

Date: 8.20.2011**Latrine No.: 001****Interview No.: 001****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:24	██████████	Bhasantek Slum Settlement Mirpur Zone Dhaka City Dhaka Division
Interview end:	11:50	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Overcast	Very High	---

Respondent Demographic Information

Gender:	Age:	Head of Household?
Female	45	Sole head of household

Residency Information

Length of Residence in Dhaka:	Length of Residence at Current Location:	Number of Residents in Household:
25 years	25 years	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	3	0

NOTES:

- 1.) Respondent indicated she was unsure of her age, but thinks she is 45.
- 2.) Respondent indicated her husband had died prior to toilet system EcoSan system installation.

TRANSCRIPT

Translator: [REDACTED]

MM: [REDACTED]

MK: [REDACTED]

NOTE: Partial interview transcript. Voice recorder batteries die during interview.

- 1 AJG: So this is Interview 001 (pause) and Latrine 001. So do you enjoy...is the system easy to use?
2 001: She enjoys it, and it is easy to use.
3
4 AJG: And how many people use this system?
5 001: Five members. Her family members.
6
7 AJG: And how many children?
8 001: Two. Children do not use the system.
9 MM: Children cannot use this type of system. They use a potty.
10 AJG: A what? I'm sorry?
11 MM: A squatty...this is a commode system...plastic.
12 AJG: So this is just the three adults [using the system]?
13 MM: Yes.
14
15 AJG: Before this was installed what system...what toilet did you use?
16 001: Before this type of installation [EcoSan] they used this type of ring slab [pointing to the metal slab
17 of a ring slab system near the respondent's home].
18
19 AJG: Where do you find the ash for [the toilet]?
20 001: They are fuel [biomass] burning after cooking. They collect the ashes to use in the toilet.
21 AJG: And is there enough?
22 001: She has to collect more from other neighbors.
23
24 AJG: Is there anything you dislike about the toilet? Anything that is difficult or hard to use?
25 001: She does not feel any feel any difficulties. She likes it.
26
27 AJG: And what was on this land before the toilet was installed?
28 001: Before, the ring slab was installed here; and after they broke up the ring slab, they set this in the
29 same place.
30
31 AJG: How long have you lived here?
32 001: 25 years she is living here.
33 AJG: And the whole time that you have lived in Dhaka, you lived here?
34 001: She migrated from another place, that is the Comilla.
35 AJG: Why did you leave Comilla?
36 001: Because of her husband working here, so that she has to migrate here.
37 AJG: And you mentioned five people living here...you, your husband and...
38 001: Her husband is dead.
39 AJG: Oh, I'm sorry.
40 001: Her son, and daughter in law and her grandchildren.
41
42 AJG: Can you describe the process [of using the toilet] for me? How often is it generally used? Is it
43 generally maintained with this level of cleanliness?
44 001: She first get in and she uses the ground feces vault to remove her feces during the defecation
45 period, and her urine goes into...goes in front line, the urine chamber, and after defecation she
46 goes behind to anal wash. It is not difficult, it is very easy and she is enjoying this.
47

1 AJG: And your neighbors...have you discusses this system with your neighbors at all?
2 001: She discuss with her neighbors and they are very interested to set this type of EcoSan, but they do
3 not have much more land to set this. It is one of the difficulties. But when she discuss about the
4 Eco Sanitation they are very interested to set for their own. But there is no much more land so that
5 this is the difficulties.
6
7 AJG: Does anyone else besides the immediate family ever use the toilet facilities.
8 001: No. No one else can use the facility.
9
10 AJG: Are you active in a CBO organization?
11 001: No she is not a member.
12 AJG: Do you know many of the members of the CBO organizations?
13 001: She knows the member of CBO, some...she knows yeah.
14
15 AJG: Before this was installed was [getting] a better toilet a big priority for you and your family?
16 001: No this is fine for...with here. The previous one was not enough for her.
17 AJG: The previous one was insufficient. What was wrong with the previous toilet (ring slab)?
18 001: The previous one is ring slab, so the difficulties was they have to clean it manually after two
19 months...bi-monthly they have to clean it.
20 AJG: And who did the cleaning?
21 001: Cleaning was sewerage...sewer line cleaning man. And they have to pay for that.
22 AJG: How much did that cost?
23 001: Per ring, 50 taka.
24 AJG: And how many rings?
25 001: 5 rings.
26 MK: One feet...one feet in length [per ring].
27 AJG: And do you know what was done with the waste? They took it away?
28 001: They took it away. She does not know, they disposal area. Sewerage dump area, he knows
29 [indicating male DSK staff], they dump it.

[10:58 : END OF RECORDING; SEE INTERVIEW NOTES FOR REMAINDER OF INTERVIEW]

Date: 20.8.2011**Latrine No.: 002****Interview No.: 002****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:52	██████████	Bhasantek Slum Settlement Mirpur Zone Dhaka City Dhaka Division
Interview end:	12:10	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Sunny	Very High	Fatima

Respondent Demographic Information

Gender:	Age:	Head of Household?
Female	60	Female Head

Residency Information

Length of Residence in Dhaka:	Length of Residence at Current Location:	Number of Residents in Household:
40 years	37 years	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	0

NOTES:

Respondent indicated she had migrated from Bulisha.

Respondent is mother of respondent in interview 003 (██████████); both responses regarding same EcoSan toilet.

NO TRANSCRIPT AVAILABLE

Date: 20.8.2011**Latrine No.: 002****Interview No.: 003****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:11	██████████	Bhasantek Slum Settlement Mirpur Zone Dhaka City Dhaka Division
Interview end:	12:25	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Overcast	Very High	Abdul-Rasheed

Respondent Demographic Information

Gender:	Age:	Head of Household?
Male	30	No

Residency Information

Length of Residence in Dhaka:	Length of Residence at Current Location:	Number of Residents in Household:
30 years	30 years	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	0

NOTES:

Son of Respondent 002

NO TRANSCRIPT AVAILABLE

Date: 8/24/2011

Latrine No.: 003

Interview No.: 004

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	9:07	██████████	Behakoyr Village
Interview end:	9:37	██████████	Sonargoan Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Cloudy	Very Humid	Abul Hossain

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	29	No

Residency Information

Length of Residence in Behakoyr:	Length of Residence at Current Location:	Number of Residents in Household:
29 years	29 years	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	3	20-22	7

NOTES:

Father of Respondent 005

Respondent indicated his elder brother is the head of household

TRANSCRIPT

Translator: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** What is your name?
2 **004:** Abul Hossain.
3
4 **AJG:** How long have you lived here?
5 **004:** His grandfather had settled here.
6
7 **AJG:** Who do you live with here now? Are you married?
8 **004:** [Nods in the affirmative] Three boys and one girl.
9
10 **AJG:** Who uses this toilet?
11 **004:** Most of the people...14 people.
12 **AJG:** All members of your family?
13 **004:** The four is another, out of another. The four people is working there [indicating the four
14 individuals working looms in the weaving factory].
15 **AJG:** So there are 10 members of the family?
16 **004:** Yes.
17 **AJG:** How many children are using the toilet?
18 **004:** This child is not included in the fourteen.
19 **AJG:** So 15?
20 **004:** 14 adults, and four children.
21
22 [Note: A total of 18 users are identified by Mr. Abul Hossain; after conferring with his elder
23 brother, the number of users was determined to be between 20 and 22.]
24
25 **AJG:** What has your experience with the toilet been?
26 **004:** The first time it was not properly used, and now they feel good.
27 **AJG:** So, the first time the chamber was filled, it was not properly used?
28 **ZL:** Yeah. This was the first of them, the first of us [DSK] and first of this...
29 **AJG:** But the second chamber has been used properly?
30 **004:** Yeah. The second chamber has been used properly. Sometimes guest people make mistake.
31
32 **AJG:** What were the problems initially? What problems were people having using the toilet the first
33 time?
34 **004:** The first time, the people are not experienced about this toilet, and sometimes they mistake by
35 using water. This is the main problem. Not uses ash properly.
36 **AJG:** Did urine ever enter the feces chamber, or just water?
37 **004:** Yes, urine entered the feces chamber. This is also a mistake.
38 **AJG:** How long did it take you to feel comfortable using this toilet?
39 **004:** How long?
40 **AJG:** Yeah, how long? How much time?
41 **004:** Umm...six months.
42 **AJG:** But when did you begin to feel comfortable using it? When did it begin to feel normal using the
43 toilet?
44 **004:** The same time?
45 **AJG:** But how long until you began to feel comfortable? Moving from the urination drain, to the feces
46 vault, to the anal wash station?
47 **004:** Six months.
48 **AJG:** OK.
49
50 **AJG:** Who is responsible for maintaining the toilet?
51 **004:** He is the responsible member.

1 **AJG:** And do you do the cleaning?
2 **004:** Yeah. Only he is responsible. And he is the community [inaudible].
3 **AJG:** Excuse me?
4 **004:** [inaudible]
5 **AJG:** Oh. He is the community organizer?
6 **004:** Yeah.
7
8 **AJG:** Who made the decision to have this toilet installed here?
9 **004:** He also.
10 **AJG:** Did you discuss it with the other people who use it?
11 **004:** Yeah. They discuss it individually. All the people.
12 **AJG:** Did everyone agree that it was a good idea to install the toilet?
13 **004:** Yeah. They agree. First time.
14
15 **AJG:** Have their been any other problems? I see that the evaporation bed is full of water. Are there any
16 other problems besides that?
17 **004:** This is the main problem. And sometimes the people from the outside, the new people, they are
18 mistaken. [Pause as woman approaches interview.] This is the wife of Mr. Abul Hossain. Habi
19 she is called. His children in school.
20 **AJG:** In this school here [indicating school which is audible on recording]?
21 **004:** Yeah, this school here.
22 **AJG:** [laughing] Oh. That's nice that you can here them.
23 **AJG:** Do you think that this evaporation bed is something you can fix yourself?
24 **004:** He inform us, but its development [is being arranged].
25 **AJG:** But will it be fixed...by DSK?
26 **ZL:** Yeah. DSK. We are also responsible for some modification of this type of problem, because this
27 was the first time [first DSK installation].
28
29 **AJG:** Do you have difficulty getting the ash?
30 **004:** Now this is very easy for them. They are burning the dry leaves and wood. And when...if the gas
31 connected here, it will be difficult for them.
32 **AJG:** Will their be gas connected here?
33 **004:** No...no...there is no gas.
34 **AJG:** But will there be, in the future?
35 **004:** It is a half-kilo.
36 **AJG:** It is a half-kilometer away? And it's coming this way?
37 **004:** [Nods]
38
39 **AJG:** What about the water? You collect water for the anal washing here?
40 **004:** Yeah.
41 **AJG:** And is this also the drinking water?
42 **004:** Yeah. This is the all purpose water. Very deep.
43 **AJG:** So it's a deep tube well?
44 **004:** Deep tube well...yes, yes.
45 **AJG:** So no arsenic?
46 **004:** No arsenic. This is for bathing, drinking, every purpose...washing.
47
48 **AJG:** So with almost 20 people using the toilet, how much ash do you need every day?
49 **004:** Half-bucket everyday.
50 **AJG:** And is that right, that almost 20 people are using the toilet?
51 **004:** Yeah.
52
53 **AJG:** You mentioned that the first time people use the toilet they have difficulty. Who else is using the
54 toilet?
55 **004:** People sometimes come here to see this work [weaving]. And besides this a shop...small shop
56 here...

1 **AJG:** There is a small shop here [indicating along the street adjacent to the home]?

2 **004:** Small shop, the people is buy biscuit or [inaudible]...they are use this toilet.

3 **AJG:** And they ask you if they can use the toilet.

4 **004:** [laughing] Some people ask...some people just go through. They cannot get time to ask.

5 **AJG:** If people ask you, do you allow them to use the toilet?

6 **004:** Some people [he feels good about], some people not good.

7 **AJG:** And if someone asks you will you give them some small training on how to use the toilet?

8 **004:** Yes. The new people who come and use this toilet, he will describe ho to use [inaudible].

9 **AJG:** Do you think these people use this toilet correctly?

10 **004:** Somebody use correctly.

11

12 **AJG:** The urine collection. You mentioned that some people come and collect it and use it on their field?

13 Who is using the urine now?

14 **004:** The first time they are fall [poured] into this drain. Now some people are collecting for gardening.

15 And they are use this type of vegetable s...guava tree this is...

16 **AJG:** And you use that here...the urine?

17 **004:** [nods yes]

18 **AJG:** How much time to fill up the urine vessel?

19 **004:** Fourteen days. Maximum. 25-liter capacity. Now this [inaudible]...no food is [inaudible]. This

20 urine is...mixing water.

21 **AJG:** Its mixed water?

22 **004:** Yeah. Half-half...one is to three. Three is water, one is urine.

23 **AJG:** Does anyone else ever use the urine, or is it just you and your family?

24 **004:** Somebody collect for gardening.

25 **AJG:** Someone from outside of this area?

26 **004:** Yeah.

27

28 **AJG:** What other vegetables are grown?

29 **004:** Some people collect [the urine] and sometimes not collect. Not everybody. The people, at first use

30 very confused. Now they use properly.

31 **AJG:** How do you feel about using urine to fertilize the garden?

32 **004:** They mix the water in bucket...in other bucket, and they use this.

33 **AJG:** What are your attitudes towards using the urine?

34 **004:** First time, they don't use. Now they use comfortably.

35 **AJG:** Has he noticed a difference in the fruit from his tree?

36 **004:** The first times, the people cannot take food from this trees. Now, it is [taken] easily.

37 **AJG:** It produces more fruit now, the tree?

38 **004:** Yes. Produce more fruit.

39 **AJG:** You can notice more fruit?

40 **004:** Yeah.

41 **AJG:** This is papaya? Or guava?

42 **004:** Guava, lemon, the vegetable, this is mango trees.

43

44 **AJG:** Where did you urinate and defecate before this toilet?

45 **004:** He want to take...[passerby interrupts interview; DSK staff member speaks with him]

46 **ZL:** After seeing you and watching you he guess that more EcoSan toilet is constructed here. He will

47 provide [instruction for this man]...he is community organizer.

48 **AJG:** So he will not use the toilet?

49 **004:** No...he just...no...

50

51 **AJG:** Did you have a toilet before this?

52 **004:** The first one.

53 **AJG:** Was there a ring slab, or a pit latrine.

54 **004:** There is no toilet...ring slab. The first time there was a ring toilet, not it is not...after

55 construction, it is [blocked].

56 **ZL:** This is not hygienic. The first time they use it, but now we seal.

1 **AJG:** Is this toilet better than the ring slab?
2 **004:** This one is better.
3 **AJG:** Why?
4 **004:** The compost, urine...and environment.
5 **AJG:** And the environment as well?
6 **004:** Yes.
7
8 **AJG:** What are the major challenges using this toilet? Is it difficult for a man...?
9 **ZL:** This discussion is difficult for this kind of...
10 **004:** First time they are using...
11 **AJG:** Are their any elderly people that use the toilet?
12 **004:** The father of him...He also use this toilet.
13 **AJG:** And he doesn't have difficulty?
14 **004:** No.
15 **AJG:** And is urination more difficult as a man?
16 **004:** No this is easy. Actually this is easy...now it is easy for them...
17 **AJG:** The ring slab was easy, but now this is easy for them?
18 **004:** There is not movement [using the ring slab].
19
20 **AJG:** If you just have to urinate, not defecate, do you still use the EcoSan toilet?
21 **004:** Sorry?
22 **AJG:** If you only have to urinate, do you use the EcoSan?
23 **004:** After they install this, they are not using [the ring slab] [Note: question not understood by
24 translator]. The first time, both toilet, this one and this, both toilet is working [inaudible]...after
25 one month, stop receives [ring slab decommissioned].
26 **AJG:** And if you just have to urinate, not defecate, do you still use this toilet?
27 **004:** Yeah.
28 **AJG:** So if you have to urinate, you will do this here, not in the bushes?
29 **004:** Yes, the people only defecate here.
30 **AJG:** But what about urinate.
31 **004:** Same.
32
33 **AJG:** How often do you speak with someone from DSK?
34 **004:** The DSK people first time, the search this area, about who will they give the toilet. The first time
35 they are implementing a toilet and they inform this kind of toilet. Some people, one of them him,
36 he is interested to see the toilet. DSK visit here from Narayangong, another project, another
37 office. After visit...after visit there, they interested.
38 **AJG:** Do you speak with DSK staff often now...every week...or?
39 **ZL:** Yeah...I also visited with them.
40 **004:** And, continuing, does he speak with DSK every day, or every week or every month?
41 **AJG:** Four times every month. Weekly.
42
43 **AJG:** Who owns this land?
44 **004:** His father. Nur Salam.
45 **AJG:** He owns all of this? All of these homes?
46 **004:** Yeah.
47 **AJG:** Are they rented?
48 **004:** No, no, no. There are three brothers. One brother's this, and this and this [indicating the three
49 homes]. Originally they were all the father. After they...his father. Bangladesh law.
50
51 **AJG:** Before this toilet was installed, what were the major priorities for the family?
52 **004:** Originally it was designed for six people. Now they are using 14-15 people. It is also a dangerous
53 of this...and it as big size, first time. Two chamber, for these people.
54
55 **AJG:** Have other people in the community asked you about the toilet, or expressed interest in the toilet?
56 **004:** They are interested. Some interested.

1 **AJG:** And do you speak with them about the fertilizer?
2 **004:** Fertilizer, not in use fertilizer. Just a few weeks and they are waiting...not yet dry.
3 **AJG:** Are you comfortable using the [fecal] compost on your plants?
4 **004:** No problem.
5 **ZL:** I think it will be a problem first time, but it is not yet dry.
6
7 **AJG:** Is there anything else you would like to tell me about the toilet, or your experience with the toilet?
8 **004:** Nothing to say left.

