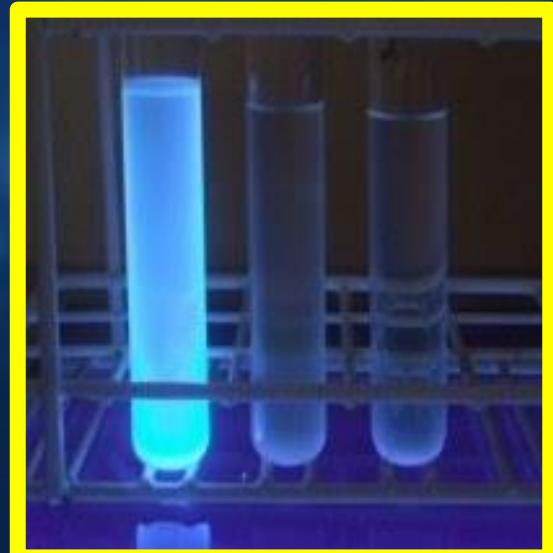


# Testing Troubled Waters

## Water the Solutions?

### Bacterial Detection

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



Bacterial Testing

### Arsenic Testing

- Color changing bacteria
- 10ppb detection in 20 ml



Visual Indicator

### 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



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

### Month 2

### Month 3

### Month 6

Water Evaluation,  
Fundraising, Local  
Leadership

Finish Testing,  
Start Water  
Education

Start  
Filtration  
Education

Preliminary  
Testing Kits and  
Filters

Fully  
Functioning  
Solution

## Making a Splash

### Implications:

#### Environmental

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



Rhizofiltration

#### 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



School Education



Children Value Clean Water



Learning the Importance of Testing