

QUARTERLY DATA REPORT  
SHNPP SEISMIC MONITORING PROGRAM  
OCTOBER 1, 1981 - DECEMBER 31, 1981

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 52 cultural events were recorded with an S-P of less than 5 seconds. No local earthquakes were detected.

Of these 52 events, 45 were confirmed as being explosions by the responsible companies or agencies. The remaining 7 events displayed the signature and arrival pattern of previously identified cultural events and all of them occurred during the daylight hours. Only one of these events was recorded on a weekend or holiday:

<u>Date</u>	<u>Day</u>	<u>GMT</u> <u>at Sta. 4</u>	<u>S-P</u> <u>at Sta. 4</u>	<u>Probable Source</u>
11-7-81	Saturday	12:21:40.4	4.4	Garner Quarry

The signature and arrival pattern of this event are identical to 3 other events recorded during this quarter that were confirmed as being explosions from the Garner Quarry.

