

Training:	HPWJ Class A 800 – 5600 Bar Lt/Min	Class B 5600 + Bar Lt/Min	Written Theory & Practical Assessment
Assessment Method:	Writter / Verbally		
Student Name:	fishbers Frail	Driver's Licence No.:	2
Vehicle Type:	1930 to benefit	Fleet No.:	ALAKS HALF
Overall Assessment Result:	competent	Not Yet Competen	t
Guide:	Operator showed full confidence in operation of equipment and job description procedures and answered all questions correctly.		ence in some areas of operation of the dance/instruction before re-assessment can be
Actions Required:	Keep working safely!	Improvement is required in	n the following areas—
N. W.		100	
Assessor Name:	Corec leg	_	
Signature:		Date:	15.04.21
Student Signatur	R	Date:	15/4/21
Assessor Comments:			
OFFICE USE ONLY Completed by Assessor	Prerequisite train	ning completed reference documents sig	hted

Document name:	Н	PWJ - 800 - 50	500 & 560		Total Pages:	Page 1 of 12	
D.I.N:	MS2004	Version:	8	Register No.	n/a	Implementation Date:	01.02.2010
Authorised by:	M.Perry	Position:	Mining	Client Service Man	ager/Train	Last Reviewed:	29.03.2021
File Location:	G:Mainstream	-IMS\7-Trainir	ng, Skills &		Review Due Date:	29.03.2024	



MINING AND INDUSTRIAL SERVICES

Assessors Guidelines

- Assessors must be able to demonstrate the knowledge and skills of this unit through work experiences in the industry relevant to the skills being assessed.
- Where the assessor does not have current experience a "Subject Matter Expert" can be utilised to work alongside the trainer assessor.
- The Training Coordinator is required to verify both the Trainer Assessor and/or the subject matter experts experience and currency

Assessment Guidelines

- This unit must be assessed in the context of this work sectors environment
- This unit must be assessed in compliance with the relevant regulations/legislation and using the policies, procedures process and operational manuals that are directly related to the industry sector for which it is being assessed.
- Assessment must confirm consistent performance can be applied in a range of relevant workplace situations/circumstances

Theory Assessment

- This section should be initially assessed by the workplace Assessor to assist in identifying any training gaps that needs to be addressed
- If the Candidate has any LLN difficulties the assessor may decide to conduct the assessment verbally and note the responses. This adjustment will need to be noted/recorded on the assessment tool.
- The Assessor must confirm all questions have been answered and marked accordingly
- The Assessor conducting the final practical must check all the theory assessment prior to final practical assessment

Assessors Guidelines

- Assessors must ensure that the candidate can safely and competently undertake the tasks being assessed in different situations
- Assessment must be conducted on the work site using real work when it is possible to do so
- The Assessor must ensure that the candidate is able to consistently complete the job in a range of different scenarios
- If the candidate breaches any safety requirements this should be stopped, discussion had, and then marked down on the assessment tool for records

If not yet competent

- If the candidate it deemed not yet competent, he/she will need to return under the supervision of a trainer until he/she is ready for re assessment
- The Trainer and the Assessor will discuss what the level of supervision needed, as they might only need minimal

Evidence Required

- A training logbook will be given the candidate on completion of the course to ensure the requirements of time on the job is reached. This will need to be checked and verified before commencing the final assessment.

Document name:	Н	PWJ – 800 - 56	Total Pages:	Page 2 of 12					
D.I.N:	MS2004	Version:	8	Register No.	n/a	3 Years	Implementation Date:	01.02.2010	
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VVKIII	EN / VERBAL ASSESSIVENT QUESTIONS: May be asked verbally and recorded by assessor	S	NYS
1	What Level of training is required to be able to operate HPWJ Equipment? (circle the correct answer)		
1	a. None Comprehensive training from and Registered Training Organisation Trained by any person on the job		4
2	What is the average Decibels that come from HPWJ unit?		
3	Can the water from a HPWJ unit be used to cut through steel or concrete?		
4	What types of assessment must you (the candidate) be required to complete competently to be able to operate a HPWJ system?		
		5	
5	List at least 4 PPE requirements stated in the legislation when working on HPWJ job.		
	(
6	After using the hot wash system, list the steps required for shutting the unit down		
	a. ,		
	b.		
	d.		
7	List at lest 4 things that HPWJ can be used for		
	a.		
	b. c.		
	d.		





