



Power Authority of the  
State of New York  
Indian Point Unit #3

Docket No. 50-286

LER-78-019/01T-0

On August 15, 1978, discussions between Consolidated Edison Company of New York and Copes-Vulcan representatives indicated that a discrepancy existed between the specified and the as supplied value of Cv for the two newly-installed pressurizer power operated relief valves. These valves (supplied by Copes-Vulcan) were installed during the 1977 Fall Turbine Outage. On August 17, 1978, Con Edison notified the Power Authority of this discrepancy. This event is of the type defined in Technical Specification 6.9.1.7.1(i) and was initially reported to your office on August 18, 1978.

The specified value (Cv = 50) is the original design value assumed in the analysis for the recently-installed Overpressurization Protection System. The as supplied value (CV = 38.5) results in reduced relieving capability for these valves, thus permitting operation in a manner less conservative than that previously assumed.

An analysis was conducted dealing with the design of the Overpressurization Protection System. From the analysis for that system, two cases are presented below:

<u>Case</u>	<u>Mass Input @ 100 F</u>	<u>Heat Input @ 250 F</u>
For Cv = 50, Worst Case Peak Pressure	520 psig	1313 psig
Appendix G limit*	605 psig	1430 psig
For Cv = 38.5, Worst Case Peak Pressure	524 psig	1381 psig

Using NRC staff acceptance criteria for OPS design, the Worst Case peak pressure parameters for Cv = 38.5 still fall within the acceptance criteria. It is concluded, therefore, that continued operation under these conditions is permissible.

To correct the discrepancy regarding the Cv of these valves, the vendor will supply replacement trim for the two valves in question. This replacement trim will be installed as outage schedules permit.

\* Based on 0°F/Hr. heatup rate.