

Appendix 3: Back-check questionnaire

Water supply, sanitation and hygiene Back-check questionnaire

Oromia, Ethiopia

Back-checker's name:

Date:

Start Time:

Town:

End Time:

Enumeration map:

Household ID:

Introduction

Good morning/afternoon/evening. My name is and I am carrying out research on behalf of COWI, an independent Danish company. Can I please speak to..... (name from Household Survey questionnaire). **IF UNAVAILABLE ARRANGE A TIME TO CALL BACK.**

I understand that you were recently interviewed regarding your household's water supply and sanitation. Can I just ask you a few questions about this interview as part of our quality control check?

Q1. What date was this interview?

.....
999 Don't know/cannot remember 999

Q2. How long did the interview take?

.....
999 Don't know/cannot remember 999

Q3. What is the main source of drinking water for members of your household?

1	Piped water into dwelling	9	Rainwater collection in closed containers	1	9
2	Piped water to yard/plot	10	Rainwater collection in open containers	2	10
3	Public tap/standpipe	11	Bottled water	3	11
4	Tubewell/borehole	12	Small-scale vendor	4	12
5	Protected dug well	13	Tanker-truck	5	13
6	Unprotected dug well	14	Surface water (river dam, lake, pond, stream, canal, irrigation channels)	6	14
7	Protected spring	15	Other (please write in)	7	15
8	Unprotected spring			8	

Q4. What kind of toilet facilities does your household use?

1	Flush to piped sewer system	7	Pit latrine without slab/open pit	1	7
2	Flush to septic tank	8	Bucket	2	8
3	Flush/pour flush to pit	9	Hanging toilet	3	9
4	Flush/pour flush to elsewhere	10	No facilities/bush/field	4	10
5	Composting toilet	11	Other (please write down.....)	5	11
6	VIP/pit latrine with slab			6	

Q5. How many people do you live in your household on a permanent basis, including adults and children?

.....

Q6. Was the interview carried out in a professional manner?

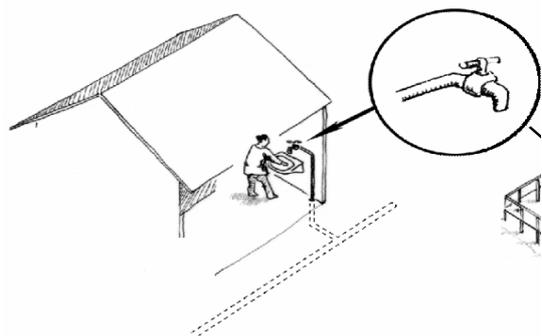
1. Yes 2. No 1 2

THANK YOU FOR YOUR HELP IN THIS RESEARCH

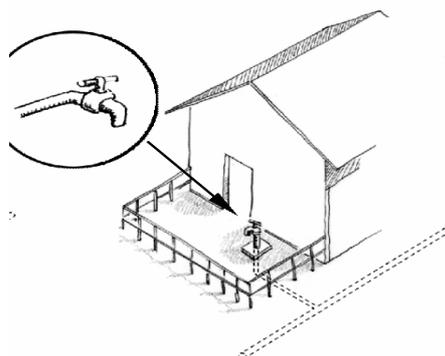
Appendix 4: Pictorials of water supply and sanitation technologies

What is the main source and alternative source of water supply for various activities in your household?

