



Great Lakes/South Central/Midwest TAC Meeting – November 9, 2011

Meeting minutes compiled by Tiffany Martindale, P.E., EWB-USA Project Manager

TAC Attendees

1. AnnMarie Spexet
2. Doug Wells
3. Bruce King
4. Mike Cline
5. Chuck Dragga
6. Andrew Tsivoglou
7. Richard Mace
8. Kelly Latham
9. Tiffany Martindale
10. Tracy Beavers
11. Luke Pritchard

Indianapolis Professionals – Kenya – Water Supply

Indianapolis Professionals attendees:

1. Roger Ward
2. Jonathan Mirgeaux
3. Jenna McGregor
4. Nora Seidman
5. Zacheria Cole
6. Rebecca Allen

Indianapolis Professionals reviewers:

1. EWB-USA Project Manager: Tiffany Martindale – tiffany.martindale@ewb-usa.org
2. TAC HASP Reviewer and email: Andrew Tsivoglou - tsiv7175@mindspring.com

Question and Answer with the Chapter

Q: You say a measure of success is the count of coliforms. Who is responsible for doing that testing?

A: We had that documented in the 525. When we're at the spring box to do repair, we will sample coliforms and attempt to measure the water flow rate. We will measure the flow rate after the repair and then again sample the coliforms to see if the repair has made any impact. We'll do this same thing at the new spring box location. – In

terms of the future, our objective is for the local water committees to be able to periodically sample and test for coliforms.

Q: Is this a phase 1 of multiple phases?

A: Only a handful of their sources are safe. Our objective is to get all of their sources protected, either with a hand dug well with a well head and a pump or with a spring box. We probably wouldn't do it all on our own. Our objective is to train them so that they can do that with the hope that all of the water supplies are eventually safe.

Q: Are there plans to tie the spring boxes to a distribution system?

A: Not at this time. There are some opportunities to do this by connecting to a high level water reservoir. Unfortunately, the dam has been breached and it would take a lot of work to reconstruct the dam. It isn't a high priority project. There was a supply that was under operation for about 10 years. This consisted of a pump and an elevated tank in a market area. The tank is still there, but the pump was stolen. It was never replaced because the gov't put the pump in and they refused to replace a stolen pump.

Q: Is there any thought being given to protection of the upland area above these spring boxes?

A: Not at this time. We're aware of efforts to keep the runoff from cattle grazing away from the spring boxes. That is something that we will address on a case by case basis depending on our coliform counts. It appears that most of the spring boxes we've seen are not in an area that is heavily populated. Part of this might be looking at the distance from their latrines to the spring boxes to educate on best management practices.

Q: It looks like the water is free-flowing. Is there thought being given to erosion problems at the outflow of the spring box?

A: Yes, that's why we have the floor under the outflow. The spring boxes that do seem to work well do not have downstream pools. The pooling on some of these spring boxes was done intentionally.

TAC Discussion – Indianapolis Professionals – Kenya – Water Supply

No discussion.

TAC Decision – Indianapolis Professionals – Kenya – Water Supply

APPROVED

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HASP REVIEW, COMMENT AND DISPOSTION FORM

PROJECT TITLE: Sustainable Safe Water Supply
LOCATION: Mayanja-Kibuke, Kenya
CHAPTER: Indianapolis Professional Chapter
REVIEWING TAC REGION: GL/SC/MW

HEALTH AND SAFETY REVIEWER: Andrew J. Tsivoglou, P.E.
(tsiv7175@mindspring.com)

TITLE AND DATE OF DOCUMENT REVIEWED:

- Site Specific Health and Safety Plan, 10/14/2011, David Rieken Jr

COMMENTS:

1. This document, the Site Specific Health and Safety Plan (HASP), is expected to serve as your primary source of immediate information in the event of an onsite or in transit emergency. A printed copy of the HASP must be present on site in case of emergency. Recommend placing it inside the first aid kit and carrying a copy in a handy travel bag.
2. Emergency contact page(s) missing, [page 2/63]; includes note to insert Form 606. Please provide in final edition of HASP. Ditto Personal Health Checklist Form 603, [page 6/63].
3. Referral to other documents hinders review and use of the HASP; specifically little or no information is provided in Section 1.2 on prior activities or participants, only "look elsewhere." TAC review meeting revealed Mr. Ward has been here before, etc. Consider adding brief summaries, under appropriate document subparagraph. Most useful information will be who has been here before, and what activities were pursued/performed.
4. Trip agenda is relatively uncomplicated, expected level of hazards relatively low, protection protocols to be implemented appear appropriate to the activity planned.
5. Be sure to provide means at each work site for team members and local assistants to easily clean/disinfect hands, boots, etc.
6. Size of Teams A and B not completely clear, but such groups will be noticeable as they travel within the area. Suggest team leader(s) remind all at beginning of each day's travel to be vigilant to unwanted or unusual attention.
7. The emergency response plan is entirely generic; it contains no specifics with respect to possible emergency exit needs. Strongly recommend thought be

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HASP REVIEW, COMMENT AND DISPOSTION FORM

given to possible downstream preparations that can be planned in advance, such as:

- before travel or while en-route a team member will gather and have in-hand information on schedules for buses between Bungoma and environs and Nairobi,
- others can gather the name and schedules of other air carriers that may be available to evacuate from Nairobi,
- the team leadership can make preparations for financial instruments that may be needed to pay for emergency movement of the group.
- anything else the team may decide is prudent.

Whatever of these or other measures are planned, be sure to hold a travel team meeting somewhere beforehand or en-route, and communicate as much as possible to all. Brief team members on basics of emergency travel, such as keeping travel documents (passport and visas) secure, travel light, stay alert and together, etc. **Plan/brief team/individual security as much as possible in advance.**

DECISION:

APPROVED.