

EXCAVATOR RISK ASSESSMENT

Form 0022

Note: This Risk Assessment is to be used in conjunction with the Operators Manual.

- Do not operate or work on this machine unless you have read and understand the instructions and warnings in the Operation & Maintenance Manual.
- Failure to follow the instructions or heed the warnings could result in injury or death.
- Contact supplier/dealer for replacement manuals.

Type:	Excavator
Make & Model:	E27 New Holland
Assessment conducted by:	David Moore
Date of Assessment:	14/01/14

Infraworks Safety Risk Matrix

RISK RANKING CHART				PROBABILITY				
				CERTAIN	LIKELY	POSSIBLE	UNLIKELY	REMOTE
CONSEQUENCES				Commonly Occurs	Has Occurred	Could Occur	No Likely to Occur	Practically Impossible
				A	B	C	D	E
Equipment and Operations	Environmental Impact	Personal Injury						
More than \$500,000 loss	Catastrophic Environmental Event (publicity)	Fatality or Permanent Disability	1	1	2	4	7	11
Up to \$500,000 loss	Major Environmental Event (prosecution)	Major LTI (> 7 days lost from work)	2	3	5	8	12	16
Up to \$100,000 loss	Serious Pollution (temporary/permanent damage)	Lost Time Injury	3	6	9	13	17	20
Up to \$10,000 loss	Minor Pollution (Minor spill – temporary damage)	Medical Treatment Injury	4	10	14	18	21	23
Less than \$500 loss / No damage	Nil Impacts / Affects	First Aid Injury / No Injury	5	15	19	22	24	25
LEGEND:				1-6 HIGH RISK	7-15 MEDIUM RISK	16-25 LOW RISK		

Hazard Identified	Risk	Risk Assessed	Possible Risk Control
1. Are there any specific warnings or conditions (manufactures or other) relating to potential hazards from the operation of the item of plant?	1	Overhead Power	Use Height Restrictor when under live power Use spotter when under live power
	18	Hydraulics	Daily Pre-Start Visual inspection of Hydraulic lines before operation Maintenance Program on Equipment Competent Operator
	2	Roll/Tip Machine	Use Spotter and ensure Safe Place Ensure Ground is Firm
2. Can anyone be CRUSHED?	4	Unexpected Movement	Operator to be aware of personnel and plant surrounding machine before moving
		Plant tipping or rolling	ESTOP installed ROPS installed
		Personnel walking around machine	Amber beacon Seat Belt to be worn
		Other plant moving around machine	Rear view mirror installed Reverse beeper Use a spotter or assistant with any movement of plant
3. Can anyone be STRUCK whilst operating the plant	4	Contact with other plant and equipment when moving	Spotter or assistant to guide when moving Clear obstacles
		Contact with workers when moving around plant	Create Danger / exclusion zone around operation machine if required when moving sound horn once to move forward, 3 times to reverse, amber flashing light, reversing beepers
4. Can a hazardous PRESSURE be produced?	4	Hydraulic hose blown	Maintenance Program including inspections Daily Pre-Start Visual check before operation by operator Correct PPE
5. Can an ELECTRICAL hazard be created?	1	Overhead Power	Spotter used when working under live power Access permits issued Height Restrictor used when under live power
6. Can anyone using or near the plant SLIP, TRIP or FALL?	9	Slips, trips and falls	Correct PPE – lace up boots Take care when climbing in and out of plant
7. Does operation of the plant cause extreme TEMPERATURE changes?	9	Plant Overheating	
8. Can certain WEATHER conditions create a hazard	9	Unstable Ground	Visual inspection of ground and ensure ground is firm Use timber blocks if required
9. Can the plant become UNSTABLE during operation?	9	Overloading	Ensure plant is not overloaded Ensure load is positioned correctly
10. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard?	1	Overhead Power	Use Protection Officer to pilot any movements through other worksites
	9	Other Workgroups	Use Horn/Beacons Awareness of other workgroups
11. Can CHEMICALS create a hazard	9	Hydraulic Leak	Regular Maintenance and Daily Plant Inspection Oil spill kit
			Appropriate EWP Licence required Supply Authority training
12. Operator TRAINING / QUALIFICATIONS?	N/A	Training on Machine Qualifications	