Local Exhaust Ventilation Thorough Examination & Test Report

February 2017 LEV System Reference: 5047/001-004

Report Number: 9174

Test Engineer:

Signed:

Ducting Express Services Ltd, Trade House, Claymill Road, Thurmaston, LE4 9JJ. Tel +44(0)1455 616444, Fax +44(0)1455 616442, info@ducting-express.co.uk, www.ducting-express.co.uk

Introduction:

Ducting Express Services Ltd were commissioned by of to conduct the thorough examination and testing of the Local Exhaust Ventilation system(s) as laid out in the list shown on the following page. The work was carried out as a direct result of, and in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 2002 (as amended) and as per guidelines detailed in HSG258 Controlling airborne contaminants at work; A guide to local exhaust ventilation (LEV). All testing is carried out in line with the latest HSE guidance, COSHH/HSG258 and by P601 accredited testers or equivalent competent person.

COSHH regulations 9 (2) requires that all control measures are given a thorough examination and test at suitable intervals. For most types of LEV systems the tests should be carried out at a maximum interval period of 14 months, however, in practice this is usually taken to mean annually. You should also be aware that many other factors could determine that the testing should be carried out on a more frequent basis. These factors include, but are not limited to, process, wear and tear, degradation and cleaned air being fed back in to the working area (return air system).

This report must be retained and saved in accordance with the COSHH Regulations for a minimum of 5 years by the site employer. Your attention is drawn to the requirements of HSG 258 - section 9. It is recommended that a user manual logbook is maintained. We trust that you will find this report comprehensive, but should you have any queries, please do not hesitate to contact us on 01455 616444.

Tables below provide indicative values of performance levels related to LEV systems as per recommended guidance HSG 258.

Capture velocity is the velocity required at a contaminant source to overcome the movement of the contaminant cloud and draw it into the hood. Please see our recommended minimum capture velocities quoted below.

| Contaminant cloud release | Example of process | Capture velocity range, m/s |
|---|--|-----------------------------|
| Into still air with little or no energy | Evaporation, mist from electroplating tanks. | 0.25 to 0.5 |
| Into fairly still air with low energy | Welding, soldering, liquid transfer. | 0.5 to 1.0 |
| Into moving air with moderate energy | Crushing, spraying. | 1.0 to 2.5 |
| Into turbulent air with high energy* | Cutting, abrasive blasting, grinding. | 2.5 to > 10 |

* These types of cloud are difficult to control using capturing hoods.

The air velocity through the duct must be high enough to keep particles suspended in the air stream. The required transport velocity depends on the type of contaminant being conveyed. Please see our recommended minimum duct velocities below.

| Type of contaminant | Indicative duct velocity, m/s |
|---|-------------------------------|
| Gases and non-condensing vapours | 5 |
| Condensing vapours, fume and smoke | 10 |
| Low or medium density, low moisture content dusts (plastic dust, sawdust), fine dusts & mists | 15 |
| Process dust (cement dust, brick dust, wood shavings, grinding dust) | ≈20 |
| Large particles, aggregating and damp dusts (metal turnings, moist cement dust, compost) | ≈25 |

Summary Overview:

On this occasion a previous report was made available to us and the details contained within the report have been used as a benchmark by us. Original design or commissioning data was not made available to us. In all other cases, comparisons were made with theoretical design figures and good working practices.

The level of control achieved by any system depends on a number of factors, such as the hazardous nature of the substance used, the risks presented by their use, the duration of exposure, work practice and the availability of personal protective equipment. Consequently, the comments made in this report should be interpreted in conjunction with any assessment of risk performed in accordance with COSHH Regulation 6 and other related assessments.

Considering the above, the detail of all the measurements taken can be found in the report along with the technical information collected on each system. An outline of the more significant points are on the General Summary page.

| LEV Ref | Description/System Name | Location | Action Required/ Advised |
|----------|-------------------------|----------|-----------------------------|
| 5047/001 | Wood Dust Extraction | Workshop | Satisfactory |
| 5047/002 | Wood Dust Extraction | Workshop | Satisfactory |
| 5047/003 | Wood Dust Extraction | Workshop | Satisfactory |
| 5047/004 | Wood Dust Extraction | Workshop | Satisfactory |
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LEV System Evaluation:

