

Original Incident Report — March 24, 2005

From: Ben Carter
Sent: Thursday, March 24, 2005 10:40 AM
To: Suzanne Raku-Williams; Warren Smith
Cc: Lisa Waterman; Walter Meyers
Subject: Incident report from 23-March-2005 Water contamination

On Wednesday morning I was notified by our Labor Foreman #1 of suspected micro-organisms in his water. Electric#1 had done a visual inspection and reported to me that he also had seen "small worms" moving in the toilet bowl. I went to inspect this myself and saw what I believe were mosquito larvae. This is by no means to be considered to be a fact. I then immediately tested the cold water from the lav sink in Labor #1's hooch for free chlorine. There was none detected. It had been my understanding that this water was non-potable but was chlorinated.

I then proceeded to test several other locations including directly from the water storage tanks. I decided it was necessary to super chlorinate the entire KBR man camp water system. Also after close inspection of the water system, I noticed the storage tank air vents were completely open to outside contamination from a variety of sources. I directed the plumbers to cap the 2" vents on each tank and to install turned down elbows with screens on the 4" openings. This has been completed. There is still improvement needed in securing the manhole covers from future contamination. I obtained two submersible pumps from rowpu and installed them in the tanks, the electrical department responded immediately to install the required wiring. The water tanks were then dosed with HTH chlorine of 68%. After a short period of time a free chlorine residual of 11ppm was obtained. I ran water in the man camp at the furthest point from the tanks until a residual of 13ppm was obtained. At this point in time, we directed all personnel to run the water in their hooch's until chlorine was present at all points. It was determined that the water system should be allowed to sit for a 24 hour period of time. All personnel were directed to not shower or wash clothes until after 24 hours elapsed.

During this same period of time I went out to the military rowpu site to inquire of SFC Roux (Spelling?) about the chlorination of their non-potable water. I was informed that they do not chlorinate this water at all. It is pumped only through their multi-media filter and dispensed from there. This is absolutely unsatisfactory for numerous reasons. To protect from hard-shell cysts, the only approved method is filtration down to 1 micron. Giardia cysts can range in size, but typically 5 micron is acceptable. These cysts cannot be killed effectively with chlorination. It is my opinion that the water source is without question contaminated with numerous micro-organisms, including Coliform bacteria. There is little doubt that raw sewage is routinely dumped upstream of intake much less than the required 2 mile distance. Therefore it is my conclusion that chlorination of our water tanks, while certainly beneficial is not sufficient protection from parasitic exposure. Possibly this can be remedied by additional filtering at the military rowpu through their cartridge filter system. My plan for now until the Water Works rowpu is operational is to perform routine chlorine analysis of the water, and to maintain a 5.0 ppm free chlorine residual at all times. To ensure the success of this new task, I must be informed of every new delivery of water to the tanks prior to filling.

If there is anything I have missed, please feel free to contact me with any questions.

Ben Carter

KBR Services

Rowpu Acting Lead

Camp Ar Ramadi (B-4)

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Harold "Mo" Orr Resignation — April 22, 2005

From: "Jason" <jwalsh981@...>
Date: Fri Apr 22, 2005 2:27 am
Subject: Letter from Mo to HSE office in Al Asad

Jay, from my understanding 3 people (Ben Carter, Harry Grocholski and Tyrone Ross) witnessed something that was not disinfected in the toilet bowl of Laborer 1 (Tyrone Ross). People were notified and things started taking place of which I have no idea because I still have no witness statements nor did any supervisors initiate contact with the HSE department. The near miss report requests statements from all who were present or witnessed. We have determined that the military (Command Surgeon) has not given any kind of signoff on the military ROWPU (As required by the military SOP) nor has KBR ever inquired about this before. This was only discovered thru the investigation of possible contamination by Ben Carter who is right now in charge of the ROWPU. Ben Carter initiated contact with Cpt Hing from Charlie Med to ascertain the current status of the military ROWPU site.

I have requested the proper statements from the personnel that were involved and feel this was in no way above and beyond. There are still possible Health issues and this has been confirmed thru Charlie Med and I am trying to make sure we do all that is possible to prevent Health risks to our employees as well to insure we are not open to exploitation by legal means. So everyone understands that is part of my job requirements.

Site mngr has told Harry Grocholski not to provide the HSE department with any statements and that was confirmed by Harry with witnesses. This is appalling in of itself and beyond reproach. This behavior has been going for a long time and I no longer feel that I want to work in an environment where deception and fraud are common place when no recourse or disciplinary actions are taken against management personnel who flaunt the VALUE's of a corporation. I am resigning now as of this email to all pertinent parties and will copy HR to insure that this is recorded for all.

Terrence Copling and Richard Philmlee are on site as I type this and yet Suzanne still asks employees to lie in their statements as well as tells supervisors to defy the HSE procedures for investigation I find this disheartening and sad for all.