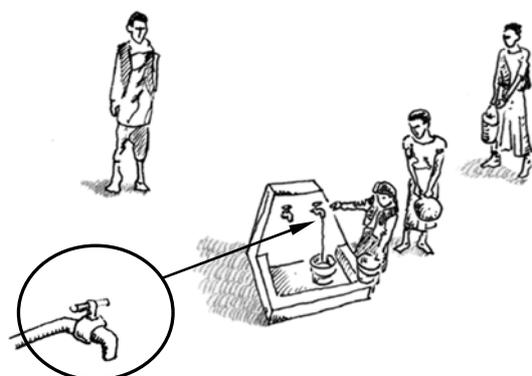
1. Piped water into dwelling



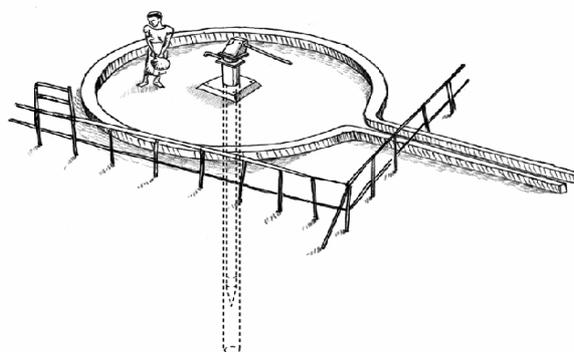
2. Piped water to yard/plot



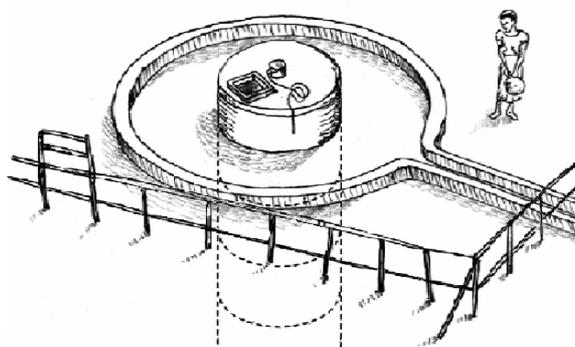
3. Public tap/standpipe



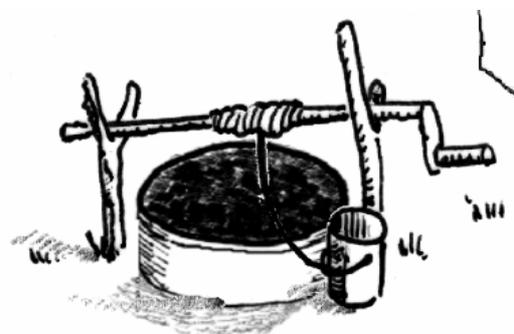
4. Tubewell/borehole



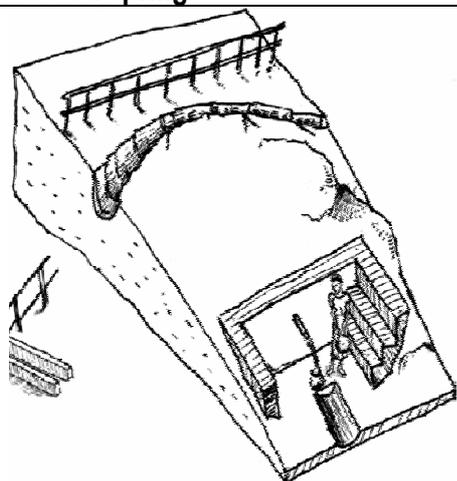
5. Protected dug well



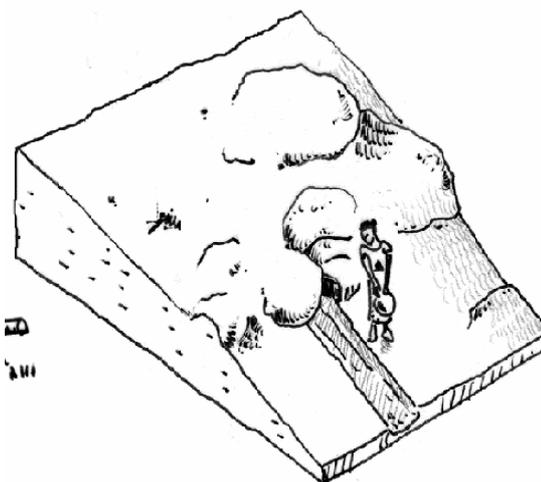
6. Unprotected dug well



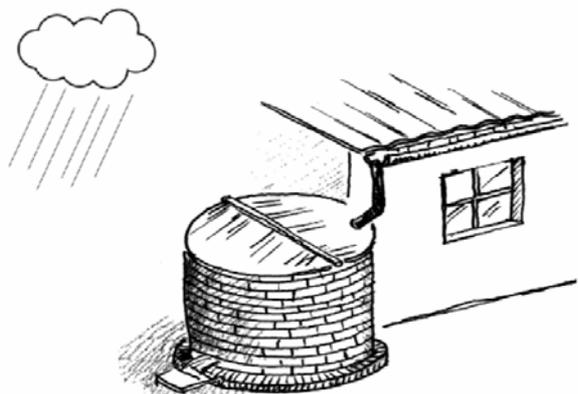
