

สรุปรายงานการไปราชการต่างประเทศ

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นักวิชาการสาธารณสุขชำนาญการ

Annual Meeting of the International Network on Household Water Treatment and Safe Storage and

Joint Workshop on Household Water Treatment and Safe Storage and Water Safety Plans

ระหว่างวันที่ 13 - 21 พฤศจิกายน 2556

ณ เมือง Nagpur ประเทศอินเดีย

1. ความเป็นมาของการประชุม

An estimated 780 million people drink water from unimproved sources, and millions more drink contaminated water from improved sources (UNICEF/WHO, 2012). Unsafe drinking-water, along with inadequate hygiene and sanitation contributes to an estimated 1.8 million annual deaths, approximately half of which occur in children under 5 years of age (WHO, 2013). While countries work to provide universal access to safe, reliable, piped-in water, WHO and UNICEF have called for targeted, interim approaches that will accelerate the health gains associated with safe drinking-water for those whose water supplies are unsafe. One such approach is household water treatment and safe storage (HWTS) to prevent contamination during collection, transport, and use in the home. A growing body of evidence demonstrates that the use of HWTS methods improves the microbiological quality of household water and reduces the burden of diarrhoeal disease in users (Clasen *et al.*, 2007; Waddington *et al.*, 2009).

The basis for HWTS is described in greater detail in the WHO Guidelines for Drinking-water Quality (GDWQ) and the intervention serves as an important control measure in the now widely adopted and WHO supported Water Safety Plans (WSPs) (2011). The WSP process provides a framework to effectively and proactively assess and manage risks to ensure the safety of drinking-water supplies from source to consumption (WHO, 2012). Since the introduction of WSPs in the GDWQ in 2004, an increasing number of governments, water suppliers and other stakeholders have been advocating for or implementing WSPs. According to the recent global analysis and assessment of sanitation and drinking-water (GLAAS), 81% of 74 responding countries either encourage or require WSPs in policies and regulations and/or have begun implementation (WHO, 2012).

One important entity addressing scaling-up challenges is the WHO/UNICEF hosted International Network for Household Water Treatment and Safe Storage (Network). The Network brings together over 140 organizations, including international, governmental and nongovernmental, as well as private sector entities and academia that subscribe to its mission of significantly reducing water-

borne and water-related vector-borne diseases (WHO, 2011). Upon recommendation of the Network Advisory Group, the Network explored possible venues for hosting the Annual Meeting in a country where household water treatment and safe storage is an important intervention for improving health. In addition, the Network has increasingly pursued initiatives to more closely link activities with WSPs. Thus, it was suggested to host the Annual Meeting in conjunction with an event that brought together stakeholders addressing the larger context of water quality with a focus on health.

2. วัตถุประสงค์การประชุม

The main objective was to support countries in addressing water quality and health through active engagement in WSP and HWTS efforts.

The specific objectives were to

- Provide Network members with an update of 2013 activities and seek input for 2014 workplan;
- Provide an overview of current national HWTS and WSP policy and regulatory environment in the participating countries;
- Identify strengths and challenges of the institutional environment and identify specific mechanisms for scaling-up (i.e. HWTS targets, inclusion of HWTS in national efforts to prevent and treat childhood diarrhea, HIV/AIDS & TB, respiratory disease, etc);
- Share lessons learned in policy formulation and implementation, integration with health efforts, and monitoring and evaluation; and
- Demonstrate how to effectively link WSPs and HWTS to ensure optimal health benefits from safe drinking-water.

3. ผู้เข้าร่วมประชุม

Participants included government officials from the Ministries of Health, Water (or equivalent), Public Works, Education and other as relevant, WHO, UNICEF, and organizations implementing HWTS and WSPs, largely in Africa and Asia. Representatives are also expected from other important stakeholder groups, including non-governmental organizations, academia and donors while keeping the event to a manageable size of approximately 100 participants.

4. สรุปสาระสำคัญ

4.1 Annual Meeting of the International Network on Household Water Treatment and Safe Storage (14-16 November 2556)

On 14 November 2013, the WHO and Unicef representatives presented rational and objectives and expected outcome of the meeting. After that, there were presentations of some participated countries.

