



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

P.O. BOX 97 ■ PERRY, OHIO 44081 ■ TELEPHONE (216) 258-9797 ■ ADDRESS-16 CENTER ROAD
FROM CLEVELAND: 241-1650

Serving The Best Location in the Nation
PERRY NUCLEAR POWER PLANT

Al Kaplan

VICE PRESIDENT
NUCLEAR GROUP

August 29, 1989
PY-CEI/NRR-1055 L

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Seismic Quarterly Report
Number 11

Gentlemen:

Enclosed for your information is Seismic Monitoring Quarterly Report Number 11 for the CEI operated Micro-net, which is monitoring an area in the vicinity of two waste injection wells located 3 miles south of the PNPP site. This report provides data and event analysis for the time period between April 1, 1989 and June 30, 1989. Also incorporated is information related to the installation of an additional temporary sixth station named GEN (for Geneva).

Monitoring Results

This quarter experienced very little microseismicity, limited to two events with one event on May 30, 1989 ($M_c = -0.4$) within the corridor and a second event on June 15, 1989 ($M_c = -0.4$) near Fairport Harbor outside of the corridor. Depths of these events remain at approximately 2 km.

Addition of Sixth Monitoring Station

As noted in the last quarterly, CEI has been pursuing the addition of a sixth station (GEN) in the northeastern most portion of the corridor in Ashtabula County. This temporary station installation was completed in this quarter and the station integrated into the system at the end of June. With the addition of the station CEI will improve the hypocentral location of any future events near Madison-on-the-Lake which experienced a magnitude $M_c = 2.4$ on December 15, 1988.

Should you have any questions related to this report, please contact us.

Very truly yours,

Al Kaplan
Vice President
Nuclear Group

AK:njc

Enclosure

cc: T. Colburn

P. Hiland

Leon Reiter

8909050445 890829
PDR ADOCK 05000440
R PDC

Cool
1/1