LEV SUMMIT WORKING GROUP

Matrix of LEV knowledge guidance for key roles:

LEV Maintenance Engineer

Торіс	Knowledge Requirements:	Employer-related personnel	Awarenes s Course	Guid	ance infor	mation
		LEV Maintenance Engineer	LEV Awareness	ACGIH Maintenance Manual	Manufacturers O& M Manual	SAFED LEV C03
	ESSENTIAL LEARNING	F	А	E	F	
	DESIRABLE LEARNING	A, E, J				
Preparation of LEV specification & quotation	Properties of airborne contaminants: principles	2				
	Recognition of hazards from process materials	2	~			
	Recognition of hazardous substances generated by the process	2	~			
	Understanding of the nature of sources of airborne contaminants in the process	1				
	Understanding of process requirements	2				~
	Understanding of statutory requirements for control	2	~			
Design of LEV system	Selection of a control benchmark	1				
	Selection of a control requirement	1				
	Components of LEV systems	3	~		~	~
	Characteristics of different hood types	1	~			~
	Principles of LEV hood design	1				~
	Selection of appropriate hoods for the application	1				
	Principles of good ductwork design	1				~
	Need for system monitors & alarms	2				
	Characteristics of fans/air movers	2			✓ ✓	~
	Characteristics of air cleaners/filters	1			~	v
	Air discharge and filtrate removal arrangements	1				
	DSEAR/ATEX Requirement inc explosion relief	1			~	~
	Recirculation of filtered air	1			~	
	Provision of makeup air/ impact on general workroom ventilation	1				
	Impact on workroom and external environment	1				
	Ergonomic and safety considerations	1				~
	Arrangements for maintenance, cleaning, inspection and test	3			\checkmark	~
Installation & commissioning of LEV system	Installation of hardware: mechanical	1			~	
	Installation of hardware: electrical	1			~	
	Balancing of system	1				
	Technical performance testing	2			~	
	Qualitative assessment of control effectiveness	1				
	Quantitative assessment of control effectiveness	1				
	Commissioning report	1				~
	Provision of System manual	1				~
	Provision of System logbook	1				· ·
	End User Training	1			~	v v
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Thorough examination & test of LEV system	Pre-work risk assessment	3				
	Visual examination of system	2				~
	Technical performance measurement	1				~
	Assessment of control effectiveness	1				~
	Thorough examination and test report	2				~
	Completion of Logbook	3				~
Aaintenance	Routine inspections	1			~	
	Routine maintenance	3			\checkmark	L
	Repairs and remedial works	3			~	
Changes & modifications	Modifications & changes	2				
	Re-commissioning	1				
	User training	2				~
EV Professional	Guide to typical relevent experience (in years) to include: • Portfolio • Interview	2	L		1	

Evidence of other experience e.g. UKAS, ILEVE, BOHS etc. * From January 2018, BOHS P601 is a pre-requisite to P604.

Key: 1: Basic knowledge 2: Good knowledge of topic 3: Detailed knowledge of topic

BOHS Qualifications Key: * Basic information on topic ** Detailed information on topic