

Implementation Plan for Renewal of Quality Powered Mechanical Equipment Label

INTRODUCTION

1. Quality Powered Mechanical Equipment (QPME) are construction equipment items that are new, notably quieter, more environmentally friendly and efficient.

2. Since 1 April 2013, the QPME system administered by the Environmental Protection Department (EPD) was refined by introducing a validity period for each QPME label. For a piece of new equipment (i.e. age less than one year), its label will be valid up to 6 years from the date of issuance and the label can be renewed before expiry. All labels issued before 1 April 2013 will expire on 1 April 2019.

3. The no. of QPME labels that will expire between now and 2021 are as follows:

	2017	2018	2019	2020	2021
Number of QPME labels that will expire	4	35	2067	596	799

4. To apply for label renewal, the following documents for the equipment are required to be submitted:

- **a noise measurement report validated by an acoustical professional;**
- and
- **a 2-year maintenance record prepared within 6 months prior to the renewal application and endorsed by a competent mechanical professional.**

IMPLEMENTATION DETAILS

5. Applications to renew a QPME label are required to be submitted, **within 6 months before its expiry date**, and shall demonstrate that the QPME still maintains its quality performance in both operation and noise emission (i.e. complying with the relevant requirements).

6. The noise measurement report for supporting the QPME label renewal application should verify that the equipment has been tested under the testing procedures laid down in the European Union (EU) Directive 2000/14/EC or Regulations of Ministry of Land, Infrastructure, Transport and Tourism (MLIT) of Japan. The report should contain measurement plan

and data, and photos of the equipment under test to prove compliance with the permitted noise levels as stated in the original QPME label. The noise measurements shall be carried out **within 1 year before the date of renewal application** and validated by a competent acoustical professional. Acoustical professionals recognized as competent professionals in EU countries (e.g. relevant Notified Bodies as recognized for EU Directive 2000/14/EC), Japan (e.g. relevant Certified Environmental Measurers registered under Ministry of Economic, Trade and Industry of Japan) or Hong Kong (e.g. Corporate Members of Hong Kong Institute of Acoustics) will also be considered acceptable for the purpose of this noise measurement requirement.

7. Maintenance records should be properly prepared in accordance with the maintenance procedures as recommended by the equipment manufacturer. Maintenance records including maintenance logbook and recent photos of the equipment should be prepared/endorsed by a competent mechanical professional who can be (i) a representative appointed by the relevant manufacturer; or (ii) a representative appointed by the agent of a service centre or workshop authorized / recognized by the relevant manufacturer; or (iii) an independent assessor of the relevant profession (e.g. relevant surveyor, Registered Professional Engineer (RPE) in Mechanical Discipline of The Hong Kong Institution of Engineers), or other equivalent competent persons accepted by the EPD.

8. Subject to the satisfactory submission of the noise measurement report and maintenance records, the QPME label may be renewed for 6 more years after the original expiry date. The EPD may cancel a QPME label if it is satisfied that on the application of the label, the applicant gave misleading, false, wrong or incomplete information.

Noise Management and Control Section, Regional Assessment Group, EPD

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