



**COURSE TITLE** : Safe Operation of High-Pressure Water Jetting  
**COURSE DURATION** : 3-day(s) / 12.25-hour(s)                      **COURSE CODE** : HPWJ  
**COURSE CATEGORY** : Competency    **COURSE LEVEL** : Basic  
**HRD CORP SCHEME** : Claimable    **VALIDITY** : 3 years  
**COURSE FEE** : RM1,356.80 (inclusive of 6% SST)

**1. OBJECTIVE(S):**

At the end of the course, the participant will be able to:

- i. Outline legal requirement associated with high pressure water jetting activity.
- ii. Identify roles and responsibilities of parties involve in high pressure water jetting.
- iii. Identify personal protective equipment and safety features required.
- iv. Identify hazards associated with high pressure water jetting activity.
- v. Carry out high pressure water jetting activity safely.

**2. TARGET GROUP(S):**

- i. Supervisor and operator.

**3. ENTRY REQUIREMENT(S):**

- i. Able to understand Malay or English.

**4. TOPIC(S):**

- i. Lesson Learnt.
- ii. Introduction to High Pressure Water Jetting.
- iii. Hazards and Effects.
- iv. PPE Requirement & Equipment.
- v. Water Jetting in a Confined Space.
- vi. Checklist Preparation.
- vii. Video.

**5. LIST OF REFERENCE BOOK(S):**

- i. Occupational Safety and Health Act 1994.
- ii. Factories and Machinery Act 1967.
- iii. Industry Code of Practice for Safe Working in a Confined Space 2010.





**6. LIST OF TEACHING AID(S):**

- i. LCD projector.
- ii. Computer.
- iii. White board with accessories.
- iv. Flip chart with accessories.
- v. HPWJ machine.
- vi. Practical ground.

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. Lecture.
- ii. Discussion.
- iii. Practical.

 	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>		
	COURSE SCHEDULE		
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**COURSE TITLE: SAFE OPERATION OF HIGH-PRESSURE WATER JETTING**

**DAY ONE**

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0845	0.25	Registration	NIOSH
0845 - 0930	0.75	Video Presentation	
0930 - 1015	0.75	Lesson Learnt	
1015 - 1030	0.25	MORNING TEA BREAK	
1030 - 1130	1.00	Continuation	
1130 - 1200	0.50	Introduction to High Pressure Water Jetting	
1200 - 1300	1.00	Hazards and effects	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	PPE Requirement & Equipment	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Continuation	
	<b>7.00</b>	<b>END OF DAY ONE</b>	

**DAY TWO**

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0900	0.50	Review of Day One	
0900 - 1030	1.50	Operational Procedures	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1200	1.25	Continuation	
1200 - 1300	1.00	Water Jetting in a Confined Spaces	
1300 - 1400	1.00	LUNCH	
1400 - 1415	0.25	Video	
1415 - 1500	0.75	Checklist Preparation	
1500 - 1515	0.25	AFTERNOON TEA BREAK	
1515 - 1700	1.75	Written Assessment (Paper 1)	ECD
	<b>5.25</b>	<b>END OF DAY TWO</b>	

**DAY THREE**

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 1030	2.00	Practical Training (On-Site)	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	Practical Assessment (Group) - Paper 2	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	Continuation	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1700	1.25	Continuation	
	<b>7.00</b>	<b>END OF THE COURSE</b>	