Test Report

| Shaker filter unit connected via ducting to a large sander machine | |
|--|--|
| | |
| 16/11/2015 | |
| 28/02/2017 | |
| February 2018 | |
| Workshop | |
| Wood Machining | |
| SATISFACTORY | |
| Wood dusts | |
| Not witnessed | |
| Ran in test mode | |
| Manometer & pitot tube | |
| Smoke tester | |
| All calibration records are kept at our head office in both hard and | |
| Yes | |
| No - Checked to drawing | |
| None | |
| | |

Equipment Details

| Filter/Air Cleaner | Filter 1 | Filter 2 | | | |
|--|---------------------|---------------------------|--|--|--|
| Make | DCE | n/a | | | |
| Model | UMA 154 G5 | n/a | | | |
| Туре | Automated Shaker | n/a | | | |
| Serial Number | 2284 | n/a | | | |
| Filter media type | PNF Pocket | n/a | | | |
| Filter cleaning mechanism | Shaker Unit | n/a | | | |
| Explosion relief vent | Fitted to rear | n/a | | | |
| Pressure drop (Pa) | 180 | n/a | | | |
| Inlet static pressure (Pa) | 2340 | n/a | | | |
| Outlet static pressure (Pa) | 2160 | n/a | | | |
| Satisfactory | Yes | n/a | | | |
| Comments | None | n/a | | | |
| | Ducting | • | | | |
| Type/Description | Galvanise | d Circular | | | |
| Recommended 1.0 | 0 Recommended | 15.00 | | | |
| Capture Velocity (m/s) | Duct Velocity (m/s) | | | | |
| Are the ductwork/hoods etc in a satisfac condition? | tory Ye | 25 | | | |
| Damper settings | | n/a | | | |
| Stack height & termination | To filte | To filter outlet | | | |
| Return air fitted? Position?* | Yes to work | Yes to work shop filtered | | | |
| Satisfactory | Y | Yes | | | |
| Comments | No | None | | | |
| | | | | | |

* If a return air facility is in use then we advise that the frequency of testing should be at least once every 6 months

Equipment Details

Fan(S)

| Detail | Fan 1 | Fan 2 |
|-----------------------------|--------------|-------|
| Туре | Centrifugal | n/a |
| Supplier | DCE | n/a |
| Serial number | 2284 | n/a |
| Fan speed (rpm) | 1485 | n/a |
| Drive type | Direct Drive | n/a |
| Fan Status | Operational | n/a |
| Rotation (from drive side) | Clockwise | n/a |
| Motor speed (rpm) | 1485 | n/a |
| Motor power (kW) | 2.2 | n/a |
| Motor voltage (V) | 415 | n/a |
| Motor full load current (A) | 5 | n/a |
| Satisfactory | Yes | n/a |
| Comments | None | n/a |
| | | |

General Summary of LEV System

| Hazard to be controlled | Wood dusts |
|---|-------------------|
| | |
| Sources | Wood Machining |
| | |
| WEL (if known) mg/m³ 8hr TWA | 5 |
| Is the system used correctly? (Advise where necessary) | Yes |
| Is the system in good condition? | Yes |
| Is the system clean? | Yes |
| Air quality testing carried out? | No - not required |
| Repairs undertaken during inspection? | No |
| Is the control adequate under regulation 7 of the C.O.S.H.H. 2002 regulations | Yes |

Further comments

From the test results, the dust collector and fan are confirmed as suitable for intended application. The filter pressure drop across filter bag implies that these are still within there intended life usage.

Ducting Express Services opinion is that the levels of wood dust emanating from area will not exceed TLV's regulated by the HSE, especially considering PPE regulations in place on site. Extraction from the internally located fan/filter is efficient and as such operators are at no risk in terms of dust inhalation. Therefore no Environmental Air Monitoring is required in our opinion for confirmation of compliance with regulatory workplace exposure limits.

Log book provided to conform to H&S Guidance note 258, section 9.

The LEV system has therefore provided PASS in terms of relevant COSHH regulation and is Satisfactory in its present condition at the time of testing.

| 1 | | Action Required: | No |
|---|----|-----------------------------|----|
| | Qu | otation to be provided by | No |
| | Du | cting express Services Ltd: | NO |

To be completed by the LEV owner after rectification work is completed and entered in the logbook to system (if appropriate).

