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 YES NO NA

contamination (livestock, cesspools, etc.) within 100 feet of the catchment or well?

If so, what and how far away?

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 YES NO NA

 normal flood level?

Top of well casing sealed from surface YES NO NA

 water, rain water, or contaminants?

Is the well sealed at the ground surface? YES NO NA

 (i.e, can surface water, rain water, or contaminants enter the well at the ground surface?

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:

O sedimentation tank

O chlorination

O 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 N0

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