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RAYTHEON

RAYTHEON COMPANY

COMPONENTS DIVISION

SEMICONDUCTOR OPERATION
350 ELLIS STREET
MOUNTAIN VIEW, CA 94040

TEL: 415-968-9211
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March 15, 1967

McKinnon			
Sea			
Hinkley		HANDLING	
McPheeters		DISCARD	
Shelley		FILE	✓

Mr. George L. McPheeters
Department of Public Works
City Hall
Mt. View, California

Dear Mr. McPheeters:

On the day in question, Thursday, February 23, we did have an erratic malfunction of one of our glass electrodes in the neutralization system. The element became inoperative, therefore, did not modulate the flow of caustic which was not needed in the system. Immediately, upon notification by your people, we took corrective measures and stopped the malfunction.

Our normal daily inspection was completed in the morning, when we inspect both of our neutralization systems and this malfunction occurred after the daily round. Since this time, we have initiated two daily inspections and will continue to follow this procedure from now on.

We have not changed our neutralization system, or our process drains. We have three separate drains; one for acid, one for trichlorethylene, and one for methylethyl ketone reclamation. We collect these solvents in separated drains which are independent of the acid waste and sell the trichlorethylene to a commercial vendor.

Each pH controller has a recording sheet and I review these daily to try to maintain maximum control on the effluent from the plant. A summary of our neutralization system is as follows. Each system has two cascade tanks with separate recording controls. The first tank brings the control point to a pH of 5. The waste is then transferred to a second tank, where it is controlled at 7 1/2 to 8 pH. This way, we have been able to control the waste and have a better chance of being sure of our effluent.

I am sorry we did not catch the malfunction soon enough on February 23. Please advise if you need any more information from us.

Very truly yours,

RAYTHEON COMPANY

F. I. Watkins

Frank I. Watkins
Facilities Manager

FIW:vm