[31:16 : END OF INTERVIEW]

Date: 8/24/2011**Latrine No.: 003****Interview No.: 005****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	9:44	██████████	Pobonkul Village
Interview end:	10:02	██████████	Sonargoan Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Cloudy	Very Humid	---

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	15	No

Residency Information

Length of Residence in Behakoyr:	Length of Residence at Current Location:	Number of Residents in Household:
15 years	15 years	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	3	20-22	7

NOTES:

Daughter of Abul Hossain (Respondent 004)
Respondent in Grade 8

TRANSCRIPT

Translator: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** How old are you?
2 **005:** 15 years old.
3 **AJG:** Where did you learn English? Did you learn to speak English in school?
4 **005:** Madrasah.
5 **ZL:** Madrasah...its like a primary school.
6 **AJG:** Did you attend school here? [indicating school directly adjacent to the respondent's home]
7 **ZL:** Sorry...this is the primary school. And here is the Madrasah [indicating down the road].
8 **005:** The primary level English is learning there. The Arabic language [inaudible] is preferred there.
9
10 **AJG:** Do you mind if I ask some questions about your toilet?
11 **005:** Yes.
12
13 **AJG:** Are you comfortable using the toilet? Is it easy to use?
14 **005:** She is comfortable, but some are not hat comfortable. Not use properly.
15 **AJG:** How long have you been using the toilet?
16 **005:** One years.
17 **AJG:** So right when it was installed, you began to use it. How many times each day are you using it?
18 **005:** Everyday, each person are using it one time minimum.
19 **ZL:** Naturally [laughing].
20
21 **AJG:** Is the toilet always clean, like it is now?
22 **005:** It is always clean.
23 **AJG:** Do you ever clean the toilet?
24 **005:** No. Her father always clean.
25
26 **AJG:** He is very nice. Is there always ash available to use in the toilet?
27 **005:** They always use ash.
28
29 **AJG:** Do you use the toilet correctly every time?
30 **005:** She has never mistake. Always properly use.
31
32 **AJG:** Did your father discuss the toilet with you before it was built?
33 **005:** She learned from her father and also the training officer from DSK.
34
35 **AJG:** Have you used another type of toilet here?
36 **005:** They don't want to use.
37 **AJG:** But had she used the ring slab before the EcoSan toilet was installed?
38 **005:** They feel better, this is[EcoSan] than that [ring slab].
39 **AJG:** You like this more?
40 **005:** Yeah.
41 **AJG:** Why?
42 **005:** This is different from others, and she think is very nice. She cannot explain.
43
44 **AJG:** Did the ring slab give you privacy?
45 **ZL:** Yeah. There also privacy. Tin shed.
46 **AJG:** There was a tin shed [around the ring slab latrine]?
47 **ZL:** Yeah. But sometime water enter, when [the rain is] strong.
48 **AJG:** Is this [EcoSan] more private?
49 **005:** This is more privacy.
50

1 **AJG:** Is there anything that you have difficulty with, or anything that anyone has told you is difficult
2 about the toilet?
3 **005:** All people tell her that the toilet is very fine.
4
5 **AJG:** Have you ever discussed the toilet with your classmates.
6 **005:** She has discussed with her friends and classmates. And she invited [them] to see it.
7 **AJG:** You invited them to see it? Where they impressed?
8 **005:** They all are feeling better. If anybody not like, they don't express.
9 **AJG:** Are you proud of this toilet?
10 **005:** Yes. Sometimes the mistakes from guest. She train [them] up.
11 **AJG:** Do you ever offer training to guests before they use the toilet?
12 **005:** The female guests, she provide [information] how to use. And male guests, the father.
13 **AJG:** Do you think that after you tell people how to use it properly, they then use it correctly?
14 **005:** She thinks, but she does not see.
15 **AJG:** [laughing] yeah, of course.
16 **005:** She thinks they are using correctly. Sometimes they mistake use water; if she feel...they put more
17 ash in.
18 **AJG:** So if water is used [in the feces chamber], you put more ash in?
19 **005:** Yeah.
20
21 **AJG:** Is there ever an odor? Does it ever smell bad?
22 **005:** They try to clean all the time. That's why the odor never comes.
23
24 **AJG:** Do you think it is strange to use the urine on the plants?
25 **005:** [Nods yes]
26 **ZL:** Sometimes the Muslim people cannot understand easily, get easily, the urine used this tree, and
27 how you get this tree.
28 **005:** After using, they will inform this...not a problem to eat.
29 **AJG:** Do you ever help use the fertilizer on the plants?
30 **005:** No...the father.
31 **AJG:** Do you help with any of the gardening?
32 **005:** She help when gardening, the father does that.
33 **AJG:** Again he is a nice man for doing that. Do you have any jobs or chores that you re supposed to do
34 for the toilet?
35 **005:** She helps...She helps two times...when it's constructed, she provides water for workers. Now
36 she provide water for clean for her father?
37 **AJG:** Water from here [indicating the deep tube well adjacent to the toilet]?
38 **005:** Yeah.
39
40 **AJG:** How much water is needed for anal cleaning everyday?
41 **005:** The Bangla name in Kolshi...kolshi water pot
42 **ZL:** It is 4-5 liters. This is kolshi [indicating a kolshi pot]
43 **AJG:** Where is the [anal cleaning] water kept?
44 **005:** The water bring, this kolshi, and this...
45 **AJG:** And there is a pot inside the toilet?
46 **005:** This is the sanitation pot (indicating a 1 liter pitcher on the entrance platform]. This little bottle.
47 **AJG:** Is that where the sanitation pot is always kept?
48 **005:** Yeah.
49 **AJG:** Ok...outside of the toilet. And where do you wash your hands?
50 **005:** This side [indicating adjacent to the toilet].
51 **AJG:** Do you use soap?
52 **005:** Sometime use ash, but maximum times soap.
53 **AJG:** Who taught you how to wash her hands after using the toilet?
54 **005:** She learned in school...and in books.
55 **ZL:** Also our hygiene officer guide.
56

1 **AJG:** Is there anything you would want to change about the toilet?
2 **005:** She face one problem. Sitting here, then after [defecation] move here. [Note: the system is
3 designed with only one anal washing pan for the two feces chambers; this involves lateral
4 movement for the anal wash, which is reportedly more difficult than vertical movement]
5 **AJG:** For the hygiene...
6 **ZL:** We have already solved this problem for our next project.
7
8 **AJG:** Do you always wear shoes inside of the toilet?
9 **005:** Always use shoe.
10
11 **AJG:** Is there anything else you would like to tell me about the toilet?
12 **005:** She provides thanks for your visit, and also asks where you come from.
13 **AJG:** I come from the United States, but now I live in Germany. And also thank you for speaking with
14 me.
15
16 [17:21 : Pause to collect demographic information]
17
18 **AJG:** Do you ever help the younger children use the toilet?
19 **005:** Yes, also.
20 **AJG:** Do they ever have problems using the toilet?
21 **005:** The first time, there was problem.
22 **AJG:** Thank you so much. Could I have a picture of you and your friends in front of the toilet?

[19:57 : END OF INTERVIEW]

Date: 8/24/2011**Latrine No.: ---****Interview No.: 006****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:41	██████████	Rupshikalipa Village Sonargoan Upzilla Narayangonj District Dhaka Division
Interview end:	11:48	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Heavy Rain	Very Humid	Haji Abul Hossain

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	60	Y

Residency Information

Length of Residence in Rupshikalipa:	Length of Residence at Current Location:	Number of Residents in Household:
60 years	60 years	10

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	Flush Toilet	1	10	5

NOTES:

Interview conducted in a jupri construction hardware store while waiting out heavy rains

Interview conducted to assess the respondents opinion of the use of excreta based fertilizers in agriculture

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

Note: Interview conducted in a small hardware store while waiting for heavy rains to abate; primary objective of interview was to assess the respondent's attitudes towards the use of excreta based fertilizer.

- 1 **AJG:** What is your name?
2 **006:** Haji Abul Hossain.
3 **ZL:** [laughing] The same name (as respondent 004).
4
5 **AJG:** How long have you lived here?
6 **006:** My grandfather...200 years.
7 **AJG:** You family has been here for 200 years...wow. Do you have a toilet at your house?
8 **006:** Yes...Toilet.
9 **AJG:** What sort of toilet?
10 **006:** All...communal toilet...building have.
11 **AJG:** Is it a toilet that flushes with water?
12 **006:** Already go in river. All going in river under ground.
13 **AJG:** So it is flushed into the river?
14 **ZL:** There is no drainage system in this area.
15 **AJG:** So it is flushed directly into the river.
16 **006:** [inaudible]...Because in Bangladesh [inaudible].
17
18 **AJG:** Have you ever heard of Ecological Sanitation?
19 **006:** [shakes head 'no']
20 **AJG:** What would you think of using human fertilizer...using the human waste for crops?
21 **006:** Normal. Easy, easy. [laughing]
22 **AJG:** Would you be ok with using human waste on agriculture?
23 **006:** Clean...have a brush.
24 **AJG:** Ok...so you clean the toilet with a brush?
25 **006:** Yeah...and medicine.
26 **ZL:** Chlorine bleach.
27 **006:** Every day.
28 **AJG:** Ziaul, I want to try and figure out what he thinks about using EcoSan products on fields.
29 **006:** Ahh...of course. I am also a student. I finish.
30 **AJG:** So you are ok with it?
31 **006:** Yes. fertilizer...Fertilizer. [laughing].
32 **AJG:** Good. So this is something you have heard of. Do you know anyone who does this?
33 **006:** Yes, of course.
34 **ZL:** Already cow dung uses everywhere.
35 **AJG:** Yeah. Ok.
36 **ZL:** I told him...no need to buy chemical fertilizer if we are produce human waste fertilizer for our
37 country.
38 **006:** The fertilizer is better from urea. Yes...Big production.
39 **ZL:** Chemical fertilizer is harmful to the soil. The most fertile soil...
40
41 **AJG:** Do you grow any vegetables yourself?
42 **006:** [nods yes]
43 **AJG:** Do you use any fertilizer?
44 **006:** Yes.
45 **AJG:** Where do you get your fertilizer?
46 **006:** I use this fertilizer, and good product.
47 **AJG:** Not chemical fertilizer?
48 **006:** No, never.

1
2 **ZL:** He already has spent his life, about six year Malaysia and Saudi Arabia.
3 **AJG:** So you have been all over.
4 **006:** Yeah. Gather knowledge...this is my hobby.
5 **AJG:** Why Malaysia.
6 **006:** For visit. My son is there.
7 **AJG:** Where did you learn your English?
8 **006:** College. Yes. Yes.
9 **AJG:** It is very good. I am very pleased to speak with you.
10 **006:** When you stat in my village, my home.

[7:33 : END OF INTERVIEW]

Date: 8/24/2011**Latrine No.: 004****Interview No.: 007****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:28	██████████	Pobonkul Village
Interview end:	13:15	██████████	Rupgong Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Light Rain	Very Humid	Babul

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	40	Y

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
40 years	20 years	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	7	1

NOTES:

Husband of Respondent 008

Despite the village's peri-urban character, the respondent's home is almost rural, surrounded on three sides by agricultural fields.

Respondent owned a small weaving factory, employing a number of local residents.

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** Interview 007. How long have you lived here?
2 **007:** He lived in the first house...he built a house first in this village. Agriculture. About 20 or 22.
3 **AJG:** 22 years ago?
4 **007:** Yeah.
5
6 **AJG:** When was this toilet built?
7 **007:** Five months [ago].
8
9 **AJG:** Who uses the toilet?
10 **007:** He, his mother and his family. There are five brothers, and he built this.
11 **ZL:** With DSK.
12 **AJG:** Did your brothers help?
13 **007:** No. They all know about this. He is the younger...no the elder one.
14 **AJG:** Do your brother live here?
15 **007:** One brother is living there...one brother is living this house...and one is [indicating the three
16 houses in the residential complex, including Babul's home].
17 **AJG:** So three of the brothers are living here. But they do not use the toilet?
18 **007:** No. They do not use toilet. Only he, his mother, and his family.
19 **ZL:** Because it is designed for six
20 **AJG:** How many people in your family?
21 **007:** Seven. His mother, his sister, he, his wife, and [inaudible]...
22 **AJG:** So three children use the toilet?
23 **007:** One children, and two is worker [the children of workers on respondent's loom].
24 **AJG:** How many children do you have?
25 **007:** Four child...two is already dead...health problem, already dead. And one children is already
26 married. And after married, they go to his wife house [Babul's daughter in law].
27
28 **AJG:** How do you enjoy using this toilet?
29 **007:** They feel better, but one problem is that they not collect the ash. Sometime this house, and
30 sometime this house they collect. But they are using fuel as wood. Wood burning not [enough]
31 ashes produce.
32 **AJG:** So they do not have enough ash?
33 **007:** Not enough. This is the main problem.
34 **AJG:** And you normally burn wood here?
35 **007:** Yeah.
36 **AJG:** Where else do you get ash?
37 **007:** The other houses they collect the ashes. It is free. Sometimes he buy ashes.
38 **AJG:** You have to buy them sometimes. From who?
39 **007:** He just bear the cost of transporting.
40 **AJG:** And how much does that cost?
41 **007:** About 400 BDT.
42 **AJG:** For how much ash?
43 **007:** You see the drum inside there [indicating ash bucket in latrine]. One drum 20 BDT, sometimes 25
44 BDT.
45 **AJG:** Do you have to buy ash every month?
46 **007:** Every month he collect ashes. Somebody not give free. Somebody give free and somebody
47 demand some money.
48
49 **AJG:** Are there any problems besides the ash?
50 **007:** Another problem...he...maybe water has come from the drain pipe [water entering feces chamber
51 from vent pipe]. He not yet inform the DSK.

1 **AJG:** Now he has [laughing]. That should be an easy fix.
2 **ZL:** It will [be] resolved.
3 **AJG:** Does the inside [super structure interior] stay dry when it rains?
4 **007:** Yeah. Inside.
5
6 **AJG:** Who made the decision to install this toilet?
7 **007:** Very interesting. Mr. Shalom[?], he is the brother in law of him. Yeah...Mr. Shalom
8 **AJG:** From toilet DSK 001 {Latrine 003}?
9 **007:** Yeah, yeah, yeah. His brother, Mr. Shah Alom. His brother in law, for him. His father in
10 law...get information from him.
11 **AJG:** Ok. So he told you about the toilet.
12 **007:** Yeah. Very interesting.
13 **AJG:** Did you discuss the toilet with your wife before you installed it here?
14 **007:** He already discussed it with wife.
15 **AJG:** And you both agreed to install it?
16 **007:** Both are agreed.
17
18 **AJG:** One moment. Can you describe to me how you use the toilet?
19 **007:** After defecation, he put the ashes, and cover. And he move the...after cover, he down...moves
20 back.
21 **AJG:** And then washes?
22 **007:** Yes...then washes.
23 **ZL:** This is the different...move from right side to left side...this is just move back.
24 **AJG:** Yeah, this is a better design. Is there anyone ion the family that has difficulty using the toilet?
25 **007:** The whole family, people is ok. But sometimes when guest, they have some difficulty. He or his
26 wife describe guest.
27 **AJG:** Are the guest happy to use it, or do they not like it?
28 **007:** First time the guest see it from outside, it is very good. And when they use the using procedure, it
29 is quite difficulty. Sometime people want where he get this toilet, because they want to get.
30 **AJG:** Do you think that the guests, when they use it, they use it properly?
31 **007:** [laughing] He think they use properly, and after he enter...close the door, he check.
32 **AJG:** Good [laughing].
33 **ZL:** This is very good monitoring system.
34 **007:** Otherwise with the water, much problem this will create.
35 **AJG:** So you think the toilet is used properly, every time?
36 **007:** He think properly used...he think used properly. Nobody other people, outside people cannot
37 chance to get inside. At night, he lock.
38 **AJG:** Oh, you lock at night?
39 **007:** Because of safety. Otherwise, people will come and water [will get in the feces chamber].
40 **AJG:** You seem to be very careful.
41 **007:** This system, he ask me, if the contaminate this system, it cannot do its purpose. That's why he
42 care always.
43
44 **AJG:** Why did you decide to install the system? What was the biggest reason?
45 **007:** After 14 days, the urine mixing with water, he use this garden.
46 **AJG:** Can you notice a difference using this fertilizer?
47 **007:** He not use fertilizer, just the urine.
48 **AJG:** And can you notice a difference in your crops.
49 **007:** He think more better, better than before. Cauliflower...
50 **AJG:** Who eats these vegetables? Do you sell them, or just for the family?
51 **007:** They serve this purpose, and he sell.
52 **AJG:** Where do you sell them?
53 **007:** He will getting the preparation...and winter is coming. Lots of vegetables grow..
54 **AJG:** Lots grow in the winter...What does he do to prepare the field for the winter?
55 **007:** Different kind of vegetable. Luashak...the red color vegetable [lists other vegetable].
56 Cauliflower, tomato.

1 **AJG:** And all right here?
2 **007:** [Indicating open space between houses]
3 **AJG:** So all of this interior space. And back here, is this your rice?
4 **007:** This land, one time was theirs, his father sell.
5 **AJG:** Ok. It was sold.
6 **007:** Water...smelling.
7 **AJG:** The water here is smelling?
8 **007:** No sometimes, the [feces chamber] is odor.
9 **AJG:** Oh. So that's why you think water is coming in [from the vent].
10 **ZL:** I will handle, ok?
11
12 **AJG:** What will you do with the [feces] fertilizer when it is ready to be used?
13 **007:** It is dirty to use this fertilizer.
14 **AJG:** How long until it will be ready to use?
15 **007:** After made compost, he wants use from here, and if some remaining, he ask us.
16 **AJG:** If there is some remaining, DSK may take it?
17 **ZL:** He just ask me, what to do with remaining.
18 **AJG:** When will the compost be ready, do you know?
19 **007:** Six months.
20 **AJG:** Six months from now?
21 **007:** Three months already passed.
22 **AJG:** Will you know when the compost is ready, based on looking at it?
23 **ZL:** He is a little difficult for understanding. Three month already passes. After three months, he
24 cover the chamber, then day of covered, after six months he will use. [Note: composting has not
25 begun on the first feces chamber]
26 **AJG:** Will DSK decide when the fertilizer is ready, or will he make the decision?
27 **ZL:** The first time, we ask them, if you not use, by not informing us. We will visit, the fertilizer, then
28 he will use, for the first or second time.
29
30 **AJG:** Do any children use the toilet?
31 **007:** His child...he is reading with teacher. [Calling for his child, Malik]
32 **AJG:** So one child does use it.
33 **007:** He is eleven years old, now he properly use this toilet. If newcomer come, he inform them about
34 this toilet.
35 **AJG:** He is the trainer?
36 **007:** Yeah.
37 **AJG:** When did Malik begin to use the toilet Right when it was built?
38 **007:** The first month, Malik cannot use this toilet, he cannot got here. After one month he learn
39 properly, then he use.
40
41 **AJG:** How long did it take you to become comfortable using the toilet?
42 **007:** He told me, after completing some of the toilet in this area, they are confusion about using this
43 toilet. Nobody can go, there is no limitation. Now he can lock the door
44 **AJG:** What was the toilet previous to this?
45 **007:** The other toilet, beside of this small house.
46 **AJG:** [Malik arrives, and introductions are made]
47 **ZL:** He is reading class 2. Anything to ask him?
48 **AJG:** Perhaps I could speak with him after...I do not want to interrupt his lesson.
49 **007:** One toilet is there...all people use this toilet. Now this family using this one [EcoSan]
50 **AJG:** What type of toilet was the previous one?
51 **007:** Ring slab latrine.
52 **AJG:** Do you like this system better than the ring slab?
53 **007:** This one is better than one...just he ask one limitation. Ash he cannot manage.
54 **AJG:** The ash is a big problem.
55 **007:** Otherwise, he feel better...more than normal.
56 **AJG:** Have you ever used anything besides ash in the toilet? Saw dust?

