \Box N
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one	\Box Y \Box N
gage is not operated or maintained by USGS or DNRC.	
4. Were requirements established and followed for maintaining a permanent gage	
datum and meeting specified accuracy limits?	
a. Gage 1.	\Box Y \Box N
b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one	
gage is not operated or maintained by USGS or DNRC.	
h. Do the data for one or more sublide stream reasons the Demonstration to the bull	
h. Do the data for one or more available stream gages meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the	
months with net depletions? See the "Department Standard Practice for Determining	
Physical Surface Water Availability" in the Permit Manual.	



i. If yes, record how many meet the standard, then skip to question 37 because this section is complete.	
ii. If no, answer question 37.	
37. If no gage data are available or if available gage data do not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months with net depletions, is the source otherwise measured?	
a. If no, the Department requires gage data and/or measurements that meet the	
requirements of ARM 36.12.1702 or, in combination with an approved variance request, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria. Skip to question 38.	
b. If yes,	
i. Submit available measurements to the Department.	□S
ii. Who collected the measurements?	□A
iii. With what method were the data collected?	
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iv. What is the period of record?	
v. What is the frequency of measurement?	
vi. Are there gaps in the data?	
1. If yes, what is the nature of the gaps and how are gaps handled to ensure data	
quality?	
vii. Is there a process for maintaining the data and meeting specified accuracy limits?	\Box Y \Box N
1. If yes, explain.	□A
viii. Do available measurement data meet the Department's standard to be sufficient to	\Box Y \Box N
calculate the median of the mean monthly flow rate and volume during the months with net depletions? See the "Department Standard Practice for Determining Physical	
Surface Water Availability" in the Permit Manual.	
1. If yes, this section is complete.	
2. If no, answer question 38.	
38. Do the available measurement data, gage and/or otherwise measured, meet the	\Box Y \Box N
Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for validation of a Department-accepted estimation technique? If the	
Department finds that your measurements are not sufficient to validate an estimation	
technique or that no estimation technique is appropriate for the source characteristics, further	
measurements may be required. Refer to the "Department Standard Practice for Determining	
Physical Surface Water Availability" in the Permit Manual for more information.	



a. If yes,	
i. Describe how the measurements are representative of high, moderate, and low flows.	□A
ii. Describe the estimation technique.	□A
 b. If no, but a Department-accepted estimation technique will be appropriate for the hydraulically connected surface water source: 	
i. Submit a request to deviate from the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique. The Department's technical analyses or scientific credibility review of your technical analyses cannot commence until the Department receives measurements that meet Department measurement standards, or in combination with a request to deviate, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	□S
 c. If no, because no Department-accepted estimation technique will be appropriate for the source: 	
i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics.	ΠA
ii. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard for monthly measurements throughout the months with net depletions? Refer to the "Department Standard Practice for Determining Physical Surface Water Availability" in the Permit Manual for more information.	
 If no, submit a request to deviate from the Department's standard for monthly measurements throughout the months with net depletions. The Department's technical analyses or scientific credibility review of your technical analyses cannot commence until the Department receives measurements that meet Department measurement standards, or in combination with a request to deviate, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria. 	□S

