



<b>COURSE TITLE</b>	: Safe Working In Hydrogen Sulfide Environment		
<b>COURSE DURATION</b>	: 2 day(s) / 14.00 hour(s)	<b>COURSE CODE</b>	: H2S
<b>COURSE CATEGORY</b>	: Non-Competency	<b>COURSE LEVEL</b>	: Basic
<b>HRDF SCHEME</b>	: SBL		
<b>COURSE FEE</b>	: RM848.00 (inclusive of SST)		

**1. OBJECTIVES:**

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. -

**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. -



**INSTITUT KESELAMATAN DAN KESIHATAN PEKERJAAN NEGARA**  
**NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH**

**KURIKULUM KURSUS**

*COURSE CURRICULUM*

TEL: 03 – 8911 3800 FAX: 03 – 8926 3900

URL: [www.niosh.com.my](http://www.niosh.com.my)




**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. -



Last updated on 01<sup>st</sup> November 2011 by PDD

	<b>NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH</b>			
	<b>COURSE SCHEDULE</b>			
	No. Dokumen	No. Pindaan	Tarikh	Muka Surat
NIOSH-PDD-CS-H2S	00	27 Dec 2011	1 / 2	

**COURSE TITLE: SAFE WORKING IN HYDROGEN SULFIDE ENVIRONMENT**

**DAY ONE**

TIME	HOUR	TOPICS	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 – Sec. 15 and Sec. 24</li> <li>• USECHH 2000, CPL 1997 and NADOPOD 2004 Regulations</li> <li>• ICOP (for safe working in 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> </ul> Pyrophoric iron sulfide	
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>	

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## DAY TWO

TIME	HOUR	TOPICS	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>7.25</b>	<b>END OF THE COURSE</b>	

Last updated on 02<sup>nd</sup> November 2011 by PDD