

March 28, 2002

To: Mayor & Members of Council
District of North Vancouver

From: Corrie Kost
2851 Colwood Dr.
North Vancouver, V7R2R3

Re: Status of District of North Vancouver Water Mains

The following is based on district reports and NSN articles.

In 1995 it was reported that the District/s water mains fall into 3 categories:

- Cast iron
- Asbestos-concrete
- Ductile iron

According to the then District Director of Parks and Engineering Services John Bremner the cast iron pipes which have a life expectancy of ~50years were used in the water delivery system up to the late '50's and early 60's.

What is left of the corrosion-prone cast-iron pipes made up about 15% of the distribution system in 1995.

During the '60s and into the early '70's the district used asbestos-concrete pipes in its building and replacement programs.

The pipe, which had **asbestos fibres imbedded in the cement** for added strength, was popular in many municipalities at the time **and in 1995 made up about 40% of the district's distribution program.**

It was estimated in 1995 that to replace the 55% of the system (cast iron and asbestos-cement portions) would cost \$83million.

I would appreciate a reply to the following questions:

How much of the asbestos-cement system is still to be replaced?

In total what % of the water mains has been replaced since 1995?

What is the current age distribution (by type) of all our water mains?

Yours truly,

Corrie Kost

CC: FONVCA