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City of Mountain View
Water Pollution Control

RAYTHEON

RAYTHEON COMPANY

SEMICONDUCTOR DIVISION

MOUNTAIN VIEW OPERATION
350 ELLIS STREET
MOUNTAIN VIEW, CALIFORNIA

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November 10, 1964

Mr. A. M. McKinnon
Engineering Department
City Hall
Mt. View, California

Sugject: Cyanide Waste in the City Sewer Lines

Dear Mr. McKinnon:

We are investigating a project to be submitted to our Management to set up a new plating system which will utilize gold and copper cyanide plating solution. The anticipated maximum cyanide solution in the rinse water would be a total of 88 ounces per day. Our present total consumption of water is 184,720 gallons per day, which would yield a 3.7 parts per million contamination of cyanide.

The California Filter Company, 1300 Rollins Road, Burlingame, California, suggests a conversion of cyanide to cyanate. This would mean we would be adding 3.7 parts per million of cyanate per day, to the city sewer system. Would this contamination level meet the city's requirement? The proposed system would be accomplished by collection and detention in a 1,000 gallon tank with the necessary mixers, sump pump, pH indicator-controller alkali feeder, hypochlorinator and necessary flow controls to maintain the conversion of cyanide to cyanate in solution.

Please advise, at your earliest convenience, if this proposed solution would be acceptable or indicate what the accepted waste conditions the City of Mt. View would require. Thank you.

Sincerely yours,

RAYTHEON COMPANY

Frank L. Watkins
Facilities Section Head

FLW:vm