



<b>COURSE TITLE</b>	: Safe Working in Hydrogen Sulfide Environment		
<b>COURSE DURATION</b>	: 2-day(s) / 13.75-hour(s)	<b>COURSE CODE</b>	: H2S
<b>COURSE CATEGORY</b>	: Non-Competency	<b>COURSE LEVEL</b>	: Basic
<b>HRD CORP SCHEME</b>	: Claimable		
<b>COURSE FEE</b>	: RM864.00 (inclusive of 8% SST)		

**1. OBJECTIVE(S):**

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

- i. State legal requirement pertaining to hydrogen sulfide.
- ii. Describe hazards pertaining to hydrogen sulfide.
- iii. Apply procedures of entry into hydrogen sulfide areas including emergency response.
- iv. Use the personal protective equipment and other related equipment associated with hydrogen sulfide.
- v. Qualify the workers as competent workers.

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

- i. Workers who are exposed to hydrogen sulfide.
- ii. Managers, supervisors, contractors, visitors etc.

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

- i. None.

**4. TOPIC(S):**

- i. Legal Requirement In Related To Hydrogen sulfide (H<sub>2</sub>S).
- ii. Information on H<sub>2</sub>S.
- iii. Safe Working in H<sub>2</sub>S Area.
- iv. Usage of PPE and Equipment Related to H<sub>2</sub>S.
- v. Emergency Response.

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

- i. Occupational Safety and Health Act 1994.
- ii. 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.

**7. LIST OF CLASSROOM ACTIVITIES:**

- i. Lecture.
- ii. Discussion.

	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>		
	COURSE SCHEDULE		
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**COURSE TITLE: SAFE WORKING IN HYDROGEN SULFIDE ENVIRONMENT**

**DAY ONE**

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0830 - 0900	0.50	Registration	NIOSH
0900 - 1030	1.50	Legal Requirement in Related to Hydrogen Sulfide (H <sub>2</sub> S) <ul style="list-style-type: none"> <li>• OSHA 1994 – Section 15 and Section 24</li> <li>• USECHH 2000, CPL 1997 and NADOPOD 2004 Regulations</li> <li>• ICOP for Safe Working in a Confined Space 2010</li> </ul>	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	Information on H <sub>2</sub> S <ul style="list-style-type: none"> <li>• What is H<sub>2</sub>S</li> <li>• Industrial uses of H<sub>2</sub>S</li> <li>• Where else can you find H<sub>2</sub>S?</li> <li>• Properties of H<sub>2</sub>S – PEL</li> <li>• Health effects of hydrogen sulfide</li> <li>• Pyrophoric iron sulfide</li> </ul>	
1300 - 1400	1.00	LUNCH	
1400 - 1545	1.75	Safe Working in H <sub>2</sub> S Area <ul style="list-style-type: none"> <li>• H<sub>2</sub>S video</li> <li>• Case study - lesson learnt</li> <li>• PTW</li> </ul>	
1545 - 1600	0.25	AFTERNOON TEA BREAK	
1600 - 1730	1.50	Continuation	
	<b>7.00</b>	<b>END OF DAY ONE</b>	

## DAY TWO

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0900 - 1030	1.50	Usage of PPE and Equipment Related to H <sub>2</sub> S <ul style="list-style-type: none"> <li>• Respirators</li> <li>• SCBA</li> <li>• Emergency Life Support Apparatus</li> <li>• Gas Detector <ul style="list-style-type: none"> <li>-Fixed gas detector</li> <li>-Personal gas detector</li> <li>-Area gas detector</li> </ul> </li> </ul>	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1300	2.25	Demonstration and Practical – Usage of Respirators, SCBA, Personal Gas Detector and ELSA	
1300 - 1400	1.00	LUNCH	
1400 -1530	1.50	Emergency Response <ul style="list-style-type: none"> <li>• Scope</li> <li>• Emergency facilities</li> <li>• Training / drill</li> </ul>	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 - 1715	1.50	Workshop: Q & A	
1715 - 1730	0.25	Evaluation and Closing	NIOSH
	<b>6.75</b>	<b>END OF THE COURSE</b>	