

REPORT from: NEMKO AS			
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Title Determination of sound levels – Power transformer	Report no 2	Date 20 March 2006	
Author Arve Bugten	Project no ABU0017/06	# pages (1. page included) and # annex 8 and 2	
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<u>Summary:</u> This report gives the results of a sound measurement on a 3 phase oil immersed, 2000 kVA power transformer (Serial no: 0600206). The measurement is carried out according to IEC 60076-10, with a measurement distance $x = 0,3$ m. Date of test: 28 February 2006. Place: High Voltage Laboratory, SINTEF Energy Research Persons present during the measurements: Kårstein Longva (MØRE TRAFØ AS) Arnulf Karlsvik (MØRE TRAFØ AS) Terje Værnes (MØRE TRAFØ AS) Rolf Hegerberg (SINTEF Energy Research AS) Horst H. Förster (SINTEF Energy Research AS) Arve Bugten (Nemko) <u>The following measured sound levels were stated:</u> $\overline{L_{pA0}} = 48,5 \text{ dB(A)}, \text{ when } x = 0,3 \text{ m}$ $\overline{L_{pA}} = 47,8 \text{ dB(A)} = 48 \text{ dB(A)}, \text{ when } x = 0,3 \text{ m}$ $L_{WA} = 60 \text{ dB(A)}$ The actual load condition is described in section 2 in this report.			