

Environmental Health Division Drinking Water Protection Section Source Water Protection Unit P.O. Box 64975 St. Paul, Minnesota 55164-0975

Public Water	Supply ID:		PWS Name:				
Contact Information for Person Completing this Form							
	Name:						
	Address:						
City	y, State, Zip:						
Phone,	Fax, e-mail:						
	Aqu	ifer Properties I	Determinatio	on Methods			
For Methods 1 - 5, check all that apply - attach Summary of Aquifer Properties Based on Existing Data							
1. An existing pumping test that meets the requirements of wellhead protection rule part 4720.5520 and that was previously conducted on a well connected to the public water supply system.							
An existing pumping test that meets the requirements of wellhead protection rule part 4720.5520 and 2. that was previously conducted on another well in a hydrogeologic setting determined by the department to be equivalent							
An existing pumping test that does not meet the requirements of wellhead protection rule part 3. 4720.5520 and that was previously conducted on: 1) a public water supply well or 2) another well in a hydrogeologic setting determined by the department to be equivalent.							
Existing specific capacity test(s) conducted on the public water supply well(s) or specific capacity tests conducted on other wells in a hydrogeologic setting determined by the department to be equivalent.							
5. An existing published transmissivity value.							
For Method 6 or 7 - attach detailed Aquifer Test Plan for Proposed Test							
A proposed new test to be conducted on a new or existing well connected to the public water supply 6. system and that meets the requirements for larger-sized water systems (wellhead protection rule part 4720 5520). The test plan must be approved before conducting the test							
 A proposed new test to be conducted on a new or existing public well connected to the public water 7. supply system and that meets the requirements for smaller-sized water systems (wellhead protection rule part 4720.5530). The test plan must be approved before conducting the test. 							
List the unique number of each public water supply well to which this DAP-ATP Form applies							
Submitted by:		Prof. License:		Date:	Date:		
Reviewed by:		Approved:	Yes No	Approval Date:			

Summary of A	Aquifer Prope	rties Based on	Existing Da	ita			
Aquifer Name:	Aquifer Code:						
Hydraulic Confinement	Unconfined	Fractured Rock					
Aquifer Test Number of test(s)	on file used to co	ompile the inform	nation tabulat	ed below:			
Aquifer Properties Summary Table							
<u>.</u>		· · ·	Range		. / 0/		
Representative va	lues	Unit	Minimum	Maximum	+/- %		
Top Stratigraphic Elev.		feet (MSL)					
Bottom Stratigraphic Elev.		feet (MSL)					
Transmissivity (T)		ft²/day					
Aquifer Thickness (b)		feet					
Saturated Thickness* (b)		feet					
Hydraulic Conductivity (k)		ft/day					
Primary Porosity (e _p)		0.00 %					
Secondary Porosity** (e _s)		0.00 %					
Storativity (S)		dimensionless					
Characteristic Leakage (L)		feet					
Hydraulic Resistance (c)		days					
Notes: Shaded fields are requir because of fractures or solution	ed - * hydraulical 1 weathering	ly unconfined aq	uifer - ** dual	porosity aqui	fer		
Describe rationale for selected	method(s). Atta	ch documentation	n and analysis.				

Aquifer Test Plan for Proposed Test									
Aquifer Name:					Aquifer C	ode:			
Hydraulic Confinement		Confined Unconfined		Fractured Rock					
	Proposed New Test Information Summary								
Pumped Well Name (Unique Number):				Т	est Duration) (Hours):				
Location:	UTM-X			Pump Type:					
X, Y UTM-Z15N (meters)	UTM-Y								
(decimal degrees) <u>datum: NAD83</u>	Latitude			Proposed Discharge Rate (units): Type of Flow Rate Measuring Device:					
Number of Observation Wells:	Longitude								
bescribe a new test to be wells that will be monito (i.e.: rate, duration, num and any observation well	red durin iber of ob l(s) must	g data collect wells, interfer be included.	iped wen fer ion. How do ing wells, et Plan must st	erenced at es the exist c.) A maj ate what w	ting or propos p showing the vill be done to	ed test deviate from the ideal. location of the pumping well dispose of well discharge.			