7. Protected spring



8. Unprotected spring



9. Rainwater collection in closed container



10. Rainwater collection in open container

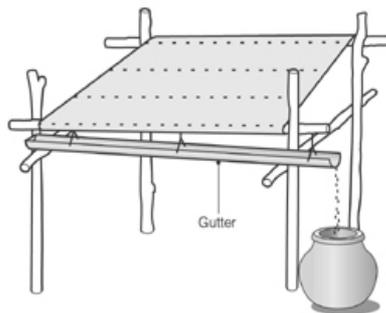


Figure 3.5. Stretched woven plastic sack catchment

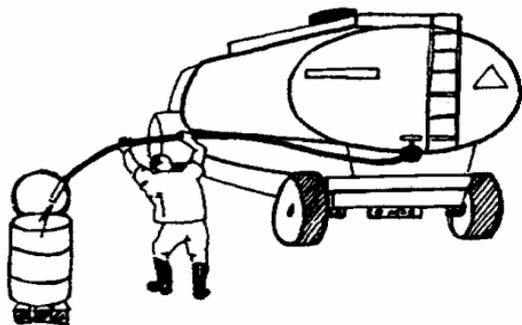
11. Bottled water



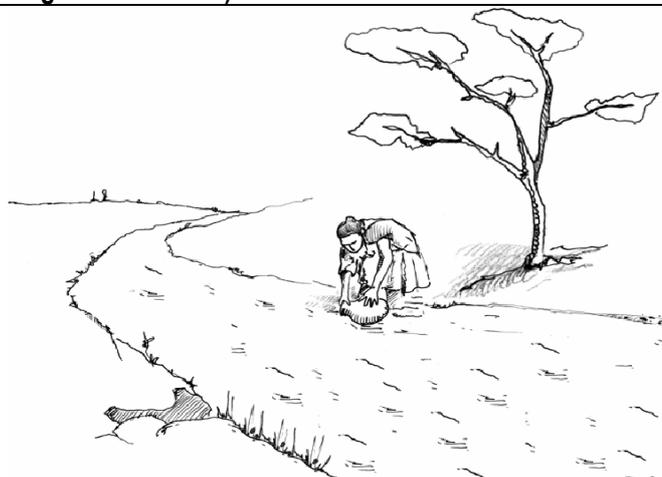
12. Small scale vendor



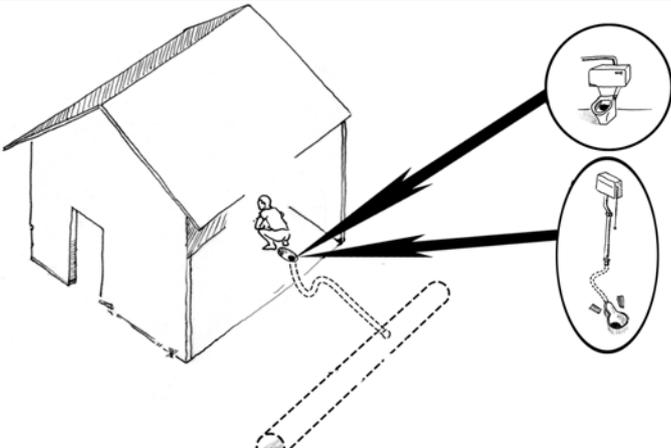
