

COSHH (LEV PLANT) TEST EXAMINATION

(This Report to form part of and be attached to the System Log Book, test records to be kept by employer for at least 5 years)

Customer Name PAL International Ltd

Test Date 10th September 2020

Address Bilton Way
Lutterworth
Leicestershire
LE17 4JA

Reference no. 32176

Telephone ~ 01455 555754

Fax ~

email ~

Customer designated person responsible for LEV supervision Paul Newman

Plant identifying reference number/name, description, and uses

Plant B - Wet Wipe Coating Line Fume Extraction

Dustraction reference number 29517

Is log book available YES / ~~NO~~

Note: A copy should be kept in the workshop containing the LEV

Does Log book Contain:

Operator Manual

YES / ~~NO~~

Design Benchmarks & Commissioning report

YES / ~~NO~~

Maintenance Log Book

YES / ~~NO~~

If answer is "NO" to any of the above the customer must be aware that one needs to be obtained or plant retrospectively commissioned and produced before any subsequent LEV test report can be produced.

See attached schematic diagram of plant showing critical parts & test points.

SUMMARY / REMEDIAL ACTION PLAN

Item In LEV System	Action Required	Priority	Target Date	Date Completed
	No remedial work required			
Plant Summary: SATISFACTORY			Next Test Due	
			10/09/2021	
REPORT BY	SIGNATURE	CHECKED	ACCEPTED BY (CUSTOMER)	
(Dustraction Ltd)	DATE	P601(No.161110/015) (B. O. H. S. Ref.)	Director	SIGNATURE
	02/11/2010		Dustraction Ltd	

Priority – 1 = HIGH, 2 = MEDIUM, 3 = ROUTINE.

Examiner: Green Boxes,

Customer: Pink Boxes,

FINAL ASSESSMENT OF LEVEL OF CONTROL

Substance handled	Fume		
Process causing sources	liquid chemical coating		
Relevant WEL / benchmark used	Refer to Clients COSHH regulation 7 risk assessment		
Is the System in good repair		YES	NO
Have changes been made to system since last examination		YES	NO
Is the System Clean		YES	NO
Have changes been made to the process since last examination		YES	NO
Is the System being used properly		YES	NO
Is control adequate (COSHH Regulation 7)		YES	NO Uncertain*
* If uncertain carry out personal exposure monitoring.			
Examiners Statement & Supporting Evidence	System controls the fume generated		

General Recommendations None

COSHH (LEV PLANT) TEST EXAMINATION

Visual and practical examinations:

Filter Type Discharge at high level to outside atmosphere

Make N/A Serial No.

Condition of:

Filter sleeve / media N/A

Condition of seals (bins, bags, doors, etc) N/A

Cleaning Mechanism (shaker, pulse, etc) N/A

Casing N/A

Explosion Relief N/A

Return Air & Fire Damper N/A

Discharge Stack N/A

Fan Type In line centrifugal

Make Axzent Serial No.

Fan Motor 0.75 kW Speed 1430 Rotation Correct Drive Direct

Case Condition

Electrical (interlocks, emergency stops, controls, etc)