1 **007:** Never used.

2 **AJG:** Do you have access to...

3 **007:** Some people...burn the rubbish of the saw, burning, and he collect those ashes. This is very more

4 cheap.

5

6 **AJG:** Was the ring slab easier to use than this toilet?

7 **007:** He have difficulties...If have some difficulties he will also...they feel good from this as well.

8 Sometimes the problem when they have newcomer, guest.

9 **AJG:** Is it difficult to urinate in this toilet?

10 **007:** No difficult. Easily can go to toilet.

11 **AJG:** Every time you urinate, you urinate here?

12 **007:** Always using...

13 **AJG:** Every time. Yeah...

14 **007:**

15 **AJG:** Where do you get your water?

16 **007:** They have a pond.

17 **AJG:** From the pond?

18 **007:** Yeah...wash water. This water is for sanitation purpose.

19 **AJG:** What about your drinking water?

20 **007:** His brother have a motor...motor [a motorized pump].

21 **AJG:** So it is an automatic pump.

22 **007:** Now the motor is not working. He is collecting water...50 BDT.

23 **AJG:** 50 BDT a day...wow. From Where?

24 **007:** Another house.

25 **AJG:** And how much water everyday?

26 **007:** Everyday, 50 BDT.

27 **AJG:** How many liters? How many kolshi?

28 **007:** Two at least. They have two water pot, like kolshi. 20- 50 liter. Three kolshi daily. Two times.

29 50 liter. This is difficult.

30 **AJG:** How far away [is the water point]?

31 **007:** 5-7 minutes. Ten minutes go and back. And collect [inaudible]. They are poor people.

32 **AJG:** Do you collect the water, or your wife?

33 **007:** His wife. He already decide, he wants a deep tube well from DSK.

34

35 **AJG:** Where do you wash your hands after using the toilet? [begins to rain, and interview continues

36 inside the home]

37 **007:** You can sit here.

38 **AJG:** Sit here.

39 **ZL:** This is the living conditions.

40 **AJG:** It's very comfortable actually.

41 **007:** Do you need fan?

42 **AJG:** No. Thank you for having me. So, you wash your hands [with water] from the pond?

43 **007:** Yes.

44

45 **AJG:** So, you worked with DSK in the system construction?

46 **007:** Yes. He is helping DSK.

47 **AJG:** Would you help some of your neighbors if they wanted help constructing a toilet?

48 **007:** They no need to help anybody. His family has decided this toilet, and he has communicated with

49 DSK and DSK installed this. And some people ask him to install, they want to install it.

50

51 **AJG:** Aside from the ash and the vent pipe, there are no major problems?

52 **007:** He feels this is the main problem, the water into [the feces chamber from the vent pipe].

53 **ZL:** Very easy to fix. Just remove this cap, and...replace the cap [with a larger cap]

54

55 **AJG:** How much do you pay for the toilet?

56 **007:** Only three months he has paid.

1 **AJG:** And how much each month?
2 **007:** 900 BDT every month.
3 **ZL:** The ownership is DSK 50, and he is 50.
4 **007:** After completing this payment, he decided he will get a water option from DSK.
5 **AJG:** Are you happy to pay for this toilet?
6 **007:** They are not too burdened.
7 **AJG:** Where do you get your primary income? From weaving?
8 **007:** [Small pigeon enters home and is shooed out by Babul] They have a small nest for pigeon...he
9 would like to see [show] you. His business is the Sari, the weaving. The money he collect from
10 there. Sometimes he sell the fruits and vegetables. Main business is the Sari. Every Friday he
11 sell at Dembra Bazaar.
12 **AJG:** How much does one Sari sell for?
13 **007:** He selling price of the Sari is 300-400 BDT, depending on what is there. He paying his two
14 employees, depending on what is there. He goes a lot in early morning. [produces a Sari from a
15 shelf in the home]. This is ready for selling.
16 **AJG:** It is very beautiful.
17 **007:** Especially the woman is wearing this Sari on her marriage day.
18 **AJG:** They are very beautiful. Very nice.
19 **007:** There are not using sari [wife not wearing them].
20 **ZL:** He thinks white people are not wearing very much.
21
22 **AJG:** Let me collect some basic information here. Babul, how old are you?
23 **007:** 40, up. Older than forty.
24 **AJG:** He is the head of the household.
25 **007:** The Bengali name is quarta. He is the head.
26 **AJG:** He said he has lived here for 20 years?
27 **007:** 20-22.
28 **AJG:** Where did you live before you moved to this house?
29 **007:** They have an old house. He has old house, and the family has children, and moved here.
30 **AJG:** To accommodate the larger family.
31 **007:** Their toilet...acquire from DSK by inspiring them.
32 **AJG:** The toilet from his father in law?
33 **007:** Yeah.
34 **AJG:** Both toilets are very nice. Yours is very clean, and I am very impressed. Thank you very much
35 for speaking with me. IS this your wife?
36 **007:** Yes.
37 **AJG:** May I speak with her as well.
38 **007:** Yes.
39 **AJG:** Would it be ok if we spoke alone?
40 **007:** No.
41 **AJG:** No. Ok.

[47:31 : END OF INTERVIEW]

Date: 8/24/2011**Latrine No.: 004****Interview No.: 008****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:17	██████████	Pobonkul Village
Interview end:	13:26	██████████	Rupgong Upzilla
			Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Light Rain	Very Humid	Shahanaj

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	30-35	Female Head

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
20 years	20 years	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	7	1

NOTES:

Wife of Respondent 007

Despite the village's peri-urban character, the respondent's home is almost rural, surrounded on three sides by agricultural fields.

Respondent still mourning the death of her young son approximately 1 year ago; respondent had difficulty answering questions about the EcoSan toilet.

TRANSCRIPT

Respondent: [REDACTED] (wife of Respondent 007)

ZL: [REDACTED]

-
- 1 **AJG:** Interview 008. What is your name?
2 **008:** Sahanaj.
3 **AJG:** How long have you been married?
4 **008:** Cannot remember. Cannot recall. About 20 years. They got married very early. They already
5 suffer [from the loss of a] child.
6 **AJG:** Are you comfortable using the EcoSan toilet?
7 **008:** Very happy.
8 **AJG:** Is it better for you than the ring slab toilet?
9 **008:** She first use her cousin, Shah Alom [owner of Latrine 003].
10
11 [ZL phone rings].
12
13 **ZL:** Tony, they have already started [training the users at the new DSK EcoSan toilet].
14 **AJG:** Ok. Two or three minutes here, then we will go.
15
16 **AJG:** Do you have any difficulty using the toilet?
17 **008:** Just the ash problem. They both clean the toilet.
18 **AJG:** My wife makes me clean the toilet every time.
19 **ZL:** They ask me her...two children already gone.
20 **008:** [Respondent begins to weep over the loss of her young son]. If her child sees the toilet, he would
21 be very happy.
22
23 [ZL Phone rings]
24
25 **ZL:** We can...
26 **AJG:** I think we must go.
27 **ZL:** They are waiting for us {DSK staff at the next latrine}
28
29 **008:** They invite you to come again?
30 **AJG:** [To Sahanaj] How old are you?
31 **008:** 25...35. They have been married for a long time, so more than 35 years.

[7:16 : END OF INTERVIEW]

Date: 8/24/2011**Latrine No.: 005****Interview No.: 009****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:52	██████████	Pobonkul Village
Interview end:	14:02	██████████	Rupgong Upzilla
			Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Cloudy	Very Humid	Hanif (husband)
			Shajayda (wife)

Respondent Demographic Information

Gender:	Age:	Head of Household?
M / F	35 / 27	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
35 / 13 years	13 years	20

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	2

NOTES:

Male is primary respondent

Respondents interviewed simultaneously as Mr. Ziaul Latif had only 15 minutes before he must leave

Respondents were trained by DSK training officer Manashe Dey this afternoon and will begin to use the toilet today

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

Note: Prior to commencing interview, AJG is informed by Ziaul Latif (DSK) that the interview must be very brief in order to board a bus back to Dhaka City; interview duration to be only approximately ten minutes, with a follow-up interview to occur in several weeks.

- 1 **AJG:** Mr. Shalom? [Respondents indicated that they had received information regarding EcoSan toilets,
2 from a cousin, Mr. Shalom [?].
3 **ZL:** Yeah.
4
5 **AJG:** What was the training like today?
6 **009:** They are feeling good.
7 **AJG:** You fully understand [the toilets operation]?
8 **009:** He ask me...the urinal portion is in the front side, and the back is the washing. The middle is the
9 defecating.
10
11 **AJG:** Have you used an EcoSan toilet before, either of you?
12 **009:** No.
13 **AJG:** No, neither. What type of toilet did you have previously?
14 **009:** Ring toilet.
15
16 **AJG:** What made you decide to install this toilet?
17 **009:** It is not a lot of money to clean it, and keep it in a hygienic condition. No water, he likes that.
18
19 **AJG:** Have you looked at Mr. Shah Alom's toilet?
20 **009:** Yeah.
21 **AJG:** And you were impressed by it?
22 **009:** Yeah.
23 **AJG:** What will you use the urine and fertilizer for?
24 **009:** Cultivation.
25 **AJG:** You grow crops here?
26 **009:** The backside of the toilet, lots of trees.
27 **AJG:** Do you sell the fruit?
28 **009:** Also vegetables.
29 **AJG:** Are they sold at market?
30 **009:** No, only for them.
31 **AJG:** Ok. Just to eat. How much do you expect the toilet will cost each month?
32 **009:** One year.
33 **AJG:** You think you will be able to pay for it in one year?
34 **009:** Every two weeks.
35 **AJG:** You will pay every two weeks?
36 **009:** No, for the urine [the urine will be applied to crops every two weeks].
37 **AJG:** Ok. Every 14 days it will be emptied. And how long will it take to pay for the toilet.
38 **009:** One month.
39 **AJG:** After one month, you will begin to pay. And what is your primary source of income?
40 **009:** The weaving.
41
42 **AJG:** Were there any differences in training for the men and women?
43 **009:** Almost same.
44
45 **AJG:** Unfortunately, we are very short on time, so we need to go. I hope I have the opportunity to speak
46 with the two of you again.
47 **ZL:** No, ask question.

1 **AJG:** Ok...if we have a few more minutes. The decision to install the toilet, was this made by both of
2 you?
3 **009:** After discussion, both.
4 **AJG:** Both decided together. When do you expect to use some of the fertilizer?
5 **ZL:** One year...you have already asked sometimes before. Using for six month, then composting for
6 six month.
7
8 **AJG:** Before today, had you talked to anyone with DSK about the use of this toilet? About the actual
9 training?
10 **009:** Yes.
11 **AJG:** They had. So the actual use of the toilet was described to them today?
12 **009:** Yeah.
13
14 **AJG:** And where will you get your ash?
15 **009:** The wood produce.
16 **AJG:** The wood burning stove.
17 **009:** And burning leaves.
18 **AJG:** Do you anticipate needing more ash than that?
19 **009:** That is enough. The toilet, they not use, and they expect it is enough.
20 **AJG:** Have you been saving your ash for the past months?
21 **009:** Already visited someone [to get more ash] for this purpose.
22
23 **AJG:** When will you begin to use the toilet?
24 **009:** When the natural condition. When it is...maybe today.
25 **AJG:** [laughing] Ok...so whenever it comes. Thank you very much for speaking with me today. What
26 are both of your names?
27 **009:** Hanif and Sajayda.
28
29 **AJG:** Ok...just a few more very quick questions...How old are you?
30 **009:** They are about 35 [Hanif]; 27 or 28 [Sajayda].
31 **AJG:** How long have you lived in this village?
32 **009:** He was born here?
33 **AJG:** So your whole life. And you [Sajayda] as well?
34 **009:** She comes after married. 13 years.
35 **AJG:** And you have lived in this house for how long?
36 **009:** 13 years.
37 **AJG:** How many people live in this house?
38 **009:** Six person.
39 **AJG:** So the mother and father and four children?
40 **009:** No. The sister in law and mother. Four are women and two are men. [Six total, two children, four
41 adults]
42 **AJG:** Will the children be using the toilet?
43 **009:** They were trained today.
44 **AJG:** And just the one household is using the toilet?
45 **009:** Yes.
46 **AJG:** Ok...thank you very much.

[12:47 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 006****Interview No.: 010****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	9:50	██████████	Shamta Village Sharsa Upzilla Jessore District Khulna Division
Interview end:	10:34	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
32°C	Cloudy	Very Humid	Jahar-Ali (husband) Sakhira (wife)

Respondent Demographic Information

Gender:	Age:	Head of Household?
M / F	60-70 / 50	Male / Female Head

Residency Information

Length of Residence in Shamta:	Length of Residence at Current Location:	Number of Residents in Household:
60-70 / 35	60-70 / 35	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	0

NOTES:

Male is primary respondent

Respondents interviewed simultaneously as due to A. Pramantik confusion regarding interview protocol

TRANSCRIPT

Respondent: [REDACTED] (Husband) and [REDACTED] (Wife)

AP: [REDACTED]

HK: [REDACTED]

- 1 **AJG:** This is interview 010.
2 **AP:** Tony, I have added a small interview to him. Just we suggested him...when I came first and came
3 that this man with many [arsenicosis] slash on his body, but now it is removed
4 **AJG:** From the arsenicosis?
5 **AP:** Yes.
6 **HK:** The external symptoms is removed, over the skin.
7 **AP:** If the external symptoms is removed, it indicates that...this is the rain water they have just
8 collected using a very simple [collection system].
9
10 **009:** They produce their day to day required vegetables from their own field. Just they give...how to
11 make vegetables at low-cost, using the feces and urine just to grow up their own vegetables.
12 Before they used to buy this from the market. Now they have some quality. So once they are
13 getting the vegetables from the own field, so now they are feeling their physical stamina is
14 growing up, so genuine item they are taking. So nutrient deficiencies are already solved.
15
16 **HK:** So now you may ask them some questions.
17
18 [RECORDING PAUSED]
19
20 **AJG:** So...Interview 010. Ok. So, do you ever have any difficulty using the EcoToilet?
21 **009:** No. She feels comfort.
22 **AP:** Ok. I have asked her another question. At the primary stage was their any problems or not? She
23 told that at the primary stage, because of behavioral factors, there were some problems for using.
24 But now they do not have any problems.
25 **HK:** They are habituated.
26 **AJG:** How long did it take to overcome these behavioral problems?
27 **009:** One or two weeks.
28
29 **AJG:** One or two weeks, that's all. How many people are using the toilet?
30 **009:** Altogether, six people.
31 **AJG:** How many adults, and how many children?
32 **009:** One children.
33 **AJG:** Ok. So five adults, one children
34 **009:** One children, but small. And among the adults, two each female and male.
35 **AJG:** Ok. And the child is male?
36 **009:** Yes.
37
38 **AJG:** Did the child use any other toilet before this?
39 **009:** Actually, her...at this moment, their small boy is not using the toilet. As he is now growing up
40 they are thinking they will teach him for the use.
41 **AJG:** So, now he is using a plastic commode.
42 **009:** Yes, something like this, and they are just dumping it.
43
44 **AJG:** What is the source of ash that they are using for the toilet?
45 **009:** They produces the cooking.
46 **AJG:** And is the source of ash sufficient for the toilet?
47 **009:** Yes. Enough they produce.
48 **AJG:** So you do not have to gather [ash] from the neighbors.
49 **009:** No. At this moment no
50

1 **AJG:** What about when guests come, do they have problems using the toilet?
2 **009:** No, they don't have gas [utility servicing the home].
3 **AJG:** So the family does not receive guests, or the guests do not have problems using the toilet?
4 Visitors?
5 **AP:** Guest...oh.
6 **009:** Yes, they teach the guest how to use the toilet.
7 **AJG:** And do you feel that it is used correctly [by the guests]?
8 **009:** They can use...they can use correctly. They investigate.
9 **AJG:** Ok. So they check after {the toilet has been used by a guest to ensure proper operation].
10
11 **AJG:** So...They never have to gather external ash?
12 **009:** No.
13 **AJG:** And is anything besides ash, like dry leaves, ever placed in the toilet?
14 **009:** No. They use only ash.
15
16 **AJG:** Why did you...what toilet were you using before the EcoToilet?
17 **009:** Just the ring-slab?
18 **AJG:** This ring-slab here that I have seen?
19 **009:** Yes.
20 **AJG:** So has it been removed, or does it still exist?
21 **009:** It has already been removed?
22
23 **AJG:** Why did you decide to install the EcoToilet?
24 **009:** They have some reasons. First, they think that this toilet is an improved one, and the feces will
25 not cause environmental pollution or underground water contamination. And they thought that it
26 is always neat and clean and that it does not have any odor, using ash. And it also consumes less
27 water, or no water. Another important issue is that they thought they reuse the human feces and
28 urine for agriculture purpose, productive purpose. These are the reasons why they have decided.
29 **AJG:** And who made the decision to install this toilet?
30 **009:** They two sit together and decided the advantage and disadvantage of this toilet and the existing
31 toilet. So just deciding amongst themselves, they had decided
32 **AJG:** Had you ever seen an EcoToilet before?
33 **009:** No.
34 **AJG:** So you had never seen and, of course, no used one before.
35 **AP:** I have asked, sorry, a related question on behalf of you. As they did not have knowledge about the
36 EcoToilet, how did they decide? Then they replied our [SPACE] local manager had just showed
37 them and discussed them some pictures of EcoToilet. Then they could decide.
38
39 **AJG:** Are you pleased with the decision to install this EcoToilet?
40 **009:** Yes. They are pleased.
41
42 **AJG:** How much does the toilet cost?
43 **009:** Actually they have a participation. The total cost was 16,000 [BDT], and out of the total, the
44 project has contributed 12,000 [BDT] and 4,000 [BDT] they have contributed.
45 **AJG:** Is this 4,000 taka a burden?
46 **AP:** Actually this 4,000 [BDT] is cash and manual labor. They have participated only 2,000 taka as
47 cash. And some other materials, bricks and brick chips, they have given. So altogether, the total
48 cost, 4,000[BDT] they have given. As you can see, they are very poor people and also they are
49 very helpless people. And also they don't have any work because of their physical problem, their
50 arsenicosis problem. The society do not give them any employment and the employment...they
51 are poor.
52 **AJG:** So they have finished paying for the toilet, or do they continue to pay?
53 **AP:** No...
54 **AJG:** Ok. So just the cash and the labor they have contributed.
55
56 **AJG:** Have you used the composted feces for the vegetables yet?

