Thesis Title The Ascertaining of Asbestos fibers from Asbestos Cement Pipes

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ABSTRACT

The study of asbestos fibers in water supply which passed through asbestos cement pipes under the highest pressure of 35 psi. was conducted. By setting the experimental model which could be controlled the internal pressure and water circulation. Type A and type B with 6 inches in diameter of new asbestos cement pipes were tested at 100 cycles of water circulation. Water samples were collected before and after passing the asbestos cement pipe at 10, 30, 50, 70, 90 and 100 cycles respectively. Then a transmission electron microscope was used to examine for chrysotile asbestos fibers.

The result indicated that chrysotile fibers were not found. It may be tap water which used in the experiment was moderately aggressive water or the water

velocity in the pipe was relatively low or the asbestos cement pipes which were used in this experiment had good quality.