

HSSEQ Form RA-007 Lifting Operations	Revision 0
RISK ASSESSMENT & ENVIRONMENTAL IMPACT	



TASK / ACTIVITY	Lifting Operations		ASSESSMENT DATE	29/07/2016	NEXT REVIEW	28/07/2017	RECORD No	RA-007
			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-007 Lifting Operations							

** 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	Lifting equipment: Lifting and moving of heavy objects, equipment, materials, drums etc.	<ul style="list-style-type: none"> Fall of objects Serious injury / possible death Damage to equipment Hazardous material Spill 	H6	<ul style="list-style-type: none"> Periodic inspection and maintenance of all lifting equipment. Certificates to be available before start of works. Isolation of working area from accidental access – non working personnel 	M4	On site manager/ Foreman
02	Vehicle movements, e.g. fork lifts, trucks etc.	<ul style="list-style-type: none"> Accidental move Crash or struck between Physical injury to all parts of body, possible death Damage to vehicles and structures, 	H6	<ul style="list-style-type: none"> Licenced drivers only. Vehicles not to enter the work area without prior arrangements by the Supervisor. Erect cones, light, signs, and barriers around work area. Pedestrians to use footpaths where possible, wear high visibility clothing. Always be aware of moving plant and 	M4	On site manager/ Foreman

				vehicles.		
03	High pressure hoses/tubes on lifting equipment	<ul style="list-style-type: none"> • Breaking or hose/tube Scattering of pieces / liquid under pressure • Serious injury 	M4	<ul style="list-style-type: none"> • Inspection of lifting equipment before and after works. • Equipment certificates available before start of works 	L2	On site manager/ Foreman
04	Electrical services above	<ul style="list-style-type: none"> • Electrocution • Injury / possible death 	H6	<ul style="list-style-type: none"> • Ensure electrics which are not used are disconnected or locked off before the execution of works. Carry out visual checks before commencing work. Only trained personnel involved in relevant operations. 	M4	On site manager/ Foreman
05	Lifting & transportation of hazardous waste package/ drum	<ul style="list-style-type: none"> • Fall of package containing hazardous waste • Spill of hazardous material 	M3	<ul style="list-style-type: none"> • Lifting means certificates available before start of works • Readily available spill containment kit 	L2	On site manager/ Foreman
06	Crane / lifting equipment fall over	<ul style="list-style-type: none"> • Total damage to equipment • Multiple injuries / deaths 	H6	<ul style="list-style-type: none"> • Secure cranes on the ground against soil collapse / crane turn over • Forbid use on uneven ground / specifically design movements on inclined ground (less than 5°). 	M4	On site manager/ Foreman