1 **009:** It has been constructed in April. So they are using only urine.
2 **AJG:** How often do you use the urine?
3 **009:** They use three times in a month.
4 **AJG:** Since April?
5 **009:** Yes.
6 **AJG:** Can you notice a difference in your vegetables and fruits [since you began applying the urine]?
7 **009:** Yes. They find some difference. The difference, he says the production...the yield is much
8 higher than the normal. Another difference is the taste.
9 **AJG:** The taste? It is improved?
10 **009:** Yes.
11
12 **AJG:** Do you apply the urine to all of you agriculture, or just to some?
13 **009:** What he is saying...actually they don't have any agricultural land in the field. So they have the
14 agriculture just in their homestead.
15 **AJG:** So just the small kitchen garden.
16 **009:** Yes the kitchen garden. They are saying they have got some benefit. The benefit is that before
17 this, they had to buy vegetables from the market, and those vegetables were mixed with chemicals.
18 They did not get improved taste.
19 **AJG:** Do you grow all of your own vegetables now?
20 **009:** Yes.
21 **AJG:** So they do not buy anything from the market?
22 **009:** Due to very heavy rains this year at the time they were using the urine, the urine did not work this
23 year. So at the time, they got some crisis. Now, this is the time that they are getting all their fruits
24 and vegetables from the kitchen garden. Now it is becoming sufficient.
25
26 **AJG:** What do you think about using the urine and feces in your kitchen garden? Was this and
27 adjustment for you, or did it seem normal?
28 **009:** They have a very good reply...a very good answer. We have supplied information to them that
29 urine is a very good fertilizer, but they don't believe at first. But when they utilized in the
30 practical field, they are thinking that it is much better than the chemical fertilizer from the field.
31 Because when they are utilizing the urine in the field, the growth of the plant is much higher and
32 the fruit is becoming bigger than the previous. And the number of yield is better than the chemical
33 fertilizer. The other thing is that if they buy the fruits from the market, they have to pay, but now
34 they have something to sell.
35 **AJG:** You are able to sell some [surplus] as the market?
36 **009:** They are staying that still they are not selling at the market, but they have a plan. I tell them that
37 they are getting more vegetables than before, so why are you not selling? They say that because
38 they are the [arsenicosis] patient, we need much more vegetables than before, so we just eat it. So
39 after meeting their needs, if it becomes more, more excess, then they will sell it in the market?
40
41 **AJG:** When will you be able to apply the compost in the field?
42 **009:** They are planning. This is three months, and after three months, they will stop and begin to use
43 another chamber. Then it will need another 6 months.
44 **AJG:** Ok. So it will need another 9 months.
45
46 **AP:** So he is another toilet owner {introducing man that has arrived at the interview}. He is just
47 leaving, but his wife will be here. Do you want to take an interview?
48 **AJG:** I think we will just speak with his wife.
49
50 **AJG:** Have you discussed the toilet with any of your neighbors?
51 **009:** Yes. They discuss it.
52 **AJG:** Are any of your neighbors interested in installing an EcoToilet?
53 **009:** They discuss it, but they are becoming interested for the construction. One problem is that they
54 have installed the toilet with the subsidized support. So they are thinking they are so poor. There
55 are 2,500 families this village and another village. So this two villages are very badly threatened
56 of the arsenicosis, so they cannot afford the cost. So they are saying that many of them have

1 installed, but the number is very small. So they are saying that if this toilet is promoted, the will
2 need external support. So they are saying that if there are two ways as the people are very
3 hopeless and helpless, so it is possible if the external support is there...subsidized support. And
4 they can afford some cost share. Otherwise there are other ways, if the cost is minimized. So we
5 are thinking of ways to reduce the cost below 10,000 [BDT].
6 **AJG:** Do you have any ideas as to how the cost could be reduced?
7
8 [29:50 : UNDP staff () arrives to introduce themselves]
9
10 [31:11 : Continue Interview]
11
12 **AJG:** So I think we were asking if he could think of any ways the cost of the toilet construction could be
13 reduced?
14 **009:** Actually he is saying there are two ways of reducing the costs. One is if the super-structure could
15 be made using the local materials. Or they width of the structure could be thinner. Now it is five
16 inch...if it was three inch, cost could be reduced. The significant reduction is the local materials
17 for the super structure, not brick. Then the cost could come down below 10,000 [BDT].
18
19 **AJG:** How often do you meet with SPACE staff?
20 **009:** As the staffs are local, they also live in the village. So everyday they meet each other. The
21 ladies....the women worker come here once in a week. Sometimes it is once in a two week.
22
23 **AJG:** Moving back to the ash, how much ash does the toilet require everyday?
24 **009:** They are saying that it is around 400 gram each day.
25 **AJG:** 400 gram each day? So if everyone uses the toilet each day, it is less than 100 grams per person?
26 **009:** Yes.
27 **AJG:** So how much of a bucket is that? How many days will a bucket of ash last?
28 **009:** It is the knowledge of the women and the men, because most of the time the women manage the
29 toilet. So he is saying 10 days, but she is saying no, it is 6 or 7 days [laughing]. Now he is
30 agreeing.
31
32 **AJG:** Who is responsible for cleaning the toilet?
33 **009:** There are two person responsible, but the majority it goes for him. She is thinking that it is the job
34 of two person, so together they manage it.
35 **AJG:** Have you had to perform any other maintenance on the toilet besides regular cleaning?
36 **009:** Still...no.
37 **AJG:** No other maintenance as of yet?
38 **009:** No.
39
40 **AJG:** How much water does the toilet require for the anal washing?
41 **009:** She is saying that 10 liters of water, it goes for a week.
42 **AJG:** 10 liters for a week? For all of the users?
43 **009:** Yes. She says it goes for anal washing and washing hand. And cleaning inside. Cleaning inside,
44 they use just some dust cloth.
45
46 **AJG:** So there have been no other problems that you have had adjusting to the toilet?
47 **009:** No. No problem.
48
49 **AJG:** Did you decide what the design of the toilet would be?
50 **009:** He is saying that the design of the toilet is ok. She is saying that this is good for them.
51
52 **AP:** Tony, it is very interesting, you know. One of the more challenging issue in Bangladesh is the
53 menstrual hygiene management. She is saying that just we have taught them how to use the toilet
54 during their menstrual period. She is saying that before this, they had some management problem
55 how they will do this. But now she is saying that during the menstrual period they are facing to

1 the backside and placing the menstrual content in the evaporation bed. They are thinking that this
2 is very much supportive for the menstrual hygiene management.

[40:41 : Begin collecting demographic information for interview form]

[43:06 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 007****Interview No.: 011****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:02	██████████	Shamta Village Sharsa Upzilla Jessore District Khulna Division
Interview end:	11:46	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Cloudy	Very Humid	Fahima

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	35	Female Head

Residency Information

Length of Residence in Shamta:	Length of Residence at Current Location:	Number of Residents in Household:
20	20	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	2

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

HK: [REDACTED]

- 1 **AJG:** Interview 011. Perhaps we can begin. So, you are the owner of this toilet here?
2 **011:** Yes. She is the owner.
3
4 **AJG:** How many people are using this toilet?
5 **011:** Five peoples. Five people.
6 **AJG:** All adults, or some children as well.
7 **011:** Only one child.
8 **AJG:** Is it this child? [referencing a child who is approximately two years old in respondent's lap]
9 **011:** He is not capable to use this toilet [due to his young age]. Afterwards he will be introduced. But
10 he is not able to use this toilet independently.
11 **AJG:** So, right now there are...
12 **HK:** He is using other alternatives.
13 **AJG:** So there are four users of that toilet?
14 **HK:** Yes. Four.
15 **AJG:** And he [the child] will use the toilet?
16 **HK:** That will take a long time.
17 **AJG:** So just four adults [using the toilet]?
18 **011:** Yes. What is happening, when he defecates then they are just catch it in a tub and just throw it in
19 the EcoToilet and cover.
20 **AJG:** So he is just using a small plastic commode?
21 **011:** Yes.
22
23 **AJG:** What has your experience with this toilet been so far?
24 **011:** Her experience is very good.
25 **AJG:** Do you find any difficulty using the toilet?
26 **011:** She is saying that from the very beginning she was a little oriented to the toilet, so she did not
27 have any problems.
28 **AJG:** When was this toilet built? Was it built before or after this toilet? [indicating Latrine 006]
29 **011:** That toilet was built first.
30 **AJG:** How were you oriented before this was built?
31 **011:** Actually, [REDACTED], [SPACE] local unit manager, he first oriented them...contacted them. He made
32 a very good example, just a linkage between arsenicosis and the EcoToilet. In this way that she is
33 saying their slab latrine, it is somehow harmful because it is not always clean or hygienic to use
34 and it is not efficient to manage the defecation or feces. So, the EcoToilet is very efficient and
35 cannot be harmful as it does not have any odor, any unhygienic feces odor, so it may be good for
36 you. And the use of feces and urine in agriculture and vegetable production can also be very much
37 useful for them. They become motivated, as she is also a patient.
38 **AJG:** An arsenicosis patient?
39 **AP:** Yes, and her husband also a patient. So those are the things that made their mind. And her
40 husband motivated.
41
42 **AJG:** What was the most important consideration in installing this toilet? What was the most important
43 thing for you?
44 **011:** They have actually two dimension. One dimension is the health dimension. The dimension is the
45 sanitation efficiencies of this toilet. Another thing they have the reuse of human feces and urine as
46 the fertilizer. Because of the fact that they are poor people and they have a small land in the field,
47 they cannot buy fertilizer from the market. Sometimes the fertilizer from the market is not pure,
48 with some deficiencies and some difficulties. This is one. Another thing is that it is very
49 expensive, that contribute, as reported by them. SO these are the difficulties for them to buy and

1 use the chemical fertilizer in the field. This is one, and another is that the chemical fertilizers
2 produce food that is harmful for them.

3 **AJG:** Produced what, I am sorry? The food?

4 **011:** If the food is produced using the chemical fertilizer, that would be harmful for them, the
5 arsenicosis patient. This is another consideration with respect to health. So they have actually
6 two consideration. One is health, the other is reuse. And under health there is two consideration:
7 one is sanitation efficiency, the other is that chemically produced food is not good for them.
8

9 **AJG:** Ok. I see. And what sort of toilet were you using prior to this [Eco]toilet?

10 **011:** Actually she told that that toilet [a ring-slab toilet adjacent to the EcoToilet] was just used by
11 them. They have reconstructed it because of some results, and they will again demolish it.
12 [Pause as respondent continues to speak.]

13 Oh. She is saying that because of some physical problems, probably she got just some problems
14 caused by her abdomen...problem during her delivery. So that toilet...the stairs...

15 **AJG:** The stairs will too difficult. So you reconstructed this ring-slab to use while you were injured.

16 **011:** Yeah. Now she is thinking that the problem is already overcome, and she will demolish it
17 tomorrow or today.

18 **AJG:** How long have you been using the ring-slab?

19 **011:** One or two weeks.

20 **AJG:** That's it. Ok. Have you had any other problems besides the stairs?

21 **011:** It was a problem when she was pregnant and after her cesarean. But at this moment, she does not
22 have any problem.

23 **AJG:** What did you use while you were pregnant? Do you use the EcoToilet?

24 **011:** At a certain stage she could use. After eight months she could use. After nine months she could
25 use. But after 10 months, before...15 days.

26 **AJG:** Ok. So just before delivery.

27 **AP:** So the EcoToilet should be disabled friendly. We suggested to them they build the toilet attached
28 to the room so that there should be...

29 **AJG:** ...a level entrance.

30 **AP:** Yeah. And if there is a level entrance, I think it should be suitable for them to use with disability.
31

32 **AJG:** Before this EcoToilet was installed, had you ever used an EcoToilet?

33 **011:** She said because they had built this toilet [Latrine 007] earlier than this one [Latrine 006].

34 **AJG:** Oh this toilet was built first. Excuse me. When was this built?

35 **011:** It is around 10 months.

36 **AJG:** How soon will you use the fertilizer?

37 **011:** After three months.

38 **AJG:** So three more months. How long did it take you to become accustomed to using this toilet? How
39 many weeks or months before you began to feel comfortable?

40 **AP:** Sorry?

41 **AJG:** How many weeks, or how much time before she felt comfortable using this toilet?

42 **011:** They have used another toilet for composting.

43 **AJG:** Before this they had another...No. Once this toilet was built, how long before she felt
44 comfortable using it?

45 **011:** Just six months.

46 **AJG:** Did it take six months before she began to feel comfortable?

47 **011:** Oh. No, she told that as she has had earlier orientation to this toilet, so from the very beginning
48 she did not feel any problem. She always feels very comfortable.

49 **AJG:** Does anyone in the family have problem using the toilet?

50 **011:** No. This family is very good orientation, so they don't have any problem. Even they are just
51 daughter and...just a daughter in law, they don't have any problem.
52

53 **AJG:** How much ash does the toilet require?

54 **011:** She is saying they have a pot. The pot...50 gram in each pot. They use this pot after using [the
55 toilet].

1 **AP:** Again, I asked her how long she could use the bucket, and she is saying that their bucket is a little
2 small than this bucket [used in Latrine 006]. So four or five days.

3 **AJG:** Are you able to produce all the ash you need for the toilet with your cooking?

4 **011:** Yes. They can produce by themselves.

5

6 **AJG:** Where do you use the fertilizer, the urine that you produce?

7 **011:** They use...oh. They use the urine for the fruit tree and also for the vegetables.

8 **AJG:** In poultry?

9 **011:** Fruit tree.

10 **AJG:** Fruit tree. Excuse me.

11 **011:** Fruit tree and also in the field.

12 **AJG:** They have a field [that they are farming]?

13 **011:** Yes. They do not have their own land, but crop share. So also in the field.

14 **AJG:** Do you sell the vegetables at market, or are they only for the family?

15 **011:** Yes. They consume and they sell.

16 **AJG:** You do use the urine for the vegetables that are sold as well?

17 **011:** Yes.

18 **AJG:** Can you see a difference in the vegetables you grow, or the fruits [when the urine is applied]?

19 **011:** Yes. She find some difference...big difference. The difference is that the growth...the yield.

20 **AJG:** When do you apply the urine to the vegetables? At what stage in the plants growth?

21 **011:** Just when the vegetable is like this [gesturing to indicated very small].

22 **AJG:** Only when it is very small?

23 **011:** Yes.

24 **AJG:** So just in the vegetative growth stage. What do you do with the urine you produce when the
25 plants are larger?

26 **011:** They stop just ten days...or one week...or 15 days before harvesting?

27 **AJG:** Who instructed you to use the urine this way?

28 **011:** Asraful, and just our [SPACE] local staffs. They first oriented one times, then follow up in the
29 field how they are using. If they find any problems, then they also suggest for further
30 improvement.

31

32 **AJG:** What advantages do you find that the EcoToilet has over the ring-slab toilet?

33 **011:** Tony...She is saying three different effect. One aspect is the health aspect. The ring-slab toilet is
34 good only for defecation. But after defecation they usually get odor, unhygienic situation and
35 some flies and insects inside of the toilet. But with EcoToilet, they do not get it. Another
36 dimension is social aspect. They feel comfort and they also feel social prestige.

37 **AJG:** I'm sorry. What?

38 **011:** They feel comfort and another is prestige.

39 **AJG:** Social prestige, ok.

40 **011:** They feel proud of this toilet, that they have a good toilet at this house.

41

42 Another is privacy and security. That they don't get in conventional toilet. In conventional toilet,
43 if a woman goes in side, then you can see. There is no door, only a just a screen. Anybody can
44 interfere them. Or there is the possibility to be harassed by other people, in terms of social
45 aspects. But, this toilet is full security...they feel full security. It is locked while they go inside,
46 so there is no problem.

47

48 Another dimension she has just mentioned, that is the menstrual hygiene management, which is
49 very difficult in the ring-slab toilet. But in this toilet, they can use the evaporation bed for
50 discreting [sic] the menstrual contents.

51 **AJG:** May I ask her some questions regarding menstrual hygiene?

52 **AP:** Yeah. Yeah.

53 **AJG:** What procedure do you follow when you are menstruating? How does it differ from the use when
54 you are not menstruating?

1 **011:** She is saying she feels comfort now during her menstrual period, because she use the evaporation
2 bed during her menstrual time. At that time, when the menstrual content mixing with blood, they
3 come out and again use some ash on the evaporation bed.
4 **AJG:** So she will disperse some ash on the evaporation bed?
5 **011:** Yeah. After using. Evaporation bed is using soaking it, but they are also using it [ash] because of
6 some psychological issue.
7 **AJG:** I understand. Did the ring-slab toilet have any advantages over the EcoToilet [with regards to
8 menstrual hygiene management]? Was the ring-slab better in any ways?
9 **011:** She is saying that the ring-slab toilet is not efficient for this, and not good for this. It is sometimes
10 risky, but this toilet is safe and suitable for managing this.
11
12 **AJG:** How often would you have the ring-slab emptied?
13 **011:** Sometimes, during the rainy season, the water level comes higher. Then the ring-slab over flow.
14 During the dry season, it is a little better. Sometimes they have to every year.
15 **AJG:** Every year it would be emptied?
16 **011:** Yeah.
17 **AJG:** How much did it cost? Did empty the latrine yourself?
18 **011:** 120 taka to clean out the latrine.
19 **AJG:** And it would happen just the one time per year?
20 **011:** Yeah.
21 **AJG:** And you would contract someone to clean it?
22 **011:** Yeah. Her husband [would arrange for the sweepers]. [Pause as respondent continues to speak.]
23 Oh...Sometimes, she is saying, in each month, sometimes in the rainy season.
24 **AJG:** Each month, sometimes, they would have to empty [the latrine]?
25 **011:** Which was very difficult for them to bear the cost. [Pause as respondent continues to speak.]
26 Sometimes they would just make another pit.
27 **AJG:** Ok. They would just cover that pit and dig another. What does this New EcoToilet cost? How
28 much are you paying?
29 **011:** She is saying, she has still to have any experience, but she is saying as it does not have any
30 problems, she is thinking that it will not be impossible for them to clean by themselves. She is
31 saying there is no cost.
32
33 **AJG:** Is there a cost sharing model [for financing the toilet's construction]?
34 **011:** The same. It was costing just around 15, 000 [BDT]. They have shared altogether 4,000 [BDT],
35 2,000 [BDT] cash, some just raw materials and manual labor.
36 **AJG:** And although the toilet is somewhat expensive, are you pleased with your decision to install this
37 toilet?
38 **011:** She is saying...very interesting answer here. She is saying, that it is expensive, but there is a cost
39 recovery.
40 **AJG:** There is what, I am sorry?
41 **011:** It is expensive, but there is a cost recovery process. They are utilizing the feces as fertilizer. So it
42 is becoming a recovery, by using it.
43 **AJG:** That will be recovered through...Do you plan on selling the fertilizer, or just using the fertilizer in
44 your fields?
45 **011:** She is saying that as they have a small farming, share cropping, they are thinking that they will not
46 sell it. They will use it. But there is demand for this source of fertilizer.
47
48 **AJG:** Does anyone besides the four users you have mentioned ever use the toilet?
49 **011:** No. Actually, she is saying that sometimes the guests come. And they are just taught how to use.
50 But most of the time, they cannot.
51 **AJG:** They cannot use it?
52 **011:** They can use it, but they cannot use it properly most of the time. So then, what they do...she is
53 saying that after this, they check and they just use burnt ash.
54 **AJG:** Hot ash?
55 **011:** Yes. Because sometimes they are using the anal cleansing water into the...hole.
56 **AJG:** Into the feces chamber?

