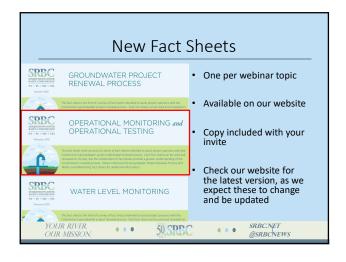
### **PWSAP Webinar Series: Groundwater Renewal Process** Part 2 - Groundwater Project Renewals: **Operational Monitoring and Operational Testing Key Personnel:** Andrew Dehoff Executive Director Manager, Project Review Todd Eaby PWSAP Coordinator Bill Miller Mike Appleby Scott McFeaters Hydrogeologist Supervisor, Groundwater Hydrogeologist YOUR RIVER. OUR MISSION 50 SPRC SRBC.NET @SRBCNEWS 0 0 0 . . .

# Webinar Overview Part 1 - Groundwater Project Renewals: A Two-Step Process Completed January 28, 2021 Part 2 - Groundwater Project Renewals: Operational Monitoring and Operational Testing February 25, 2021 Part 3 - Groundwater Project Renewals: Water Level Monitoring March 25, 2021 - On Deck! WOUR RIVER OUR MISSION SRBC.NET @SRBC.NET @S



### What Has Gone Before Two-Step Process to answer the Three Questions Aquifer Testing Plan or Waiver Request Application Deadline - 6-Months before expiration Waiver/ Plan Does not Count Contact us about "Releasing" the application Meet aquifer testing requirement once Projects with previously approved tests have met 806.12 May go straight to application!

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### What to Expect Today Steps to identify data gaps Operational Monitoring and Operational Testing What are they? What is the difference? Which to choose? Examples from Voluntary Action Plans WOUR RIVER OUR MISSION SRBCNET @RBCNET

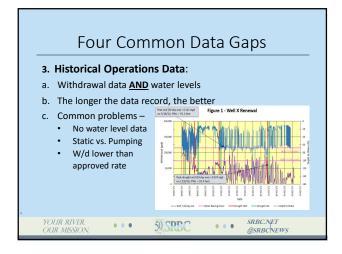
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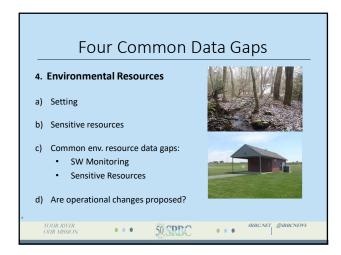
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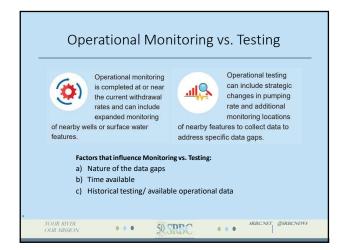
Standards for Water Withdrawals
Renewal Application must satisfy 18 CFR § 806.23:
Is the requested withdrawal rate sustainable?
2. Are there any adverse impacts to other users?
3. Are there any adverse impacts to the environment?
Does data exist or do you have a Data Gap?
Photosouric Good Impact
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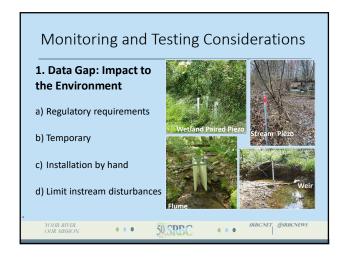
# Four Common Data Gaps 1. Groundwater Availability Analysis (GWAA): a. Define a reasonable GW contribution area b. Identify an appropriate 1-in-10 year recharge rate c. Estimate other GW users d. GWAA – not an exact science, but helps identify an issue

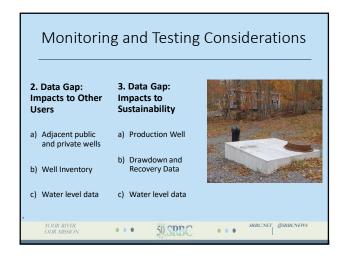
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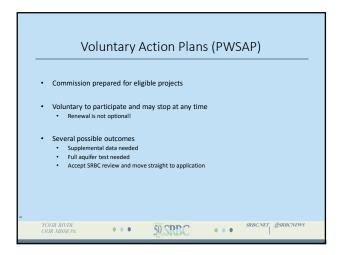