8	What decibel level must your hearing protection reduce to, in order to stay under the required level	5	
9	What type of eye protection does the operator on the gun need to have on? a. 9009165 b. UISOC	5	
10	Do Wellington boots provide adequate protection for your foot? Ves		
11	What does PSI stand for in the measuring of pressure passing through the unit. POUND PEC Square mch	5	
12	What are the 2 measurements that are used to gauge the pressure coming though the HPWJ unit.	5	
13	List at least 4 parts and fitting and what they do on the HPWJ set ups. a. frigger/allows water flow through lonce b. shackles / used hold hose and wat its connecting to d. e. lance / barrel connects to gun weter flows through f. foot Peddal / acts dead man swath h.		
14	List some of what you will inspect on the HPWJ units as a part of the pre-start. a. hoses b. noses c. noses d. dead man loperational check e. f. oil Suel water	5	

Document name:	Н	HPWJ – 800 - 5600 & 5600 + Bar lt/Min - Written & Practical Assessment Total Pages: 1S2004 Version: 8 Register No. n/a Review Period 3 Years Implementation Date:									
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File Location:	G:Mainstream-	IMS\7-Trainin	g, Skills & C	Competency Mana	agement			Review Due Date:	29.03.2024		



15	When should you inspect the equipment you are using? Before use / Start Shift	5
16	Why is required to complete a Pre-Start inspection on the HPWJ unit and the gear prior to starting? TO INSPECT MACHINE FOR FaultS IR any.	S
17	Who is responsible for Duty of Care?	5
18	What's needs to be set up/done prior to starting your HPWJ job? Barrica des , fare set up sob acea	5
19	Describe the safety feature and its components used when you are joining either another hose, gun, or a foot pedal Stocking with a Shackle Cable ties	5
20	when can you enter a barricaded area? After 1f and wen you Have made 905 com 5	5
21	a. towards ground b. Pointing towards Wards Dob	5
22	what are some of the areas that could be considered "sensitive" when HPWJ? a. edefrical componets b. window, door seals c. rubber seals d. huydrolic hoses e. elictric capies f. Plastic fittings h. in solation i. engine sessors j. Clacky Paint other workes	

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23	What are the operating parameters for Class A and Class B HPWJ units? Class A: 800/5600 Bar letters Per manute Class B: S600 Plus BLP	5	
24	How is the operating pressure of Bar litters per minute calculated? PSI Maxium Stated out let of gump in letres Per minute mutipays By maxium working Pressure in Bar	5)()	
25	If you are operating a Class B HPWJ system and you see a small leak, what must be done? Two off realise store energy if Can inspect if not tag out and report	S	
26	What must be completed before commencing any HPWJ works on site		
	a. risk assument b. Bre start c. Permint quethorisation d. Permint quethorisation e. all workers assigned rolls and work f. Set up area to ms and sight stendards complete tool Box talk	5	
27	What is the affect when the operator on the gun frequently releases the trigger? additional strees suit Build up and can couse flowers.	5	
28	How often does any HPWJ operator need to sit a refresher course to remain current to be able to operate? 2. Jear S	5	
29	What is the use of a spotter on a HPWJ job required to do? watch your saftey and Job as your working hold dead man Second Set eyes	5	
30	Describe what the manual unloader does? allows you addust water Pressure up or down	5	

Document name:	Н	PWJ – 800 - 56	Total Pages:	Page 6 of 12					
D.I.N:	MS2004	Version:	8	Register No.	n/a	Implementation Date:	01.02.2010		
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File Location:	G:Mainstream	-IMS\7-Trainin	:Mainstream-IMS\7-Training, Skills & Competency Management						



MINING AND INDUSTRIAL SERVICES

31	Can a pressurised system be left unattended? And explain your response. NO Because Stored & energy
32	What should you do if a person is injured by HPWJ? refference medica card
33	What type of communication should be had between the operator on the gun and spotter? Hand Signals
34	Why should you never perform HPWJ operations from either a ladder? and list at least 1 better choice of equipment that you could use that is more suitable no ladder unstable, scalfold, ewp Better

"End of Assessment"

Document name:	Н	IPWJ – 800 - 56	Total Pages:	Page 7 of 12			
D.I.N:	MS2004	Version:	8	Register No.	n/a	Implementation Date:	01.02.2010
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Training:	High Pressure Water Jetting Class B 5600 + Bar Lt/Min Written Theory & Practical Assessment						
Assessment Method:	Practical						
		Driver's Licence No.:					
Student Name:	Berton C. Hole		15.75 (15)				
Vehicle Type:	Charle bards	Fleet No.:	- 123 Mary				
Overall Assessment Result:	Competent	Not Yet Competen	t				
Guide:	Operator showed full confidence in operation of equipment and job description procedures and answered all questions correctly.		ence in some areas of operation of the dance/instruction before re-assessment can be				
Actions Required:	Keep working safely!	Improvement is required i	n the following areas—				
		,					
Assessor Name:							
Signature:		Date:	15.06.21				
Student Signature:	2	Date:	15.04.21				
Assessor Comments:							
OFFICE USE ONLY Completed by Assessor	Prerequisite train Training manual	ing completed reference documents sig	hted				