1 **011:** Yeah...the feces chamber. So they check it, and immediately use the burnt ash.
2 **AP:** The burnt ash, what it does, immediately soak the water, and the ash is a littler hot.
3 **AJG:** Who teaches the guests how to use the toilet?
4 **011:** Very intelligent answer. Just it depends on the nature of the guest. If it is male, then she teaches
5 it. If it is male, it is her husband. Very realistic answer.
6
7 **AJG:** And how do you prevent people from using the toilet at nighttime? Do any unwanted people ever
8 use the toilet? How do you prevent this?
9 **011:** It is locked at night.
10
11 **AJG:** Who is responsible for cleaning the toilet?
12 **011:** Actually, she usually does it. But weekly, when her husband stay at home, he does it. Mostly on
13 Friday.
14
15 **AJG:** What is their primary source of income?
16 **011:** Her husband is a manual laborer, and they have a very small land, share cropping. So they have
17 many sources for income.
18
19 **AJG:** Do you ever use cow dung to fertilize the field?
20 **011:** Actually they have two use. During the rainy season, the cow dung is used for composting and for
21 farming. And this is used in...fuel purpose for cooking purpose.
22
23 **AJG:** For cooking purposes. During the dry season?
24 **011:** During the dry season, yeah. [Pause as respondent continues to speak.] Yes.
25
26 **AJG:** How do you feel about using the human fertilizer n the fields? Are you comfortable with this?
27 **011:** She is saying that as it is already dirt, and it is like ash, she will have no problem.
28 **AP:** Although I have asked if there is any disgusting situation she would feel [uncomfortable using the
29 EcoFertilizer] or not...and she say 'no, no, no'. She is now experienced that it is already...
30 **AJG:** IT already looks like dirt or ash.
31 **011:** Yeah. So she would have no problem.
32 **AJG:** What about the people that buy your vegetables? Would they have a problem with the
33 [EcoFertilizer] use?
34 **011:** No. Sometimes they feel shy about some disgusting situation, but she is saying no. Already
35 people are familiar with this issue.
36
37 **AJG:** Are you involved with any sort of community based organizations in the area? Any CBOs?
38 **011:** She is involved with a credit organization. And they are also involved with the organization
39 [indicating respondents in Interview 010]. Yes. They take some money.
40 **AJG:** Is this how they paid the 2,000 taka? Did they use money from the credit organization for their
41 contribution to the toilet construction?
42 **011:** Actually they do not have any limit. It depends about their plan. Sometimes it is 25,000
43 taka...just equivalent to...
44 **AJG:** \$300 or so.
45 **011:** Sometimes it is less than \$100, sometimes it is more than \$100.
46 **AJG:** Their access to credit, you mean?
47 **011:** Yeah. So this depends about their need, and also the assessment of the credit giving organization.
48 **AJG:** Would the credit organization be interested in funding more EcoToilet [construction]?
49 **011:** Actually they have not asked.
50
51 **AJG:** Have you discussed this toilet with your neighbors? And have your neighbors expressed interest
52 in installing a toilet like this?
53
54 **AJG:** Is this here a deep tube-well [indicating hand pump adjacent to home]?
55 **011:** No it is a shallow tube well.
56 **AJG:** But it is arsenic free?

1 **011:** No.
2 **AJG:** But it is not painted red.
3 **HK:** Actually, early times, so [inaudible].
4
5 **AJG:** So, have they discussed with the neighbors about the EcoToilet?
6 **011:** Actually the neighbors are also expecting, because of their poverty, they are also expecting some
7 external support like this. Sometimes they have told that if the family is a little solvent, they have
8 replied in a way that they have already built a conventional toilet. They have already invested
9 \$200. So at this time they are not interested. But if they are benefited with this {NGO subsidy},
10 they will observe it, and gain experience and build if possible, with some technical support.
11
12 **AJG:** Is there anything else you would like to tell me about the toilet, that we have not already
13 discussed?
14 **011:** She is saying she is very happy with this toilet. And she is saying...She is saying that it has many
15 dimension, which are very useful and beneficial for the people. One dimension is that it is good
16 for environment, it is good for the health, it is good for the social prestige, it is good for the
17 security for the women and the children. So everyone should do it. It has some reuse factors.
18 **AJG:** Some reuse factors.
19 **011:** Yes, so her opinion is that everyone should use this toilet. And the agencies, particularly, that are
20 funding to Bangladesh, they should be aware of this issue.
21 **AJG:** So let me just gather some basic information.

[41:27 : Begin collecting demographic information for interview form]

[44:11 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 008****Interview No.: 012****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	14:03	██████████	Shamta Village
Interview end:	14:29	██████████	Sharsa Upzilla
			Jessore District
			Khulna Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
32°C	Cloudy	Very Humid	Renjuara

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	29-30	Female Head

Residency Information

Length of Residence in Shamta:	Length of Residence at Current Location:	Number of Residents in Household:
29	29	3

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	2	0

NOTES:

- Respondent suffered from arsenicosis; visibly affected
- Respondent had recently given birth to child
- Respondent indicated that she had lived in the home since her childhood

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

HK: [REDACTED]

- 1 **AJG:** Interview 012
2 **AP:** Her name is [REDACTED]
3 **AJG:** [REDACTED]...?
4 **012:** [REDACTED]. [REDACTED]
5
6 **AJG:** Ok. Good. How many people are using this toilet?
7 **012:** Two.
8 **AJG:** Just two people?
9 **012:** Yes. Her husband and she.
10 **AP:** You can find that both of those are affected by severe arsenicosis.
11
12 **AJG:** Why did you decide to install this toilet?
13 **AP:** Actually, you know, she is now saying that when I visited her last time I found that she is a very
14 good lady, but now I cannot remember her. But I can remember only two things. One is health
15 aspect, and the other is economic aspect.
16 **012:** She is now sick. So she is saying that she feels it is a better toilet, and the other is that it is for
17 health. And another is that it produces some product: urine and feces.
18 **AJG:** Did you find the toilet difficult to use during your pregnancy?
19 **012:** She is saying that she did not feel any problems?
20
21 **AJG:** What toilet did you have before this toilet? Ring-slab?
22 **012:** Only pit latrine, without slab.
23 **AJG:** And you like this toilet more than the pit latrine?
24 **012:** She says this toilet is much better than the previous toilet.
25 **AJG:** In what regards? What makes it better?
26 **012:** She says that there are three major reason. [Pause as respondent continues to speak.] Ok. Before
27 just as previous toilet was very bad to use, as it was small. It was very difficult for her to use. She
28 feel always discomfort, for three reasons. One is that many people could see her. Another is that
29 it was not safe for use during raining, and bad smell due to odor. And that was very unhygienic.
30 This toilet is much better because it gives privacy, it is raining, and some other disaster cannot
31 destroy it. And she feels very good and comfort during use as there is no odor and flies. She feels
32 this is much better than the previous toilet.
33
34 **AJG:** When was this toilet installed?
35 **012:** It is last year.
36 **AJG:** Have you fully composted any of the feces yet?
37 **012:** As this toilet was constructed at the end of 2010, so one chamber is filled up.
38 **AJG:** So one chamber is full and composting now, ok. What do you use the urine for?
39 **012:** She uses in this tree. And also she uses in the paddy field.
40 **AJG:** Oh, so you have a paddy field as well.
41 **012:** Yeah. She has just 30 decimal of land.
42 **AJG:** Decimal?
43 **AP:** Yeah decimal, you know?
44 **AJG:** No I don't.
45 **AP:** Decimal is 30 by 100 hectares.
46 **AJG:** Oh...so that is quite a bit of land.
47 **AP:** No...[drawing] this is one hectare by one hectare...this is 30% of this 100. So it goes in a
48 decimal.
49

1 [Note: The Bangladeshi measurement of decimal indicates fractions of a hectare. For example, 30
2 decimal is equivalent to 0.30 hectares.]
3
4 **AJG:** Have you noticed a difference in your trees here, since you have begun to use the urine?
5 **012:** She says she finds significant improvement.
6
7 **AJG:** What is your source of ash?
8 **012:** As there are only two peoples, and just a small children, the ash, what they produce, it not
9 sufficient for them. So she collects from the neighbors.
10 **AJG:** Do you ever have to pay for this ash, or do they give it to you?
11 **012:** This is free.
12 **AJG:** Is it ever difficult to find ash, or is there always enough?
13 **012:** It is manageable.
14 **AJG:** Do you have to go far?
15 **012:** No. Just the neighbors.
16
17 **AJG:** Just the immediate neighbors, ok.
18 What was the biggest factor for you in wanting to install this toilet?
19 **012:** Actually because of durability, sustainability, social prestige and security/privacy?
20
21 **AJG:** And has the toilet been a financial burden for you? Does it cost less than the pit latrine?
22 **012:** Actually she is thinking that the cost is higher, but compared to the toilet status, it is ok. But for
23 her, it is difficult to afford.
24 **AJG:** How much are you paying for the toilet?
25 **012:** She shared 2,000 taka as cost sharing and other materials. Altogether, this is 4,000 [BDT]. She
26 invested manual labor.
27 **AJG:** Even though the cost is high, is the toilet worth the high cost to you? Are you pleased with your
28 decision to install this toilet?
29 **012:** Tony, she is thinking that it is very essential for them. But she could not manage the money to
30 build a good toilet, like that toilet, because she cannot afford. When she heard about this issue,
31 she thought that it was very difficult for her to afford the 200 taka...the 2,000 taka. But she
32 thought that she was mentally ready to pay for the cost sharing. So she thought that if it is too
33 much, but it is a good thing, she has opted.
34 **AJG:** So the subsidy factored into their decision to...
35 **012:** The subsidy is a big factor. Otherwise she could not do it.
36
37 **AJG:** Have you seen other EcoSan toilets around the village?
38 **012:** She could not see. She is one of the first.
39
40 **AJG:** Do you ever speak with your neighbors about your toilet?
41 **012:** She is saying that when some people come to her, and when she goes somewhere, then sometimes
42 when just this toilet is good. So you can also follow it like this.
43 **AJG:** Do you ever experience any problems with the toilet, such as...?
44 **012:** Yes, she is saying that she does not feel any problems or difficulties. But when relatives come,
45 when visitors come, the experience some problems, as they do not know how to use this toilet.
46 **AJG:** And do you give them some instruction, or your husband?
47 **012:** When people, particularly the strangers, come here, as there is another alternative toilet, the use
48 the traditional toilet.
49 **AJG:** So guests generally don't use the [Eco]Toilet?
50 **012:** This is a traditional toilet for that family [indicating the respondent's immediate neighbor].
51 **AJG:** And that is a ring-slab toilet?
52 **012:** That is a traditional toilet, ring-slab.
53 **AJG:** And are these your relatives that live here [and own the aforementioned ring-slab latrine]?
54 **AP:** This is another family. In Bangladesh, as you know, there are some good attitude of the people.
55 So if you want to use some peoples water source, you can use, or their toilet, you can use. So
56 there is no restrictions. Those people e help them.

1 **AJG:** Are they relatives, brother or sister?
2 **012:** Neighbors.
3 **AJG:** Just neighbors. No relation?
4 **012:** Blood relation, of course. Kinship.
5 **AJG:** Oh there is. A kinship relation. Ok.
6
7 **AJG:** Before this system was installed, what were the priorities for your family? Not just related to
8 sanitation?
9 **012:** Actually, she had priority like that toilet [indicating ring-slab owned by neighbor]. But when she
10 found out about this toilet, then she is thinking that it is much better than that toilet. And the
11 priority issue was, with her, the improved sanitation and sustainable sanitation.
12
13 **AJG:** Do you ever use this toilet [indicating the adjacent ring-slab]?
14 **012:** Yes, she used.
15 **AJG:** Does she still, now that she has the EcoToilet?
16 **012:** No. After constructing this [Eco]toilet, she never use.
17 **AJG:** Do you see any advantages to this ring-slab toilet?
18 **012:** She is saying, just before constructing this [Eco]toilet, she could not make any difference between
19 this and that [ring-slab] toilet, although the cost of the [ring-slab] toilet is not less than 40,000
20 taka.
21 **HK:** 14,000 taka.
22 **AP:** 40,000 taka, because this toilet has a septic tank. Around, you can say that it is around 50,000 to
23 60,000 taka.
24 [Note: The above referenced toilet is in fact a ring-slab toilet, without a septic tank. The cost is
25 likely less than 1,000 taka.]
26
27 **AJG:** Does your husband use the toilet even if he only has to urinate?
28 **012:** Yes.
29 **AJG:** Every time.
30 **012:** The same place they use for the toilet and the urinating.
31 **AJG:** So he would not urinate outside?
32 **012:** No.
33
34 **AJG:** Who will make the decision when the compost is ready to be used in your fields?
35 **012:** They will take decision together.
36 **AJG:** You and your husband.
37 **012:** Yes.
38 **AJG:** Will you consult SPACE on the issue?
39 **012:** Oh, actually technical cooperation. She will consult [SPACE unit manager] Asraful.
40
41 **AJG:** Where do you get your drinking water?
42 **012:** Right now they are drinking rainwater supported by a small rainwater harvesting system supported
43 by SPACE. Before this she collected water from a faucet on the way to back you can find. But
44 now they are just collecting rainwater from sky...sky water.
45
46 **AJG:** How do you feel about using excreta, the urine and the feces on your crops? Was that initially
47 difficult for you?
48 **012:** She is saying that for using urines in the crops, at the initial stage they had some hesitations and
49 some disgusting attitudes. But now they are thinking that no, it is not a problem, because they are
50 coming, just benefited from this. Another is they are thinking that it is their own urines, so there is
51 no problems with this, as it is giving more benefit. With respect to feces, they still do not have the
52 process to use, but they are thinking maybe they have some disgusting situation in the initial stage,
53 but may not be, because it will be converted into some other color...dry.
54 **AJG:** What helped you overcome your hesitation to use the urine?
55 **012:** Just one or two times.
56 **AJG:** So maybe one month?

1 **012:** Maybe. Just one or two times.
2 **AJG:** Thank you very much for speaking with me. I'd like to gather some other basic information if I
3 could.

[25:31 : Begin collecting demographic information for interview form]

[27:17 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 009****Interview No.: 013****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	15:17	██████████	Tengra Village Sharsa Upzilla Jessore District Khulna Division
Interview end:	15:50	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
32°C	Cloudy	Very Humid	Hasina

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	35-40	Female Head

Residency Information

Length of Residence in Tengraa:	Length of Residence at Current Location:	Number of Residents in Household:
20	20	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	1

NOTES:

Respondent is mother of Respondent 014

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

HK: [REDACTED]

- 1 **AJG:** Interview 013. What is your name?
2 **013:** [REDACTED]
3
4 **AJG:** Ok. You are the owner of this toilet?
5 **013:** Yes.
6 **AJG:** Who is using this toilet?
7 **013:** Four person.
8 **AJG:** Four persons. Who?
9 **013:** Her husband, her son...
10 **AJG:** Is this her husband or her son?
11 **013:** This is her son. And one younger...seven years old.
12 **AJG:** One child?
13 **013:** Yeah.
14
15 **AJG:** What has your experience with this toilet been so far?
16 **013:** So, her experience is good. First is that she feels comfort using this toilet, because there is no
17 odor. She also use less water for two purpose, hand washing and cleansing. Another thing is that
18 she gets output from this toilet. She uses the urines. Still there is no time for feces compost, so
19 she uses the urines.
20 **AJG:** Where are you using the urine?
21 **013:** On the paddy fields and the trees.
22 **AJG:** The paddy fields here [indicating those adjacent to the home]?
23 **013:** Yeah. [Pause as other family members respond].
24 **AP:** The child and mother are saying the same thing. They are saying that due to the use of the urine in
25 the paddy field, the growth here [in the urine fertilized field] is better than here [in the chemically
26 fertilized or unfertilized field].
27 **HK:** Healthy looking, they say. They can observe that after using the urine, it is healthy looking.
28
29 **AJG:** Why did you decide to install this toilet?
30 **013:** Better health and hygiene purpose. She has mentioned some reason. One is that the bottom of the
31 EcoToilet is concreted, so there is no possibility to go through the wall contamination inside the
32 ground...for ground level. So there is no possibility to contaminate the ground through this
33 pathogen. This is one. Another is that it does not spread smell, odor. No flies are there, so it is
34 good for health. And the conventional toilet is always disgusting in case of cleaning. And she is
35 saying another thing. This toilet needs less water for cleaning, and it does not need for flushing.
36 So there is no need for water for just cleaning the toilet. Also, again, she mentioned that this is
37 more efficient than the conventional toilet for sanitation efficiencies must have...and the reuse of
38 fees of feces and urines in the fields. They have already exemplified that the growth of the paddy
39 field is much better than this chemical fertilizers in this paddy. So those are the reasons that...
40
41 **AJG:** What sort of toilet did you have before this?
42 **013:** Ring-slab. They use ring-slab toilet in the before case. That toilet is totally damaged.
43 **AJG:** Has it been removed?
44 **013:** Yeah.
45 **AJG:** Was it in the same location [as the current EcoToilet]?
46 **013:** Already it is removed. Not in the same location because that toilet was constructed far distance
47 from the house, in the garden. Because that toilet spread smell, some contamination. They though
48 that toilet was not good for their health, so installed faraway.
49 **AJG:** Did the ring-slab toilet have any advantages over the EcoToilet?
50 **013:** She has already mentioned that the EcoToilet is much better than that toilet?

