



CLIMATE RISK ASSESSMENT



Business Name & Address: _____ **Property Name/PIC:** _____

Audit Team: _____ **Audit Date:** ____/____/____

RISK CALCULATOR	LIKELIHOOD – The likelihood of the exposure causing injury to a person given the frequency of exposure				
	ALMOST CERTAIN <i>Is expected to occur in most circumstances</i>	LIKELY <i>Will probably occur in most circumstances</i>	POSSIBLE <i>Might occur at sometime</i>	UNLIKELY <i>Could occur at sometime</i>	RARE <i>May occur in exceptional circumstances</i>
CATASTROPHIC <i>Death or permanent disability</i>	EXTREME	EXTREME	EXTREME	EXTREME	HIGH
MAJOR <i>Serious bodily injury</i>	EXTREME	EXTREME	EXTREME	HIGH	HIGH
MODERATE <i>Casualty Treatment</i>	EXTREME	HIGH	HIGH	MODERATE	MODERATE
MINOR <i>First aid only, no lost time</i>	HIGH	HIGH	MODERATE	LOW	LOW
INSIGNIFICANT <i>No injuries</i>	HIGH	MODERATE	LOW	LOW	LOW

RISK CLASS	ACTION REQUIRED
OK or Not Applicable	No Foreseeable Risk - OK for now; Review if any equipment/people/materials/work methods or procedures change. Or this particular inspection item is Not Applicable to this workplace
EXTREME	Extreme Risk - Act Now Do something about these risks immediately. Stop the task until the hazard is controlled and the risk managed.
HIGH	High Risk - Act As Soon As Possible. Do something to manage these risks as soon as possible. Consultant with Management
MODERATE	Moderate Risk - Develop a PLAN to manage these risks / note any suggestions on how the risk might be managed.
LOW	OK for now; Review if any climatic conditions / equipment/people/materials /work methods or procedures change.



IDENTIFIED HAZARDS	OK or NA	EXTREME (Act Now)	HIGH (Act ASAP)	MODERATE (Plan)	LOW (Review)
Meteorological conditions					
1. Is there a designated person/s that monitor meteorological changes for conditions conducive with storms, severe weather events , flooding or bushfires?					
Flooding					
2. Are there clear and concise emergency evacuation procedures for a flood event?					
3. Are there clear and concise search and rescue procedures for a flood event?					
4. Is there adequate equipment available to carry out emergency search, rescue and evacuation procedures during flood events?					
5. Are there procedures for the use of flood-boats and amphibious vehicles (e.g. Argo) during a flood event?					

IDENTIFIED HAZARDS	OK or NA	EXTREME (Act Now)	HIGH (Act ASAP)	MODERATE (Plan)	LOW (Review)
6. Are employees appropriately licensed or trained in the use of this equipment?					
7. Has the equipment been inspected, tested and serviced in the last 12 months, with reports to Management? (e.g.: If a boat is being used, is it seaworthy (watertight)?					
8. Have flood boats got sufficient PFDs (lifejackets) for the registered number of occupants?					
9. Do the PFD's comply with Australian Standards and are still in date?					
10. Has any defective or out of date equipment been repaired or replaced?					
11. Are procedures regarding flood events and evacuations posted on staff noticeboards and included in workplace inductions?					
12. Are flood drills and emergency procedures conducted on a regular basis to ensure each employee knows the procedures and any responsibilities, should a flood occur?					
13. Have flood and emergency procedures been reviewed at least annually or immediately after a flood emergency event?					
14. Have adequate records been kept of flood height, areas of inundation, etc. for review of environmental effects by owner or government agencies?					

Bushfire

15. Are there clear and concise procedures in place for dealing with bush or grass fires?					
16. Are there clear and concise emergency evacuation procedures for a "catastrophic" bushfire event?					
17. Has the fire fuel load been reduced by keeping the grass cut, clearing away fallen leaves, dead undergrowth, bark and woodpiles or other combustible materials near buildings?					
18. Have the gutters of buildings been cleaned of leaves and other combustible materials?					
19. Have the drain pipes from gutters been blocked and the cutters filled with water if a bush fire front is approaching the buildings?					
20. Have all overhanging trees and shrubs close to the buildings been removed or replaced with low flammability shrubs away from buildings to help slow down wind, reduce radiant heat and catch flying embers and sparks from bushfire?					
21. Are all fence lines cleared of debris and trees, regularly (i.e. every 12 months).					

