



## **MOLONEY & ASSOCIATES**

Acoustic and Environmental Consultants



**Established in 1994, Moloney & Associates is an independent consultancy with extensive experience in occupational and environmental noise. Working for clients in the public and private sectors, Moloney & Associates have provided expert consultancy services to many local authorities and state agencies throughout Ireland.**

**Moloney & Associates** also provide consultancy to an extensive list of industrial clients, including: food industries, chemical, pharmaceutical, engineering and miscellaneous industrial and service industries. We have assisted clients in the design and planning stages of development and we also provide ongoing support and services to clients in the assessment and control of noise and vibration.

**Moloney & Associates** provide comprehensive acoustical services including:

- **Noise and vibration - monitoring and assessment services**
- **Nuisance and complaint investigation**
- **Preparing assessments for planning, and environmental licence applications**
- **The provision of tailored training seminars and workshops for personnel and management**
- **Implementing noise control and attenuation measures**
- **Developing Hearing Conservation Programmes**
- **Explaining the risks to hearing and providing user friendly guidance on hearing protection**
- **Risk assessments for hearing loss claimants**
- **Expert testimony and litigation support**

Our practice employs fully qualified staff with appropriate skills, expertise, qualifications (typically MSc and MIOA) and the necessary professional accreditation. All of our project work is undertaken to the highest specifications and we commit to providing all of our clients with:

- **High quality professional services adapted to meet individual clients' needs**
- **Cost effectiveness and total reliability**
- **Clear interpretation and reporting of results**
- **Practical guidance and services**
- **Expertly qualified and experienced consultants**
- **Effective management to meet all deadlines**
- **Independent and thorough consultancy and advice**

**Please contact Dermot Moloney or Valerie Caulfield to discuss any of your consultancy requirements.**

Greenhills House, Kilmoney, Carrigaline, Co. Cork, Ireland.

Telephone: **353 21 4374333** Fax: **353 21 4374336** Email: [info@env.ie](mailto:info@env.ie)



# MOLONEY & ASSOCIATES

Acoustic and Environmental Consultants

## Major provisions of Directive 2003/10/EC regarding the exposure of workers to noise:

### Noise Exposure $L_{EX,8h}$ or $L_{EP,d}$ likely to equal or exceed 80 dB(A)

- Employers have a general duty to eliminate exposure to noise and/or reduce to a minimum.
- Employers must consult with employees and or their representatives regarding the risk of noise exposure, the measures being taken to eliminate or reduce risks and the choice of hearing protection.
- Information and training should be given on issues such as: exposure limit values; results of assessments and measurements; the correct use of hearing protectors; why and how to detect and report signs of hearing damage; details of health surveillance schemes; and safe working practices to minimise exposure to noise.
- Employers must provide hearing checks when there is a 'risk to health'.
- Employers must make hearing protectors available and provide training and guidance in their use.

### Noise Exposure $L_{EX,8h}$ or $L_{EP,d}$ likely to equal or exceed 85 dB(A)

- Employers must identify and clearly indicate by signs, areas where workers are likely to be exposed to noise exceeding the upper exposure action value. These areas should be delimited and access to these areas should be restricted where feasible.
- Employers must reduce the exposure of workers as far as is reasonably practicable by both noise control measures and organisation of work.
- The elements which must be addressed as part of the noise control programme should involve: alternative working methods; the choice of equipment; the design and layout of workplaces and work stations; adequate training; reduction in air-borne and structure-borne noise; appropriate maintenance programmes; limitation of the duration and intensity of exposure; and appropriate work schedules with adequate rest periods.
- Employees must wear hearing protectors.
- Employers must take immediate action to reduce the exposure below 87 dB(A) (as an  $L_{EX,8h}$ ) at the ear and less than 140 dB(C) when measured as peak sound pressure. In addition, employers must identify the reasons for exceeding these levels and amend the control measures to prevent a recurrence.

### Directive 2003/10/EC – Limit and Exposure Values:

Parameter	Level and unit	Comment
Lower exposure action value	80 dB(A), $L_{EX, 8h}$ ( $L_{EP,d}$ )	reduced from 85 dB(A)
	135 dB(C), $P_{peak}$	new action value
Upper exposure action value	85 dB(A), $L_{EX, 8h}$ ( $L_{EP,d}$ )	reduced from 90 dB(A)
	137 dB(C), $P_{peak}$	reduced from 140 dB(C)
Exposure Limit Value (ELV)	87 dB(A), $L_{EX, 8h}$ ( $L_{EP,d}$ )	ELV takes into account the attenuation provided by hearing protectors
	140 dB(C), $P_{peak}$	

### Some of our clients:

ADM Ringaskiddy Ltd.  
 Allianz Corporate PLC  
 Axa Insurance  
 Boart Longyear  
 Brian McCarthy  
 Civil Engineering Contractors Ltd  
 Bulmers Ireland Ltd.  
 Cahil May Roberts  
 Clare County Council  
 Clonakilty Foods  
 Cooley Distillery PLC  
 Cork County Council  
 Cork Plastics  
 Cork University Hospital  
 Dawn Fresh Foods  
 Dawn Meats  
 Earthtech  
 EMC (Ireland)  
 Environmental Protection Agency  
 Fleming Construction  
 Flextronics International Ltd  
 Galway City Council  
 Grants of Ireland  
 IBEC  
 Indaver Ireland  
 Irish Distillers Ltd  
 JJ Coleman (Building Contractors)  
 Kerry County Council  
 Lackagh Quarries  
 Lidl Ireland  
 Littlefuse Ireland  
 Meath County Council  
 Murnane & O' Shea Ltd.  
 (Building Contractors)  
 National Environmental Services Agency  
 Nicholas O'Dwyer Consulting Engineers  
 O'Shea Leader Consulting Engineers  
 Dennis O'Sullivan Consulting Engineers  
 Pepsi Cola Manufacturing  
 Print & Display Ltd.  
 Ridge Developments  
 Siac Construction  
 Sita Environmental  
 Shinnick Plant Hire  
 Tarmac Flemming  
 Tipperary County Council (NR)  
 Tobin Environmental Services  
 Waterford Stanley  
 Wavin Ireland Ltd.

Greenhills House, Kilmoney, Carrigaline, Co. Cork, Ireland.

Telephone: 353 21 4374333 Fax: 353 21 4374336 Email: info@env.ie