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Reference Sheet

| | System Reference Number | 5407/001 | | | | | | |
|----------------------|---------------------------------------|------------------|--------------|------------|------------|--------------------|----------------|--------------|
| | | Circular Ducting | | | | | | |
| Test Point no. | Reference | Duct dia (mm) | Area (m²) | SP (Pa) | VP (Pa) | Conv. Vel (m/s) | Vol (m³/hr) | Satisfactory |
| 1 | Filter Inlet Duct | 150 | 0.018 | 1,800.00 | 270 | 21.20 | 1348.49 | Yes |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Summaru | - Airflows recorded are within /great | ter than the | a limits sat | out in HS(| 2 258 | | | |
| Summary | | | | | .062 0 | | | |



Test Report

| 5407/002 | |
|---|--|
| Single bag filter unit connected via ducting to a large Resaw machine | |
| 16/11/2015 | |
| 28/02/2017 | |
| February 2018 | |
| Workshop | |
| Wood Machining | |
| SATISFACTORY | |
| Wood dusts | |
| Not witnessed | |
| Ran in test mode | |
| Manometer & pitot tube | |
| Smoke tester | |
| All calibration records are kept at our head office in both hard and | |
| Yes | |
| No - Checked to drawing | |
| None | |
| | |

Equipment Details

| Filter/Air Cleaner | Filter 1 | Filter 2 | | | |
|--|----------------------------|---------------------------|--|--|--|
| Make | Dust Control International | n/a | | | |
| Model | Brook GT | n/a | | | |
| Туре | Single Bag Unit | n/a | | | |
| Serial Number | 1 | n/a | | | |
| Filter media type | PNF Bag | n/a | | | |
| Filter cleaning mechanism | none | n/a | | | |
| Explosion relief vent | n/a | n/a | | | |
| Pressure drop (Pa) | n/a | n/a | | | |
| Inlet static pressure (Pa) | n/a | n/a | | | |
| Outlet static pressure (Pa) | n/a | n/a | | | |
| Satisfactory | Yes | n/a | | | |
| Comments | None | n/a | | | |
| | Ducting | <u> </u> | | | |
| Type/Description | Galvanised Circular | c/w plastic Flexible | | | |
| Recommended 1.0 | 00 Recommended | 15.00 | | | |
| Capture Velocity (m/s) | Duct Velocity (m/s) | | | | |
| Are the ductwork/hoods etc in a satisfac condition? | ctory Ye | 25 | | | |
| Damper settings | n/ | n/a | | | |
| Stack height & termination | To filter | To filter outlet | | | |
| Return air fitted? Position?* | Yes to work s | Yes to work shop filtered | | | |
| Satisfactory | Ye | Yes | | | |
| Comments | No | None | | | |
| | | | | | |

* If a return air facility is in use then we advise that the frequency of testing should be at least once every 6 months

Equipment Details

Fan(S)

| Detail | Fan 1 | Fan 2 |
|-----------------------------|---------------|-------|
| Туре | Centrifugal | n/a |
| Supplier | Brook Compton | n/a |
| Serial number | 14612664 | n/a |
| Fan speed (rpm) | 2850 | n/a |
| Drive type | Direct Drive | n/a |
| Fan Status | Operational | n/a |
| Rotation (from drive side) | Clockwise | n/a |
| Motor speed (rpm) | 2850 | n/a |
| Motor power (kW) | 1.1 | n/a |
| Motor voltage (V) | 240 | n/a |
| Motor full load current (A) | 9 | n/a |
| Satisfactory | Yes | n/a |
| Comments | None | n/a |
| | | |

General Summary of LEV System

| Hazard to be controlled | Wood dusts |
|---|-------------------|
| | |
| Sources | Wood Machining |
| | |
| WEL (if known) mg/m³ 8hr TWA | 5 |
| Is the system used correctly? (Advise where necessary) | Yes |
| Is the system in good condition? | Yes |
| Is the system clean? | Yes |
| Air quality testing carried out? | No - not required |
| Repairs undertaken during inspection? | No |
| Is the control adequate under regulation 7 of the C.O.S.H.H. 2002 regulations | Yes |

Further comments

From the test results, the dust collector and fan are confirmed as suitable for intended application. The filter pressure drop across filter bag implies that these are still within there intended life usage.

Ducting Express Services opinion is that the levels of wood dust emanating from area will not exceed TLV's regulated by the HSE, especially considering PPE regulations in place on site. Extraction from the internally located fan/filter is efficient and as such operators are at no risk in terms of dust inhalation. Therefore no Environmental Air Monitoring is required in our opinion for confirmation of compliance with regulatory workplace exposure limits.

Log book provided to conform to H&S Guidance note 258, section 9.

