

Maruvada, P.S., Jutras, P. 1991

**Caractérisation des champs électrique et magnétique dans différents milieux
(Characterization of electric and magnetic fields in various environments).**

Montréal (Qc) : Hydro-Québec. 76 p. (Report in French)

Abstract: To assess the possible effects on human health of exposure to 60-hertz electric and magnetic fields, the levels of these fields in the environment must be known. For this reason, Hydro-Québec's research institute has conducted systematic short- and long-term measurements in various environments: residential, industrial, offices, farms, powerhouses and substations, and transmission and distribution line rights-of-way. This report describes the measuring instruments and methods used in the study, the actual findings and some statistical analyses. The findings were also published in the Institute of Electrical and Electronics Engineers (IEEE) journal: P.S. Maruvada, "Characterization of Power Frequency Magnetic Fields in Different Environments", IEEE Transactions on Power Delivery, V.8, no 2, April 1993, 598-606