IDENTIFIED HAZARDS	OK or NA	EXTREME (Act Now)	HIGH (Act ASAP)	MODERATE (Plan)	LOW (Review)
22. Is there sufficient fire fighting equipment for the protection of buildings, humans and animals?					
23. Is there easy access to adequate water supplies (e.g. tank, dam, swimming pool), that do not rely on electricity, for protection of buildings, humans and animals.					
24. Has the fire fighting equipment been inspected, tested and serviced in the last 12 months, with reports to Management? (e.g. hoses, pumps, portable tanks)					
25. Are procedures regarding bushfires and evacuations posted on staff noticeboards and included in workplace inductions?					
26. Are bushfire drills and emergency procedures conducted on a regular basis to ensure each employee knows the procedures and any responsibilities, should a bushfire occur?					
27. Are hazardous goods or materials stored away from residential areas?					
28. Does your hazard management plan include environmental risk and consideration of pre-season hazard reduction burn-offs?					
Land use and Natural Surroundings					
29. Is the past land use known? What is the environmental risk?					
30. Is there any environmental risk from the present land use?					
Historic, Social and Cultural Sites					
31. Is the site in or next to an environmentally sensitive site or environmental conservation area?					
32. Is the site in or next to a site or thing that is historical, archaeological, palaeontological or architectural significance?					
33. Is the project or activity in or next to a Native Title area or will it affect the current use of lands and resources for traditional purposes by Aboriginal Peoples?					
Buildings					
34. Is there an environmental impact from existing or new buildings? (asbestos, sewage)					

IDENTIFIED HAZARDS	OK or NA	EXTREME (Act Now)	HIGH (Act ASAP)	MODERATE (Plan)	LOW (Review)
Soil					
35. Is the soil type acid sulphate?					
36. Does the soil type have salt issues?					
37. What is the soil stability / erosion like?					
38. Does the soil have prior contamination?					
Surface water					
39. Is the project within 30 meters of surface water?					
40. Are government permits required?					
Drinking water					
41. Is the site supplied with potable drinking water? What is the water quality?					
Sewage and grey water disposal					
42. Does the sewage system meet the environmental guidelines for the project?					
43. Does the grey water system meet the environmental guidelines for the project?					
44. Is sewage and grey water transported to a disposal site? (What is the risk of transport)					
Water drainage					
45. Is excess water runoff from buildings and structures controlled as per the projects guidelines?					
46. Will earth works / roads affect the natural runoff of storm water?					
47. Are spill and accident management procedures in place?					

IDENTIFIED HAZARDS	OK or NA	EXTREME (Act Now)	HIGH (Act ASAP)	MODERATE (Plan)	LOW (Review)
Animals and plants					
48. Are there any at risk plants?					
49. Are there any at risk animals?					
50. Are there any migratory, protected or endangered species of animals / birds or fish?					
Air quality					
51. Will the work process produce any offensive odours?					
52. Will the work process produce environmental damage from dust, smoke or exhaust fumes that are outside the project environmental guidelines?					
Noise					
53. Are noise levels environmentally acceptable as per the project guidelines?					
Light					
54. Do lights on buildings, vehicles and plant meet the environmental guidelines of the project?					
ADDITIONAL HAZARDS					
43.					
44.					
45.					
46.					

RISK ASSESSMENT AND MANAGEMENT RECORD									
HIERARCHY OF CONTROLS PLANNED OR IMPLEMENTED									
Item #	Date	Identified Hazard	Assessed Risk Level	Control 1 Eliminate	Control 2 Substitute	Control 3 Isolate or Guard	Control 4 Redesign or Engineering	Control 5 Administration	Control 6 PPE

IMPLEMENTATION AND CONTROL SHEET						
Item #	RISK MANAGEMENT ACTION REQUIRED	Responsible Person	Cost \$	Target Date	Date Actioned	Revised Risk Level after Action