1
2 **AJG:** Has you had any problems using this toilet?
3 **013:** Actually, once me had used this toilet, finding no alternatives in the coastal areas, you know.
4 Actually I am the first man in Bangladesh among the NGO community has introduced this toilet.
5 But when I was using this toilet, just after finishing defecation, I was getting prepared for anal
6 cleansing but on the same place, above the hole. This was the habitual factor.
7 In the beginning they got some problems. They forget jus to move to the backside, so they just use
8 anal cleansing water in the same hole. And they forget to use ashes. So they got some problem.
9 Many flies come to their house, and it was just making a very big disturbance. They immediately
10 contacted Rajul [SPACE field staff] or Najul [SPACE field staff] or Asrafal [SPACE unit
11 manager] then they came up and gave them a solution. So this was the problem. And at the time,
12 they [SPACE staff] told them that this should not be used in this way, and again oriented them to
13 use, and also frequently visited the toilet and check in to see they are using in a better way.
14 **AJG:** What was the solution [for the above mentioned problem]?
15 **013:** At that time they just used more ash and burnt ash.
16 **AJG:** So ash that was still hot?
17 **013:** Yes...not so hot, but more ash they use, but the ash was very hot. So it help in soaking the liquids
18 from the chamber.
19
20 **AJG:** How long before you felt comfortable using the toilet and before the toilet was used correctly
21 every time?
22 **013:** Actually, this is the fact of initial stage. After that they gradually improve the situation, and now
23 they don't feel any problem and now they are very happy and comfortable.
24 **AJG:** How long did it take before you were comfortable?
25 **013:** Just it is three weeks.
26 **AJG:** Two to three weeks?
27 **HK:** Yes, to make the behavioral change.
28 **013:** Oh, actually they are very much careful for using this toilet?
29 **AJG:** Very what?
30 **013:** Very much careful. When the younger children go...goes in the toilet, they also follow. When he
31 is doing.
32 **HK:** Using correctly or not.
33 **AJG:** So, you're seven year old, does he use the toilet by himself?
34 **013:** So he is trained enough. On the first day, he was instructed how to use it, and since then he goes
35 alone and is using it.
36 **AJG:** So he always used it by himself after being instructed?
37 **013:** Yes.
38 **AJG:** So he adjusted very quickly?
39 **013:** Right.
40 **AP:** It is very interesting, Tony. If the children are once directed in a situation or to a situation of they
41 could find some interesting things there, they never forget it. It is our experience.
42
43 **AJG:** Who is responsible for the maintenance of the toilet?
44 **013:** Actually, her husband is just always busy in his business. He goes out from the house very early
45 in the morning and just come back late night...late evening. So he does not have enough time.
46 But sometimes, when he stays home, he does the cleaning, but otherwise he does the cleaning.
47 **AJG:** What is your husbands business?
48 **013:** Jamtola Mysti [a local confection; small balls of sweet dough served in a cold sweet broth].
49 **HK:** That we had just ten minutes back.
50 **AP:** He conducts that, in a stall.
51
52 **AJG:** Have you had to perform any maintenance on the toilet, aside from regular cleaning?
53 **AP:** Sorry, I could not follow?
54 **AJG:** Have they performed any maintenance on the toilet, aside from regular cleaning?
55 **013:** No.
56 **AJG:** How much does the toilet cost you?

1 **013:** 3,200 [BDT] cash. [Pause as respondent continues to speak.] Altogether, their contribution was
2 around 5,000 [BDT].
3 **AJG:** Does this cost more than the ring-slab cost?
4 **013:** She thinks that the cost is more than the ring-slab associated latrine?
5 **AJG:** Is the improved health and sanitation worth the increased cost?
6 **013:** She is saying that the cost involved is more, but it is very beneficial for them....health, sanitation
7 efficiency, environmental aspect.
8 **AJG:** If it were not subsidized, would you be able to build a toilet like this yourself?
9 **013:** Actually she is saying that as this toilet is a better one, so at this moment it was quite difficult to
10 afford the total cost. But as she is oriented for this toilet, wants she could do. Once she could
11 afford the cost, she would do herself.
12
13 **AJG:** Have you spoken to your neighbors about this toilet?
14 **013:** Actually she shares with them. She shares with them and she has shared with them, but they
15 replied no. If we get some extra support like you, then we could do it. Otherwise we could not
16 afford it.
17 **AJG:** So the cost is the biggest factor here?
18 **AP:** One thing is the cost, another thing is the behavioral factor and the motivational issues. Not only
19 the cost.
20 **AJG:** Do most of your neighbors have enough land to build a toilet like this?
21 **013:** She is thinking that no. Because the ring-slab toilet takes more space than this.
22 **AJG:** The ring-slab takes more space?
23 **AP:** If it is offset. You have found one toilet like this...
24 **AJG:** I have seen a few, yeah.
25 **013:** So it takes more spaces than the EcoSan toilet, so her logic is very correct.
26
27 **AJG:** What about the ash you use for the toilet? Where do you get the ash?
28 **013:** Actually she is saying that during dry season, they don't have any problems. But during wet
29 season, ash goes scarce, so she has to collect ash from neighboring houses.
30 **AJG:** Do they usually provide it to you?
31 **013:** Yes, they usually do.
32 **AJG:** And it is free?
33 **013:** Yes. It is usually get free.
34 **AJG:** Where do you get the wood that you burn for the stove?
35 **013:** Actually they use some dry leaves, you know. Off the ground they collect.
36 **AJG:** When the ash is scarce, do you use less ash in the toilet, or do you always use the same amount.
37 **013:** She is very aware of this issue you know. She knows that this amount of ash should be used at a
38 time, otherwise it would cause for spreading odor. So she collects the adequate quantity of ash.
39
40 **AJG:** How do you feel about using the urine and the composted feces in your fields and for your crops?
41 **013:** Actually...at the beginning they got some smell...some bad smell from the urine, and it was a
42 little bit problematic for them. But they consider that if they use the synthetic pesticides,
43 particularly the poison they use for insecticides, they think that the smell is much harder...bad
44 than the urine. So they feel just a little uneasy during the beginning phase, but now they think that
45 it is not a problem for them, and that it is useful.
46 **AJG:** Do your neighbors now what happens with the urine?
47 **013:** They know it.
48 **AJG:** They know, and do they think it is strange?
49 **013:** Yes...you know sugar cane? Sugar cane...they use the urine in the sugar cane field. And sugar
50 cane field is a field [inaudible]...its improvement is significant. So...[pause as respondent
51 continues to speak]. She is saying one person use the urine in the sugar cane field...Do you know
52 sugar cane?
53 **AJG:** Yes of course.
54 **013:** And the growth of the sugar cane is unique. It is long and very healthy.
55 **AJG:** So do the neighbors think it is strange to use the urine for the crops?
56 **013:** Yes.

1 **AJG:** So...they do not have a problem with it?
2 **013:** Jus the things they saw. IT is unique. The internal value or the usefulness of urine is sometimes
3 seen like this. It is not strange.
4 **AJG:** Would a neighbor eat a piece of fruit off one of your trees?
5 **013:** Yes. They also use for the fruit trees or mango trees. The leaf of the tree has become more green
6 and more alive.
7 **AJG:** But would a neighbor eat fruit off of this tree even though it has been fertilized with urine?
8 **013:** They will...those mango trees will be ready next year, and they will eat.
9 **AJG:** Do you find there is any sort of social stigma associated with using this type of fertilizer?
10 **013:** Some people still criticize and say 'what are you doing?'
11 **AJG:** Why are there these attitudes?
12 **013:** Actually, she is saying that people don't like, or have less knowledge and awareness about the
13 EcoToilet.
14 **AJG:** Are most people accepting of this toilet? And although there is some stigma, do you still feel
15 pride regarding this toilet?
16 **013:** She is still very motivated, she is thinking that maybe people can say it because of their ignorance.
17 But it is my toilet, it is a good toilet, it is an improved toilet, so I am very much happy with this
18 toilet.
19
20 **AJG:** Do guests or visitors ever come and use this toilet?
21 **013:** Actually when some guests come, they actually encourage them to use the toilet, but they do not
22 use. They go to another conventional toilet.
23
24 **AJG:** Could we possibly speak with your son before he leaves?
25 **013:** Yes.
26 **AP:** I think it is another dimension if you speak with him.
27 **AJG:** Ok. So just a few more minutes. If I could just collect some very basic information here [before
28 we begin speaking with respondent's son].

[32:06 : Begin collecting demographic information for interview form]

[35:00 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 009****Interview No.: 014****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	15:52	██████████	Tengra Village Sharsa Upzilla Jessore District Khulna Division
Interview end:	16:12	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
32°C	Sunny	Very Humid	Md. Rajul

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	17	No

Residency Information

Length of Residence in Tengraa:	Length of Residence at Current Location:	Number of Residents in Household:
17	17	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	1

NOTES:

Respondent is son of Respondent 013

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

HK: [REDACTED]

-
- 1 **AJG:** So what is your name?
2 **014:** [REDACTED]
3 **AJG:** How old are you?
4 **014:** 17 years.
5 **AJG:** You have lived here your whole life?
6 **014:** He was born here and has been living here.
7
8 **AJG:** What has your experience with this toilet been?
9
10 [Pause in recording; dialogue missing]
11
12 **014:** ...and the reuse of the excreta.
13 **AJG:** You had used the ring-slab before this toilet too?
14 **014:** Actually he is comparing before these two toilets that the ring-slab toilet was odor, and was farther
15 away from their house and was insecure. This toilet has been installed very close to their house
16 so is very secured for the women.
17 **AJG:** Do you have any problems using the toilet?
18 **014:** At the beginning he has some problems. Probably he give some water [into the feces chamber]
19 during anal cleaning. But now he does not have any problems.
20 **AJG:** I noticed you are wearing long pants. Is the toilet difficult to use wearing long pants?
21 **014:** Just when it is tight, he got some problem. Then he just leave it and use some other clothes. Just
22 when he is in need for using this toilet he just wear another cloth.
23 **AJG:** Is urination difficult in this toilet?
24 **014:** No.
25 **AJG:** Every time you urinate, you use this toilet here?
26 **014:** Yes. Every time. [Pause as respondent continues to speak.] He knows the value of urine, so he is
27 not in a position...
28 **AJG:** ...to waste it. Ok. DO you have any chores or responsibilities associated with the toilet?
29 **014:** As his mother does it regularly, so he does not do it.
30 **AJG:** How often does she clean the toilet?
31 **014:** Daily. Usually it is performed daily.
32
33 **AJG:** How much as do you use each time you use the toilet?
34 **AP:** Actually he has got wrong orientation. He use more ash. Actually he uses more ash.
35 **AJG:** He uses a lot of ash? More than is needed you think?
36 **AP:** Yes.
37 **AJG:** How much is that?
38 **014:** Two handfuls.
39 **AJG:** How much does SPACE recommend using?
40 **014:** Only...just the quantity. Just the normal quantity...just the quantity of ash that is suitable to cover
41 the feces.
42
43 **AJG:** Did you help your younger brother learn how to use the toilet?
44 **014:** No.
45
46 **AJG:** When did SPACE begin training you on the toilet's usage?
47 **014:** Just right before starting their use.
48 **AJG:** Just right before you started using the toilet, ok. How much water does the toilet require.
49 **014:** They use just very little water for hand washing and anal cleansing.

1 **AJG:** Less than the ring-slab?
2 **014:** Yes. He says that because it does not need water for flushing and cleaning, so it takes less water
3 than that ring-slab.
4
5 **AJG:** Did your parents discuss the toilet with you before it was installed?
6 **014:** Yes.
7 **AJG:** Did they ask your opinion on the toilet?
8 **014:** Yes.
9 **AJG:** Did you support building this toilet?
10 **014:** Yes. He had been full time with the machine, and he supervised how it is constructed, and if there
11 is a need he just supplied it...supported it. Also we [SPACE] oriented these people how to follow
12 up about the design and quality and some materials to be used for this purpose. So he also
13 monitored this issue in-line with the specification and the materials.
14 **AJG:** What do you think, personally, about the use of the urine and the compost?
15 **014:** He is saying that he feels better using this issue for two purpose. One purpose is that using
16 this...he is saying for two purpose. One is environmental purpose. If it is reused, it is treated and
17 disinfected, and is not harmful for the environment. Also reuse of human feces and urines in crop
18 production, it also help them in reduced use of chemical fertilizer. Sometimes the chemical
19 fertilizer is not good, not pure, with some harmful ingredient. Another thing is he is saying is that
20 if the fertilizer from the market they use, it increase the cost of the food, the production cost.
21 **AJG:** Did you use chemical fertilizers before on the field?
22 **014:** Yes.
23 **AJG:** Do you still use any chemical fertilizer?
24 **014:** He is saying the same thing. They use, but sometimes they didn't feel comfort by using this.
25 Because those are with some [inaudible], which are not beneficial for their [inaudible]...for their
26 system.
27 **AJG:** Do you use less fertilizer now that you have the urine?
28 **014:** Oh...now they are utilizing two things. One is vermi compost, the other is urines. Now they have
29 very little use of chemical fertilizer.
30 **AJG:** Very little chemical fertilizer now?
31 **014:** They are trying to avoid using...just avoid chemical fertilizer.
32
33 **AJG:** Have you had any problems at all, any recurring issues...either a lack of ash or misuse by
34 guests...any problems with the toilet?
35 **014:** They just usually teach the guest, but when they find they experience it they don't use and go to
36 the conventional toilet used by neighboring families.
37 **AJG:** Why do the guests not use [the EcoToilet]? Really the use is not so difficult?
38 **014:** He is saying that some guests are just interested in using. Some are thinking that if I could not use
39 properly, then it could have a problem. So they are thinking they are just used to [conventional
40 toilet operation]. So they just go to another toilet for defecation.
41
42 **AJG:** Is there any way you would change this toilet? Anything you would want to change about the
43 design of this toilet?
44 **014:** At this moment, he is thinking it is ok.
45 **AJG:** Is it ever difficult, as there is just one anal washing bed...it is ever difficult to move from here to
46 here [laterally], rather than just moving back?
47 **014:** Actually he is just saying it is not a problem, as the things are very near. At the initial stage, it got
48 some problems, but now he does not have any problems.
49
50 **AJG:** Can you walk me through, just describe to me how you use the toilet each time?
51 **AP:** He is feeling just a little shy...
52 **AJG:** I understand. If you were going to describe to a guest how to use this toilet, how would you
53 describe it?
54 **AP:** Let's go.
55
56 [Commence practical demonstration; see notes for greater detail]

1
2 **HK:** The first part, just taking water to the toilet. Now the second phase, inside the toilet. So you see
3 the green marking [of the feces port cover, indicating the active feces chamber] so this is the
4 useable. So he removed it. Now he will drop the feces. Now anal wash. So ash bucket is there,
5 so when he is going for anal wash, he will then drop the ashes.
6 **AJG:** And you always put the ash before the anal wash.
7 **014:** Yes. Before the anal wash.
8 **HK:** So then come back, then you see the covering, finally the cover up.
9 **AJG:** So the feces vault is covered before the anal washing?
10 **014:** Yes.
11 **HK:** So the hand wash here. They have the soap here.
12 **AJG:** Do you ever use ash to wash your hands?
13 **014:** So far, soap is available; if there is none, they will use ash.
14 **AJG:** Ok, Rajul...Thank you very much for speaking with me. I appreciate it.

[18:16 : END OF INTERVIEW]

Date: 9/4/2011**Latrine No.: 010****Interview No.: 015****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	16:22	██████████	Tengra Village
Interview end:	17:01	██████████	Sharsa Upzilla
		██████████	Jessore District
		██████████	Khulna Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
32°C	Sunny	Very Humid	Md. Arjjur

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	46	Male Head

Residency Information

Length of Residence in Tengraa:	Length of Residence at Current Location:	Number of Residents in Household:
46	11	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	1

NOTES:

Respondent lives with wife, a 19 year old son and a 6 year old son

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

HK: [REDACTED]

- 1 **AJG:** Interview 015. What is your name?
2 **015:** [REDACTED].
3 **AJG:** [Laughing] That's kind of easy, actually. So I see your EcoSan toilet, of course. Are some of
4 these other toilets [indicating the several off-set pit ring-slab latrines and the pit latrines in the
5 vicinity]?
6 **015:** No. So...only he belongs only the EcoSan toilet with him now.
7 **AJG:** Did you have a ring-slab toilet before this?
8 **015:** The ring-slab he used before constructing this toilet. And that was that one right there.
9
10 **AJG:** What has your experience with this toilet been so far?
11 **015:** So he...His experience is quite distinctive because before constructing it he used the slab toilet,
12 and he found that this is much more comfortable, and basically considering the health situations.
13 So he feels that it is good, and at the same time he is thinking that he is getting the other
14 advantages, the reuse of the feces for the cultivation fields. So considering all of the purposes, he
15 thinks that this is a more comfortable one.
16 **AJG:** What makes this more comfortable?
17 **015:** So he is inspired by seeing these toilets in other families, and he found that it is very comfortable,
18 and then he talked to all of his family members and they all agreed.
19 **AJG:** And what makes it more comfortable? Is it a privacy issue?
20 **015:** Ahhh yes. The privacy and the sense of aristocracy.
21 **AJG:** I'm sorry, the what?
22 **015:** The sense of aristocracy...you know the high ranking sense. He is belonging to this EcoSan toilet.
23 And the health and hygiene issues. And the other beneficial sides of reusing the feces in the
24 cultivation fields.
25
26 **AJG:** Have you experienced any problems with this toilet?
27 **015:** Initially they had a problem. They could observe this huge flies is coming, and the odor is
28 spreading outside. Then immediately they talked to our community workers. Then they came,
29 they investigated and they found that someone has dropped water in the chamber...the feces
30 chamber. Thereby the smell is coming out, and the amount of ashes is not dropped in there. Then
31 according to...our community workers advised they use sufficient ashes and then they find that
32 everything is very suitable.
33 **AJG:** Since that, has the toilet been used correctly every time?
34 **015:** They have taken very special precaution not to have happening the same thing again and again.
35 So after finishing up this, they have already hold a meeting with their family on how to use this
36 toilet. So they are holding an instruction about the using. And the guests, those that are coming
37 from outside to visit his residence, they are sent outside to use the other toilets.
38 **AJG:** So guests are not using this toilet?
39 **015:** They are not using this one. They encourage them to use, but sometimes they find that it may not
40 be comfortable, and they are using there [ring-slab toilet].
41
42 **AJG:** Who is using this toilet now?
43 **015:** So four people, they use this toilet. They are from the same family. Three adults and one
44 children.
45 **AJG:** Three adults and one child, ok.
46 **015:** The child age is six years, and he is quite competent to use this toilet very independently. He was
47 taught very rightly by his parent.
48 **AJG:** Do you find that your family produces enough ash for the toilet?
49 **015:** He is saying, so as the food member is higher in his family, he has no shortfall of ashes. So
50 sufficient ashes he can produce from his family.