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D.I.N:	MS2004	Version:	8	Register No.	n/a	Review Period	3 Years	Implementation Date:	01.02.2010
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om	petency – Practical Assessment	S	NYS
	Demonstrate or explain how to:		
1	Prior to commencing the task, the candidate is required to be able to: - Obtain and understand the job details of the work instruction - Confirm and understand the relevant standards and regulations - Confirm completion of the relevant site access and work control requirements - Identify and control hazards in work area per site requirements - Participate in shift handover/changeover and obtain and or pass on relevant information - Obtain and prepare resources for task - Set up job area to site standards with relevant barricading and signage - Suitable hose connectors and fittings - Ensure the unit has enough fuel for the task - Ensure the correct PPE is worn under the current legislation for the HPWJ task or to site requirements whichever is of a higher standard - Confirm that all team members comply with the site and job competencies	5	
2	The candidate is able to complete site preparation requirements: Confirm job details, scope, location, and all other requirements with the job owner Obtain and understand updates on instructions relevant to the job Confirm all the relevant permits/authorisations Apply relevant site rules and procedures Confirm the required quality and quantity of water for the job Confirm available waste disposal is adequate for all wastes generated Identify and control all the job specific hazards using the SSOW Identify, rectify if able to and report any hazards that are found Coordinate with all other workers in the area of the HPWJ task Ensure that they type of communication is chosen prior to commencing task Be able to pass on all other information that has to do with operations, production, and safety Communication of all requirements back to base	5	
3	Whilst setting up the task the candidate is able to carry out the following: - Prepare the worksite - Establish exclusion zone - Set up required signage - Identify, control hazards as required - Take part in the verification of equipment isolations - Maintain a safe work area for crew members and others	5	

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D.I.N:	MS2004	Version:	8	Register No.	n/a	Review Period	3 Years	Implementation Date:	01.02.2010
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MINING AND INDUSTRIAL SERVICES

4	The Candidate is able to complete Pre, and operational checks on the HPWJ unit and equipment including the following:		
	- Ensure that all HPWJ equipment and its components are in good working order		
	- Hose assembles		
	- Connectors and fittings are fit for purpose		
	- Foot pedal where available		
	- Nozzles are not defective		
	- Ensure inspection tags/cards/records are current		
	- Ensure the configuration of the HPWJ equipment's is done correctly		
	- Ensure the layout of hoses are correct		
	Ensure if hoses are suspended from a height are correctly supported (tied off)	1	
5	The Candidate can select the key equipment variable required for the task		
	- Pressure		
	- Flow rate		
	- Power or RPM of the pump unit where applicable		
	- Nozzle type and size		
	- Hose assemblies		
	- All other control system variables		111
6	The candidate is able to carry out the following task to start the HPWJ system:		
	- Turn on the HPWJ system		
	- Flush the system with water		
	- Check the operations of the unit to ensure its running as it should	,	
	- Trigger is good working order		
	- Foot pedal is responsive where applicable		
	- Check the gun is operational at low pressure before winding it up		
	- Ensure the E-stop is responsive and should be tested before winding the pressure up		
7	The candidate is able to conduct the following operations with HPWJ system:		
	- Operate the jetting gun in a safe and smooth manner		
	- Ensure the correct nozzles is selected and used for the job		
	- Be able to activate and stop the flow of water		
	- Always maintain control of the HPWJ equipment (pump and gun)		
	- Activate the E-stop		
8	After the task completion, the candidate is able to:		
	- Shut down the equipment as per operating manual		
	- Release the stored energy before commencing the dismantle and pack up		
	- Complete a preoperational check and note any hazards to rectified		
	- Complete housekeeping in your job area, always leave the site in a better condition than before you arrived		
	- Equipment is cleaned and stored properly as per company and site requirements		
	- Spills (where applicable) are cleaned and disposed of as per requirements		
	- Complete shift handover/changeover and brief the crew coming on shift and all other stakeholders		
9	The candidate is able to complete the records and reporting requirements:		
	- Assist in the accident/incident reporting process		
	- Report any hazards/faults to ensure to remain in line with company and site requirements		
	- Complete records and documentation		
			I

"End of Assessment"

Document name:	HPWJ – 800 - 5600 & 5600 + Bar lt/Min - Written & Practical Assessment						Total Pages:	Page 10 of 12	
D.I.N:	MS2004	Version:	8	Register No.	n/a	Review Period	3 Years	Implementation Date:	01.02.2010
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MINING AND INDUSTRIAL SERVICES

