

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

RELATED CORRESPONDENCE

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

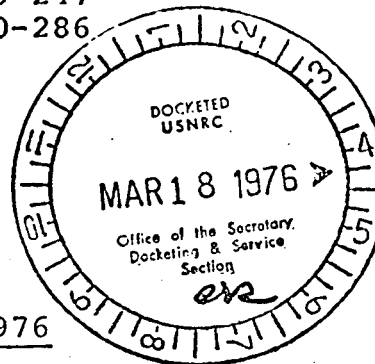
In the Matter of )

CONSOLIDATED EDISON COMPANY )  
OF NEW YORK, INC. AND POWER )  
AUTHORITY OF THE STATE OF )  
NEW YORK )

Docket Nos. 50-3  
50-247  
50-286

(Indian Point Station, Unit )  
Nos. 1, 2 and 3) )

CITIZENS' COMMITTEE FOR PROTECTION OF THE  
ENVIRONMENT'S (CCPE) SUPPLEMENTAL RESPONSE  
TO CON EDISON'S/PASNY AND NRC STAFF'S  
WRITTEN INTERROGATORIES, DATED JANUARY 30, 1976



Dr. Lynn Sykes has revised slightly his location of the 1951 Rockland County macro-earthquake from  $41^{\circ}10.1'N$ ,  $74^{\circ}05.2'W$  to  $41^{\circ}09.0'N$ ,  $74^{\circ}07.6'W$ . The revised location is within one kilometer of the fault.

The revision is mandated by a systematic error in the orientation of the Palisades instruments at the time of the 1951 earthquake. At the time of Dr. Sykes' initial computations, the 1951 earthquake was believed to have an azimuth of  $N40^{\circ}W$  from the Palisades seismograph station. However, in calibrating the azimuths of arrivals to Palisades from approximately twenty distant earthquakes of known location occurring in 1951 and 1952, Dr. Sykes discovered that the Palisades instruments had a systematic misalignment of  $8^{\circ}\pm 1^{\circ}$  off from the cardinal azimuths of north and east. Correction of that error places the 1951 earthquake  $N48^{\circ}W\pm 4^{\circ}$  from Palisades.

When only the P and S times of the stations -- Palisades, Fordham, and City College -- were used in computing a location, the

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same hypocentral location was obtained as that in which the azimuth was also used as a constraint.