

Testing Troubled Waters

Water the Solutions?

Bacterial Detection

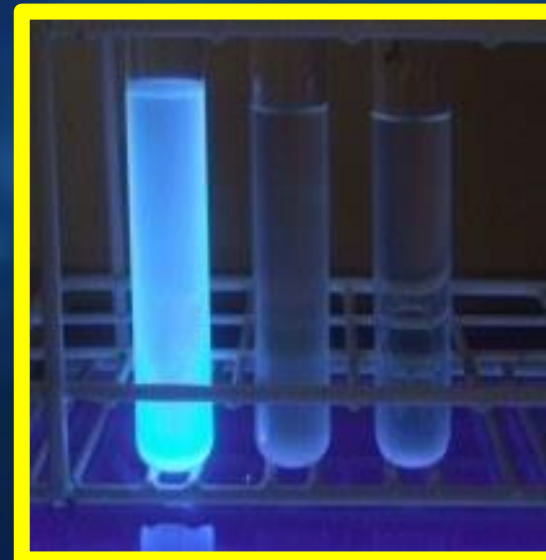
- Visual indication
- No lab processing or equipment
- Detects 10 E. coli in 100 ml

Arsenic Testing

- Color changing bacteria
- 10ppb detection in 20 ml

Community Outreach

- Local leadership/ local planning team
- Educational school lesson plans for children
- Visual posters/jingle encouraging safe water use
- Clean water distribution/filtration demonstration



Bacterial Testing



Visual Indicator



Local Demonstrations

Implementation Plan

- **Estimated Cost:** Testing/PR Cost: \$10,000 Further Testing/Filtration Cost: \$100,000
- **Estimated Time Span:** 6 months
- **Funding:** DrinkWell NGO, Water Initiative, Bangladesh Gov't Funding for As Removal

Month 1

Water Evaluation,
Fundraising, Local
Leadership

Finish Testing,
Start Water
Education

Month 2

Start
Filtration
Education

Month 3

Preliminary
Testing Kits and
Filters

Month 6

Fully
Functioning
Solution

Making a Splash

Implications :

Environmental

- No labs necessary to test water
- Constant purification of clean water sources

Economy/Society

- Cost-efficient testing and filtration
- Reduced illnesses lead to increased productivity and more social stability
- Productivity leads to economic growth, independence from outside funding
- Better education



Rhizofiltration



School Education



Children Value Clean Water



Learning the Importance of Testing