



Sana'a University

Water and
Environment Centre

Low Cost Healthy Water and Sanitation in Emergency and Normal Situation for Yemen

Short Course Information Sheet

Objective:

Improve and building the capacity of water sector trainees on the Low cost Healthy water and sanitation in Emergency and normal situation for Yemen

Duration Time:

20 hours over five days (4hr/day)

Targeted Audiences:

SWSLC engineers, Civil engineers, NGOs.

Expected Outputs:

Attendees of the short course will be able to:

- 1) Discuss and understand the different types of low cost water and sanitation in Emergency cases
- 2) Evaluate the Emergency healthy water sanitation which could be applied during the war in Yemen for IDPS
- 3) Compare the difference between the rural and urban sanitation
- 4) Improve the existing sanitation in Yemen

Contents:

- 1- Basic principles of Environmental Health
- 2- Water supply and sanitation monitoring for IDPs
- 3- Protective clothing for Environmental health
- 4- Survey and evaluation of environmental health activities
- 5- Sanitation ladder
- 6- Total community low cost sanitation (invention by Prof. Kamal Kar from Bangladesh)
- 7- Dry sanitation
 - a. Bucket Latrine
 - b. Pit Latrine (PL)
 - c. Ventilated improved pit Latrine (VIP)
 - d. Ventilated cesspit

A Short course with support of:





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8- Wet sanitation

- a. Percolation pit
- b. Aqua Privy Latrine
- c. Septic tank followed by wet cesspits
- d. Septic tanks followed by small bore sewers to the irrigation field
- e. Septic tanks followed by small bore sewers and WSPs then to irrigation field
- f. conventional sewers followed by WSPs

9- Sanitation Strategy Selection

10- Emergency water and sanitation

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