Topic	Presenters	Countries/Offices
1. Background and overview of HWTS Network and WSP Activities		
- International Network on Household Water Treatment and Safe Storage	Michael Forson	UNICEF
- WSP process, recent developments and linkages to HWTS	Eva Barrenberg	WHO
- WSP efforts in the Asia Region	David Sutherland	WHO SEARO
2. Developing effective policy to increase/maintain access to safe water		
- Considerations for incorporating WSPs and HWTS as part of national policy	Soutsakhone Chanthaphone	Ministry of Health, Lao PDR
- Building WSP/HWTS concepts into a ministerial advocacy and communication strategy on drinking-water	Yusuf Kabir	UNICEF, India
- Addressing safe drinking-water through HWTS and WSP in Kenya	John Kariuki	Ministry of Public Health and Sanitation, Kenya
- Building an effective strategy for Rural Water Safety Planning in Ghana	Worlanyo Siabi	Community Water and Sanitation Agency, Upper West Region, Ghana
3. Scaling-up WSPs and HWTS to reach those without safe water		
- Evaluating household water treatment options, a WHO publication	Nikki Beetsch	WHO
- Integration of HWTS into nation-wide WSPs in Ethiopia	Government of Ethiopia & Waltaji Terfa	WHO
- WSPs and HWTS in the rural context in Pacific Island Countries	John Dennis	EH Consulting

Topic	Presenters	Countries/Offices
- Challenges and lessons learned in increasing access to safe drinking-water in schools in India	Navneet Garg	Vestergard Frandsen

After the presentation, group discussions were carried out in the topic: *Linkages between WSPs and HWTS and implementation*. Then, each group reported the discussion to the main meeting.

On 15 November 2013, the presentations of different countries were carried out as the following topics:

Topic	Presenters	Countries/Offices
1. Integrating WSPs and HWTS with broader health goals		
- Improving uptake of HWTS and health gains by targeting vulnerable populations (i.e. people with HIV, pregnant mothers, young children, emergencies)	Allison Tummon	P&G Children's Safe Drinking Water Program
- Integrating safe water into primary health care efforts targeting the most vulnerable	Florence Kabinga	Ministry of Health, Zambia
- Integrating Water Safety Plans into the Healthy Villages Initiative in Dem, Republic of the Congo	Ligy Philips	Indian Institute of Technology, Madras Chennai, India
2. Monitoring & evaluation		
- A national assessment of point-of-consumption drinking waters in rural Cambodia: Implications for WSPs and HWTS	Phann Sophary and Mao Saray	WHO Cambodia, Ministry of Rural Development, Cambodia
- A toolkit for M&E of HWTS	Ryan Rowe	The Water Institute at UNC
- Conducting household surveys as part of Water Safety Plans	Hasin Jahan	Water Aid Bangladesh
- Setting up Water Quality Monitoring in Afghanistan – Lessons learned	Freshta Taj	UNICEF, Afghanistan
3. Financing and regulation		
- Using microfinance to increase access to safe drinking-water and improve health an example from India	Soumitra Dutta	Health and Microfinance Alliance

Topic	Presenters	Countries/Offices
- Auditing of WSPs	Angella Rinehold	WHO consultant

After the presentation, group discussions were carried out in the topic: *Action plans for joint WSPs and HWTS efforts*. Then, each group reported the discussion to the main meeting.

On 16 November 2013, field trips on Water Safety Plans and Household Water Treatment and Safe Storage were set up at different venues:

1. Water Safety Plan implementation areas in Nagpur
2. Household water treatment units in fluoride affected village (Chichkavtha) and Point of use water treatment
3. Provision of safe water in open defecation free village (Bhendala)

4.2 Joint Workshop on Household Water Treatment and Safe Storage and Water Safety Plans Phase III (18-20 November 2013)

On 18 November 2013, the WHO representatives presented rational and objectives and expected outcome of the meeting. After that, there were presentations of some participated countries.

