Local Exhaust Ventilation (LEV) Thorough Examination & Test Report

System ID:

Date of Inspection:

Report Reference:

Summary of the Assessment of Control

Satisfactory

Unsatisfactory

System ID: Date of Inspection: Report Reference:

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System ID: Date of Inspection: Report Reference:	
Section 1 Executive Summary The "onter system description" has been subjected to a thorough examinate adequate control to comply with the Control of Substances Hazardous to Hamended). The outcome of this assessment is that the system has been dethere are some areas that require attention to improve the system or bring are listed below in order of priority	Health (COSHH) Regulations 2002 (as leemed Satisfactory / Unsatisfactory,
Item	Responsible Due date person
1 2 3 4 5	porton
Section 2 Clients Details	
Name: Address:	
Section 3 Site Details	
Address/site:	
Area/room number/name:	
Conditions during test:	
Section 4 LEV Plant Details	
Serial number:	Asset number:

Serial number:

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)

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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:	Monthly	6 monthly	14 monthly	Other (specify)
(Tick one)				
	'			
Evidence of:	COSHH Reg 6 Risk	DSEAR Reg 5 Risk	Material Safety	
	Assessment	Assessment	Data Sheets	
(Tick)				
Evidence of:	Design Specification	Logbook	O&M Manual	User training records
(Tick)				

Section 7 DSEAR & ATEX

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

Is the generation of an explosive atmosphere?	Present	Likely	Unlikely
(Tick one)			
DSEAR Zoning:	Work area	Hood	Plant
(Tick one)			
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
- 1

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Section 9	S
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Section 9 Schematic	
Section 9 Schematic Line schematic to show key components of the system.	

Notes/Comments:

Section 10 Photographs

Photo		Description/Comments

Section 11 Assessment

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

Hood diversity

Statement on effective capture

zone:

Method of test:

(Provide photographic evidence)

Notes/comments:

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

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

Smoke release | Dust Lamp | Other (specify)

Clearance time	ance time Is appropriate? YES (complete below)		NO (move to	next section)		
		Bench	mark		Measured	
Hood Ref	Size	Air volume flow rate	Clearance time	Air volume flow rate	Clearance time	Comments
	(m x m)	(m³/sec)	(minutes)	(m³/sec)	(minutes)	

Filter Visual assessment	Is a filter fitted?	YES (complete below) NO (move to next section)
Filter type		Manufacturer
Model		Serial number
Filter media type		Filtration area (m²)
Antistatic		Condition of filter media
Air Return to working environment (if yes see below) Cleaning device type (compressed air/shaker/water pump etc)		Filter Monitoring e.g., Alarms Condition
Duration of cleaning period		Frequency of cleaning
ATEX Rating		Explosion Relief
Earth bonding		Explosion relief location
Explosion non-return damper		High pressure ducting (between plant and non-return damper)

System ID: Date of Inspection: Report Reference:

Quantitative assessment			
	Benchmark	Measured	Comments
Inlet Static pressure (Pa)			
Outlet Static (Pa)			
Differential Pressure (Pa)			
Volume Airflow rate (m³/hr)			
Contaminant Breakthrough	Filter efficiency		
Notes/comments: e.g., Installed in accordance with manufacturers design, pressure gauge fitted either side of filter, noise levels, vibration, corrosion etc.	es		
HEPA Filter	Is the air returned to the	YES (complete below)	NO (move to next section)
	working environment? Is a HEPA filter fitted?	YES (complete below)	NO (move to next section)
Visual assessment			
Filter type		Manufacturer	
Model		Serial number	
Filter media type		Filtration area (m²)	
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		(IIIIIIIIIIIIIII 6 to 12IIIOIItii)	
	Benchmark Meas	ured	Comments
Inlet Static pressure (Pa)			
Outlet Static (Pa)			
Differential Pressure (Pa)			
Volume Airflow rate (m³/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.			

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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

Renchmark 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

Motor pulley size

Pulley centres

No. of belts

Belt type

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:

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Controls

On/Off or Variable Speed Drive Manual / Automatic

Alarms / Warning devices fitted Speed setting

Electrical compliance (evidence of certification to IEE BS7671)

Notes/comments:

Other

Fire suppression system

Notes/comments:

Ducting

Condition – inside Material

Balancing dampers Condition – outside

Flexible ducting condition Inspection hatches

Earth bonding **Explosion hatches**

Notes/comments:

e.g., Installed in accordance with design

Quantitative	assessment	Bencl	nmark	Mea	sured	
Test point	Diameter	Static pressure	Transport Velocity	Static pressure	Transport Velocity	Comment e.g., Comparison benchmark v Measured,
Ref	(m)	(Pa)	(m/sec)	(Pa)	(m/sec)	Potential for blockage, Ease of access, suitability of test point etc.

Discharge Arrangement

Type

Stack height Stack discharge velocity

Notes/comments:

e.g., Effectiveness, risk of recirculation, effect on neighbours, source of make-up

Air sampling results	Has air monitoring been conducted?	YES (complete below)	NO (move to next section)	
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Date of report

Notes/comments:

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Section 12 Calibration Certificates			
Hotwire Anemometer	Rotating Vane Anemometer		
Manometer	Tachometer		