

November 26. 1990

Sine Control International, Inc.
1571-G Parkway Loop
Tustin, CA 92680
Attn: Tom Rivera

Re: Performance of equipment

Dear Tom:

We recently needed to provide clean power for an X-ray room at Queen of the Valley Hospital in West Covina. Due to the extensive use of modern electronic systems in the X-ray room, voltage spikes (surges) could not be tolerated. Monitoring of the power with a BMI 4800 monitor for 20 days showed a considerable number of voltage spikes on all three phases to ground as well as ground to neutral. The "before" graph enclosed was typical of the power in the room for a 24 hour period.

We installed your voltage surge suppressor Model #4827VF3-MT on the distribution panel that feeds the room and then monitored the power from the same site as before. The result is the "after" chart. Of particular interest is the fact that this Phase A-Neut was the only parameter that printed a graph. This means that the other parameters (Phase B-Neut, Phase C-Neut, Neut-Ground) were "no-report" i.e., there were no voltage spikes to report.

All other voltage surge suppressors we are familiar with start suppressing at some factor of peak voltage (usually 1.6 - 2.0). On this 480/277 volt circuit that would mean that any spike of up to 800 volts (approx.) would pass through to the equipment. Your equipment virtually eliminated all voltage surges (spikes) and the 3 - 13 volt spikes that did get past are of absolutely no consequence. Needless to say we are very pleased with the performance of your equipment and would recommend it to anyone.

Just thought you would like to know.

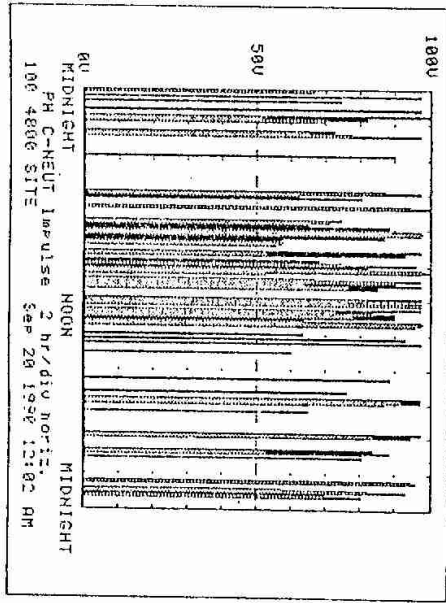
Sincerely,

E. H. BUTLAND DEVELOPMENT CORP.

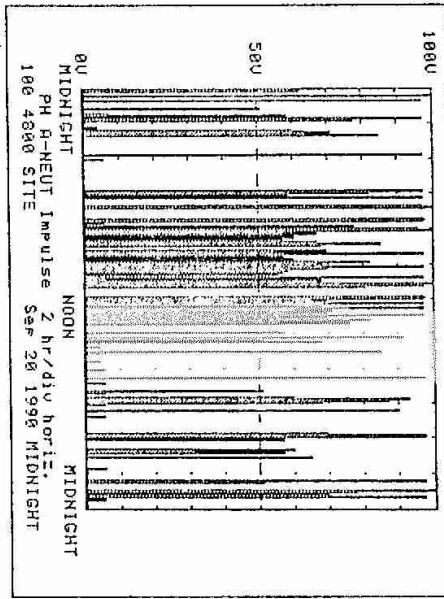


HAROLD LUNT, Electrical Manager
enc.
HL/jw #387

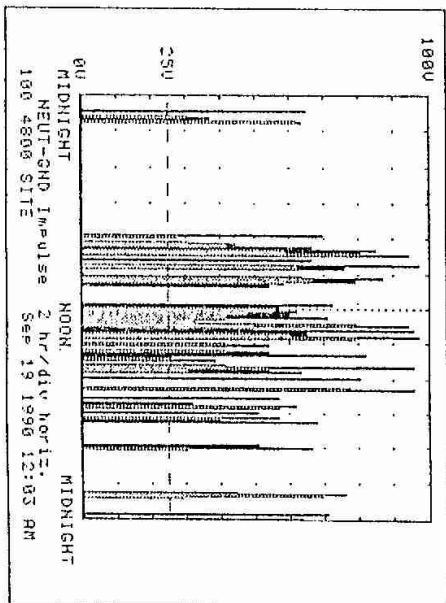
100 4800 SITE Sep 20 1990
PH C-NEUT Impulse 12:02:38 AM
Imp: 7421 counted, > 100 Upk max



100 4800 SITE Sep 20 1990
PH A-NEUT Impulse 12:00:37 AM
Imp: 611 counted, > 100 Upk max

