



Root & Branch	FIRE Risk Assessment In accordance the Management of Health and Safety Regulations 1999	Ref: RA0040 Date: 28/08/2017
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	Task: <i>Fire Risk Assessment</i> Stage One <i>Identify all Possible Heat or Ignition Sources</i>	Location: <i>Root & Branch Woodwork Workshop</i>	
	Name of Assessor S.R. Coombs	Name of Reviewer Mark Wild	
	Job Title R & B Health & Safety Officer	Job Title Trustee	
	Signature S Coombs	Signature 	
	Persons Potentially at Risk		
	Operator	Other service users	Staff / Volunteers
Y	Y	Y	Y

Estimated Level of Fire Risk (Based on Maximum Risk Identified)		
Low (1-4)	Medium (5-12)	High (13-25)
Yes	Yes, until properly assessed and fire prevention Countermeasures enacted	No

Emergency Details			
Nearest Fire Station:	<i>Farringdon Fire Station & Upper Stratton Swindon</i>	Telephone No:	General Emergency; 999
Nearest Fire Extinguisher:	<i>CO2 and Foam Extinguishers by Woodwork shop Main Door</i>	<i>First Aid Kit in Kitchen</i>	<i>Additional Kits in Forge and Wood Shop</i>
First Aid:	<i>First aiders listed on board in lobby</i>		

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Likelihood - L	Rating Given	Severity of Outcome - S	Rating Given
Highly Unlikely	1	First Aid injury or minor property damage	1
Unlikely	2	Minor injury or property damage	2
Medium	3	Potential lost time injury or short term ill health	3
Likely, may occur regularly	4	Major illness or injury	4
Highly Likely, certain or almost certain to occur	5	Fatal or disabling injury or serious ill health	5

Apply a rating to both **likelihood** and **severity** and then multiply together to give actual risk rating of a particular hazard

Stage 1 Establish Possible Heat Sources, Eliminate or Reduce Risk Potential



Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Workshop machinery is a potential Heat Source which could Lead to Fire	Defective equipment presents a risk of heat build-up and a possible fire risk	3	4	12	If thought to be defective at any time, if there is Excess Noise, or there is a Strong burning smell. Cease use of machine Isolate the Power Supply, and attach a defect tag to isolate from use. Report any defects to your Supervisor Ensure machines is regularly serviced in accordance with manufacturers recommendations.	1	4	4	
Improper Use of machinery and power tools	Equipment used incorrectly and overloaded, can cause electric motor to catch on fire.	4	3	12	Only trained operatives to use equipment, if you are unsure about this seek advice from your Manager Do not permit untrained persons to use equipment. Use equipment in full accordance with manufacturers recommendations as contained in the handbook	1	3	3	Until operator can demonstrate competence, close supervision is required
Fixed mains electric power supply circuits can be damaged, faulty or overloaded	Any of the afore mentioned faults can result in a serious fire	3	4	12	All mains electric circuits checked, by a qualified electrician every five years as per legislation to confirm that insulation meets requirements.	1	4	4	
Portable electrical equipment can cause a fire through insulation breakdown, damaged cables and poorly fitted electrical plugs	Any of the afore mentioned faults could cause a small localised fire	3	3	9	All portable electric appliances subjected to twelve monthly PAT testing. Any PAT test fails are to be immediately withdrawn from service and locked away to prevent others using.	1	3	3	

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Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Portable heaters using exposed halogen bulb which can cause very hot spots to occur local to heater.	Could cause wood sawdust and or wood shavings to ignite and combust	2	4	8	Halogen bulb heaters withdrawn from service, to be replaced with Oil filled radiator portable heaters	1	2	2	A second oil filled radiator to be purchased and installed before October 2017
Hot sparks from bench and angle grinders could cause fire	Sparks from grinders could ignite combustible material in the area	2	3	6	Good housekeeping in general will ensure that there are no combustibles in the workshop. However users of grinding machines trained to check the proposed work area to ensure that no combustibles are in the vicinity of grinder spark path	1	2	2	
Wood sawdust in the atmosphere, presents a potential fire hazard	Particularly with the Blacksmiths workshop being next door, Every effort needs to be made to minimise, clouds of Sawdust going to Atmosphere, which under the right conditions could catch fire.	2	4	8	Every saw dust generating machine now has the facility to fit sawdust extraction equipment. Service users to be trained that this extraction MUST always be utilised.	1	4	4	

Move on to Stage 2 Establish what combustible materials are in the vicinity, eliminate or minimise risk potential. Ensure that any heat source and combustible materials are totally segregated.

