

EMERGENCY RESPONSE ONLY

RESERVOIR WATER SAMPLER

For questions concerning the operation or use of this water sampler call:

WSLH Pager - (608) 263-3280 or WDNR Hotline - (800) 943-0003 ext. 1

This 5-Liter vertical water sampler can be used to collect water from a reservoir of a threatened or contaminated drinking water utility. It should be used to fill the sample containers of the Emergency Response Drinking Water Collection Kit.

DIRECTIONS FOR USE

Once your sampler is armed, it is ready for deployment. A solid messenger is is nested inside the line reel to prevent damage during shipping.

ARMING AND DEPLOYING THE SAMPLER

1. Lay sampler on its side with the rope side of the cable clamp positioned downward. Turn the top and bottom seals so the stainless steel lines align with the hole in the release mechanism (**Figure 1**).
2. Each end seal is loaded separately starting with the top seal. Use your index finger to pull the arming rod of the release mechanism downward (**Figure 2**).

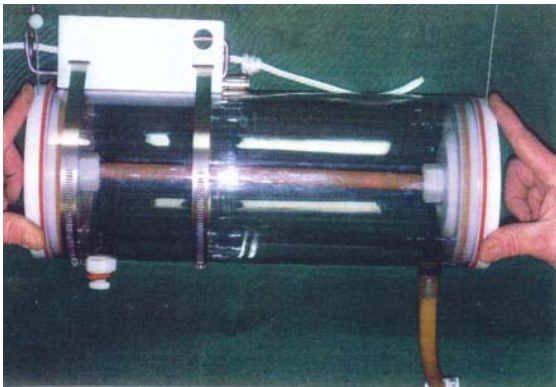


Figure 1

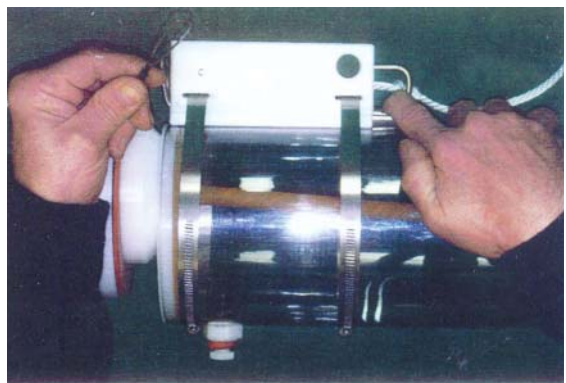


Figure 2

3. Pull the top seal out of the sampler cylinder and insert the stainless steel loop inside the hole in the closing mechanism. Release the arming pin to hook the loop (**Figures 3 & 4**).

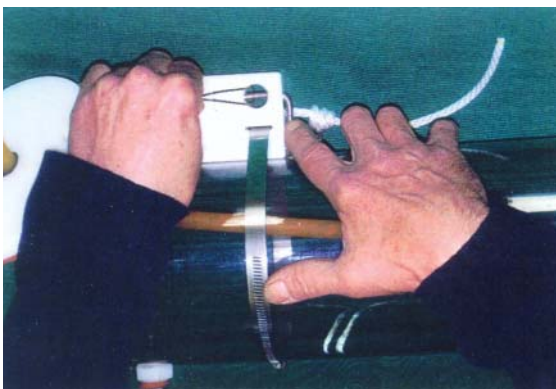


Figure 3



Figure 4

4. Arm the bottom seal using the same procedure as above and clip the stainless steel clip around **both** strands of the stainless steel loop. Check to make sure the air valve near the top of the sampler is closed, and that the clamp on the latex fill tube is closed. The sampler is now ready for deployment (**Figures 5 & 6**). Become familiar and inspect arming to ensure proper actuation.

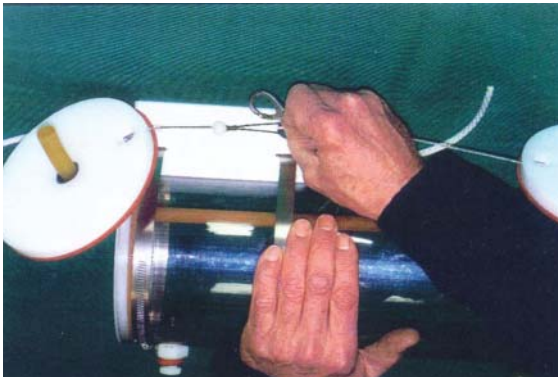


Figure 5



Figure 6

5. Determine sampling depth and release appropriate amount of line. Pass this length of line through the solid messenger. Lower the sampler to the desired sampling depth (**Figure 7**).
6. Release the messenger to actuate closing mechanism. Please note: It is not necessary to “throw” the messenger downward. You can generally feel the sampler close at the chosen depth through the line.
7. Retrieve the sampler from the reservoir. Place the sampler in an upright position, with the closed external latex fill tube positioned at the bottom.
8. Open the air valve near the top of the sampler to help control the flow of water exiting the sampler.
9. Place the latex fill tube inside the opening of a sample container from the Emergency Response Drinking Water Collection Kit. Release the clamp on the latex fill tube and fill the sample container (**Figure 8**). **Consult the Emergency Response Drinking Water Collection Kit instructions for specific container filling requirements.**
10. Repeat the steps outlined above until all of the containers of the Emergency Response drinking Water Collection Kit are filled. **Note - It will be necessary to fill the 5-Liter reservoir sampler approximately five times in order to collect enough water to fill all of the containers in the Emergency Response Drinking Water Collection Kit. The sampler should be lowered to approximately the same depth in the reservoir every time water is collected to ensure that a representative sample is obtained.**



Figure 7

11. Once all of the containers in the Emergency Response Drinking Water Collection Kit are filled, follow the packaging and delivery instructions located inside of the water collection kit.



Figure 8

12. Safely secure the reservoir sampler at the scene until further instructions are provided. The sampler may need to be decontaminated before being removed from the site.