1
2 **AJG:** Are you growing vegetables or fruits? I see of course a fruit tree. Do you grow other vegetables?
3 **015:** Yes, this belongs to this gentleman [indicating a large kitchen garden immediately adjacent to the
4 EcoToilet].
5 **AJG:** Ah. Ok. And have you used the feces here yet?
6 **015:** So feces not being used, as it is not decomposed. The duration is not yet finished. He used the
7 urines here.
8 **AJG:** How often does the urine vessel fill?
9 **015:** One time a month.
10 **AJG:** Only one time a month?
11 **015:** Yes, you see the reserve container. It will fill one time a month, then they use it.
12 **AJG:** Have you ever used any chemical fertilizers in your garden?
13 **015:** No, he never used any chemical fertilizers since constructing this toilet.
14 **AJG:** Before constructing this toilet did he use chemical fertilizers?
15 **015:** At that time he could use.
16 **AJG:** Since nothing?
17 **015:** Since nothing.
18 **AJG:** Have you noticed a difference [in the crops]? Are the vegetables better with the hemcial fertilizers
19 or with the urine?
20 **015:** So they, especially the vegetables grow, so they found there is some significant changes, like
21 healthy looking. The rate of production is also quite higher than the chemical used vegetables.
22 They feel that these processes is very much beneficial for them.
23 **AJG:** How much would you spend on chemical fertilizers before every month?
24 **015:** Likely 150 taka per month he has spent to buy the chemical fertilizers for crop production, but
25 now it is not done.
26
27 **AJG:** How much are you spending on this toilet?
28 **015:** He has spent 300 taka on this toilet...sorry 3,000 taka.
29 **AJG:** And was this all cash, or labor?
30 **015:** No he supplied the materials that cost 3,000 taka.
31
32 **AJG:** If I were a guest, and I was to use this toilet for the first time, could you please describe how I
33 should use it. Pleas be very detailed.
34 **015:** So he is saying that whenever the guest is coming, it [the EcoToilet] is at a very close distance to
35 the house, so thereby it is very much noticeable to the guest. They come here, they look at
36 everything and they receive descriptions from him...he describe. Sometimes the guests are very
37 much inspired just to use it. So these are happing.
38 **AJG:** And how would tell a guest to use it, if they were going to use it?
39 **015:** That depends on the category of the guest. So if it is male, then he say it, he demonstrate how to
40 use. If it is female, then his wife does the same role.
41 **AJG:** What would you tell them exactly? Could you share with me how you would instruct a guest?
42 **015:** So guest is guided, if male by him, if female by his wife. They are well guided. They get inside.
43 They notice to the guest, ok, this one you will use. There is an ash bucket, there is an anal wash
44 point, urinating point. Ok, this is the cover you have to remove, and then sit on this hole and do
45 accordingly and then they do. And then after that they investigate whether it is rightly done or
46 not.
47
48 **AJG:** When your son grows up and is married, would you help him build a toilet like this?
49 **015:** Yes, he will encourage his family member just to build like this toilet when they are grown up.
50 **AJG:** Could you do this without the support of an organization like SPACE?
51 **015:** So receiving the good thing, they have a very positiveness [sic] with it, but they are thinking that
52 depends on the affordability. So...and it is quite unpredictable to figure out what the consequence
53 will be happening in the five or six years.
54
55 **AJG:** When was the toilet installed?
56 **015:** Almost six months.

1 **AJG:** Are you using the second feces vault now?
2 **015:** The initial chamber is still running.
3
4 **AJG:** Who is responsible for collecting the urine and fertilizing the plant with the urine?
5 **015:** Especially there...he used to work in the field. So early in the morning he leave the house and is
6 coming back late in the evening. So family members from his family, they are to use this. So
7 with good sharing, they do it.
8
9 **AJG:** Who was the most responsible for making the decision to install the toilet here?
10 **015:** As he is claiming that he is the family head, demand come from him.. He discussed along with his
11 family members and they agreed, then he took the final decision.
12
13 **AJG:** Even though the cost is somewhat expensive, is he pleased with his decision to install the toilet?
14 **015:** He is spending 300 taka [3,000 taka] so still he thinks it is a beneficial one for him.
15
16 **AJG:** What was the single biggest factor...if you could say one reason why you wanted to install this
17 toilet, what was it?
18 **015:** So invented two major points. The first one is the health an hygiene.. The second one is the reuse
19 of feces as replacement of chemical fertilizers, to produce the crops. He learned this information
20 attending a workshop organized by SPACE in these localities. So considering these two major
21 points, he took the decision just to build this...
22 **AJG:** Where was this workshop?
23 **015:** He attended by this time several meetings that was held in Jamtola, and the nearby villages also.
24 [Pause as respondent continues to speak.] So he is saying, he is also mason, you know?
25 So...construction labor. He was hired just to construct this toilet under this project, but in
26 different areas. From there he could realize very clearly the importance of using this EcoSan toilet.
27 It has emphasis on him to take the correct decision.
28 **AJG:** Could you at this point, if the funding was available, build one of these himself? Not financially,
29 but on the technical side, could he build one of these without the help of SPACE?
30 **015:** No he is saying that is somehow possible. [Pause as respondent continues to speak.] He said that
31 looking at it I can see, but the engineering factor, calculating, that would be difficult. You see,
32 there is the engineering factors.
33
34 **AJG:** Is this your neighbors EcoToilet here?
35 **015:** Yes.
36 **AJG:** Which of these toilets was built first?
37 **015:** It [the neighbor's toilet was constructed early.
38 **AJG:** Did you speak with your neighbor about this before you built it?
39 **015:** So this toilet, after it is constructed, has become very much noticeable within the area. So the
40 other household, they came to see it so he shared his experience using it and the importance of this
41 toilet. Thereby, they communicated wit the community workers just to allow them to have this
42 toilet.
43 **AJG:** Who owns these ring-slab latrines around here?
44 **015:** Separate households having a separate household system. [Pause as respondent continues to
45 speak.] Sometimes they use. Actually, they have constructed this one for the guests.
46 **AP:** I am informing them that it should not be here. The toilet should not be there. Maybe someone
47 from the family, maybe someone will use it. [Pause as respondent continues to speak.] Actually
48 he has also mentioned some problems by the guest. The guest has come here, but the guest does
49 not understand the importance of use. So they sometimes use the water for anal cleansing [and it
50 enters the feces chamber]. They have got several times problems with the guests, as the guests is
51 very usually in the village...they have constructed this [ring-slab latrine] for the guest.
52 **AJG:** Does anyone from the immediate family ever use the [ring-slab] toilet?
53 **015:** The family does not use.
54
55 **AP:** Just I am...he is one of the father in law. So I am asking when his daughters and son in law
56 comes, and they usually use it. So I asked him, why not he has donated them an EcoToilet?

1 [Pause as AP continues to speak.] So I am encouraging him to just donate a toilet to his son in
2 law.
3
4 **AJG:** Have you or anyone in your family had any instance of diarrheal illness since the toilet has been
5 installed?
6 **015:** No. [Pause as AP continues to speak.]
7 **AP:** Just I am asking about the privacy and security. Just I am looking at the issue, if I was the man
8 and I was locating this toilet and selecting this site, I would not allocate this toilet, because it is a
9 far distance from your house. It does not have any security. Maybe it has some privacy for the
10 women, but it does not have any security. Security, because if it is midnight, and his wife needs
11 for defecation, then his wife comes alone. And there are so many things that could happen, sexual
12 abuse.
13 **HK:** Other physical instances.
14 **AP:** Physical instances...just a snake. It could bite. [Pause as AP continues to speak.] This is a sort of
15 motivation, you know. This is a sort of motivation I am giving. This is a toilet, this is constructed
16 and installed for them. Not for me, not for my daughter, not for my wife. As because it is a
17 question of their own security, and their own privacy. So this should be care of him. He is an
18 important person for the toilet. He is the construction mason. So if his mindset is that...people
19 always install the conventional toilet far from their house. If the EcoToilet is installed far from the
20 house, then there is no difference between the EcoToilet and conventional toilet. It should be very
21 close to the household.
22 **AJG:** Ok...for security. Just a few more questions.

[37:24 : Begin collecting demographic information]

[39:10 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 011****Interview No.: 016****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	9:12	██████████	Amarak Village
Interview end:	10:01	██████████	Chapainabaganj Upzilla
			Rajshahi District
			Rajshahi Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Partly cloudy	Very Humid	Mafijul

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	43	Male Head

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
12	12	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	2

NOTES:

Respondent is a local imam

Respondent is father of Respondent 017

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

- 1 **AJG:** This is interview 016. What is your name?
2 **016:** [REDACTED]. Before this Mohammed. M-D.
3 **AJG:** Ok. Who is living in these homes?
4 **016:** Five persons.
5 **AJG:** Five persons.
6 **016:** Five persons, three children, and they are two [Mafijul and wife].
7 **AJG:** In both of these two [structures]?
8 **016:** This is the living room and this is the kitchen room.
9 **AJG:** Ok. What are the ages of the three children?
10 **016:** The youngest is seven years. The first one is 13. [Pause as respondent continues to speak.] Oh
11 sorry. The middle is 13, and the oldest is 18.
12
13 **AJG:** Can you tell me the story about how you came to install this EcoSan toilet?
14 **AP:** I am just telling him that he can say the full story.
15 **016:** Actually, the main issue is that he had a homemade latrine, a earth made latrine.
16 **AJG:** I am sorry, a what?
17 **016:** Earth made latrine, you know?
18 **AJG:** No, I don't.
19 **016:** It is a latrine with out a ring and slab.
20 **AJG:** Ok, so just a pit latrine.
21 **016:** Yeah. It is just prepared by them just using some bamboo stick as a slab and it was a direct pit. So
22 each year he has to prepare...in each year own latrine...in each year own latrine. So it was very
23 much troublesome for him.
24 **AJG:** So it was not emptied, it was buried? And he dug a new pit?
25 **016:** It wasn't emptied. It is totally broken in the rainy season. In the rainy season, they have to use the
26 toilet, but in very disgusting situation. So that was one thing. Another thing is that he did not
27 have any information about EcoSan toilet when our worker, Mr. Shahjahan, when he came and
28 shared with him about the EcoSan toilet. And before this, this is a SHEWA-B project area, you
29 know?
30 **AJG:** Yeah.
31 **016:** And one of the conditions of this project...was that this [the former pit latrine] is just an output of
32 the SHEWA-B project.
33 **AJG:** This is an outcome of the SHEWA-B project?
34 **016:** This is... this is under the SHEWA-B project [the former pit latrine], supported by the DFID,
35 DPHE and UNICEF. So we had just a condition with UNICEF that all the projects, all the
36 interested toilets should be under the SHEWA-B projects. So he had some experience with that,
37 traditional, conventional toilets, but it was very disgusting for him. So he thought that probably he
38 will go for an improved situation. So at the time Mr. Shahjahan [SPACE unit manager] came and
39 just directed him and just discussed to him the nature of the EcoSan toilet. This is the first
40 sanitation issue, efficient sanitation. It does not have any negative environmental impact, just
41 pollution impact. So he is motivated.
42 Another thing, he shared, that EcoSan product. EcoSan product means that human feces and urine
43 can be used in farm activities, like plantation. They can also use in the paddy fields. He thought
44 that maybe what they buy, particularly the poison, insecticide from the market that is also very
45 harmful to human health and also has a very bad odor, so that he thinks this is much better than
46 those things. So he became convinced, and when he just constructed this toilet, he found that this
47 is a very good one.
48
49 **AJG:** How long before the toilet was built did you begin speaking with NGO representatives about the
50 toilet?
51 **016:** [Lengthy discussion] Tony. He took two months.

1 **AJG:** Two months to decide?
2 **016:** For decision-making, we are just discussing. He told to our worker please come, and after two
3 weeks, we will decide if we will take it or not. Then they discussed among themselves, and when
4 he come again 'oh our discussion is not finished.' So, this process took around two to three
5 months.
6 **AJG:** What were you discussing? What were the major issues that you discussed?
7 **016:** Tony, the fact was very interesting, you know. They thought first...they didn't know about the
8 design of the toilet, at the very beginning, they only assumed some design some facets of this
9 toilet. But, with the course of time, they thought that there previous latrine, which was not good.
10 And it was spreading some odors, some flies, which was causing for the family incidence of
11 diarrheal diseases, and some other disease, and was sometimes very disgusting. And they were
12 discussing with themselves, in between the husband and wife and also their children. Then
13 sometimes they thought that it was good, and they came to a decision. Again, when they thought
14 that, oh, there is another major factor: If they take this support, then there is a need to reuse the
15 human excreta, the feces and urine. Then many people cam by and said 'do not do this. You are
16 an imam, so you should not do this.' Imam, do you know? Imam is a religious leader of Muslims.
17 **AJG:** Yes, I know.
18 **016:** So there was some barriers created by society, by the community. Then what happened? They
19 thought that, again, discussed amongst themselves. They are just defecating in open places. What
20 about the feces? Where are those going? Then they analyzed and realized those are going in the
21 field. Those are coming back to the foods. Those are coming back to the water. So, if this not
22 going directly to the field, they are just processing it, treating it, disinfecting it, then this is the
23 better idea. They think 'no, no, this is the better idea.
24 Then they became convinced after three months. Very interesting.
25 **AJG:** Very interesting. And who was the primary driver of this decision? Was there anyone in the
26 family that really pushed for installing this toilet?
27 **016:** His wife and their girl.
28 **AJG:** Their daughter? Their eldest child?
29 **016:** No, it is a good one. As because we are going out of the house at the nighttime, so we don't have
30 any good security. So if it is inside of the house, then it is a very secure place. It will give us our
31 privacy. So please do it. We will see the next decision. So my wife, and daughters and children
32 are saying. So maybe the society, in adverse, but we install [regardless].
33
34 **AJG:** Was the cost of the toilet a large consideration.
35 **016:** Altogether, this is 17,300 [BDT]?
36 **AJG:** And what was the cost sharing?
37 **016:** 3,500 [BDT].
38 **AJG:** And this was both labor and cash?
39 **016:** They...just monitor the construction, but hey did not have any involvement for labor or materials.
40 Only 3,500 contributed [as cash].
41 **AJG:** Was this 3,500 taka a hardship? A burden?
42 **016:** Actually, that money was just spent for brick purchasing.
43
44 **AJG:** With regards to the fertilizer, you mentioned that members of the community had expressed that
45 this was an unpopular idea. What sort of things did members of the community say about this?
46 **016:** Actually, the villagers, the other community people, told in a way...these are very dirty things.
47 This is *goo*. Do you know *goo*?
48 **AJG:** No.
49 **016:** Goo is the name of human feces...this is a very disgusting name. In our culture, if say 'hey this is
50 goo', then the people will laugh. And this is a laugh of ...what should I say... this is a negative
51 laugh. So how do you use this issue? These are very dirty things. How is it possible to reuse in
52 the field?
53 [Pause as respondent continues to speak.]
54 And this is the credit of the community worker [REDACTED] of SPACE], he told that
55 no, as [REDACTED] has told that it will be a good thing, a better thing, it will be better than just
56 chemical fertilizer. He thinks, if it is a problem, I will ask the SPACE people. This is because of

1 the rapport building between the SPACE workers and the households. So he has a very good
2 confidence, more than the community people.

3 **AJG:** Did the same attitudes persist with regards to the reuse of urine, or just the reuse of the feces?
4 **016:** Oh. The urine was more. Goo...its ok. This is a solid thing. No problems. But what about the
5 urine? Do you know, the Bangla name of urine?
6 **AJG:** No.
7 **016:** The Bangla name of urine is moot. Goo / moot. Goo is feces, moot is urine. So you should not
8 use this in the paddy field or any productive activities. So these are the things that are coming
9 from the community.
10 **AJG:** So there was a greater negative response with regards to the reuse of the urine?
11 **016:** Yes.
12 **AJG:** Why?
13 **016:** These are dirty and sometimes...
14 [Pause as respondent continues to speak].
15 He had a very good example. The reason...they are thinking this is a very dirty thing, the moot.
16 What is moot?
17 **AJG:** Urine.
18 **016:** It is a very dirty thing. 'Why are you going to use this issue?' Goo, it is ok. It is a solid thing.
19 When it is dry it become very small. But urine, why? These are the questions made by the
20 people. Then he just mentioned very strong example, you know. If you just buy some insecticide
21 from the market, some Endin, an insecticide, a poison. If you buy with a huge amount of money,
22 and take like this [gesturing as if he has inhaled deeply above the insecticide] then it would be
23 very harmful, and maybe you can have very vomiting tendency, and maybe you are just vomiting.
24 But goo, no problems. So these are the example, and he has proved through his logic that it is a
25 good one. Better than the insecticide or the pesticide. And he use the urine on this tree, and on
26 this tree.
27 **AJG:** You have used the urine on this tree?
28 **016:** Yeah. And on this tree, and on this tree.
29 **AJG:** And the puishak [vegetable] as well?
30 **016:** Yes the puishak also, but not at the beginning. At the beginning he did not have the puishak.
31 Then he found that, and people found that it is growing very good. And its leaf is very green.
32 And it is growing very rapidly. And it is giving some more fruit than previous years. And some
33 people become motivated, and think that it is a good thing.
34 **AJG:** I see.
35 **016:** And this gentleman is saying that he had just a wood fruit...you know?
36 **AJG:** Wood fruit? I don't?
37 **016:** I will show you. That tree was dying, so having assistance from Shahjahan, he used some urines.
38 At this moment, he is saying that this tree is very good. Some people are looking at the effects of
39 the urine. They are becoming happy now, and thinking not only six or seven toilet. More support
40 should be here. Now the people are becoming very convinced
41 **AJG:** Was this the first toilet in the community?
42 **016:** No, there was another.
43 **AJG:** So this was the second?
44 **016:** Yes, this was the second.
45 [Note: subsequent interviews clarified the time line of toilet installation in Amarak. Latrine 011
46 was the third toilet installed in the village.]
47 Because he is a religious leader. Because he build it first, there might be many barriers from the
48 community people. That was the first, this was the second.
49 **AJG:** Have you noticed any changes in the attitudes of the community people?
50 **016:** At this moment, many people are becoming convinced, and ask daily, as he is a community and
51 religious leader. And he is also a community leader, and he is a source of support. And at this
52 moment, these two women have come...these three women have come to have this source of
53 support [gesturing towards a small group of women who have entered the respondent's home].
54
55 **AJG:** Have you experienced any problems with the toilet at all? Anything that is difficult to use? Or
56 any recurring problems with the toilet?

