

Attachment 6

Infrastructure Survey

**Central America Water and Sanitation Program Sustainability Evaluation:
 Infrastructure Sanitary Survey (Feb 2012)
 Central America – El Salvador, Guatemala, Honduras, Nicaragua**

Water System Performance/Design

1. Is the system working? (i.e., water coming out of taps or pump?) YES NO

2. If working, how many hours per day is water delivered to taps:

- O 16 - 24 hours O other: _____
 O 8 –16 hours
 O 8 –16 hours
 O less than 8 hours
 O NA (on demand hand pump system)

3. Functionality of components:

a. Catchment structure or well:

All valves function well? (test them)	YES	NO	NA
Cracks or leaks in structures?	YES	NO	NA
Clean inside spring box or behind dam?	YES	NO	NA
Catchment or well structures fenced in?	YES	NO	NA
Are there latrines or other sources of contamination (livestock, cesspools, etc.) within 100 feet of the catchment or well? If so, what and how far away?	YES	NO	NA

For springs and dams:

What is upstream of the catchment structure? (forest, grazing land, houses, roads, etc.)

For wells:

Hand pump function well? (test it)	YES	NO	NA
Well casing extend 18” above ground or normal flood level?	YES	NO	NA
Top of well casing sealed from surface water, rain water, or contaminants?	YES	NO	NA
Is the well sealed at the ground surface? (i.e, can surface water, rain water, or contaminants enter the well at the ground surface?)	YES	NO	NA

b. Conduction line from source to tank:

Leaks in pipes or joints?	YES	NO	NA
Exposed PVC pipe in line?	YES	NO	NA
Clean out valves and air valves working?	YES	NO	NA

c. Storage Tank:

All valves function well?	YES	NO	NA
Cracks or leaks in structure?	YES	NO	NA
Clean inside?	YES	NO	NA
Hatch covers in good shape?	YES	NO	NA
Covers locked?	YES	NO	NA
Tank fenced in?	YES	NO	NA

d. Treatment System:

Is there any treatment system? YES NO NA

 If yes, what type:

- sedimentation tank
- chlorination
- other (specify): _____

Is it working? YES NO

e. Distribution Network:

Are there leaks in distribution network? YES NO NA

Are there leaks in domestic connections? YES NO NA

Does water arrive at all taps? YES NO NA

4. Does the design of the system match the design information given to you by the watsan delegate? YES NO

If no, describe the differences and their significance.

Sanitation Facility Performance/Design

(to be answered by visiting a sample of the latrines constructed in each community)

5. Given the type of latrine constructed, was it built properly? YES NO

Type _____

comments (especially if improperly constructed):

6. Is it being operated properly? YES NO

comments (especially if improperly operated):

7. Does the design match the design information given to you by the watsan delegate? YES NO

If no, describe the differences and their significance.

8. Is the water system new (constructed after Mitch) or re-built (existing water system, repaired after Mitch)? New Re-built