

UNIDO's E-Learning Courses

Offering new training opportunities to people around the world

How to deal with hydrogen sulphide



Background

- Workers who are exposed to hydrogen sulphide gas (H₂S) present in tanneries and effluent treatment plants (ETPs) can suffer fatal consequences;
- Growing legal and social pressures mean that all tanners need to be familiar with the main occupational, safety and health protection issues related to tannery operations;
- Owners and managers of tanneries and ETPs also need to be fully aware of the dangers posed by this poisonous gas and take all preventive and precautionary measures to protect the workforce from exposure to it;



Using innovation to improve and increase learning efficiency

UNIDO has developed innovative e-learning training materials that can be used in different regions around the world. UNIDO's e-learning course on "How to deal with Hydrogen Sulphide Gas" is self-study, easy to use, and contains an animated visual training tool.

Why take this course?

- This online course offers proper training within tanneries related to dangers associated with H₂S;
- It has been specifically designed to help tanners, tannery managers and operators understand the basic principles of how to deal with hydrogen sulphide gas;
- The course includes a test; after achieving a minimum score of 80 percent upon completion, participants will receive a certificate.





The course complements UNIDO's Safety Handbook on "How to deal with hydrogen sulphide gas in tanneries and effluent treatment plants", which is also available to download after enrolling on the course.

Dangers of hydrogen sulphide gas

- Very high levels of exposure to this poisonous gas can result in unconsciousness and instant death;
- Even at low levels H₂S causes drowsiness, headaches, nausea, damage to the central nervous system, and possible damage to the eyes;
- → H₂S is also flammable and may form an explosive mixture with air.



UNIDO's Safety E-Learning Course on "How to deal with Hydrogen Sulphide Gas"

- ••• UNIDO is committed to improving occupational safety and health practices in tanneries and ETPs to protect the workforce from exposure to H₂S;
- ••• UNIDO's e-learning course is helping to raise awareness among tanners, tannery managers, operators and workers about the basic principles of dealing with H₂S and accidental exposure of workers to the gas;

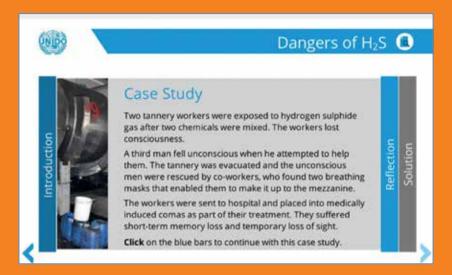






Dangers of H₂S:

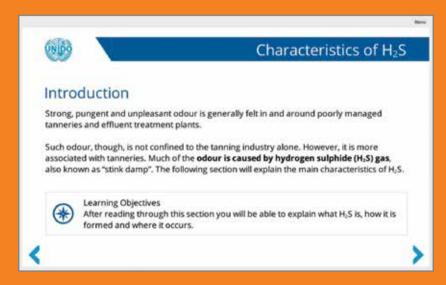
Provides an overview of the health risks and physiological responses associated with the gas.



2

Characteristics of H2S:

This section covers risk areas in which hydrogen sulphide can occur, where it can be formed and under which conditions.





Safety measures:

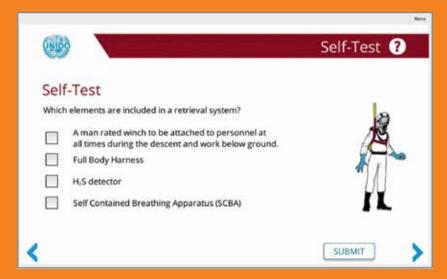
- ••• Learn about preventive measures to decrease the risk of H₂S;





Self-test to practice for the final online test

This course is suitable for self-learning and also for face-to-face learning (classroom training).