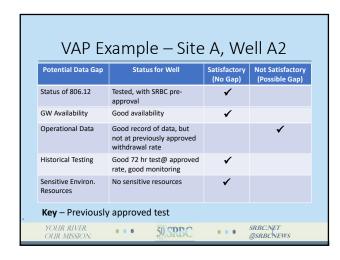




## POUR RIDR OUR MENTAR OUR MENTAR SERECLES Action Plans Recommended, not required Summarize findings of the reviews completed above Identify data gaps and provide plan to fill them Can be the start of your waiver For Non-PWSAP projects, Action Plans can be completed by consultant Commission prepares a Voluntary Action Plan for eligible PWSAP projects Voluntary to participate and may stop at any time (renewal is not optional!) Several possible outcomes: Testing needed;



Potential Data Gap	Status for Well	Satisfactory (No Gap)	Not Satisfactory (Possible Gap)	
Status of 806.12	Tested, but not pre- approved		✓	
GW Availability	Good availability	✓		
Operational Data	Good record of water level & withdrawal data during drought	1		
Historical Testing	Short term test, limited monitoring		✓	
Sensitive Environ. Resources	No sensitive resources	1		



Sit	te A – VAP	Option	S
Well A1:			
Waiver would	d typically be red	uired	
• If renew at P	revious Rate: SR	BC VAP = v	waiver
• If want > Pre	vious Rate: Testi	ng needed	
Well A2:			
• No Waiver N	eeded		
• If renew at P	revious Rate: Pro	ceed to ap	plication
• If want > Pre	vious Rate: Testi	ng needed	
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Potential Data Gap	Status for Well	Satisfactory (No Gap)	Not Satisfactory (Possible Gap)
Status of 806.12	Tested, but not pre- approved		✓
GW Availability	Good availability	✓	
Operational Data	Limited withdrawal data, no water level data		4
Historical Testing	Good 72 hr test @ higher rate, limited monitoring		✓
Sensitive Environ. Resources	No sensitive species; regulated wetlands beyond AOI, nearby river		✓

	Site B	– VAP	Recom	mend	ations	_
	Well B:					
	• Waiver is N	leeded				
	✓ confirm ✓ prepare ✓ <u>Can't us</u>	e operation no other u and submi e SRBC VA	nal/short term sers t a waiver req P as waiver	n testing uest		
s.	• If want > p	reviously	tested rate	: testing	needed	
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Potential Data Gap	Status for Well	Satisfactory (No Gap)	Not Satisfactory (Possible Gap)
Status of 806.12	Tested, but not pre- approved		✓
GW Availability	Questionable availability		✓
Operational Data	Withdrawal data during drought @ 80% of approved		4
Historical Testing	86 hr test, multi rate, limited monitoring		✓
Sensitive Environ. Resources	Potential RTE species; wetland < 100', headwaters to wild trout stream		4

### Site C – VAP Recommendations Well C: • Waiver is Needed • If renew at previously approved rate: · complete operational testing w/monitoring · confirm no impacts to SW/wetlands · confirm sufficient recharge area · prepare and submit a waiver request · Can't use SRBC VAP as waiver • If want > previously approved rate: testing needed

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### Additional Resources **General Project Review Questions** ☑ Water Level Monitoring Fact Sheet Operational Monitoring and Operational Testing Fact Sheet • Todd Eaby, teaby@srbc.net ☑ Online Application Instructions **Groundwater Projects** ☑ Online Waiver/Plan Templates • Mike Appleby <u>mappleby@srbc.net</u> ☑ Online Application Functional • Bill Miller wmiller@srbc.net ☑ Aquifer Test Guidance **PWSAP** Questions & Additional Information • Scott McFeaters <a href="mailto:smcfeaters@srbc.net">smcfeaters@srbc.net</a> If you have any questions or would like to • Dave Haklar <a href="mailto:dhaklar@srbc.net">dhaklar@srbc.net</a> request a free pre-application consultation, please contact the Commission's Manager Project Review at 717-238-0423. • Mike Appleby <u>mappleby@srbc.net</u> YOUR RIVER. OUR MISSION SRBC.NET @SRBCNEWS . . . 50 SPRC . . .

## Part 3 – Groundwater Project Renewals: Water Level Monitoring Thursday, March 25th, 2021 (1-2 pm) Next Series – Aquifer Testing Plan Waivers? April 2021? We are seeking input on future webinar topics