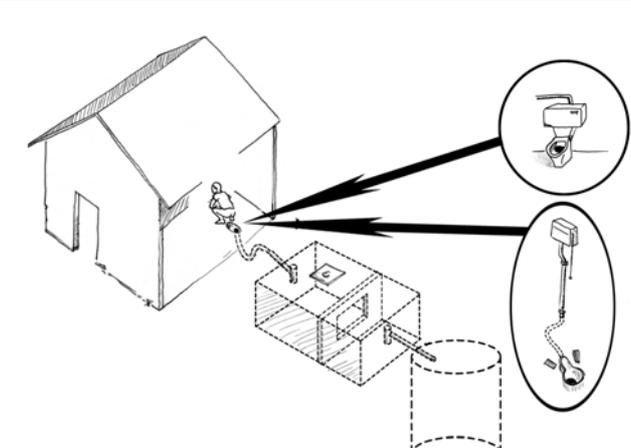
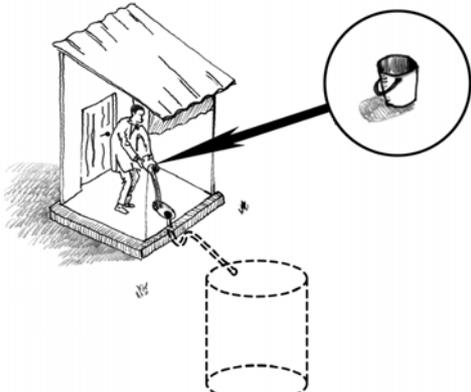
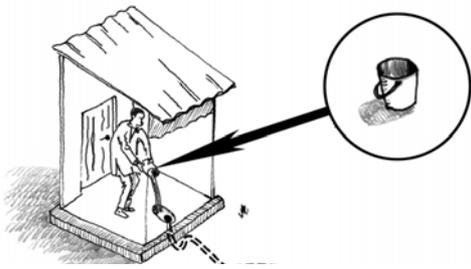
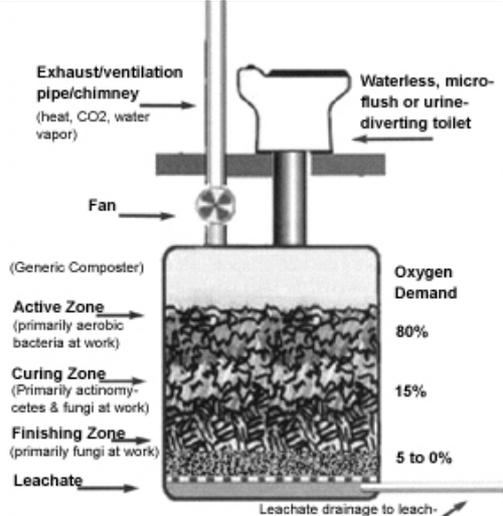
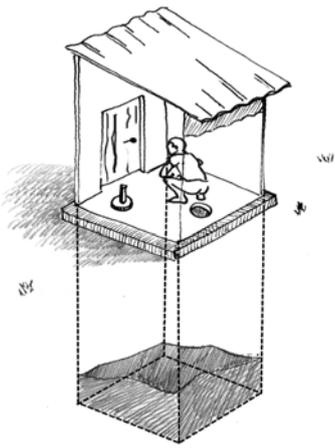
13. Tanker-truck



14. Surface water (river, dam, lake, pond, stream, canal, irrigation channels)



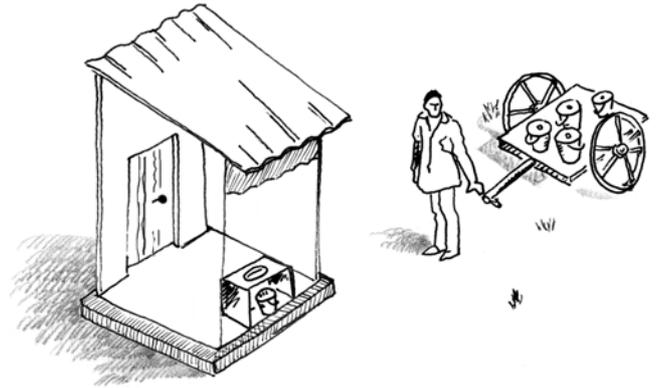
What is the toilet practice of your household/what kind of toilet facilities does your household use?