Make-up air Adequate YES / ~~NO~~

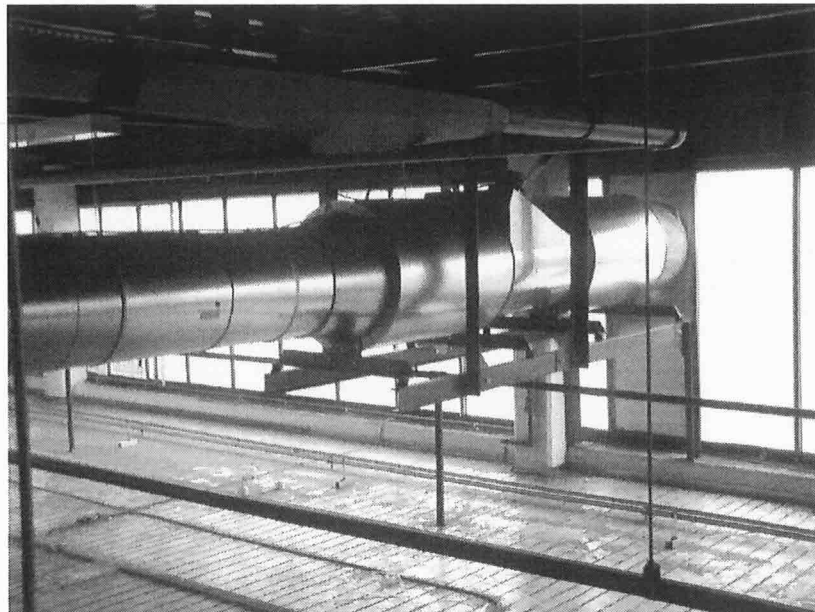
Alarms Hood / Flow gauges ~~YES~~ / NO ~~Filter~~ YES / NO

Visual and practical examinations continued:

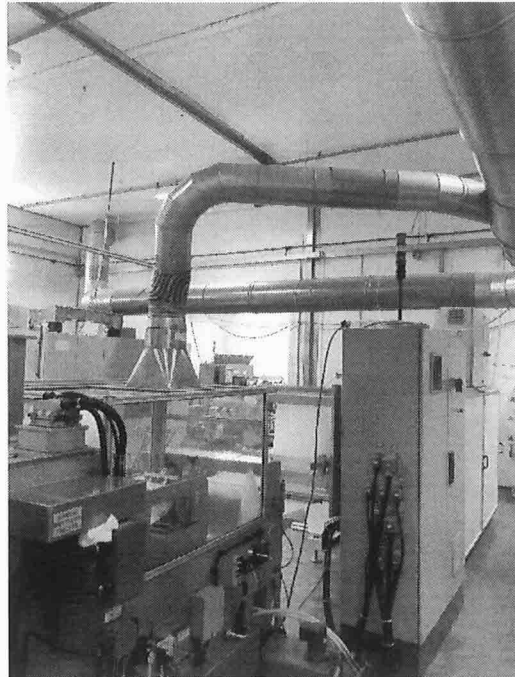
Ductwork In Good Repair
Flexes In Good Repair
Hoods In Good Repair

TESTS CARRIED OUT:

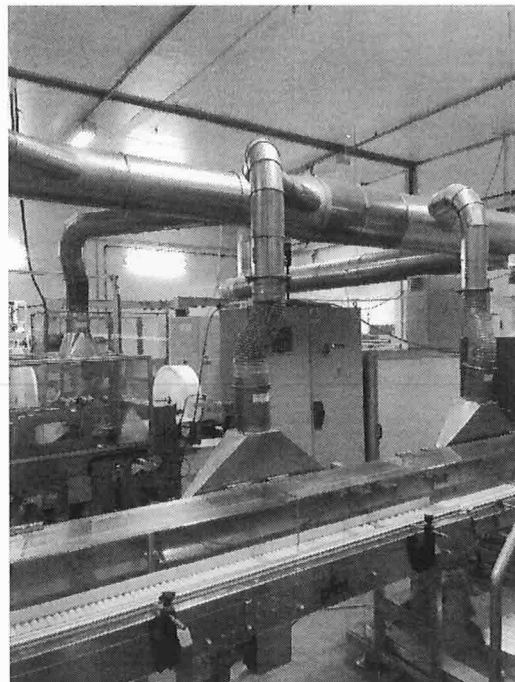
Filter Static Pressure Clean Side	N/A	
Filter Static Pressure Dirty Side	N/A	
Filter Static Pressure Differential	N/A	Good Normal High
Duct Main Ø450	Duct Main Velocity 7.96m/s	Air Volume 1.27m ³ /s
Individual test point flow rates	Yes No - see attached spread sheet / sheets test results.	
Measurement Technique/s Used	Pitot tube with calibrated magnehelic gauge	Yes No
	Pitot tube with calibrated digital manometer	Yes No
	Calibrated thermal anemometer	Yes No
	Calibrated vane anemometer	Yes No
Smoke Tests	Hood Good	Discharge N/A
Dust Lamp Tests	Not carried out	
Personal Exposure Monitoring	Carried out / Not Carried out	



