

LEV Thorough Examination & Test Report

Section 1 Clients Details

Name:
Address:

Section 2 Site Details

Address/site:

Area/room number/name:

Conditions during test:

Section 3 LEV Plant Details

Serial number:

Asset
number:

Brief description of system:

(what to be controlled, how to be controlled, number of hoods to be used at any time, system details)

Description of process to be controlled:

(including: type of tool/equipment/machinery, frequency of process, duration of process, quantities of substances, operating temperatures, other control measures to be used)

Identify Hazardous Agent(s) to be controlled (chemical/biological):

(including: substance name, WEL, quantity being used, physical form, corrosivity, vapour density)

Has anything changed since commissioning?

Yes

No

Section 4 Executive Summary

Item

Responsible
person

Due date

- 1
- 2
- 3
- 4
- 5

LEV Thorough Examination & Test Report

Summary of the Assessment of Control

Satisfactory

Unsatisfactory

Section 5 Test Engineers Details

I can confirm that the system addressed by this report has been carried out in full accordance with COSHH Regulation 9 and is providing adequate control of the hazardous substance(s) being used.

Name:

Signature:

Contact details:

Section 6 Additional Plant Information

Frequency of testing: (Tick one)	Monthly	6 monthly	14 monthly	Other (specify)
-------------------------------------	---------	-----------	------------	-----------------

Evidence of: (Tick)	COSHH Reg 6 Risk Assessment	DSEAR Reg 5 Risk Assessment	Material Safety Data Sheets	
------------------------	-----------------------------	-----------------------------	-----------------------------	--

Evidence of: (Tick)	Design Specification	Logbook	O&M Manual	User training records
------------------------	----------------------	---------	------------	-----------------------

Section 7 DSEAR & ATEX

Is the substance: Flammable? **Y/N** Explosive? **Y/N**

Is the generation of an explosive atmosphere: (Tick one)	Present	Likely	Unlikely
DSEAR Zoning: (Tick one)	Work area	Hood	Plant
Lower Explosive Limit:		Upper Explosive Limit:	

Explosion vent panel:			
Is one required?	Y/N	Is one fitted?	Y/N
Is it venting to a safe place?	Y/N	Is it in good condition?	Y/N
Explosion non-return damper:			
Is one required?	Y/N	Is one fitted?	Y/N
Is the connecting ductwork suitable?	Y/N		

Section 8 Conclusions and Comments

e.g. repairs or adjustments made, items likely to fail prior to next test

- 1
- 2
- 3
- 4

LEV Thorough Examination & Test Report

Section 9

Schematic

Line schematic to show key components of the system.



Notes/Comments:

LEV Thorough Examination & Test Report

Section 10

Photographs

Photo

Description/Comments

1

2

3

4

5

LEV Thorough Examination & Test Report

Section 11 Assessment

Hoods								
Hood Ref	Type	Dimensions (m)	Benchmark		Airflow (m ³ /sec)	Measured		Test kit used Hotwire / Rotating Vane
	Receiving Capture Partial Full Enclosure Other (specify)		Static pressure (Pa)	Face Velocity (m/sec)		Velocity (m/sec)	Static Pressure (Pa)	

Hood diversity of in use at any given time.

Statement on effective capture zone:

The contaminant is / is not released in the effective capture zone of the hood.

Method of test:

(Provide photographic evidence)

Smoke release | Dust Lamp | Other (specify)

Notes/comments:

e.g. Comparison with commissioning, Installed in accordance with design, appropriateness, usage, effectiveness of control, air flow indication devices etc.

Clearance time		Is appropriate?		Measured		Comments
Hood Ref	Size	Benchmark		Measured		
	(m x m)	Air volume flow rate (m ³ /sec)	Clearance time (minutes)	Air volume flow rate (m ³ /sec)	Clearance time (minutes)	

Filter	Is a filter fitted?	YES (complete below)	NO (move to next section)
Visual assessment			

Filter type	Manufacturer
Model	Serial number
Filter media type	Filtration area (m ²)
Antistatic	Condition of filter media
Air Return to working environment (if yes see below)	Filter Monitoring e.g. Alarms
Cleaning device type (compressed air/shaker/water pump etc)	Condition
Duration of cleaning period	Frequency of cleaning
ATEX Rating	Explosion Relief
Earth bonding	Explosion relief location