Topic	Presenters	Countries/Offices
Session 1 Review progress and challenges – Facilitated by David Sutherland (WHO/SEARO)		
- Overview of progress	David Sutherland	WHO/SEARO
- Regional progress	Payden	WHO/SEARO
- Global progress	Angella Rhinehold	WHO/HQ
- WPRO progress	Nasir Hassen	WHO/WPRO
- Country progress - Bangladesh, TBC - Bhutan, TBC - Nepal, TBC - Indonesia, TBC - Myanmar, TBC - Timor-Leste, TBC	Countries' representative	
Session 2 New initiatives: sharing experiences and ideas – Facilitated by Sudan Panthi (WHO/Nepal)		
- HWTS and water safety plans in Bangladesh	SG Mahmud	WHO/Bangladesh
- Addressing climate change risks through water safety plans	Payden	WHO/SEARO

Topic	Presenters	Countries/Offices
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On 19 November 2013, the WHO representative carried out the meeting as the following topics:

Topic	Presenters	Countries/Offices
Session 3 Setting a core team of water safety plan trainers in the region – Facilitated by Angella Rinehold, WHO/HQ		
- Regional plan for developing a core team for water safety plan trainers	David Sutherland	WHO/SEARO
- Standard training package for urban water supply systems	Darryl Jackson	Consultant
- Capacity building in countries – update and future plans - Bangladesh, TBC - Bhutan, TBC - Indonesia, TBC - Myanmar, TBC - Nepal, TBC - Timor-Leste, TBC	Countries' representatives	
- NEERI as an example for a regional training centre	Pawan Labhasetwar	NEERI
- Discussions and identify future actions – including contributions	Asoka Jayaratne	WSP expert

On 20 November 2013, the WHO representative (WPRO) continued the meeting as the following topics:

Topic	Presenters	Countries/Offices
Session 4 Water safety plan impact assessment – Facilitated by Alex Hildebrand, WHO/WPRO		
- Baseline indicators	David Sutherland	WHO/SEARO
- Update on the equity study	Angella Rinehold	WHO/HQ
- Summary of WSP assessment of Nagpur	Pawan Labhasetwar	NEERI (along with NMC, OCW, CDR)
- WSP surveillance and information management in Bhutan	Karma	Bhutan
- Overview of next biennium work plan and budget	David Sutherland	WHO/SEARO

Topic	Presenters	Countries/Offices
- Summary and next steps	Payden	WHO/SEARO

During the meeting, all participants have discussed on the topics presented by various countries. The Thai participant proposed a support from WHO for a study visit on safe drinking water in rural area in Bhutan. The WHO representative (Payden) accepted the proposal and will consider on the WHO budgeting.

5. ผลที่ได้รับจากการประชุม

ได้ความรู้ด้านวิชาการและประสบการณ์ในการแลกเปลี่ยนความรู้ การดำเนินงานด้านการปรับปรุงคุณภาพน้ำบริโภคและภาชนะเก็บน้ำที่ปลอดภัยในครัวเรือนและแผนความปลอดภัยของน้ำของประเทศต่างๆ ซึ่งจะได้นำมาเปรียบเทียบกับการทำงานในประเทศไทย การได้พบกับผู้แทนประเทศต่างๆ ทำให้มีเครือข่ายในการประสานงานระดับภูมิภาคและนานาชาติต่อไป

6. ข้อเสนอแนะ

การส่งผู้แทนประเทศเพื่อเข้าร่วมการประชุมมีความสำคัญที่จะต้องมีความรู้ความเข้าใจเกี่ยวกับหัวข้อการประชุม และด้านสาธารณสุขอื่นๆ ที่เกี่ยวข้อง อีกทั้งต้องมีความสามารถด้านภาษาในการสื่อสารนำเสนอให้ข้อคิดเห็นแลกเปลี่ยน อภิปราย ตอบข้อซักถาม และได้ตอบในที่ประชุมได้ดี และควรเป็นการเข้าร่วมประชุมอย่างต่อเนื่อง ทั้งนี้ควรพิจารณาให้ข้าราชการที่เป็นผู้รับผิดชอบงานที่เกี่ยวข้องได้มีโอกาสเข้าร่วมการประชุมฯ โดยมีผู้แทนหลักเป็นผู้เลี้ยงดูเพื่อเป็นการฝึกประสบการณ์ในการเตรียมตัวเพื่อเป็นผู้แทนประเทศในอนาคตต่อไป