Course benefits

Upon successful completion of the course, participants will:

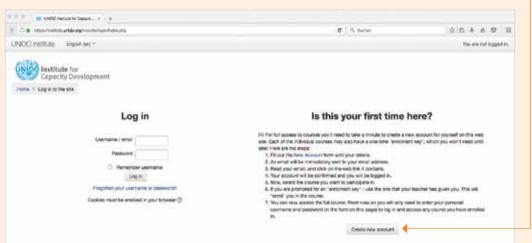
- --- Be able to identify H2S;
- --- Understand the formation and location of H2S;
- --- Be aware of the danger and health effects of H2S; and



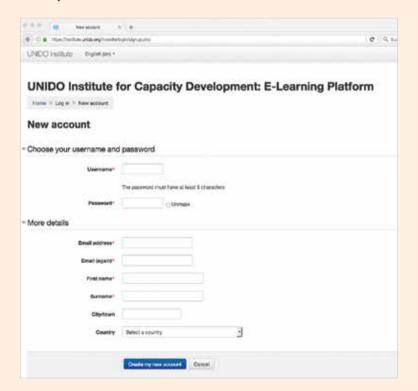


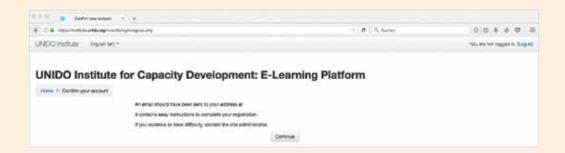
How to enrol on UNIDO's e-learning course on "How to deal with hydrogen sulphide gas"

Follow the link: https://leatherpanel.org/content/unido-line-course-how-deal-hydrogen-sulphide-gas and click "Create new account", as shown below:



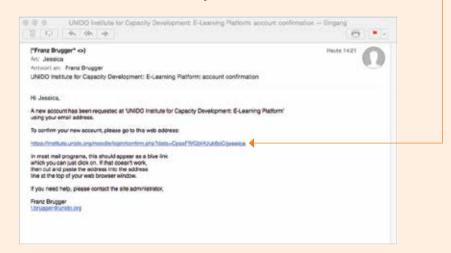
Create your own Personal Username and Password and fill out your personal details, as shown below:





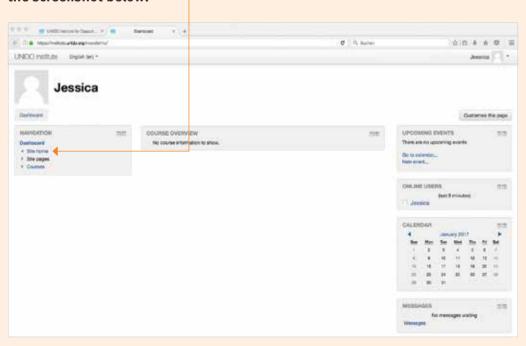
3

Check your emails and click on the link provided, as shown below:



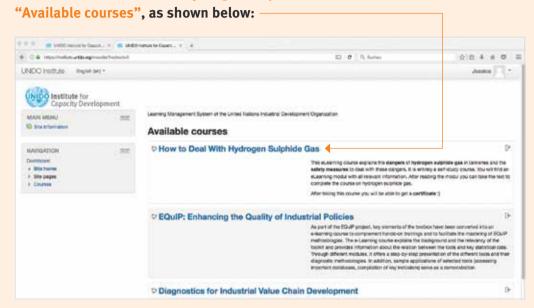
4

Click on "site home", as shown on the top left hand corner of the screenshot below:



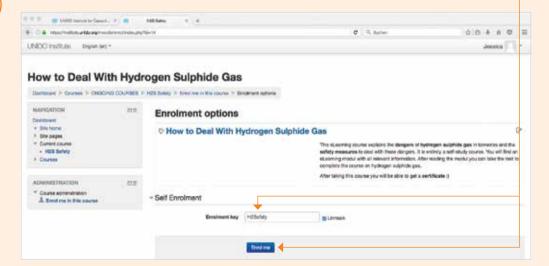


Choose "How to Deal with Hydrogen Sulphide Gas" under



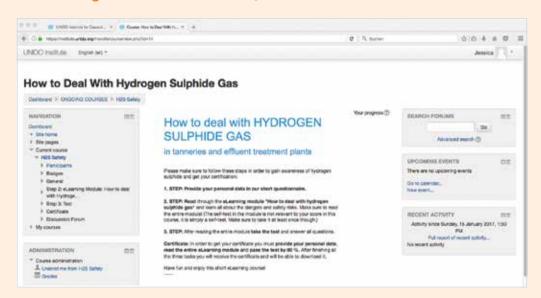


Enter the enrolment key: H2Safety and click "Enrol me", as shown below:



7

You are now enrolled on the course. Follow the Steps provided, which include: entering your personal data; reading through the e-learning course; downloading UNIDO's booklet on H₂S, as shown below:



8

After completing the test, you can download your certificate, as shown below:

