



Office of Research Integrity and Assurance

To: David Edwards
TECH

From: Mark Roosa, Chair
Soc Beh IRB

Date: 04/03/2009

Committee Action: **Exemption Granted**

IRB Action Date: 04/03/2009

IRB Protocol #: 0903003833

Study Title: Residential Well Monitoring Plan Survey

The above-referenced protocol is considered exempt after review by the Institutional Review Board pursuant to Federal regulations, 45 CFR Part 46.101(b)(2) .

This part of the federal regulations requires that the information be recorded by investigators in such a manner that subjects cannot be identified, directly or through identifiers linked to the subjects. It is necessary that the information obtained not be such that if disclosed outside the research, it could reasonably place the subjects at risk of criminal or civil liability, or be damaging to the subjects' financial standing, employability, or reputation.

You should retain a copy of this letter for your records.

COVER LETTER

**Development of a Monitoring and Maintenance Program for Residential Wells
Used for Groundwater Abstraction in Lagos State, Nigeria**

Date: _____

Dear _____

I am a graduate student under the direction of Assistant Professor Dr. Edwards in the Department of Technology Management at Arizona State University.

I am conducting a research study to develop a monitoring and maintenance program for residential wells used for groundwater usage in Lagos State, Nigeria. I am inviting your participation, which will involve identifying the level of awareness of water quality issues in the community in regard to groundwater usage. I also will like to know the expectation of your community on the level of water quality they would like to see. The survey is expected to take about 30 minutes.

Your participation in this study is voluntary. You can skip questions if you wish. If you choose not to participate or to withdraw from the study at any time, there will be no penalty. Your participation will help us develop an effective well monitoring plan program that will improve water quality within the community. There are no foreseeable risks or discomforts to your participation. You must be 18 years or older to be part of this study.

Your responses will be anonymous. The results of this study may be used in thesis, reports, presentations, or publications but your name will not be known or used in any of these. Results will only be shared in the aggregate form.

If you have any questions concerning the research study, please contact the research team Binga Talabi at 1-480-570-4770.

If you have any questions about your rights as a subject/participant in this research, or if you feel you have been placed at risk, you can contact the Chair of the Human Subjects Institutional Review Board, through the ASU Office of Research Integrity and Assurance, at (480) 965-6788. Return of the questionnaire will be considered your consent to participate.

Sincerely,

Omogbemiga (Binga) Talabi

Questionnaire (Survey) on Monitoring and Maintenance Program for Residential Wells in Lagos Nigeria

Date : _____

Gender: Male Female

Occupation

Rent Landlord (owner)

Local Government Area:

Number of Wells

Boreholes Dug wells (Konga)

Location of wells

- Front of the Building
- Back of the building
- Side of the building (specify North, South, West or East)

Location of Septic Tanks

- Front of the Building
- Back of the building
- Side of the building (specify North, South, West or East)

What is the distance between wells and septic tanks (circle appropriate)

distance)

< 10 meters

>10 meters but < 20 meters

> 20 meters

Is the well(s) entrance constructed with (CONCRETE)/ (NO CONCRETE)

Does the property have pit Latrines (**shalanga**)? (YES)/ (NO)

How often do you clean (sanitize) the bucket and ropes used for drawing water?

Do you believe the bucket and ropes used for drawing water can contaminate wells? (YES)/ (NO)

Do you believe there is a need to monitor your wells (i.e., laboratory and field testing of your well water for contaminants)?

Would you allow your well(s) to be tested if it will prevent sickness?

Do you know of ways in which groundwater in your area can be easily contaminated?

Thanks for answering these questions