The LEV system has therefore provided PASS in terms of relevant COSHH regulation and is Satisfactory in its present condition at the time of testing.

| 1 | | Action Required: | No |
|---|----|-----------------------------|----|
| | Qu | otation to be provided by | No |
| | Du | cting express Services Ltd: | NO |

To be completed by the LEV owner after rectification work is completed and entered in the logbook to system (if appropriate).

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Reference Sheet

| | System Reference Number | 5407/002 | | | | | | |
|----------------------|---|------------------|--------------|------------|------------|--------------------|----------------|--------------|
| | | | | Ci | rcular Duo | cting | | |
| Test Point no. | Reference | Duct dia (mm) | Area (m²) | SP (Pa) | VP (Pa) | Conv. Vel (m/s) | Vol (m³/hr) | Satisfactory |
| 1 | Filter Inlet Duct | 150 | 0.018 | 220.00 | 180 | 17.31 | 1101.03 | Yes |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Summary | Summary:- Airflows recorded are within the limits set out in HSG 258. | | | | | | | |



Test Report

| LEV Reference | 5407/003 |
|---------------------------------|---|
| System description | Single bag filter unit connected via ducting to a 2 wood working process machines |
| Date of previous TEST | 16/11/2015 |
| Date of latest TEST | 28/02/2017 |
| Due date for next TEST | February 2018 |
| Location | Workshop |
| Process/substance source | Wood Machining |
| Control effectiveness | SATISFACTORY |
| Hazard to be controlled | Wood dusts |
| Operators usage | Not witnessed |
| Operating conditions | Ran in test mode |
| Instruments used | Manometer & pitot tube |
| | Smoke tester |
| Calibration Notes | All calibration records are kept at our head office in both hard and |
| Customer LEV logbook completed? | Yes |
| Modifications made to system? | No - Checked to drawing |
| Recommendations | None |

Equipment Details

| Filter/Air Cleaner | Filter 1 | Filter 2 |
|---|---------------------|----------------------|
| Make | Fercell | n/a |
| Model | Single Bag Unit | n/a |
| Туре | Single Bag Unit | n/a |
| Serial Number | 2 | n/a |
| Filter media type | PNF Bag | n/a |
| Filter cleaning mechanism | none | n/a |
| Explosion relief vent | n/a | n/a |
| Pressure drop (Pa) | n/a | n/a |
| Inlet static pressure (Pa) | n/a | n/a |
| Outlet static pressure (Pa) | n/a | n/a |
| Satisfactory | Yes | n/a |
| Comments | None | n/a |
| | Ducting | |
| Type/Description | Galvanised Circular | c/w plastic Flexible |
| Recommended 1.00 | Recommended | 15.00 |
| Capture Velocity (m/s) | Duct Velocity (m/s) | |
| Are the ductwork/hoods etc in a satisfacto condition? | Y | es |
| Damper settings | 2 fitted- 1 in use | at any one time |
| Stack height & termination | To filte | r outlet |
| Return air fitted? Position?* | Yes to work | shop filtered |
| Satisfactory | Yı | es |
| Comments | Nc | one |
| | | |

* If a return air facility is in use then we advise that the frequency of testing should be at least once every 6 months

Equipment Details

Fan(S)

| Detail | Fan 1 | Fan 2 |
|-----------------------------|--------------|-------|
| Туре | Centrifugal | n/a |
| Supplier | Newman | n/a |
| Serial number | FC1271FB | n/a |
| Fan speed (rpm) | 2850 | n/a |
| Drive type | Direct Drive | n/a |
| Fan Status | Operational | n/a |
| Rotation (from drive side) | Clockwise | n/a |
| Motor speed (rpm) | 2850 | n/a |
| Motor power (kW) | 1.5 | n/a |
| Motor voltage (V) | 240 | n/a |
| Motor full load current (A) | 6.2 | n/a |
| Satisfactory | Yes | n/a |
| Comments | None | n/a |
| | | |

General Summary of LEV System

| Hazard to be controlled | Wood dusts |
|---|-------------------|
| | |
| Sources | Wood Machining |
| | |
| WEL (if known) mg/m³ 8hr TWA | 5 |
| Is the system used correctly? (Advise where necessary) | Yes |
| Is the system in good condition? | Yes |
| Is the system clean? | Yes |
| Air quality testing carried out? | No - not required |
| Repairs undertaken during inspection? | No |
| Is the control adequate under regulation 7 of the C.O.S.H.H. 2002 regulations | Yes |

Further comments

From the test results, the dust collector and fan are confirmed as suitable for intended application. The filter pressure drop across filter bag implies that these are still within there intended life usage.

