

HSSEQ Form	Revision 0
RA-009 Hand Tools, Portable Tools (Power Operated), and Equipment	
RISK ASSESSMENT & ENVIRONMENTAL IMPACT	



TASK / ACTIVITY	Hand Tools, Portable Tools (Power Operated), and Equipment		ASSESSMENT DATE	29/07/2016	NEXT REVIEW	28/07/2017	RECORD No	RA-009
			TYPE OF RA	MAIN OPERATIONS <input checked="" type="checkbox"/>		TASK SPECIFIC <input type="checkbox"/>		LOCATION SPECIFIC <input type="checkbox"/>
LOCATION	All locations		ASSESSOR	P. Manolopoulos	REVIEWER	I. Pavlidis	MAIN OPER RA AVAILABLE	N/A
PERSONS AT RISK	Foreman/Workers/Visitors			PTW REQUIRED	YES <input type="checkbox"/> / NO <input checked="" type="checkbox"/>		SPECIFY	N/A
ASSOCIATED RAs / SOPs	SOP-009 Hand Tools, Portable Tools (Power Operated), and Equipment							

** To be used with the HSE Impact Matrix (A01-01) & HSE Risk Assessment Impact Flowchart(A01-02)*

No	POTENTIAL HAZARD / ENVIRON. ASPECT	RISK / ENVIRONMENTAL IMPACT	INITIAL RISK	CONTROL MEASURES	RESIDUAL RISK	ACTION BY
01	Contact with moving – rotating parts	<ul style="list-style-type: none"> Serious injury / amputation 	M4	<ul style="list-style-type: none"> Use of working suit No loose clothes etc. Certified & inspected power tools Always follow each tool handling instructions 	L2	On site manager/ Foreman / Worker
02	Scrap pieces / cuts blasts / high speed particles	<ul style="list-style-type: none"> Eye injury / permanent eye damage Body damage 	M4	<ul style="list-style-type: none"> Mandatory use of safety glasses and protective mask Safe distance from operator Use of working suit Use of welding blankets 	L2	On site manager/ Foreman / Worker

03	Electrocution	<ul style="list-style-type: none"> Injury / possible death 	H6	<ul style="list-style-type: none"> Ensure all equipment – tools are properly earthed and in good condition before use. Ensure all welding cables are free of visual damages. Establish a maintenance program with relevant tags for all tools Certificates of electric tools to be available before start of works. Cables should be routed avoiding contact with liquids, oils and passing areas. Protection of cables with special floor protectors or aerial positioning Use of electrical protective PPE for the operators of electric tools Use of low voltage battery tools where possible 	M4	On site manager/ Foreman
04	Noise High levels of noise caused by cutting, drilling and grinding works	<ul style="list-style-type: none"> Exposure to noise Occupational hearing loss / Hearing disorders (e.g. headaches, blood pressure) 	M4	<ul style="list-style-type: none"> Noise level measurements where deemed necessary Hearing conservation examinations Obligatory use of hearing protection PPE at high noise areas 	L2	On site manager/ Foreman / Worker
05	Vibrations Use of impact and/or rotating power tools	<ul style="list-style-type: none"> Exposure to high frequency vibrations Neural / blood vessel disorders / joint disorders 	M4	<ul style="list-style-type: none"> Use of anti-vibrating tools and gloves Take frequent breaks during intense work 	L2	On site manager/ Foreman / Worker
06	Production of electrical/impact sparks Fire/Explosion within explosive	<ul style="list-style-type: none"> Serious injuries / death 	H6	<ul style="list-style-type: none"> Use of spark proof tools Ventilate working area Follow SOP-002 Hot work / SOP-001 Confined Spaces 	M4	On site manager/ Foreman

	atmospheres					
07	Maintenance & cleaning of tools/ equipment Change of lubricants and consumables	<ul style="list-style-type: none"> Pollution of soil / ground water 	M3	Used lubricants and consumables will be managed by responsible per equipment personnel and subcontractors and disposed / managed according waste management procedures.	L2	On site manager/ Foreman