37368

February 2, 1978

Subject: Asbestos analysis of water from Little Falls, N.J.
From: P. Snyder
To: E. McFarren

Sample Number	Description	Volume Filtered	Asbestos Concentration
30563	Delivered Water Tap	100 ml	A - less than 144,000 F, C - less than 144,000 F.
30564	River Intake	50 ml	A - less than 288,000 F, C - 769,000 F/L
—	Blank	250 ml	A - less than 58,000 F C - less than 58,000

Both water samples contained a lot of biological material including diatoms, but the river intake contained more. The river intake also contained several nonasbestiform fibers. Most of ~~which~~ the fibers were compos of aluminum and silica with small amo of calcium, iron and sometimes titanium. Several of these fibers resembled chrysotile, be they seemed to have a central channel. Bui

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when SAED and EDS were used, the fibers were definitely not asbestos. The large amount of biological material and other debris in the samples often interfered with SAED, so EDS had to be done on most fibers.

SAED - Selected area electron diffraction
EDS - energy dispersive x-ray spectrometry