RIIMPO301: CONDUCT HYDRAULIC EXCAVATOR OPERATIONS ASSESSMENT

Please print clearly: Illegible or incomplete forms will be returned and processing will be delayed.

Authorisation details: Conduct hydraulic excavator operations and:			
Equipment type *(including make and model):*	EH2500		
Equipment owner *(please select):*	☑ **Peabody owned** *or* ☐ **Contractor owned**		
Site authorising at *(must be separately authorised at each site):*	☐ **Coppabella** *or* ☑ **Moorvale**		

Training pathway to be completed (please select):			
☐	**Full training** – *is required to go through the minimal supervision training pathway upon completion of the theory component*	☑	**RPL/RCC training** – *upon completion of the theory component the candidate can progress straight to the final assessment stage of the practical component.*

Candidate details:			
Full name:	Grant Turnbull	**DOB:**	10.06.76
Employer:	Peabody	**OSTE ID#:**	642174

Evidence: *(details must be included e.g. RIIMPO301 certificate dated 10/02/16 etc.)*	
☑	**Mandatory – Site authorisation: Plan and organise work:** completed 04/10/2024.
☑	**Type:** SITE REFRESHER.
☐	**Type:**

I confirm that the information provided is accurate and that I have confirmed the records entry in OSTE or have attached evidence.

Assessor:	ANDREW LOIZON	**Sign and date:**	24/2/24

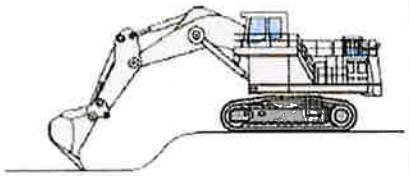
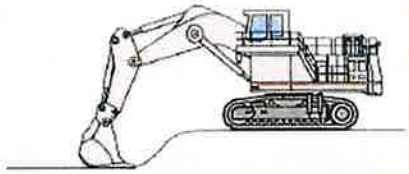
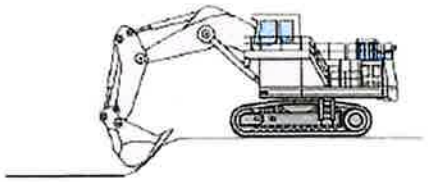
Department Superintendent approval *(required before any training is to take place)*:			
Full Name:	Matthew C. Hibberd	**Sign and date:**	Digitally signed by Matthew C. Hibberd Date: 2024.02.25 06:28:27 +10'00'

Transition to minimal supervision acknowledgment (Applicable to full training only):			
Supervisor:		**Sign and date:**	
Trainer:		**Sign and date:**	
Candidate:		**Sign and date:**	

Final assessment acknowledgment:			
Overall assessment result (please select):	☑ **Satisfied** ☐ **Not satisfied**		
Restriction to authorisation (please select):	☑ **Nil** ☐ **Yes – identified in assessor comments**		
Supervisor:	BRENT MACKIE	**Sign and date:**	25/02/2024
Content Expert:		**Sign and date:**	
Assessor:	ANDREW LOIZON	**Sign and date:**	25/2/24
Candidate:	Grant Turnbull	**Sign and date:**	25.2.24

Site Senior Executive / Site Senior Executive delegate authorisation:			
Full name:	DOLLAN JENKIN	**Sign and date:**	07/03/2024.

Question	Answer	Please select S	Please select NS
1.9. What action would you take in the event of a fire on the excavator?	i. Shut the machine down as soon as possible ii. Hit e-stop iii. Call emergency iv. Plan egress from machine. v. Only fight the fire if safe to do so	☑	☐
Element 2: Operate hydraulic excavator			
2.1. Before commencing the startup procedure you must:	Please circle the correct answer/s: a) Report to the supervisor (b) Check the immediate area is clear of personnel and equipment c) Check with the cross shift	☑	☐
2.2. What should you do if the air cleaner restriction indicator illuminates?	Call workshop.	☑	☐

Question	Answer	Please select S	Please select NS
2.12. What is the optimum bench level when determining digging depth?	Please circle the correct answer/s: a) At full boom extension b) At full boom plus stick extension c) At full boom, stick and bucket extension (d) At full stick and bucket extension	☑	☐
2.13. Which diagram shows the ideal position for keeping the pit floor level?	Please circle the correct answer/s: a)  (b)  c) 	☑	☐