MAINSTREAM INDUSTRIES TAKE 5

NAME:		mark	2			
DATE: 15/9/21	LOCA	TION:	nain Stra	ear ya	ccl	
TASK: HPWJ				0		
	THINK THE JO	B TROUG	SH		YES	NO
HAS A RISK ASSESSME	NT / SWMS B	EEN CON	1PLETED?		1	/
DO I NEED A PERMIT?	- TYPE:					//
DO I NEED AN ISOLAT	ION?					
ARE YOU TRAINED AN	ID AUTHORISE	D FOR TH	HE TASK?		1	
HAVE YOU COMPLETE	D YOUR PRE-	START CH	ECK OF TOO	DLS / PLANT/	1	
EQUIPMENT?						
ARE THERE OTHER WO	ORK GROUPS	N MY AR	EA?		1	
WEATHER (CONDITIONS		EXPEC	TED SHIFT D	URATION - H	IOURS
HOT COLD	WINDY	THE RESERVE THE PERSON NAMED IN	and the same of th	THE RESERVE AND ADDRESS OF THE PARTY OF THE	8-12	12 - 14
	✓ THE RELEY	VANT HA	ZARDS FOR	MY AREA / T	ASK	
TIME RESTRICTION			EXCAVAT	ION		
UNCLEAR SCOPE OF W	VORKS		OVERHEAD POWERLINES			
MOVING PLANT / TRA	AFFIC	V	UNDERG	ROUND SERV	ICES	
OTHERS WORKING AE	BOVE		CLEARING	GROUND /	VEGETATION	V
OBJECTS FALLING FRO	M ABOVE		UNSTABL	E GROUND		
WORKING AT HEIGHT				T / EROSION		
DROPPING OBJECTS C	ON OTHERS		FLYING PA	ARTICALS / E	EBRIS	1
CONFINED SPACE			UNEVEN	SURFACES		
GASES / FUMES				OUS SUBSTA		
IGNITION SOURCES /	HOT WORKS		STRONG	WIND / HEA	VY RAIN	
NOISE		1	DUST			
VIBRATION			MANUAL	HANDLING		Y
POOR / NO COMMUN			RELEASE	OF STORED E	NERGY	/
INUNDATION / ENGU	LFMENT		ASBESTO			/
FATIGUE					WATERWAY	S
CAUGHT BETWEEN		1		ED LOADS		
PINCH POINTS		4	DARKNES	S / NIGHT /	POOR LIGHT	
OTHER:			OTHER:			

✓ OR RED INDICATES A CONTROL IS REQUIRED

DETAIL THE CONTROLS FOR THE HAZARDS ON THE BACK OF THE PAGE
ALL TAKE 5'S ARE TO BE HANDED IN



MINING AND INDUSTRIAL SERVICES

HAZARD CONTROLS

HAZARD	CONTROL
moving traffic	Barricads/signiage/
noise	ear Protection
Anch Points	gloves
Flying Particals	Barricades PPE tags cone
manual Handling	te team list manual and
readesse Store anergy	we pall trigger
SPINS	SPIN KIT

High Pressure Unit:	Pre-Start Chec	:klist	
Operator Nai		Inspect on D te	
H/P Unit Number		Truck Rego:	
Category 1: Do Not operate machine	Contact Mai	Per anel have fault reutified	
Items to be inspected	Good Problem	If a problem is identified add comme	ents
Oıl	/		
Coolant	1/		_
Hose Fittings (Condition)			-
High Pressure Hose (Condition)			
Hose Ree (Condition)	1		
Trigger / Red Safety Clip (Condition)	1/		
Lance / Barrel (Condition)	//		
Overall Unit (Cond tion)			
Guarding			
E.Stop			
Category 2: Contact Operations Co-	o dir i orici Maintenand	ce Personnel for further information	
Battery Condition (Corrosion)			
Battery Isolator			
Unit Operation			
Areas to be inspected	No	If a problem is identified add comm	ents
Does the unit run smoothly	/		
Are there any water leaks			
Does the Hot box work			
water	тт	T	
Lances	Good Problem	If a problem is identified add comm	ients
Pin nozzle	+		
Fan nozzie	+ //		
Radiator nozzle	<u> </u>		
Comments:			



MINING AND INDUSTRIAL SERVICES

HIGH PRESSURE WATER JETTING ASSISTANT

LOG BOOK TRAINING RECORD



HIGH PRESSURE WATER JETTING OPERATOR TRAINING RECORD

To be eligible to complete the High Pressure Water Jetting Operator Course, an Assistant will have to:

Complete a minimum of 120 hours under direct supervision of a competent High Pressure Water Jetting Operator, working with the following equipment.

- Gun work
- Flex lance / pipe cleaning
- Tank head

Note: 120 hours tank work does not satisfy the competency criteria.

The log below is to be filled out each time the trainee uses high pressure water jetting tools (gun, flexi lance etc). Log book times are to be recorded as actual time on the tools.

Once the 120 hours has been completed the assistant is to lead a work group under the supervision of an Operator / Supervisor / Manager, as a final assessment of competency.

High Pressure Water Jetting Assistant Name:	
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TRAINING RECORD

1.0			
		_	
	-90		