Charles Hazzard I apologize for copying you on this but you are the services DPM and figured you should be aware

Message from Halliburton Public Relations — July 14, 2005

-----Original Message-----

From: Jennifer Dellinger
Sent: Thursday, July 14, 2005 4:15 PM
To: Katja Wimmer; Anthony Reed
Cc: Stephanie Price; Melissa Norcross
Subject: FW: possible water contamination

Kat and Anthony:

Please see the below email from Faith Sproul regarding possible contaminated non-potable (non-drinking) water at B4 in Ar Ramadi. I have spoken with Faith and she does not have much more information at this time. However, she does believe that initial tests showed some contamination to be present. According to Faith, these three former employees (who claim they quit due to the contaminated water) have refused to go to the doctor to be tested. But in order to make a claim for disability, you actually have to have proof of injury.

It's possible we could receive some queries on this if these former employees decide to go to the press. Therefore, can you please run some traps on this and see what you can find out? I don't want to turn it into a big issue right now, but if we end up getting some media calls I want to make sure we have all the facts so we are ready to respond.

Thanks in advance for your help,

Jennifer

Jennifer W. Dellinger

Halliburton Public Relations

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Messages from Wil Granger — July 15, 2005

-----Original Message-----

From: William Granger

Sent: Friday, July 15, 2005 4:28 PM

To: Charles Hazzard; Steven Outain; Roy Mohr; Anthony Reed

Cc: Sari Berman; Matthew Blackledge; Timothy Haines; Victor Casillas; John Hodges

Subject: RE: possible water contamination

It took roughly 2 weeks for all corrective actions to be completed. Superchlorination was reported to me 25May2005. 13 days after corrective actions were advised.

The comment about (1 year) was regarding the duration of exposure may have been occurring since the initial presence of KBR individuals at Ar Ramadi. No documentation was ever recorded thus limiting the ability to recreate the event.

It is my understanding that **today** Ar Ramadi chlorinates its water used for hygiene purposes. I have no documentation to support that but would believe it to be highly likely that chlorination is occurring at the production point, but I am also likely to believe that there is no documentation to support the 3x daily requirement for testing of shower/hygiene water (I apologize if I am wrong). This is in TB MED 577 8-10. This testing is required per our statement of work and I have yet to find an installation that does the required testing let alone has such documents to support their testing activities.

Kind regards,

Wil Granger

KBR Water Quality for Iraq, Kuwait

Camp Victory North Baghdad

[REDACTED]

"Compliance with the law and honesty and integrity in our dealings with others are not to be sacrificed in the name of profits. Management does not and will not condone any such action. Our success will be attained through compliance with the law, dealings evidencing fairness and integrity and a commitment to quality. We expect your wholehearted support of these Company values and principles. " *-Dave Lesar*

-----Original Message-----

From: Charles Hazzard

Sent: Friday, July 15, 2005 3:45 PM

To: William Granger; Steven Outain; Roy Mohr; Anthony Reed

Cc: Sari Berman; Matthew Blackledge; Timothy Haines; Victor Casillas; John Hodges

Subject: RE: possible water contamination

Aren't you sure that you told B4 to super-chlorinate and they did?

Very Respectfully,

Chuck Hazzard **KBR** LOGCAP III

DPM (S); B Sites, Al Anbar Province, Iraq

[REDACTED] [\[REDACTED\]@halliburton.com](mailto:[REDACTED]@halliburton.com)

When one door closes another door opens;
but we so often look so long and so regretfully upon the closed door,
that we do not see the ones which open for us.

-Alexander Graham Bell, inventor (1847-1922)

-----Original Message-----

From: William Granger

Sent: Friday, July 15, 2005 3:26 PM

To: Steven Outain; Roy Mohr; Anthony Reed

Cc: Sari Berman; Matthew Blackledge; Timothy Haines; Victor Casillas; Charles Hazzard; John Hodges

Subject: RE: possible water contamination

ALCON

Here is the initial report from my findings from my investigation at B4 Ar Ramadi. It was sent 13 May2005

To: Remo Butler; Paul Cerjan; Doug Horn; Steve Gulyas **Cc:** Charles Johnson; Kevin Pope.

Summary:

Fact: We exposed a base camp population (military and civilian) to a water source that was not treated. The level of contamination was roughly 2x the normal contamination of untreated water from the Euphrates River.

Duration of exposure: Undetermined. Most likely though was ongoing through the entire life of camp up until 2 weeks after my investigation concluded (possibly a year).

Notifications: I contacted those above to include my Project Manager Sari Berman. I am not sure if any attempt to notify the exposed population was ever made.

Wil Granger

KBR Water Quality for Iraq, Kuwait

Camp Victory North Baghdad

[REDACTED]