

**Levy Nuclear Plant Units 1 And 2
COL Application
Part 2, Final Safety Analysis Report**

LNP COL 2.5-1
LNP COL 2.5-2

**Appendix 2AA
Earthquake Catalog**

| Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | m_b^* | m_b | Type | EPRI Flag | $R^{(a)}$ (km) | M | Mo (dyne cm) | Event No. |
|------|-------|-----|------|--------|--------|----------|-----------|-------|---------|-------|-------|-----------|----------------|-----|--------------|-----------|
| 1826 | 2 | 26 | 14 | 0 | 0 | 30.08 | -81.56 | 0 | 3.64 | 3.3 | Added | MAIN | 151.81 | 3.1 | 4.8641E+20 | 1 |
| 1852 | 5 | 7 | 22 | 0 | 0 | 29.73 | -84.99 | 0 | 4.14 | 3.8 | Added | MAIN | 240.86 | 3.5 | 2.0512E+21 | 2 |
| 1852 | 5 | 10 | 8 | 0 | 0 | 29.73 | -84.99 | 0 | 4.54 | 4.2 | Added | MAIN | 240.86 | 3.8 | 6.6527E+21 | 3 |
| 1879 | 1 | 13 | 4 | 45 | 0 | 29.5 | -82 | 0 | 4.63 | 4.30 | EPRI | MAIN | 76.62 | 3.9 | 9.0573E+21 | 4 |
| 1886 | 9 | 1 | 0 | 0 | 0 | 30.4 | -81.7 | 0 | 3.64 | 3.3 | Added | MAIN | 172.17 | 3.1 | 4.8641E+20 | 5 |
| 1887 | 1 | 7 | 14 | 22 | 0 | 30.33 | -81.66 | 0 | 4.14 | 3.8 | Added | MAIN | 167.69 | 3.5 | 2.0512E+21 | 6 |
| 1893 | 6 | 21 | 7 | 7 | 0 | 30.4 | -81.7 | 0 | 3.64 | 3.3 | Added | MAIN | 172.17 | 3.1 | 4.8641E+20 | 7 |
| 1900 | 10 | 31 | 16 | 15 | 0 | 30.4 | -81.7 | 0 | 4.04 | 3.70 | EPRI | MAIN | 172.17 | 3.4 | 1.5417E+21 | 8 |
| 1935 | 11 | 14 | 3 | 10 | 0 | 29.6 | -81.7 | 0 | 3.45 | 3.11 | EPRI | MAIN | 106.77 | 2.9 | 2.8438E+20 | 9 |
| 1948 | 11 | 8 | 17 | 44 | 0 | 26.5 | -82.2 | 0 | 3.45 | 3.11 | EPRI | MAIN | 289.64 | 2.9 | 2.8438E+20 | 10 |
| 1952 | 11 | 18 | 20 | 12 | 0 | 30.6 | -84.6 | 0 | 3.45 | 3.11 | EPRI | MAIN | 255.39 | 2.9 | 2.8438E+20 | 11 |
| 1953 | 3 | 26 | 0 | 0 | 0 | 28.6 | -81.4 | 0 | 3.45 | 3.11 | EPRI | MAIN | 130.37 | 2.9 | 2.8438E+20 | 12 |
| 1973 | 10 | 27 | 6 | 21 | 2 | 28.48 | -80.65 | 5 | 3.47 | 3.48 | EPRI | MAIN | 203.48 | 3.2 | 8.1320E+20 | 13 |
| 1975 | 12 | 4 | 11 | 57 | 0 | 29.2 | -81 | 0 | 3.41 | 3.29 | EPRI | MAIN | 158.27 | 3.1 | 4.7000E+20 | 14 |
| 2001 | 6 | 11 | 18 | 27 | 54.25 | 30.23 | -79.89 | 10 | 3.29 | 3.30 | Post | | 293.82 | 3.1 | 4.8641E+20 | 15 |

Note:

a) Distance from LNP site.