

	<b>AI Seal Contracting &amp; Trading Co. (WLL)</b>		<b>Document Reference</b>	
			<b>ALSEAL/HSE/CTS-FORM-023</b>	
	<b>RISK MANAGEMENT SYSTEM</b>		<b>Rev. No.</b>	<b>Rev. Date</b>
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## AI Seal Contracting Risk Management System

### Risk Assessment-Fire

<b>Contract number and title:</b> <b>COMMUNICATIONS TOWERS AT AL RUWAIS,  AL GHASHAM AND HALUL ISLAND, Q-406-01</b>	<b>RA number:</b>	<b>Element of work:</b> Fire Risk	<b>Risk assessment</b>	<b>Date:</b> 14/05/2018
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Severity		Likelihood		Evaluation of risk		
NO INJURY MINOR MODERATE MAJOR FATALITY	1	RARE UNLIKELY OFTEN LIKELY EXPECTED	1	12 - 25	High	Action required urgently to control the risk, further resources may be required, work must stop immediately
	2		2			
	3		3			
	4		4	5 – 10	Med	Action required to control the risk, interim measures may be necessary in the short term, able to proceed with work under supervision
	5		5			
				1 – 4	Low	This represents a low risk, although control measures must be maintained

Job Steps	Hazards	Who might be harmed? Employees Contractors Public Others Environment	How?	Initial risk?			What controls are required?	Residual risk?			Action by
				Severity	Likelihood	Risk Rating		Severity	Likelihood	Risk Rating	
Adequate Fire equipment to be provided in the working area and shall be of suitable capacity and located in suitable areas	Inadequate and wrongly placed fire equipment can cause a delay in dealing with fire should it occur	Office staff; Visitors, of maintenances and Environment	Fire getting out of control Injury to employees Damage to property	5	5	25	Adequate fire equipment to be provided and placed at suitable locations	2	3	6	Project HSE Department

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Fire equipment must be unobstructed at all times and regularly inspected and serviced.	Non availability of equipment	Office staff; Visitors, workforce of maintenances and Environment	Loss of live and extensive property	5	5	25	Monthly checklist of all equipment	2	3	6	Project HSE Department and Forman
Fire fighting team on site should be trained in the operation of fire fighting equipment and should be familiar with fire equipment locations	Untrained personnel using wrong type of equipment to distinguish the fire; Delays in searching for fire extinguishers	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	5	5	25	Provide training and have fire drills periodically	2	3	6	Project HSE Department
Water based fire extinguisher shall not be used on electrical equipment or burning liquids	Electrocution Increase spread of fire Explosions	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	5	5	25	Trained personnel	2	3	6	Project HSE Department
Fire alarms to be tested to make sure that it is working and that it can be heard everywhere on site	Fire alarm not functional People not hearing the sound of alarm	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	4	5	20	Monthly checklist	2	2	4	Project HSE Department
All combustible materials to be removed from building interiors at the end of each shift and stored in properly allocated stores at least 5m away from any structure	Fire can occur	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	5	5	25	Induct workers on usage and storage of combustible materials	2	3	6	Project HSE Department to be monitored / Foreman
Storage of any material against the exterior of buildings is prohibited as it interfere with access	Access blocked and people trapped inside; Fire fighting team not able to obtain access	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	5	5	25	Store material 5m away from exterior of buildings	2	3	6	Project HSE Department to be monitored / Foreman
Cigarettes ends must be carefully stubbed in the ash trays provided and not thrown into rubbish bins	Fire can occur in the bins	Office staff; Visitors, workforce of maintenances and Environment	Damage to property	4	5	20	Ash trays and waste bins to be emptied after every shift, Induct all personnel	2	2	4	All Smokers / Project HSE Department to be

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											monitored
Persons misusing of wilfully damaging fire equipment to be disciplined	Shortage of fire fighting equipment in the case of fire	Office staff; Visitors, workforce of maintenances and Environment	Injury to employees Damage to property	5	5	25	Supervisor to enforce	2	3	6	Project HSE Department to be monitored / Foreman
Enough exist to be provided for every person to get out safely and easily	Overcrowding at exist point during fire	Office staff; Visitors, workforce of maintenances and Environment	Bruises, cuts, broken limb even fatalities	5	5	25	Fire escape routes to be determined and clearly marked	2	3	6	Project Manager ,Project HSE Department

### Fire Fighting and Prevention

- Adequate fire fighting equipment shall be provided in the working area.
- The equipment shall be of suitable capacity and located in suitable areas, i.e. flammable stores, gas stores, fuel stores etc.
- Fire fighting team members working on site should be trained in the operation of the fire-fighting equipment, and should be familiar with the location of the fire extinguishers allocated to each individual. This prevents team members trying to obtain the same extinguisher for use.
- Fire fighting equipment, fixed or portable, must be unobstructed at all times. All such equipment shall be regularly inspected, serviced and a register kept.
- Water based fire extinguishers shall not be used on electrical equipment or burning liquids.
- Portable fire and safety equipment must be strategically placed with a view of potential hazardous incidents and is therefore regarded as life-saving equipment and should only be used for that purpose.
- Disciplinary action shall be taken against any person who misuses or wilfully damages fire fighting or safety equipment.
- When flammable leaks or spillage occur, appropriate warning signs and barricading should be placed to keep personnel away from the affected area. Every effort must be made to contain the spillage. All hot work like welding in the vicinity must be stopped.

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- In the event of any leak from a gas cylinder, the supervisor must be notified immediately, the area must be barricaded, cleared of personnel and no vehicles allowed in the vicinity.
- Offices, desks, cabinets, etc., must always be kept tidy and uncluttered. Waste paper bins must be emptied regularly.
- Cigarette ends must be carefully stubbed in the ashtrays provided and never to be thrown into the waste bins.
- When using electrical equipment, cable must be in good condition and the nearest convenient socket used.
- Poor sockets must not be loaded beyond their rated capacity by means of adapters. Makeshift electrical connections are not permitted under any circumstances.
- All combustible materials shall be removed from building interiors at the end of each shift, and placed in waste containers located at least 2 metres away from any structure.
- The storage of any materials against the exterior of buildings is prohibited as it may interfere with access.