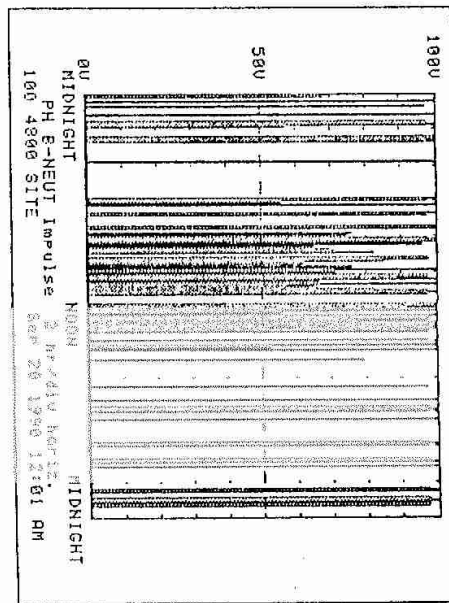


100 4800 SITE Sep 19 1990
NEUT-GND Impulse 12:03:47 AM
Imp: 905 counted, > 100 Upk max



BMI

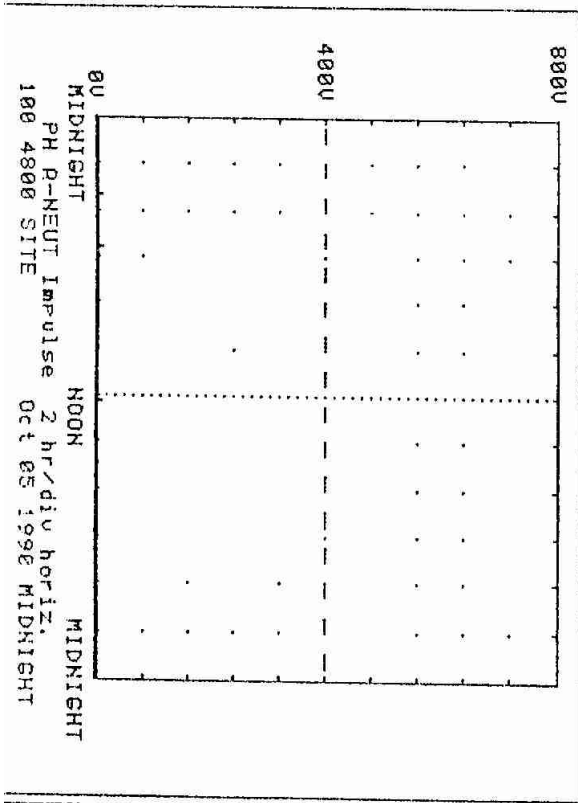
100 4800 SITE Sep 20 1990
PH B-NEUT Impulse 12:01:24 AM
Imp: 11083 counted, > 100 Upk max



BMI

After

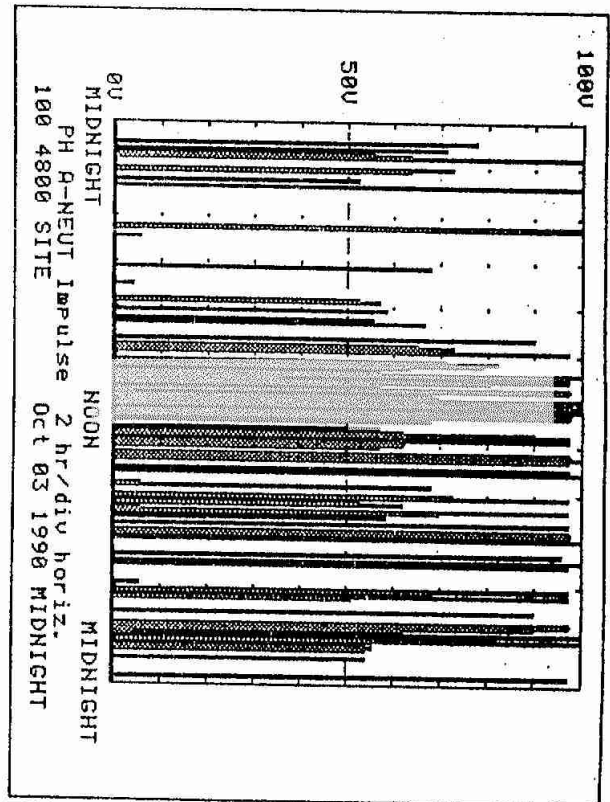
0 4800 SITE Oct 05 1990
R-NEUT Impulse 12:00:37 AM
IMP: 3 counted, 13 Upk max



BMI

Before

100 4800 SITE Oct 03 1990
PH A-NEUT Impulse 12:00:38 AM
IMP: 1238 counted, > 100 Upk max



BMI