

Lesson Plan 9: Water Safety Plan



Lesson Description



This lesson plan focuses on describing water safety plan and its implementation steps along with focusing on importance of the disaster / climate resilient water safety plan.

Learning outcomes



1. Summarize Water Safety Plan and its implementation process
2. Discuss disaster/ climate resilient WSP

Materials



- Brown sheet paper
- Permanent Marker
- Masking tape
- Thumb pin
- Cut pieces of steps of Water Safety Plan

Preparation



- Prepare cut pieces of steps of *Water Safety Plan*
- Write steps of WSP on meta-cards

Introduction



5 minutes

1. Ask participants if they have seen people wearing helmet, mask, gloves, wind-cheater.
2. Ask participants why they think it is for? *Possible answer: For safety*
3. Explain to the participants that it is for safety reason, a safety plan.
4. Ask participants if same kind of safety plan is needed in our day to day life. Give example that they have been discussing on water session, what they think about water safety plan.
5. Take few responds from participants and summarize as it is very important to plan for water safety. Thus, they will be discussing more on the topic in the session.
6. Present the learning outcomes.

Water Safety Plan

30 minutes



1. Ask participants, what they think or understand by water safety plan?
2. Summarize the answer of participants and explain WSP as:
A water safety plan is a plan to ensure the safety of drinking water through the use of a comprehensive risk assessment and risk management approach that encompasses all steps in water supply from catchment to consumer. It includes the identification of point/area at which the water could be polluted from the source of collection to the consumer and prevents the possible effect. It ensures to control the effect with regular monitoring and visits.
3. Again ask participants, why is it important to implement WSP?
(It is important because it prevent the possible pollutant from catchment to the consumer by step by step process. Also it will treat the polluted water and ensure the availability of safe drinking water in all manner). In short, to minimize or neutralize the water related risks WSP is implemented.
4. Also inform participants that with the thought of importance of WSP Government of Nepal have included this in policy; so as to maintain water supply system in the community, WSP should be implemented.

5. Ask participants, why do we prefer bottled water (mineral water bottle) to other water?
Possible answer: quality assurance
6. Possible answer might be “quality assurance”. Tell participants that WSP gives the similar assurance of quality of water that we consume.
7. Discussing more on WSP, inform participants that there are various steps of implementing WSP. About the steps, GoN first identified 10 steps which were then combined into 7 steps. Now, again WSP steps have been modified into 10 steps.
8. Inform participants that now they are going to explore the steps of WSP in groups. For the activity, participants will be divided into 4 groups and in their groups, participants will be provided the steps and in groups have to discuss and assemble the steps, chronologically.
9. Divide participants into groups and provide a stack of cards with steps of WSP. Provide 5 minutes for the activity.
10. Once the time is over, ask groups to present their output along with reason. After all groups have presented their output, present the steps written on meta cards one after another and discuss further on the steps.

Trainer note:**Steps of WSP:**

- a. Formation of WSP team
 - b. Assess and analyze water scheme
 - c. Identification of hazards and risk analysis
 - d. Develop control measures
 - e. Improvement plan and implementation
 - f. Monitoring
 - g. Verification
 - h. Short list management related and other activities that contribute WSP
 - i. Identify consumer satisfaction
 - j. Report Writing
11. After discussion on steps of WSP, remind participants of earthquake and flood that took place in different places of the country.
 12. Ask participants what if such natural disaster occurred again in their locality, what can be done in context of WSP.
 - a. Disaster resilient structures should be build
 - b. Climate resilient
 13. Further discuss more on disaster and climate resilience structure as in the disaster prone areas, resilience can be built.
 14. Also explain, in the steps of WSP; from steps 2, 3 and 4 resilience can be built, that is while accessing and analyzing water scheme, or during identifying hazard and analyzing risk or in developing control measures. Example: if some area is prone to flooding than using the measures of mitigation to destruction that might be caused by the natural disaster itself.

Trainer note:

- Assess and analyze water schemes: Catchment area, Siting, opportunity for water harvesting
 - Identify hazard and analyze risk: Environment and climate hazards assessment and impacts on water supply schemes, sanitation, infrastructure and water resources
 - Develop control measure: Identify climate resilient investment options for water supply and sanitation intervention
15. Discuss further with more examples with participants.

Review**10 minutes**

1. Ask to participants to walk around the hall and look something interesting.
2. In their mid-way, ask participants to stop and find a partner nearby.
3. In their pair, ask to discuss on what is WSP? Give 1-2 minute for discussion and ask few pairs to volunteer the answer.
4. Again ask to discuss on importance of WSP with their pair. Ask new pairs to share their conclusion in the large group.
5. Again after 2 minutes ask participants to discuss on steps of WSP with their partner and also the steps in which resilience can be built. Ask few to answer their discussion.

Reflection on Lesson