

Asbestos Form #2
ACP / Aggressive Index Determination

This form is to be completed only by public water systems that have determined or suspect asbestos cement piping/components (ACP) to be present in the water system's distribution network. This form will assist systems with evaluating the corrosive nature of the water (via aggressive index calculation) to determine if asbestos monitoring in the distribution system will be required. Systems that have ACP and also have aggressive water will be required to monitor for asbestos. Systems that have ACP but do not have aggressive water will be eligible for a waiver.

Water System Name: _____

PWSID #: _____

- 1) Please use **Table 1** below to identify the location and approximate length of each area served by ACP in your distribution system network. Please indicate whether or not an area with ACP is considered physically or hydraulically isolated from other distribution areas.
- 2) If ACP is present in your distribution system, and you would like to be eligible for a waiver from asbestos monitoring, you must determine the Aggressive Index of the water using recent water quality data (for each physically or hydraulically isolated distribution system area with ACP) and the calculation provided below.
 - Analysis of a **distribution system sample** for pH, alkalinity, and hardness is required. The results must be from **within the past 3 years**, and a copy of the supporting analytical data must be attached.
 - To calculate the Aggressive Index of the water, please use the following formula:

$$\text{pH} + \log \text{ of (Alkalinity x Hardness)*} = \text{Aggressiveness Index}$$

Example: $(7) + \log (100 \text{ mg/L} \times 100 \text{ mg/L}) = \text{Aggressiveness Index}$
 $(7) + \log (10,000) \text{ or } (7) + (4) = 11$

*Note: alkalinity and hardness will both be equal to the concentration of CaCO₃ (in mg/L or ppm) in finished water for this calculation.

- Record the aggressive index calculation results in the appropriate column of **Table 1** below.

If the Aggressive index is > 11 , your water system is eligible for a waiver from asbestos monitoring in this area.

If the Aggressive index is ≤ 11 , a distribution sample for asbestos must be collected and analyzed.

