

Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) System Schematic Diagrams

Figure 1. Sample Tap before Chemical Treatment and Backwash Water Recycle (if applicable)

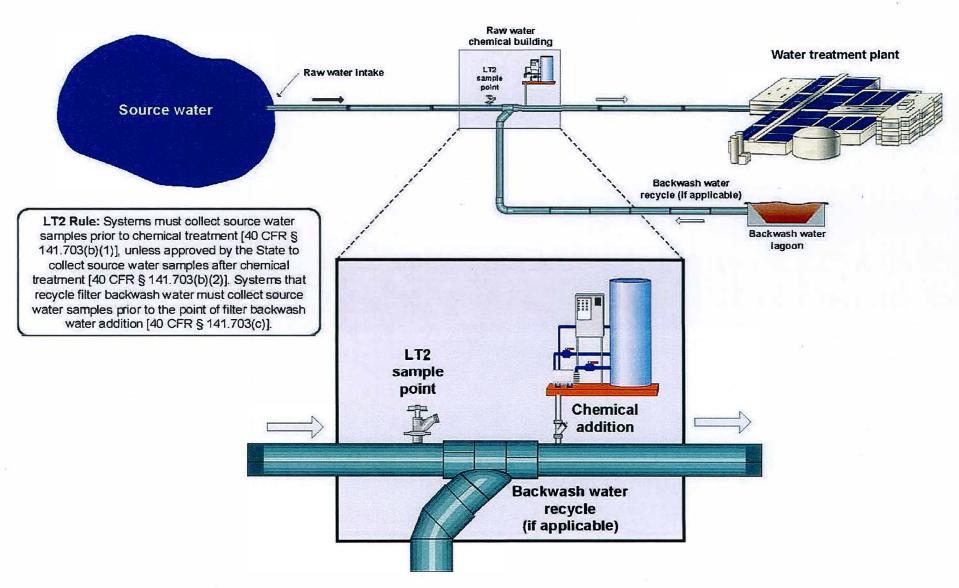


Figure 2. Multiple Sources: Sample Tap after Two Combined Sources

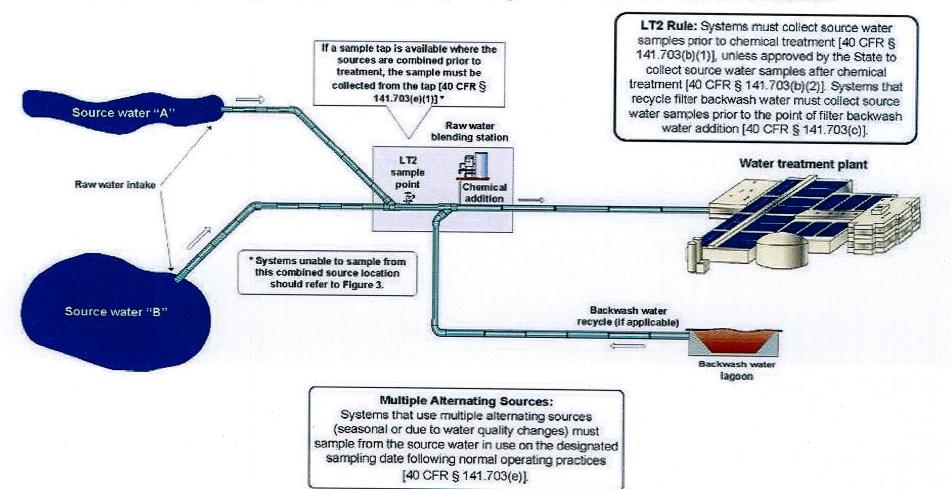


Figure 3. Multiple Sources: Two (or More) Sources to be Composited

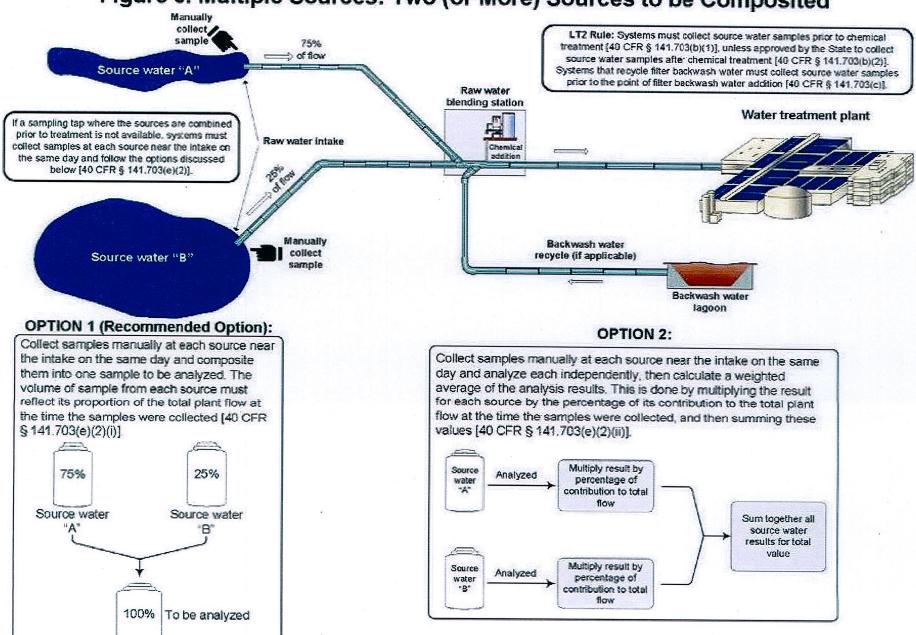


Figure 4. Multiple Plants with the Same Influent

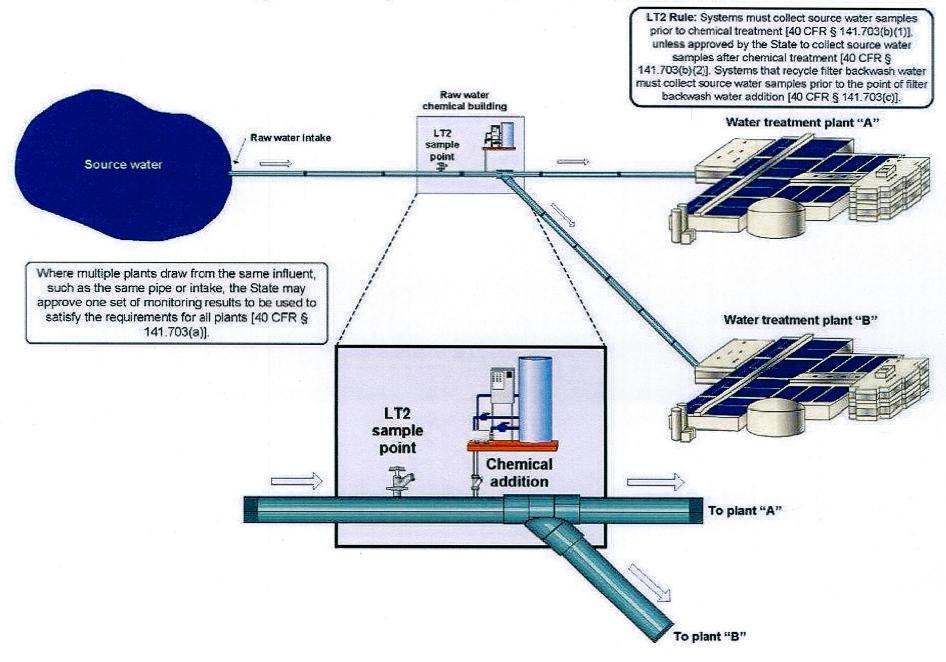


Figure 5. Bank Filtration

The correct sampling location for systems using bank filtration differs depending on whether the bank filtered water is treated by subsequent filtration:

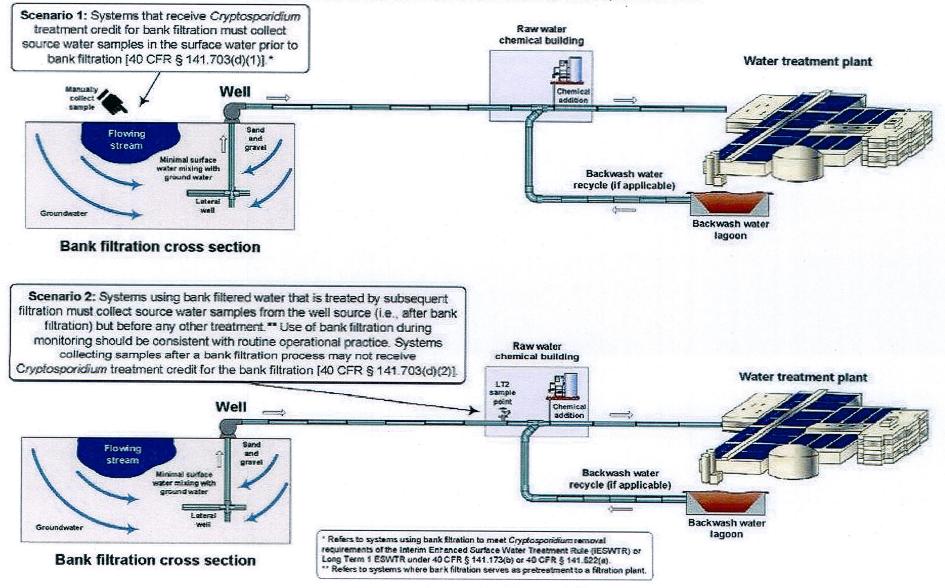


Figure 6. Ground Water Under the Direct Influence of Surface Water (GWUDI)

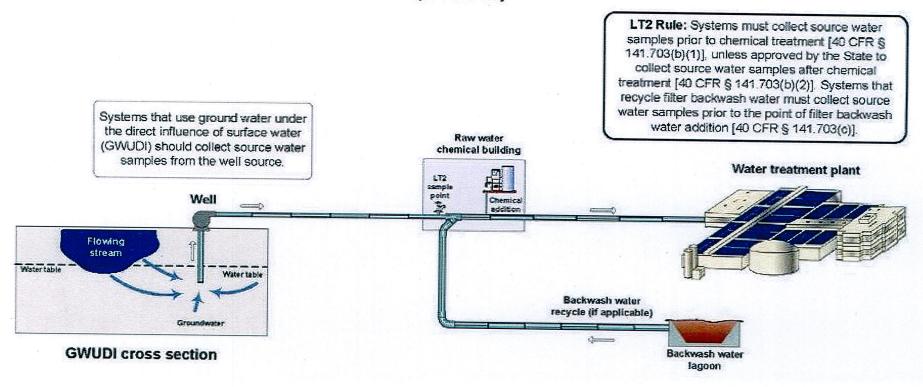
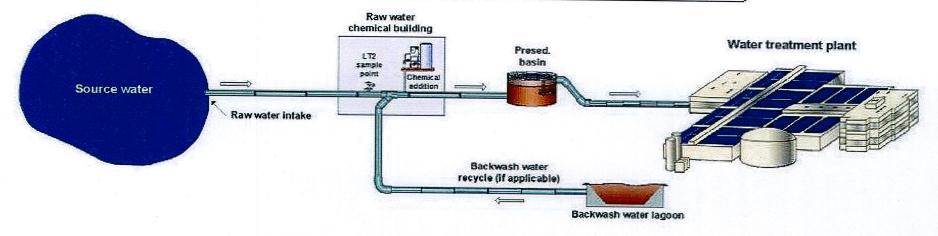


Figure 7. Presedimentation Basin

Scenario 1:

Systems using a presedimentation basin with chemical addition should collect source water samples prior to chemical treatment, unless approved by the State to collect source water samples after chemical treatment. Systems that recycle filter backwash water must collect source water samples prior to the point of filter backwash water addition [40 CFR § 141.703(c)].



Scenario 2:

Systems without chemical addition prior to or in a presedimentation basin, or that have been approved by the State to collect source water samples after chemical treatment, may sample after the presedimentation basin but will not receive any treatment credit for presedimentation.