<p>1. Flush to piped sewer system</p>  <p>A cross-section diagram of a house showing a person using a toilet. A pipe runs from the toilet through the wall and down into the ground, leading to a sewer system. Two circular insets show a toilet and a pipe with a valve.</p>	<p>2. Flush to septic tank</p>  <p>A cross-section diagram of a house showing a person using a toilet. A pipe runs from the toilet through the wall and down into the ground, leading to a rectangular septic tank. A circular inset shows a toilet and a pipe with a valve.</p>
<p>3. Flush/pour flush to pit</p>  <p>A diagram showing a person sitting on a toilet in a small structure. A pipe leads from the toilet to a bucket on the ground. A circular inset shows a bucket.</p>	<p>4. Flush/pour flush to elsewhere</p>  <p>A diagram showing a person sitting on a toilet in a small structure. A pipe leads from the toilet to a bucket on the ground. A circular inset shows a bucket.</p>
<p>5. Composting toilet</p>  <p>A detailed diagram of a composting toilet system. It shows a toilet in a structure with an exhaust/ventilation pipe/chimney on top. A fan is connected to the pipe. Below the toilet is a composting chamber with three zones: Active Zone (80% oxygen demand), Curing Zone (15%), and Finishing Zone (5 to 0%). Leachate is shown draining from the bottom. Labels include: Exhaust/ventilation pipe/chimney (heat, CO2, water vapor), Waterless, micro-flush or urine-diverting toilet, Fan, (Generic Composter), Active Zone (primarily aerobic bacteria at work), Curing Zone (Primarily actinomycetes & fungi at work), Finishing Zone (primarily fungi at work), Leachate, and Leachate drainage to leach-field, disposal or utilization.</p>	<p>6. VIP/pit latrine with slab</p>  <p>A diagram of a VIP/pit latrine. It shows a person sitting on a toilet in a small structure. The toilet is on a raised slab. Below the slab is a pit. A circular inset shows a toilet.</p>

7. Pit latrine without slab/open pit



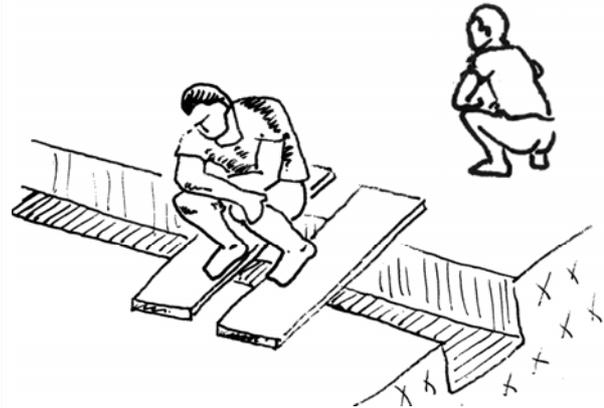
8. Bucket/bucket latrine (where fresh excreta are manually removed)



9. Hanging Toilet



10. No facilities/bush/field etc.



Appendix 5: Interview guide for meetings with local authorities

Appendix 5: Questions for meetings with local authorities

Questions - Municipal or Water Office

Instructions to Team Leader

When entering a new town/area, first visit the municipal or water office to introduce yourself and the survey team. Show the introduction letter from the national authorities to the officials you meet.

1. Town/area: _____
2. Date and time of visit: _____
3. Name of officer(s) met: _____

Water supply

4. What type(s) of water supply is there in the town?
5. If there is a piped supply, about what percent of the town area is covered?
6. Are there public taps?
 - a. If yes, how many?
 - b. How many hours per day are public taps open?
7. At present, does the piped system provide water to consumers 24 hours a day?
 - a. If no, how many hours per day?
8. Have any improvements in the water supply been made recently?
 - a. If yes, what improvements?
 - b. Who paid for these improvements?

Sanitation

9. What type of sanitation facilities are there in the town?
10. Are there public toilets in the town?
 - a. If yes, how many?
 - b. Where are they located? (Mark on map, if available.)
11. Is there piped sewerage anywhere in the town?
 - a. If yes, what area(s)? (Mark on map, if available.)
 - b.

12. Have any improvements been made in the town's sanitation situation lately? Yes No
- a. If yes, what improvements?
 - b. Who paid for these improvements?

Drainage

13. Is there a piped or open channel drainage system in the town?
- a. If yes, what area(s) are covered? (Mark on map, if available.)

Ethnic minority groups and poor areas

14. Do any ethnic minority groups live permanently in the town?
- a. If yes, what groups?
 - b. What language(s) do they speak?
15. Do any ethnic minority groups live in separate neighbourhoods?
- a. If yes, where are these neighbourhoods? (Mark on map, if available)
16. Are there slum/poor areas in the town?
- a. If yes, where are these areas located? (Mark on map, if available)

Thank the official for their cooperation.