Question	Answer	Please select S	Please select NS
2.21. What precaution should you take if you are working in an area where a geological fault or shear is located?	Please circle the correct answer/s: a) Keep close to the high wall b) Undercut the face to bring the loose material down quickly c) Discuss the job with your supervisor before proceeding d) Operate further from the high wall than usual	☑	☐
2.22. Why must the excavator work along the wall, dragging material down at full bucket reach?	Please circle the correct answer/s: a) To increase efficiency b) To reach the top of the wall c) To get the job done as quickly as possible. d) To protect the excavator and operator	☑	☐
2.23. If the bucket reach is too short, what should you do to scale a wall?	Please circle the correct answer/s: a) Do not scale that part of the wall b) Build a mound to enable the excavator to reach the high wall. c) Tram to the top of the wall and scale from above. d) Work as close to the wall as possible to maximise reach	☑	☐

Question	Answer	Please select S	Please select NS
2.35. How do you avoid stall conditions?	Access material type Dont over load bucket.	☑	☐
Element 3: Carry out operator maintenance			
3.1. List four things you would consider when setting up the excavator for maintenance.	i. Flat area ii. Clear of hazards. iii. Approved Area iv. Excavator parked up as per OEM spec	☑	☐

Assessment stage		1. Minimal supervision *(trainer)*		2. Final assessment *(assessor)*	
#	Practical demonstration	Date:		Date: 24/9/24	
		S	NS	S	NS
5	**Completes pre-start inspections** • Completes pre-start checklist • Tags and isolates • Adjusts seat and seat belt • Selects, and checks for faults, equipment and / or attachments for work activities • Reports faults and defects • Checks hydraulic tank relief valve • Identifies and explains each gauge, warning light and management system • Coordinates activities with others at the site prior to commencing, during and on completion of the work activity	☐	☐	☑	☐

6	**Completes excavator start up**
	• Sounds warning
	• Starts and runs machine at low idle for the required duration
	• Monitors gauges for equipment status throughout the shift
	• Checks swing brake for operation
	• Checks all hydraulic functions
	• Identifies and explains the appropriate response for the following warnings:
	  - low hydraulic oil pressure
	  - gear box temperature
	• Connects auxiliary hydraulic lines and buckets/attachments when required
		☐	☐	☑	☐

	Initials:			AM	

Assessment stage		1. Minimal supervision *(trainer)*		2. Final assessment *(assessor)*	
#	**Practical demonstration**	Date:		Date: 24/5/24	
		S	**NS**	**S**	**NS**
11	**Positions excavator and undertakes loading** • Accesses, interprets and clarifies geological and survey data required to complete the allocated work • Maintains a safety trough re face fall • Distributes load in truck as per procedure • Maintains 'no dig' boundaries • Directs trucks for loading and dumping • Controls distribution of bulk material into materials handling equipment considering load limits, and ensuring equipment stability • Loads trucks as per procedure - Top loading - Bottom loading - Over the rail loading - Maintains cycle times - Liaises with clean-up machine • Adheres to survey requirements • Monitors and manages equipment performance using gauges, indicators, and warning signals to ensure efficiency of operations • Acts on or reports monitoring systems and alarms • Selects and modifies the operating technique to appropriately meet changing work conditions • Continuously monitors hazards and risks, and ensures safety of self, other personnel, plant and equipment • Maintains communication with trucks • Completes the work plan, within the operating capacities of the equipment	☐	☐	☑	☐
	Initials:				

Assessor comments

The trainer and/or assessor are to list and supply all relevant information/evidence relating to each section of the training and assessment process. This must include details of content experts used. If the trainee is found to have not satisfied the training requirements in any of the required criteria, the trainer(s) and assessor(s) are to list the details of a retraining plan including allocating timescales for further retraining and assessment.

2. Final Assessment

Comments: GRANT DEMONSTRATED THE SKILLS AND KNOWLEDGE TO BE DEEMED COMPETENT

Restrictions to authorisation (if required):

Content Expert:		**Signature and date:**	
Assessor:	ANDREW LOWDEN	**Signature and date:**	24/2/24