



# LEV Commissioning Report

<h2>Satisfactory</h2>	<h2>Unsatisfactory</h2>
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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 can be used as the data required for a comparison for ongoing Text Reports.

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 Assessment	DSEAR Reg 5 Risk Assessment	Material Safety 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
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

- 1
- 2
- 3
- 4

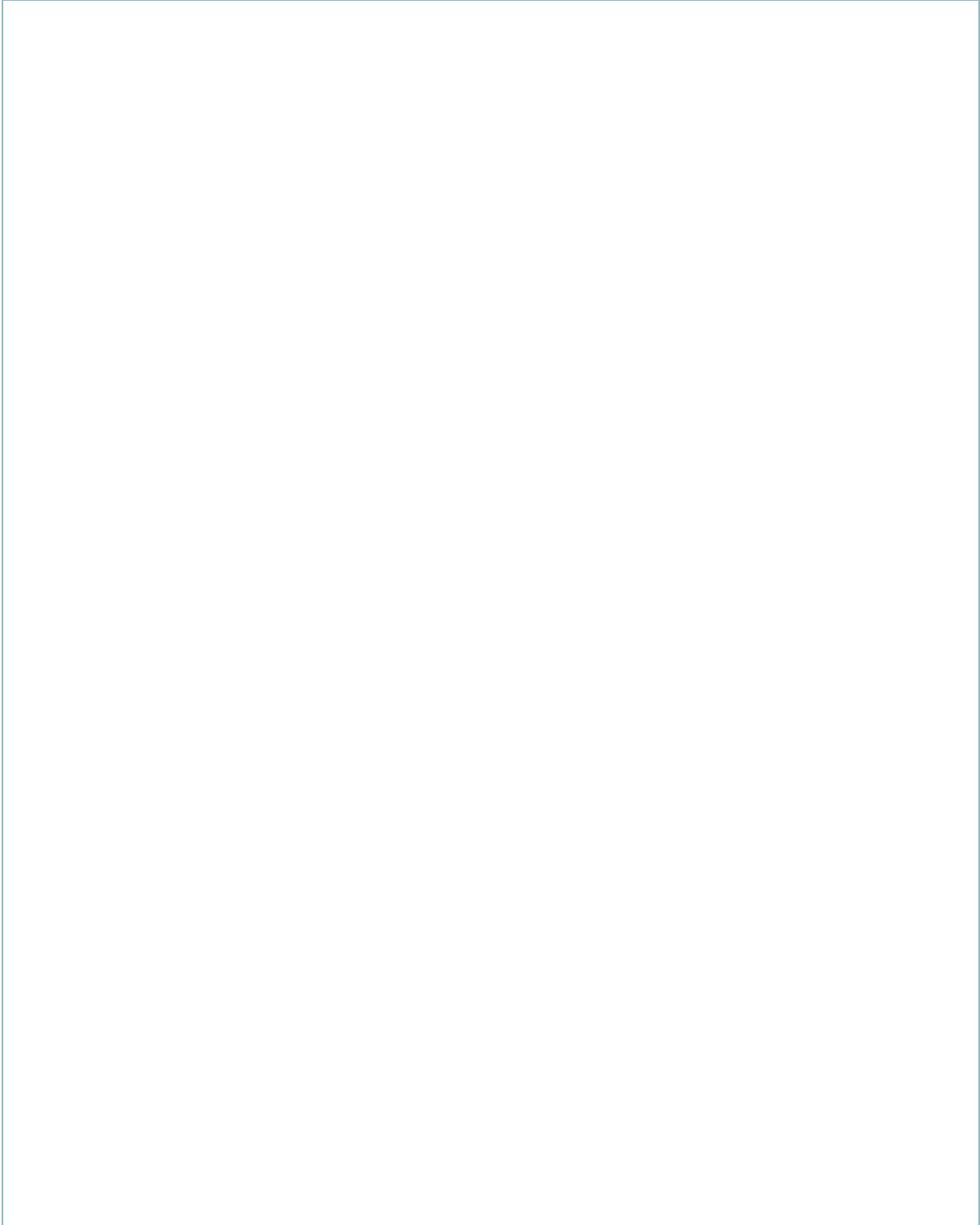
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Section 9

Schematic

Line schematic to show key components of the system.



Notes/Comments:

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Section 10

Photographs

Photo

Description/Comments

1

2

3

4

5

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## Section 11. Assessment

Hoods								
Hood Ref	Type Receiving   Capture   Partial   Full Enclosure   Other (specify)	Dimensions  (m)	Measured		Airflow  (m <sup>3</sup> /sec)	Future Benchmark		Test kit used  Hotwire / Rotating Vane
			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. Installed in accordance with design, appropriateness, usage, effectiveness of control, air flow indication devices etc.*

Clearance time	Is appropriate?	YES (complete below) <input type="checkbox"/>		NO (move to next section) <input type="checkbox"/>	
		Size  (m x m)	Air volume flow rate  (m <sup>3</sup> /sec)	Clearance time  (minutes)	Comments
Hood Ref					

Filter	Is a filter fitted?	YES (complete below) <input type="checkbox"/>		NO (move to next section) <input type="checkbox"/>	
		Visual assessment			
Filter type		Manufacturer			
Model		Serial number			
Filter media type		Filtration area (m <sup>2</sup> )			
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			

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Earth bonding

Explosion relief location

Explosion non-return damper

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

## Quantitative assessment

Inlet Static pressure (Pa)

Outlet Static (Pa)

Differential Pressure (Pa)

Volume Airflow rate (m<sup>3</sup>/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<sup>2</sup>)

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

Inlet Static pressure (Pa)

Outlet Static (Pa)

Differential Pressure (Pa)

Volume Airflow rate (m<sup>3</sup>/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.*

## 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

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Direction of Rotation

## Quantitative assessment

Static pressure:

Fan Volume Airflow rate (m<sup>3</sup>/hr)

Inlet (Pa)

Total pressure (Pa)

Outlet (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:	

### 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

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## 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)	Measured Static pressure (Pa)	Measured Transport Velocity (m/sec)	Future Benchmark		Comment  <i>e.g. Potential for blockage, Ease of access, suitability of test point etc.</i>
				Velocity (m/sec)	Static Pressure (Pa)	

## 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)

NO (move to next section)

Report reference

Date of report

Notes/comments:



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Section 12

Calibration Certificates

Hotwire Anemometer

Rotating Vane Anemometer

Manometer

Tachometer

Other:.....

Other:.....