



LEV DUTY HOLDERS' TRAINING DAY

PREPARING LEV SPECIFICATIONS

11TH SEPT 2025

HILTON HOTEL, LEICESTER

Information & Support

<https://oxyl8.com>

Delegate Area Access Code – “oxy2744”

The screenshot shows the OXYL8 website homepage. At the top, there is a navigation bar with the OXYL8 logo, contact information (+44 (0) 1479 872 518, admin@oxyl8.com), and a 'BOOK A COURSE' button. Below the navigation bar are links for TRAINING COURSES, DELEGATE AREA, LEVSHOP, NEWS, ABOUT, MY BOOKINGS, and CONTACT.

The main content area features a large banner for 'THE NO 1 PROVIDER OF LEV & Occupational Hygiene TRAINING COURSES' with a 'VIEW COURSE DATES / VENUES' button. Below the banner are links for 'Resource Database' and 'LEV Job Vacancies'.

A 'Latest News' section highlights a 'NEW Competency Register for LEV Specialists!!' and 'Free support/development days for anyone progressing towards their CoC(Control)'. Below this is a section for 'Expert LEV Training | Quality LEV Courses | Excellent Pass Rates | Best Tutors', followed by text stating 'OXYL8 are the leading experts in presenting high quality Local Exhaust Ventilation (LEV) training courses in the UK' and 'We have been BOHS Approved course providers for over a decade.' It also mentions 'OXYL8 Training Courses are presented in a professional, engaging and entertaining style which has become our hallmark. And, our Tutors are simply the best in the industry.' and 'All course materials are comprehensive, clear, well laid out and detailed.'

At the bottom left, there is a small image showing OXYL8 training materials and a penguin mascot. On the right side, there is a 'How Can We Help?' contact form with fields for Name, Email Address, Telephone Number, and Enquiry, a CAPTCHA checkbox, and a 'SEND MESSAGE' button.

Some practical LEV specification points



- Produce a specification – it does not need to be a large document
- Company should look for productive benefits e.g. material & energy savings
- They should specify use of HSG 258 guidance & principles
- Have suitable inspection/cleaning and test points – that are accessible

Selecting Contractors

A Question of **Competence?**

- Knowledge
- Ability
- Experience
- (Antecedents)



Selecting TExT Contractors

A Question of **Competence?**

Is P601 sufficient for TExT?

Or should it be P601 + P602

Simple vs Complex LEV Systems

Commissioning?

Selecting Design Contractors

A Question of **Competence?**

And for LEV Design?

Should it be P601 + P602 + ??

Note:

No short (4-day) can make an LEV Specialist a
“Competent Design Engineer”

Specification document



- Describe the production process
- Numbers of people you think are exposed
- Are there any current LEV controls?
- What standard of LEV design and control do you need?
- LEV costs, and functionality should be specified
- Don't pay until the LEV is installed and is shown to work effectively
- Full instructions and training

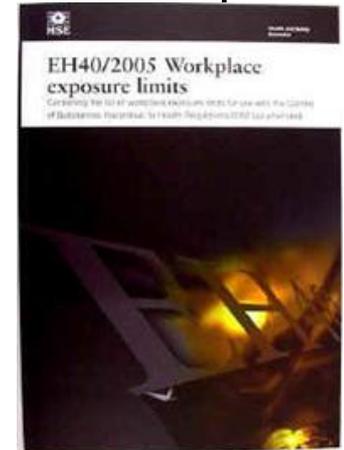
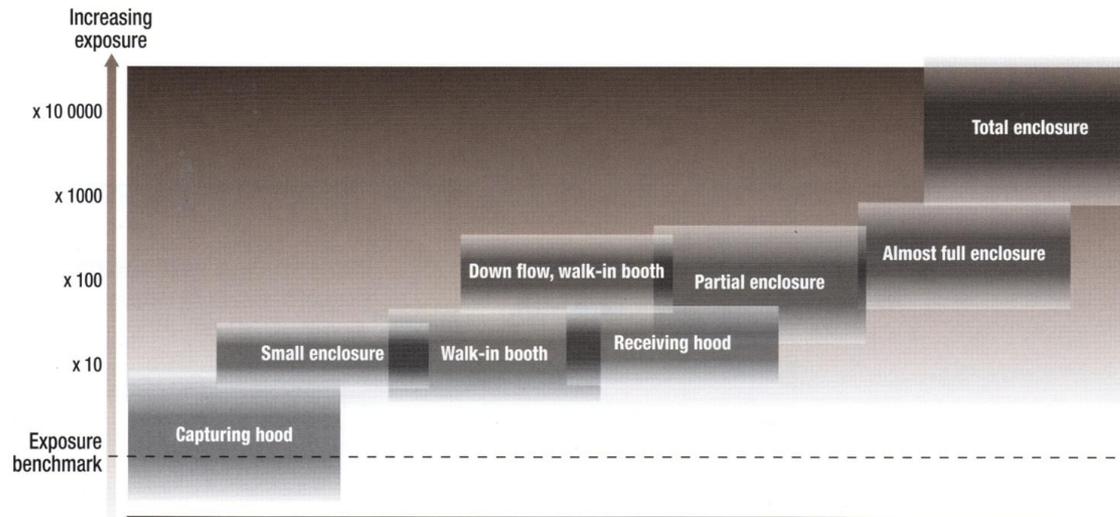
Outline of LEV specification process (1 of 2)



1. Identify all processes and sources to be controlled
2. Re-arrange processes to make them suitable for LEV application (may need help)
3. Assess shortcomings of existing LEV
4. Are some/all standard processes with standard & effective LEV designs?
5. Specify compliance with HSG 258 “Design principles” (inc para 100)

Benchmarking!