LEV Thorough Examination & Test Report

Explosion non-return damper

High pressure ducting
(between plant and non-return damper)

Quantitative assessment

	Benchmark	Measured	Comments
Inlet Static pressure (Pa)			
Outlet Static (Pa)			
Differential Pressure (Pa)			
Volume Airflow rate (m ³ /hr)			
Contaminant Breakthrough		Filter efficiency	

Notes/comments:

e.g. Installed in accordance with manufacturers design, pressure gauges fitted either side of filter, noise levels, vibration, corrosion etc.

HEPA Filter

Is the air returned to the working environment?
Is a HEPA filter fitted?

YES (complete below)

NO (move to next section)

YES (complete below)

NO (move to next section)

Visual assessment

Filter type	Manufacturer
Model	Serial number
Filter media type	Filtration area (m ²)
Condition of filter media	Filter Monitoring e.g. Alarms
Has it been tested to ISO14644-3	Test results
Date of last test	Date of next test (minimum 6 to 12month)

Quantitative assessment

	Benchmark	Measured	Comments
Inlet Static pressure (Pa)			
Outlet Static (Pa)			
Differential Pressure (Pa)			
Volume Airflow rate (m ³ /hr)			
Contaminant Breakthrough		Filter efficiency	

Notes/comments:

e.g. Installed in accordance with manufacturers design, pressure gauges fitted either side of filter, compliance to ISO14644-3 etc.

LEV Thorough Examination & Test Report

Fan

Visual assessment

Fan type	Type of impeller
Manufacturer	Impeller plate RPM
Model	Impeller direction of rotation
Fan Serial number	Fan Monitoring - Alarms
ATEX Rating	Fan size
Direction of Rotation	

Quantitative assessment

	Benchmark	Measured	Comments
--	-----------	----------	----------

Static pressure:

Inlet (Pa)

Outlet (Pa)

Fan Volume Airflow rate (m³/hr)

Total pressure (Pa)

Notes/comments:

e.g. Installed in accordance with manufacturers design Are pressure gauges fitted either side of fan, noise levels, vibration, corrosion etc.

Fan Drive type	Direct		Belt	
Fan pulley size		No. of belts		
Motor pulley size		Belt type		
Pulley centres		Belt tension		
Measured fan RPM		Measured motor RPM		
Notes/comments:				

Motor

Electrical supply – Voltage	Motor rating (kW)
Manufacturer	Motor Current Plated (Amps)
Model	Motor Current Measured (Amps)
Motor Serial number	Motor plate RPM
ATEX Rating	
Notes/comments:	

LEV Thorough Examination & Test Report

Controls

On/Off or Variable Speed Drive	Manual / Automatic
Speed setting	Alarms / Warning devices fitted
Electrical compliance <small>(evidence of certification to IEE BS7671)</small>	Condition
Notes/comments:	

Other

Fire suppression system

Notes/comments:

Ducting

Visual assessment

Material	Condition – inside
Balancing dampers	Condition – outside
Flexible ducting condition	Inspection hatches
Earth bonding	Explosion hatches

Notes/comments:
e.g. Installed in accordance with design

Quantitative assessment

Test point Ref	Diameter (m)	Benchmark		Measured		Comment <i>e.g. Comparison benchmark v Measured, Potential for blockage, Ease of access, suitability of test point etc.</i>
		Static pressure (Pa)	Transport Velocity (m/sec)	Static pressure (Pa)	Transport Velocity (m/sec)	

Discharge Arrangement

Type	Location
Stack height	Stack discharge velocity

Notes/comments:
*e.g. Effectiveness, risk of
recirculation, effect on
neighbours, source of make-up
air etc.*

Air sampling results	Has air monitoring been conducted?	YES (complete below) <input type="checkbox"/>	NO (move to next section) <input type="checkbox"/>
-----------------------------	---------------------------------------	---	--

Report reference	Date of report
------------------	----------------

Notes/comments:

LEV Thorough Examination & Test Report

Section 12

Calibration Certificates

Hotwire Anemometer

Rotating Vane Anemometer

Manometer

Tachometer

Other:.....

Other:.....