

Form No. 606-TAA Additional Sheet

(Revised 03/2024)

Applicant Name

APPLICATION TO CHANGE A WATER RIGHT TECHNICAL ANALYSIS ADDENDUM ADDITIONAL HYDRAULICALLY CONNECTED SOURCE SHEET (606-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 checked when the required item is attached to the Technical Analysis 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. Label units in narrative responses.

66. Name the hydraulically connected surface water source for which you are answering	
questions 67 to 68.	
67. Is stream gage data available?	\square Y \square N
a. If yes, answer the following questions for the number stream gages are available.	
i. One stream gage is available	
1. What is the gage name?	
	-
2. Who operates and maintains the gage?	
3. Is the stream gage upstream or downstream of the start of the depletion?	
4. Is there a limiting or controlling factor that would make the Drainage Area	
Method not practical? This includes dams that control the flow and streams with	
large gaining and/or losing reaches.	
5. Is the period of record greater than or equal to 10 years?	□Y□N
6. How frequently is stage data recorded?	
7. If data gaps were to occur, are they identified and left unfilled or estimated using	□Y□N
interpolation, ice correction, or indirect discharge measurements methods?	
8. Was the rating curve established and maintained throughout the duration of the	□Y□N
period of record using measurements taken near the reference gage and stage	
recorder according to USGS protocols?	



9. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	\Box Y \Box N
10. Does the gage data meet the Department's standard to be sufficient to	
calculate the median of the mean monthly flow rate and volume during the	
proposed months of depletion? See the "Department Standard Practice for	
Determining Physical Surface Water Availability" in the Permit Manual.	
a. If yes, this section is complete. Skip to question 69.	
b. If no, answer question 67.b.	
ii. More than one stream gage is available	
1. List the gage names.	
1. List the gage hamos.	
	
	
2. Who operates and maintains the gages?	
3. Is one stream gage upstream and one downstream of the start of the depletion?	$\square Y \square N$
4. Do the stream gages have similar periods of record?	$\square Y \square N$
5. Are the periods of record each greater than or equal to 10 years?	\square Y \square N
6. How frequently is stage data recorded at each gage?	
7. For each gage, if data gaps were to occur, are they identified and left unfilled or	\square Y \square N
estimated using interpolation, ice correction, or indirect discharge measurements	
methods?	
8. Were the rating curves established and maintained throughout the duration of	\Box Y \Box N
the period of record using measurements taken near the reference gages and	
stage recorders according to USGS protocols?	
9. For each gage, were there requirements for maintaining a permanent gage	\square Y \square N
datum and meeting specified accuracy limits?	
 Does the gage data meet the Department's standard to be sufficient to 	$\square Y \square N$
calculate the median of the mean monthly flow rate and volume during the	
proposed months of depletion? If you have questions about this, consult the	
"Department Standard Practice for Determining Physical Surface Water	
Availability" found in the Permit Manual.	
a. If yes, this section is complete. Skip to question 69.	
b. If no, answer question 67.b.	
b. If no gage data is available or if available gage data does not meet the Department's	$\square Y \square N$
standard to be sufficient to calculate the median of the mean monthly flow rate and	
volume during the months of depletion, is the source otherwise measured?	
i. If yes,	_
Submit available measurements to the Department	□S
2. Who collected the measurements?	□A

3. With what method was the data collected?	□А
4. What is the period of record?	
5. What is the frequency of measurement?	
6. Are there gaps in the data?	□Y□N
a. If yes, what is the nature of the gaps and how are gaps handled to ens data quality?	sure A
7. Is there a process for maintaining the data and meeting specified accuracy limits?	□Y□N
a. If yes, explain.	□А
8. Does available measurement data meet the Department's standard to be	□Y□N
sufficient to calculate the median of the mean monthly flow rate and volume during the months of depletion? See the "Department Standard Practice for	
Determining Physical Surface Water Availability" in the Permit Manual.	
a. If yes, this section is complete. Skip to question 69.	
b. If no, answer question 68.	

68. Does the available measurement data, gage and/or otherwise measured, include a minimum of high, moderate, and low flows to be used for 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.	□Y□N
a. If yes,	
i. Describe how your measurements are representative of high, moderate, and low flows. ———————————————————————————————————	ΠA
ii. If you conducted the Technical Analyses, summarize the estimation technique. If the	□A
Department will conduct the Technical Analyses, write N/A.	
the source characteristics.	
i. Did you request to depart from the requirements of "Department Standard Practice for Determining Physical Surface Water Availability" found in the Permit Manual? Please note that the Department's Technical Analyses or Scientific Credibility Review of your Technical Analyses cannot commence until the Department receives measurements that meet these requirements or, in combination with an approved request to depart, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	ΠΥΠΝ
If yes, submit a copy of the request to depart and, if available, the Department's decision.	□S
c. If no, and you have evidence that no Department-accepted estimation technique is	
appropriate for the source characteristics.	

i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics.	□A
ii. Does available measurement data meet the Department's standard of monthly	□Y□N
measurements throughout the period of net depletion for groundwater permits? 1. If no, did you request to depart from the requirements of "Department Standard"	\square Y \square N
Practice for Determining Physical Surface Water Availability" found in the Permit Manual? Please note that the Department's Technical Analyses or Scientific Credibility Review of your Technical Analyses cannot commence until the Department receives measurements that meet these requirements or, in combination with an approved request to depart, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.	
 a. If yes, submit a copy of the request to depart and, if available, the Department's decision. 	□S