Outline of LEV specification process (1 of 2)



6. What benchmark(s) of control success are acceptable?

Outline of LEV specification process (2 of 2)



7. Invite tenders
8. Insist suppliers visit the site
9. Ask for references, examples of LEV work and qualifications
10. Select based on cost-effectiveness, competence and draw up a programme of work
11. Get detailed quotation, including drawings and standards to be worked to



What the LEV Examiner should do



-
- The examiner must be competent
 - Qualifications (P601?) and experience
 - The examiner must be provided with:
 - commissioning report
 - User Manual which should cover details of any thorough examination and testing work
 - the log-book recording checks and maintenance activities
 - full access to the systems and the co-operation of relevant staff
 - If no commissioning report or manual available:
 - The system will need to be retrospectively commissioned.

Step 1: Thorough visual and structural examination



May include as appropriate:

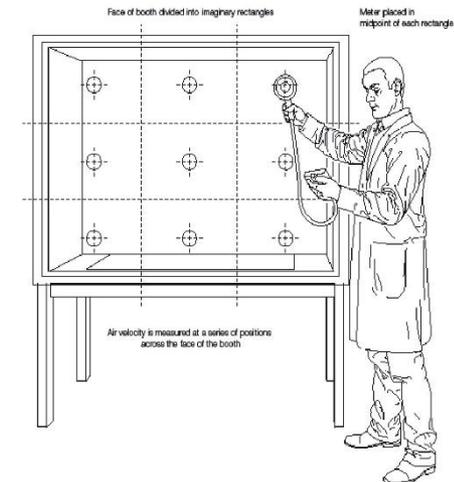
- External/internal examination for damage, wear and tear
- Checking that filter cleaning devices work, e.g. shake down
- Checking air cleaners, e.g. filter fabric
- Inspection of air mover mechanisms e.g. drive belts
- Look for indicators of ineffectiveness, e.g. dust deposits
- Check monitors, alarms etc

Step 2: Measurement of technical performance



May include as appropriate:

- Measuring air velocities and pressure at suitable test points
- Measuring system dimensions
- Checking fan speed, motor speed and electrical power consumption
- Checking make up air supply
- Testing alarms by simulating failure
- Measuring air temperatures
- Testing air cleaner performance (recirculating system)
- The examiner should calculate volumetric flow rates.



Step 2: Measurement of technical performance



The next steps are:

- Compare the results of testing with the LEV design specification from the User Manual and the system Log Book
- Diagnose the causes of any discrepancies
 - Examiner can make simple adjustments if required
 - If the defect is fundamental or obscure, the examination should stop until the system has been repaired
 - The examiner should warn the client promptly

Step 3: Assessment of control effectiveness



May include as appropriate:

- Observation – LEV matched to processes and sources?
- Adequate LEV hood/system airflow
- LEV system matches effective standard
- Where possible challenge tests with smoke with process running
- Dust lamp check of control effectiveness (with process running)
- Observe the way operators work
- Assessment of LEV effectiveness at controlling operators' exposure

What Should a Suitable Test Report Contain?



-
- Site and test details
 - Prioritised remedial actions (inc any red labels)
 - The process and substance/substances controlled
 - LEV diagram showing location and test points
 - LEV system condition inc photos, serial numbers etc
 - Qualitative and quantitative methods used
 - Qualitative and quantitative assessment records
 - Required and assessed LEV system performance compared
 - Comments on operator methods of working
 - Comments on system wear and tear
 - Date of next examination and test
 - Signature

LEV hood label



Inadequate control if the hood has failed

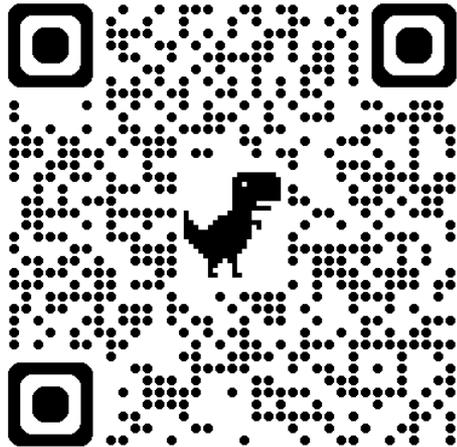
Test date:.....	F A I L
Next test:.....	
Examiner:.....	

- Examiner should issue a simple label for every hood examined and tested.
- Failure labels should be accompanied by a failure report.

Test date:.....	
Next test:.....	
Examiner:.....	

LEV Design & TExT Specifications

Both LEV TExT and LEV Design draft Templates in Word available by following the QR Code



LEV - Specification

Design, Installation & Commissioning of LEV Plant

Approved Date	Approved by:	
Date for Review:		