Ducting Express Services opinion is that the levels of wood dust emanating from area will not exceed TLV's regulated by the HSE, especially considering PPE regulations in place on site. Extraction from the internally located fan/filter is efficient and as such operators are at no risk in terms of dust inhalation. Therefore no Environmental Air Monitoring is required in our opinion for confirmation of compliance with regulatory workplace exposure limits.

Log book provided to conform to H&S Guidance note 258, section 9.

The LEV system has therefore provided PASS in terms of relevant COSHH regulation and is Satisfactory in its present condition at the time of testing.

| 1 | | Action Required: | No |
|---|----|-----------------------------|----|
| | Qu | otation to be provided by | No |
| | Du | cting express Services Ltd: | NO |

To be completed by the LEV owner after rectification work is completed and entered in the logbook to system (if appropriate).

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Reference Sheet

| Sy | stem Reference Number | | | | | 5407/0 | 003 | |
|---|-----------------------|------------------|------------------|------------|------------|--------------------|----------------|--------------|
| | | | Circular Ducting | | | | | |
| Test Point | Reference | Duct dia (mm) | Area (m²) | SP (Pa) | VP (Pa) | Conv. Vel (m/s) | Vol (m³/hr) | Satisfactory |
| no. | | | | | | | | |
| 1 | Duct to Table Saw | 150 | 0.018 | 1,300.00 | 180 | 17.31 | 1101.03 | Yes |
| 2 | Duct to Profile Lathe | 125 | 0.012 | 880.00 | 150 | 15.80 | 697.99 | Yes |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Summary:- Airflows recorded are within the limits set out in HSG 258. | | | | | | | | |

Reference Sheet

| Custa | Defense of Newslerin | | | | | | | 407/000 | | | | |
|----------------|------------------------------|------------------|-----------|---------|-------------|------------|------------|---------|-----------|---------------------|----------|--------------|
| Syste | m Reference Number | | | | | | 5 | 407/003 | | | | |
| | Square Hoods/Enclosures | | | | | | | | | | | |
| | | | | | | 1 | 1 | | | | 1 | |
| Test Point | | Hood Type | Hood | Hood | Area | SP (Pa) | Face | Vol | Airflow | Qualitative testing | Capture | Satisfactory |
| no. | Reference | | Width | Length | (m²) | Behind | Velocity | (m³/hr) | indicator | Method | Distance | |
| | | | (mm) | (mm) | | hood | (m/s) | | fitted | | (mm) | |
| H1 | Planer Hood | Capturing | 90 | 230 | 0.021 | 880.00 | 7.40 | 551.45 | No | Smoke test | 250.00 | Yes |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | Qualita | ative Conta | ainment Te | est Report | | | | | |
| Summary:- Effe | ective capture witnessed whe | n tested with sm | - oke. | | | | | | | | | |
| Summary: En | | | onei | | | | | | | | | |
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Test Report

| LEV Reference | 5407/004 |
|---------------------------------|---|
| System description | Double bag filter unit connected via ducting to a 4 wood working process machines |
| Date of previous TEST | 16/11/2015 |
| Date of latest TEST | 28/02/2017 |
| Due date for next TEST | February 2018 |
| Location | Workshop |
| Process/substance source | Wood Machining |
| Control effectiveness | SATISFACTORY |
| Hazard to be controlled | Wood dusts |
| Operators usage | Not witnessed |
| Operating conditions | Ran in test mode |
| Instruments used | Manometer & pitot tube |
| | Smoke tester |
| Calibration Notes | All calibration records are kept at our head office in both hard and |
| Customer LEV logbook completed? | Yes |
| Modifications made to system? | No - Checked to drawing |
| Recommendations | None |

Equipment Details

| Filter/Air Clean | er | Filter 1 | Filter 2 | | | |
|--|-------------|------------------------------------|----------------------|--|--|--|
| Make | | Unknown | n/a | | | |
| Model | | Double Bag Unit | n/a | | | |
| Туре | | Double Bag Unit | n/a | | | |
| Serial Number | | 3 | n/a | | | |
| Filter media type | | PNF Bag | n/a | | | |
| Filter cleaning mechanism | | none | n/a | | | |
| Explosion relief vent | | n/a | n/a | | | |
| Pressure drop (Pa) | | n/a | n/a | | | |
| Inlet static pressure (Pa) | | n/a | n/a | | | |
| Outlet static pressure (Pa) | | n/a | n/a | | | |
| Satisfactory | | Yes | n/a | | | |
| Comments | | None | n/a | | | |
| | | Ducting | | | | |
| Type/Description | | Galvanised Circular | c/w plastic Flexible | | | |
| Recommended | 1.00 | Recommended | 15.00 | | | |
| Capture Velocity (m/s) | | Duct Velocity (m/s) | | | | |
| Are the ductwork/hoods etc in a s condition? | atisfactory | Yı | es | | | |
| Damper settings | | 4 fitted- 2 in use at any one time | | | | |
| Stack height & termination | | To filter outlet | | | | |
| Return air fitted? Position?* | | Yes to work shop filtered | | | | |
| Satisfactory | | Yes | | | | |
| Comments | | No | one | | | |
| | | | | | | |

