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April 19, 1971

H. A. Halbeam, Chief Building Inspector

Blaine L. Harrison, Assistant Director of Public Works

Fairchild Semiconductor Corporation: Settlement Tank for the Removal and Recovery of Trichlorethylene (TCE)

The settlement tank proposed to be constructed as a part of the southern addition to the Fairchild Plant has been reviewed with respect to its effective operation.

It appears that the tank will be effective in preventing the TCE from entering the city sewer system only if the company establishes and maintains an effective periodic removal program. Since there have been no automatic removal devices provided in this design, we will again be faced with the definite and real possibility of receiving a large quantity of TCE into the sewer system due to negligence on the part of the operators of the company.

If automatic removal equipment is not installed, an added precautionary feature could be incorporated into the present design by lowering the recovery well by approximately 6" or more. This would provide an additional 200 gallons for storage of the recovered chemical. In fact, the lower the recovery well is with respect to the settling well, the more effective the tank will be in insuring that no TCE will be discharged into the sewer.

A small manhole should be provided between the settling tank and the property line to allow for inspection by City personnel.

Please inform Fairchild officials of our recommendations and attempt to work out a satisfactory arrangement.

ORIGINAL SIGNED BY
BLAINE L. HARRISON

BLAINE L. HARRISON

attach (1 set prints)
BLH:po

cc: City Manager
Dir. Public Works
Public Works Supt.
H. P. Anderson
Sewer Foreman