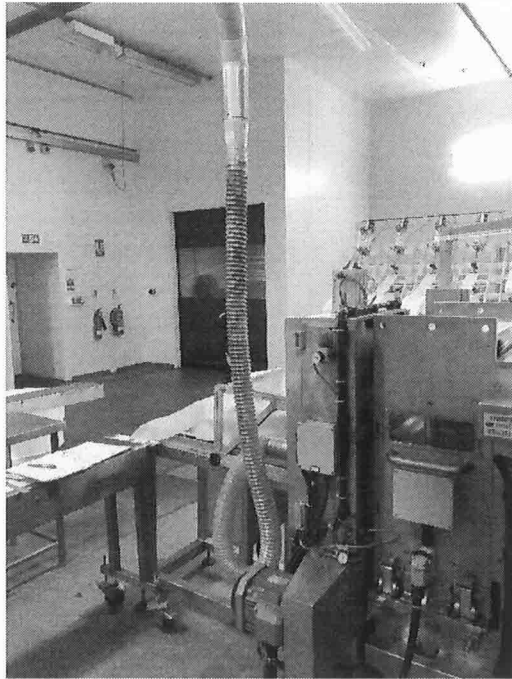
Fan with inlet & outlet attenuators



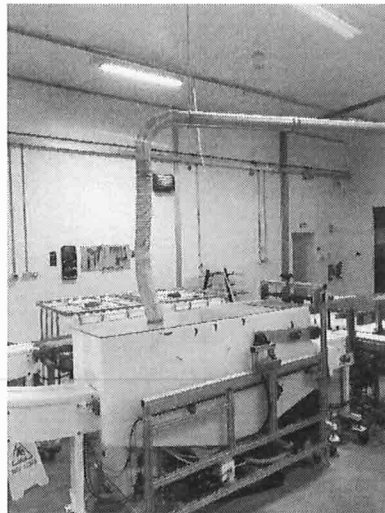
Wet Wipe Machine Point 6



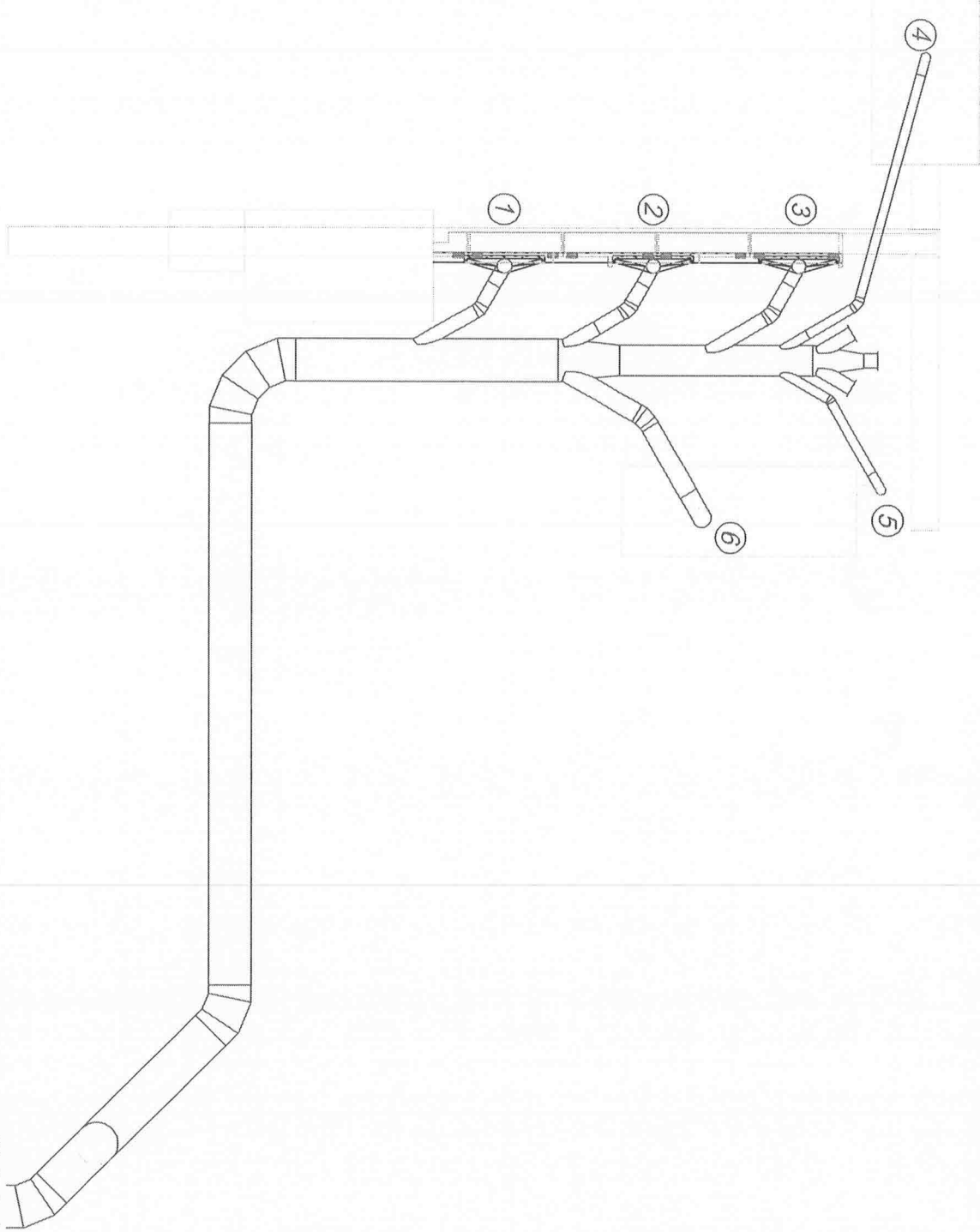
Conveyor Points 1, 2 & 3



Wet Wipe Machine Point 5



Points 4 Machine Vent



*This drawing is for quotation purposes only
and should not be used as a working drawing*

CLIENT:
PAL INTERNATIONAL

Tel: 0116 2713212

Fax: 0116 2713215

SCALE:
SCHEMATIC

DATE DRAWN
DRAWN BY

DUSTRACTION
Limited
COSHH LAYOUT PLANT B

DRAWING No.

DUSTRACTION LIMITED LEV TEST RESULTS

Site : **PAL International Ltd**

Test Date: **10/09/2020**

Test Engineer: **Richard Masson**

Maximum Number to be used at one time: **All**

Plant **B**

Plant Type : **Wet Wipe Fume Extraction**

No.	Machine Type	Duct Ø mm	Reading Velocity Pressure Pa	Duct Velocity m/s	Base Design Volume m ³ /sec	Test Volume m ³ /sec	Static Pressure Suction at Hood Pa	Hood Face Velocity (m/s) or Remarks	Result vs. Base Design
1	Conveyor	150	75	11.2	0.2	0.20	80		0.00
2	Conveyor	150	80	11.5	0.2	0.20	75		0.00
3	Conveyor	150	75	11.2	0.2	0.20	100		0.00
4	Machine Vent	100	65	10.4	0.08	0.08	230		0.00
5	Wet Wipe Machine	70	50	9.1	0.04	0.04	80		0.00
6	Wet Wipe Machine 270sq opening		100	12.9	0.3	0.35	80		0.05
	Main Duct Total Air Volume =	450	38	7.96	1.02	1.27	320		0.25