* If a return air facility is in use then we advise that the frequency of testing should be at least once every 6 months

Equipment Details

Fan(S)

| Detail | Fan 1 | Fan 2 |
|-----------------------------|--------------|-------|
| Туре | Centrifugal | n/a |
| Supplier | Unknown | n/a |
| Serial number | 3 | n/a |
| Fan speed (rpm) | 1485 | n/a |
| Drive type | Direct Drive | n/a |
| Fan Status | Operational | n/a |
| Rotation (from drive side) | Clockwise | n/a |
| Motor speed (rpm) | 1485 | n/a |
| Motor power (kW) | Unknown | n/a |
| Motor voltage (V) | 415 | n/a |
| Motor full load current (A) | Unknown | n/a |
| Satisfactory | Yes | n/a |
| Comments | None | n/a |
| | | |

General Summary of LEV System

| Hazard to be controlled | Wood dusts |
|---|-------------------|
| | |
| Sources | Wood Machining |
| | |
| WEL (if known) mg/m³ 8hr TWA | 5 |
| Is the system used correctly? (Advise where necessary) | Yes |
| Is the system in good condition? | Yes |
| Is the system clean? | Yes |
| Air quality testing carried out? | No - not required |
| Repairs undertaken during inspection? | No |
| Is the control adequate under regulation 7 of the C.O.S.H.H. 2002 regulations | Yes |

Further comments

From the test results, the dust collector and fan are confirmed as suitable for intended application. The filter pressure drop across filter bag implies that these are still within there intended life usage.

Ducting Express Services opinion is that the levels of wood dust emanating from area will not exceed TLV's regulated by the HSE, especially considering PPE regulations in place on site. Extraction from the internally located fan/filter is efficient and as such operators are at no risk in terms of dust inhalation. Therefore no Environmental Air Monitoring is required in our opinion for confirmation of compliance with regulatory workplace exposure limits.

Log book provided to conform to H&S Guidance note 258, section 9.

The LEV system has therefore provided PASS in terms of relevant COSHH regulation and is Satisfactory in its present condition at the time of testing.

| 1 | | Action Required: | No |
|---|----|-----------------------------|----|
| | Qu | otation to be provided by | No |
| | Du | cting express Services Ltd: | NO |

To be completed by the LEV owner after rectification work is completed and entered in the logbook to system (if appropriate).

| CTION TAKEN: | |
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| VORK CARRIED OUT BY: | |
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Reference Sheet

| | System Reference Number | 5407/004 | | | | | | |
|---------------|---------------------------------------|------------------|---------------|------------|------------|-----------|-----------------------------|--------------|
| | | Circular Ducting | | | | | | |
| Test Point | Reference | Duct dia | Area | SP (Pa) | VP (Pa) | Conv. Vel | Vol (m ³ /hr) | Satisfactory |
| no. | | () | () | (1 4) | (1 4) | (11/3) | | |
| 1 | Duct to Thicknesser | 150 | 0.018 | 860.00 | 370 | 24.81 | 1578.58 | Yes |
| 2 | Main duct to Filter | 250 | 0.049 | 1,140.00 | 160 | 16.32 | 2883.51 | Yes |
| 3 | Duct to Cross Cut saw | 150 | 0.018 | 700.00 | 470 | 27.97 | 1779.15 | Yes |
| 4 | Duct to Spindle Moulder | 150 | 0.018 | 730.00 | 380 | 25.15 | 1599.77 | Yes |
| 5 | Duct to Tenonner | 125 | <u>0.0</u> 12 | 1,020.00 | 240 | 19.98 | 882.89 | Yes |
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| Summary | :- Airflows recorded are within the l | imits set οι | ut in HSG 2 | 58. | | | | |
| Summary | | | | | | | | |
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