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	Task: <i>Fire Risk Assessment Stage 2; Identify all Combustible Materials, Minimise Risk by Removal or Segregation</i>	Location: <i>Root & Branch Woodwork Workshop</i>	
	Name of Assessor S.R. Coombs	Name of Reviewer Mark Wild	
	Job Title R & B Health & Safety Officer	Job Title Trustee	
	Signature S Coombs	Signature 	
	Persons Potentially at Risk		
	Operator	Other service users	Staff / Volunteers
Y	Y	Y	Y

Estimated Level of Fire Risk (Based on Maximum Risk Identified)		
Low (1-4)	Medium (5-12)	High (13-25)
Yes	Yes, until properly assessed and fire prevention Countermeasures enacted	No

Emergency Details			
Nearest Fire Station:	<i>Farringdon Fire Station & Upper Stratton Swindon</i>	Telephone No:	General Emergency; 999
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First Aid:	<i>First aiders listed on board in lobby</i>		

Likelihood - L	Rating Given	Severity of Outcome - S	Rating Given
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Unlikely	2	Minor injury or property damage	2
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Highly Likely, certain or almost certain to occur	5	Fatal or disabling injury or serious ill health	5

Apply a rating to both **likelihood** and **severity** and then multiply together to give actual risk rating of a particular hazard

Stage 2 Identify Combustible Material Sources, Eliminate or Minimise Risk Potential

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Sawdust in the atmosphere is a serious combustible risk which could lead to fire	Sawdust in the atmosphere is a Serious combustible risk which could Lead to Fire	3	4	12	All Machinery is now, able to be used with sawdust extraction equipment. Service Users to be trained and advised that the use of Extraction Equipment is Mandatory	1	4	4	
Excess amounts of sawdust and wood shavings around machinery, is a serious risk, which could lead to Fire	Excess amounts of sawdust and wood shavings around machinery, is a serious risk, Which could lead to Fire	4	3	12	Operators trained in the importance of good housekeeping, being carried out every day. Ensuring that there is NO build-up of saw dust particularly around electric motors and switch gear.	1	3	3	Supervisors to check that Good Housekeeping has been Completed at the end of each activity session
Combustible materials such as white Spirit, varnish, wood stain, polish, are a fire hazard	Storage of highly combustible materials, can represent a fire hazard	2	3	6	Storage of afore mentioned materials to be minimised to regular daily use items and never to exceed one litre by volume. All other materials and volumes in excess of one litre to be stored in the controlled C.O.S.H.H facility.	1	4	4	Regular review of COSHH facility contents to be carried out regularly to confirm that the contents match the register
Over flowing waste bins	Over flowing waste bins, filled with sawdust wood shavings can represent a medium fire hazard	2	3	6	Service users trained that all waste bins to be emptied each day as part of the daily good housekeeping routines, filled into black plastic bags and these moved to the segregated large bin storage area.	1	3	3	

Move on to Stage 3; Evaluate who is at risk, and special vulnerable people

Stage 3; Evaluate who is at risk, and identify special vulnerable people

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Establish who is at risk from fire	Any person on site is at risk of death or injury in case of a fire	3	4	12	<p>All staff, service users, volunteers, adjoining neighbours and any visitors are at risk, the following measures are in place;</p> <ol style="list-style-type: none"> The fire roll call register contains the names of all persons, including visitors on the site each day. This fire roll call is used at the assembly point to ensure that all persons are accounted for, and a person assigned to call the fire brigade should they be required. Fire exits are clearly marked. Diagrams clearly showing the safe route to the assembly point are posted throughout. Sounding of the alarm and complete fire drills are completed monthly on a rotation of Monday, Tuesday and Thursday peoples. Key Staff and volunteers are assigned to looking after and assisting service users with mobility difficulties The fire marshal confirms that the building is clear of people, and upon checking confirms when the buildings are safe to be returned to. Adjoining neighbours have been fully consulted and they participate in our fire drills 	1	4	4	

Stage 4; Evaluate and act confirm progress using the check List below

- A) Have you assessed the risks of fire in your Work Place..... YES See issued risk assessments
- B) Have you assessed the risk to Staff, Volunteers, Service Users and Visitors... YES See Roll call & posted evacuation plans
- C) Have you kept any source of Heat and Fuel Apart YES See issued risk assessments
- D) Have you Secured any Fuel that an Arsonist could use..... YES Stored in pad locked COSHH facility
- E) Have you protected your premises against Fire..... YES Extinguishers & Smoke Alarms

How Can You make sure that everyone is Safe in case of a Fire?

- F) Will you know that there is a Fire..... YES Alarm will be sounded continuously
- G) Do you have a plan to advise others..... YES Adjoining neighbours consulted & Alarm
- H) Who will ensure everyone gets out..... Yes Managers roll call & fire marshal Check
- I) Who will call the Fire Brigade..... YES Manager or delegated representative
- J) Could you put out a small fire Quickly..... YES Staff trained with use of extinguishers

How Will Everyone Escape?

- K) Have you Planned Escape Routes..... YES Escape Routes posted all over the Site
- L) Have you ensured people will be able to find their way out..... YES Exits are clearly signed

Record, Plan and Train

- M) Have you made a record of what you have found & actions taken..... YES See issued risk assessments
- N) Have you Planned what everyone will do if there is a Fire..... YES See posted In Case of Fire Instructions
- O) Have you discussed the plan with Staff & Service Users..... YES All staff participated in roles & trained
- P) Ensured that everyone can fulfil their Role YES Full practice runs carried out – All Good
- Q) Consulted others who share your building..... YES Fully shared plans with neighbours

Review Have You ?

- R) **Made any changes to the building.....** YES new stand alone building added, but fully incorporated to fire evacuation plan
- S) **Had a Fire or Near Miss.....** NO There have been no Incidents
- T) **Changed Work Practices.....** NO There have not been any changes
- U) **Begun to store Dangerous Chemicals.....** NO There are no new dangerous chemicals
- V) **Significantly changed stock levels.....** NO changes of Stock Levels
- W) **Have you planned your Next Fire Drill.....** YES Monday, First week of September