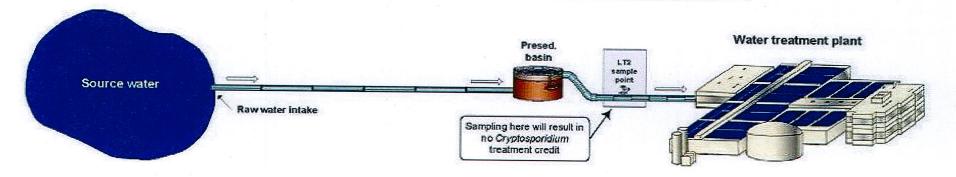


Figure 8. Raw Water Off-Stream Storage

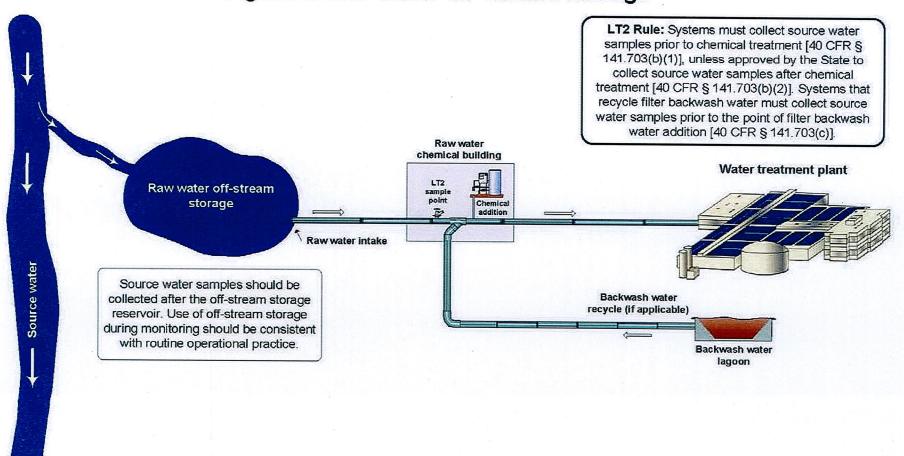


Figure 9. Mixed Source Water: Ground Water and Surface Water Sources

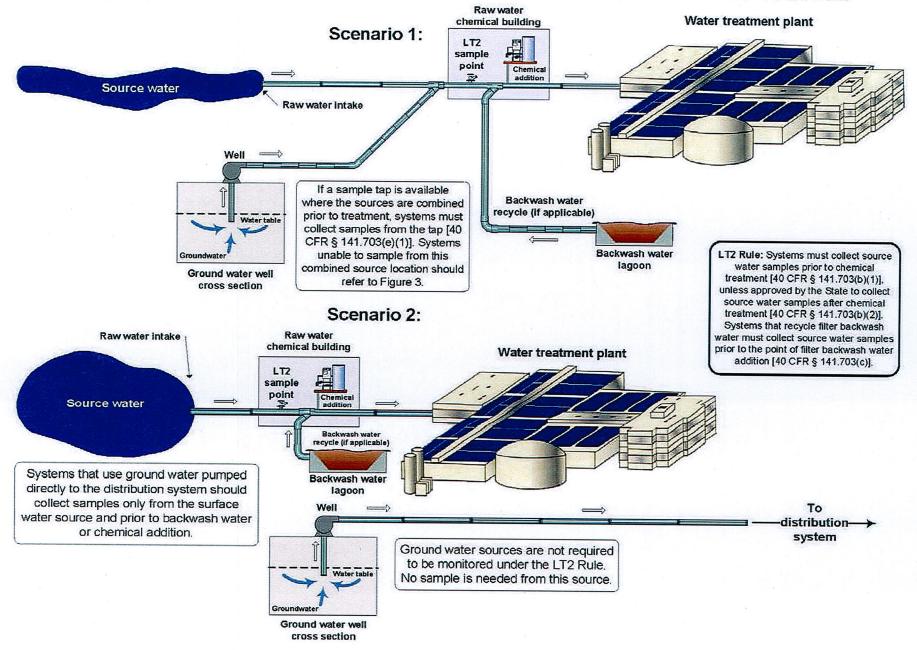


Figure 10. Blank Schematic for Submission

Public Water System (PWS) name:	Indicate the following on the diagram that best represents your facility
PWS ID:	type (if applicable): 1. LT2 sampling location 2. Points of chemical treatment prior to the treatment plant
Water treatment plant name:	
Water system facility ID:	Filter backwash water addition
	Pretreatment processes (e.g., presedimentation basins, bank filtration) Multiple source waters (show by adding additional sources).

