

Quarterly Data Report
SHNPP Seismic Monitoring Program
July 1, 1979 - September 30, 1979

Carolina Power & Light Company has completed another quarter of operation of its seismic monitoring program at the Shearon Harris Nuclear Power Plant site near New Hill, North Carolina. During this period a total of 166 cultural events were recorded with an S-P of less than 5 seconds. No local earthquakes were detected.

Of these 166 events, 151 were confirmed as being explosions by the responsible companies or agencies. The remaining 15 events displayed the signature and arrival pattern of previously identified cultural events and all of them occurred during daylight hours. Only one of these events was recorded on a weekend or holiday:

<u>Date</u>	<u>Day</u>	<u>GMT at Sta. 4</u>	<u>S-P at Sta. 4</u>	<u>Probable Source</u>
7/4/79	Independence Day	13:16:23.3	4.4	Highway Construction

The signature and arrival pattern of this event are identical to 12 other events recorded during this quarter that were confirmed as being explosions from highway construction.

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