1 **016:** Actually, relating to use, operation and maintenance they have not faced any problem. But one
2 problem they faced, they faced during the rainy season. They noticed there was some water inside
3 of that...
4 **AJG:** Inside of the feces chamber?
5 **016:** The feces chamber...then it was spreading some odor. Then they identified that in the heat panel
6 there was a small gap, and they found that it was the reason for entering some rain. Now it is ok.
7 They immediately fixed it by themselves.
8 **AJG:** How did you address this issue? How did you fix this problem?
9 **016:** Ok. At the time they got some bad smell and some flies, experienced some flies, and it was a big
10 problem. Because they become...this is a very good toilet, and why is it spreading a bad smell?
11 And found there is water. And they also identified the results for watering inside of the chamber,
12 and now it is ok.
13 **AJG:** Did you consult with SPACE [unit manager]?
14 **016:** Actually, the first time, they could not understand, and they immediately called him and consulted
15 the issue he checked the issue, and showed that there is a problem.
16
17 **AP:** Just he [respondent] has some work to do outside.
18 **AJG:** Whenever you must go, of course, please.
19 **AP:** I am saying it will take maximum 20 minutes to finish. I have shared to him, it may take another
20 10 minutes, maximum 30 minutes. He has agreed.
21
22 **AJG:** Where do you get the ash you use for the toilet?
23 **016:** Tony, it is interesting that they produce the required ash.
24 **AJG:** From cooking? I see the improved cook stove.
25 [Pause as AP takes phone call]
26 **AJG:** So you have never had a problem supplying enough ash?
27 **016:** No, even the rainy season, they didn't have any problem with ash.
28 **AJG:** What do you burn as fuel in your stove.
29 **AP:** Actually, they are doing something wrong. Wrong is that they use cow dung.
30 **AJG:** So they burn the cow dung, then the ash from the cow dung is used [EcoToilet]?
31 **016:** Yeah.
32
33 **AJG:** Do you ever have guests come and use the toilet? Does anyone outside of your immediate family
34 ever use the toilet?
35 **016:** The guest frequently come here...Frequently come. Before coming....When the guest come, he
36 impart them an orientation, how to use the toilet. Not just when they are going. He assume that as
37 the guest will be one day or two days, maybe he or she needs to visit the toilet. So before
38 assuming this issue, he offer them orientation.
39 **AJG:** Is it a spoken orientation, or do you actually show them [how to use the toilet]?
40 **016:** Practical orientation.
41 **AJG:** Could you show me how [you would orient a guest to the toilet's use]?
42 [Begin practical demonstration of toilet usage.]
43
44 **AP:** So he orients in this way, that he should bow here. Of course, she or he needs to shut the door first
45 [laughing]. Without shutting of the door, he should not use...
46 **AJG:** [laughing] I understand, but it is important for this demonstration.
47 **AP:** Tony, he or she should sit in a way that the feces go directly in here, and the urines come here.
48 When he finish, she will or he will throw some ashes which is suitable to cover the feces...the new
49 feces. After covering the feces, he should go there, or she should go there and anal wash. Before
50 anal wash, of course, the hole should be covered so no water is going [into the feces chamber].
51 When it is finished, he will or she will go here, here is the soap.
52 [Demonstration of hand washing]
53 [Respondent washes only left hand, the hand used for anal washing]
54 What I could understand, this is the wrong practice. He demonstrated, but not fully. This is the
55 right way...
56 **AJG:** Yeah, both hands.

1 **AP:** Yes, both hands. This is the right way. I think it is a very successful thing. We are just very
2 much happy. It is very difficult for the people, they can wash hands, but they cannot wash hands
3 properly or hygienically. Just they are...the practice of hand washing, they will just take the soap
4 first, and just using right hand they will open the tap just a quarter, the [demonstrates proper hand
5 washing technique]...this is the way. The leader was in the wrong direction...he washed only one
6 hand.
7 **AJG:** [laughing] Well, he didn't really use the toilet, so it is forgivable.
8 **AP:** The demonstration was done properly by the women, and by the children.
9
10 **AJG:** And after guests...after you teach the guests how to use the toilet, and they use the toilet, do you
11 think they use it correctly?
12 **016:** Yes. Just, not the first time.
13 **AJG:** The first time guests use it, they have trouble?
14 **016:** Yeah. They have trouble. They have trouble in this way that I shared you u the first time. They
15 psychologically have become bound to dispose of water in the hole...for anal cleaning.
16 **AJG:** What do you do if you find the toilet has been used improperly?
17 **016:** Just after two, three times...after two times, after three times, they are using properly.
18 **AJG:** After a guest uses it improperly the first time, what do you do?
19 **016:** So, he first checked and when he checked he found that have already done an thrown some water
20 inside of that he chamber. Then he called him or her and say that it should not be. So if it occurs,
21 take more burnt ash, and give inside, then it would soak, and again reoriented. He never show any
22 negative behavior, or misbehavior.
23
24 **AJG:** Do you use the toilet very time you have to relieve yourself?
25 **016:** When he stays at home he usually use it.
26 **AJG:** Usually?
27 **016:** Yes, but as he is the only earning person of this family, so when he goes out, and just needs for
28 defecation, then he use the normal toilet. Just suppose he is in Chapainababganj, it is 12 km away,
29 so for defecation or urination he cannot. So when he stays in this house, or nearby this house, he
30 comes.
31 **AJG:** If you only have to urinate, do you use this toilet?
32 **016:** Yes, for the urination, they also use this toilet. [Pause as respondent continues to speak.] He is
33 saying for two reason. One is the liquid gold, do you know? This is because of liquid gold. The
34 other is this is the result of behavioral change. Now they are just mentally and psychologically
35 **AJG:** Liquid gold? Yeah, I understand.
36 **016:** This is because of liquid gold. The other is that this is the result of behavioral change. Now they
37 are just mentally and psychologically adopted for urination in this toilet. He is mentally
38 obligated...psychologically obligated to use this toilet.
39
40 **AJG:** How long did this behavioral change take, where he was comfortable using this toilet?
41 **016:** As he was psychologically convinced from the very beginning, for the first one week, he got some
42 indecision, whether it should be...it was a little [inaudible]. But after just one week it was
43 organized. And, just for the obligatory situation, just changing behavior, it takes around one or
44 one and a half months.
45
46 **AJG:** Thank you very much for taking your time. Just a few more quick questions.

[47:11 : Begin collecting demographic information]

[48:39 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 011****Interview No.: 017****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	10:09	██████████	Amarak Village
Interview end:	10:38	██████████	Chapainabaganj Upzilla
			Rajshahi District
			Rajshahi Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Partly cloudy	Very Humid	Karima

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	19	No

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
12	12	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	2

NOTES:

Respondent is daughter of Respondent 016

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

- 1 **AJG:** Interview 017... [REDACTED]
2 **017:** Yes. [REDACTED].
3 **AJG:** Do you mind if I ask some questions about your toilet?
4 **017:** No...She has agreed. You can ask some questions.
5
6 **AJG:** Before this toilet was installed, did you want this toilet? When you spoke with your mother and
7 father, was this something you were an advocate for?
8 **017:** Tony, it is very interesting. Interesting is that at the initial stage, when her father talk with her,
9 then she thought that, 'How?' She became very surprised and astonished. 'How is it possible?
10 Toilet is toilet. It is a latrine. So why is there need to use excreta, feces and urine? No, it is not
11 good.' She has reacted first. But, some demonstration, some picture of the EcoToilet. And when
12 our worker, Mr. Shahjahan, he could understand the people, make understand the people, these is
13 this things, this is used in this way, and this way, and this way, and this is the benefit. And this is
14 the characteristic of this toilet. Then she thought, 'Oh, this is good'. Then she told her father you
15 can take it, you can go for it.
16
17 **AJG:** What aspects of the toilet were you most excited about? What was the best part for you?
18 **017:** Tony, it is very interesting. Interesting is that, the previous toilet was installed outside of the
19 house, so it was not secure for them, the women. They could not maintain their privacy.
20 [Pause as AP takes telephone call.]
21 **AJG:** Ok, so we were talking about the security and privacy offered by this toilet.
22 [Pause as AP takes telephone call.]
23 **AJG:** So again, we were speaking about the privacy and security.
24 **017:** Ok, so she was saying that the two or three major things that she identify, that these are the very
25 excellent issue of this toilet. One is that the security and privacy that this toilet is ensuring, this is
26 one. Another thing is that it does not spread any odor or transmit any disease. This is one thing,
27 that she wants to mention that the sanitation efficiency of this toilet is too high. She is saying that
28 [Pause as respondent continues to speak.]
29 Yes. She is saying that reuse. Reuse of human feces and excreta makes them to grow vegetables
30 nearby to their household, which contributes in supplying good and chemical free foods. These are
31 the three or four major things that are the excellent characteristics of the toilet.
32
33 **AJG:** Do you find this toilet is good for women's hygiene?
34 **AP:** Actually, she is feeling shy. Because, still these things are very hidden in the rural area.
35 **AJG:** Excuse me.
36 **AP:** She is feeling shy, but she manage it. She manage it efficiently. This is another issues, that is a
37 significant things, that women are getting all facilities and access through this toilet.
38
39 **AJG:** Overall, are you happy with the toilet?
40 **017:** Yes.
41 **AJG:** Have you personally experienced any problems using the toilet?
42 **017:** She was very well oriented of this toilet. At the beginning, she got some uneasy, because of the
43 previous habitual factor, but after two or three days she does not have any problem.
44 **AJG:** Do you perform any regular maintenance or clean the toilet?
45 **017:** Just her mother and she, herself.
46 **AJG:** Always clean [the toilet]?
47 **017:** Yes.
48 **AJG:** Do you find the cleaning is easy or difficult?
49 **017:** She is saying that it is easier than the conventional toilet. And she is saying, another thing, that
50 the person who is using the toilet, just the person who is using, at the time of using, he also clean

1 the toilet. So its operation, maintenance and cleaning is very easy, and much easier than other
2 toilets.
3
4 **AJG:** Does your family own these rice paddies, or work in these rice paddies here.
5 **017:** At this moment, they don't have. They have only this vegetable garden and fruit trees here.
6 **AJG:** What is the primary income of your family?
7 **017:** Actually, they have two sources of income. The first source is that her mother works, some
8 tailoring work?
9 **AJG:** Sorry?
10 **017:** Tailoring, sewing. Her father also involved in doing some Imam work, you know.
11
12 **AJG:** Is this toilet something you are proud of?
13 **AP:** Oh, another thing that she has mentioned that I forgot...because of the policeman [who AP had
14 received a telephone call from earlier in the interview]. It was just another...she feels proud,
15 because many of the people come to see it...experience it...and thanks them for the construction
16 of this toilet. Now she and her family also feels proud of this, and thought that it has enhanced
17 their social status.
18 **AJG:** So it is a matter of pride. Do you ever feel embarrassed about using the urine on your trees?
19 **017:** She is saying that, no. No, because now the color has been changed.
20 **AJG:** The color of the...?
21 **017:** The feces. It is converted into other colors, so it is not a problem.
22 **AJG:** What about the urine?
23 **017:** And urine. No it is not a problem, because at the beginning we got some embarrassed, but now it
24 is not an embarrassing thing because it is our urine, and it is better than insecticides.
25
26 **AJG:** Have you ever spoken to your friends about this toilet?
27 **017:** Actually, she shares with her friends, with the neighbors and also with some other relatives. They
28 are saying that this is a very good toilet, but its cost is a little higher. So there would be two
29 things. One thing is that the cost should be reduced, but as they are very poor people...these
30 people are very poor people. They are the shifted people from the river erosion. All the people,
31 they don't have any land just for the cultivation...so they are almost the manual labor...they are
32 hand to mouth people. So they are saying that this is a very good toilet. This family has
33 enhanced their income because they don't have any medical treatment cost, they don't have any
34 medical treatment. That is significantly reduced. Before this they got several problems, health
35 problems by incidence of diarrheas and some other disease, and now they don't have this. And
36 they didn't have nutrient foods before. Now they are getting nutrient foods, like puishak, you
37 know. Like some other food. Like this tree...this is a fruit tree. This grows many vitamin C.
38
39 **AP:** Do you have any more questions? She has to go.
40 **AJG:** If she must go, I understand.
41 **017:** Two minute, three minute.
42 **AJG:** Ok. Have any of your friends ever commented that using the urine or feces is disgusting in any
43 way?
44 **017:** Before just having knowledge, they got some problems. But when they could understand, just by
45 her dissemination, now they are most convinced that it is very good.
46 **AJG:** Since this toilet has been installed, there has been not incidence of diarrheal illness?
47 **017:** No.
48 **AJG:** Before the toilet was installed, how often would the family experience incidence of diarrheal
49 illness?
50 **017:** Regular. Regular, you know? It increases...it increase during the rainy season.
51 **AJG:** How old are you?

[19:08 : Begin collecting demographic information]

[19:23 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 012****Interview No.: 018****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:02	██████████	Amarak Village
Interview end:	12:12	██████████	Chapainababganj Upzilla
			Rajshahi District
			Rajshahi Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Mostly cloudy	Very Humid	Sufia

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	55	Female Head

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
12	12	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	1

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** May I ask you some questions about your toilet?
2 **018:** Yes.
3 **AJG:** Ok. Good. What is your name?
4 **018:** [REDACTED]
5
6 **AJG:** Can you tell me the story of how you came to have this toilet here?
7 **AP:** Very interesting. She is speaking about the very initial story. Not this man, another two men from
8 SPACE, one is Salam [Abdus Salam, SPACE Program coordinator], you probably met him...had
9 a meeting with him while I was in Sweden.
10 **AJG:** I don't think I met him actually...I met Zillur, Abdus...
11 **AP:** Yes. He was Mr. Salam. He is our program coordinator. Probably he had a meeting with you
12 because today I was informed by him that he met you and that he also asked about you, and how
13 are you and how you feel. Whether you are sick or ok. I told him you were ok.
14 **018:** He [Mr. Abdus Salam of SPACE] first came to this village for select this village. It was an
15 instruction by the UNICEF, please select first, then we select this village, and we discussed first
16 with them, and they held a meeting. They told [the villagers] at the time about the EcoToilet.
17 They [the villagers] asked them what the nature, what is the benefit, and what is the difference of
18 this toilet, in between the conventional and this toilet. Then they showed some picture of this
19 toilet, and some characteristic of this toilet regarding the cost sharing and some other issues. Then
20 she became not very convinced, but when she heard that this is a sustainable, part of sustainable
21 sanitation because this toilet will be running a minimum 12 - 15 years, so she began to think it is a
22 very good solution.
23 Another thing is that it does not cause for environmental pollution, transmitting the diseases. Then
24 they told that human excreta could be treated through this toilet, and it could be used in the
25 productive, particularly in the kitchen garden and small farming. Then she became first very
26 much persuaded... 'What is it possible?' Then they just explained that way and the benefit and
27 the difference between the chemical fertilizer and this fertilizer. Then she became very much
28 convinced, then when the cost sharing issue she became disappointed. 'We are very poor people,
29 how is this possible?' Then they told her the process, and she agreed, 'Ok, I can share the 3,500
30 taka,' it is about 20 - 25%. This was just another game.
31 Then they transferred another issue. This was menstrual management. This was a very big issue
32 for them, for the women, a hidden issue. They always suffer from various diseases due to the
33 unhygienic menstrual management. They told her that this is a suitable toilet, that can assure for
34 you hygienic menstrual management. Then she thought, and decided with her family that it is a
35 good way for sustainable sanitation, as well as productive sanitation. So she became agreed for
36 installing this toilet.
37
38 **AJG:** Who are the members of your family here?
39 **018:** Altogether six persons.
40 **AJG:** Six persons.
41 **018:** The six persons is that the [inaudible]. Ok...altogether this is five. All are adult, no children. The
42 children is on the way to come out.
43 **AJG:** Who are the five?
44 **018:** Her two children, her two adult children. One's wife, and they are two [respondent and her
45 husband]. So altogether this is five.
46 **AJG:** Did you discuss the installation of the toilet with the entire family?
47 **018:** Then...she first discuss with the husband, and her husband say, 'No, if you think it is a better
48 toilet, and the children and the children's wife, if they think it is a better toilet, then I don't have
49 any problem.' She could not have any problem with that family. But the neighbors thought, 'Oh
50 no, what are you going to do...it is not a good toilet, it is probably very bad.' But she thought,

1 ‘We have many losses in our life, so if this is a loss, I can invest in this, we will do it, and we will
2 finally see what will happen.’ So, just avoiding the negative comments of the neighbors, she
3 established and installed this toilet.
4

5 **AJG:** Were there other EcoSan toilets in this village before this toilet?
6 **018:** No. This was the first. And that was the second.
7 [Note: The actual time line for installation of EcoToilets in Amarak was established in Interview
8 020. Latrine 012, the subject of this interview, was actually the second EcoToilet constructed in
9 the village.]
10 **AJG:** How long did the decision take?
11 **018:** Ok. She told that it was a continuous process, discussing, discussing, discussing, many people are
12 saying...but she was very much committed. Many people, her relatives also come up to her to
13 motivate her negatively...No she is committed. ‘As I have proposed, and committed that I will
14 install this toilet, I will install. If I die for this toilet, I will die.’ Vey committed, you know?
15 **AJG:** So the decision was very quick for her?
16 **018:** The decision for her was very quick, but convincing the other people for her took around six
17 months.
18 **AJG:** So the decision took about six months total.
19 **018:** Tony, she is just sharing another important issue. She is saying that when I use urines to the plants
20 and the vegetable gardens, many people negatively laughed, ‘Oh, What are you doing?’ But when
21 they find the effect of the urine, they are thinking ‘It is astonishing, it is a very good decision.’
22 She has not only taken, not only the EcoToilet, she has also seek support from SPACE for the
23 vermi compost, and also some cooking stove. Because she thinks that this toilet is contributing
24 much for the environmental sanitation. But the indoor sanitation, and to prevent indoor pollution,
25 she is thinking that the improved stove, or the smokeless stove is also very important. And
26 another thing is that the process of just removing the treated fertilizer from feces, it takes a long
27 time. So they should give just some fertilizer at the bottom...the roots of the plants. So she has
28 taken the vermi compost. If she find out these are the things...these are the waste, she could
29 organize, it is composted, and it can be converted to very valuable fertilizer, and she is producing
30 this.
31

32 **AJG:** Are you proud of this toilet, being the first in the cluster to have the toilet?
33 **018:** She feels proud. She feels proud. Not only she, but her family members. Because many people
34 come from other villages, as they work in the field, they come to see this toilet. At the time she
35 feels that ... she just describes them about the toilet. She shares the benefits of the toilet. At the
36 time of sharing the benefits, she thinks that her knowledge has been increased, to share the people.
37 to motivate the people for this toilet. She is thinking this is a very good orientations she can
38 provide for these people. So she is thinking that it has increased her social acceptance. And also
39 she feels proud for this.
40

41 **AJG:** Have you felt any social stigma associated with this toilet?
42 **018:** She has described the first...[Pause as respondent continues to speak.] What is goo?
43 **AJG:** Goo is human feces.
44 **018:** So many people come and they criticized them, ‘How is it possible to touch, it is goo and the
45 urine, it is moot. A goo/moot.’ Do you know goo/moot?
46 **AJG:** Yeah I know.
47 **018:** Goo/moot. Moot is urines. They just share, ‘Is it possible to touch them?’ So many social stigma.
48 But there are no obstacles, or no threats for them, but there is some criticize for them.
49 **AJG:** Do you find now that the use for the EcoSan products is accepted in the village here?
50 **018:** Another interesting, you know? When the people have observed, and want the benefits from the
51 utilization of the urines and the casing compost...casing compost is the vermi compost. So, they
52 now, the people are becoming more interested and pressuring, ‘As you have taken this toilet,
53 please, as you have a toilet, please advocate for us to have this toilet.’
54 [Pause as respondent continues to speak.]
55 Oh...interesting is that at the beginning, she has again come back...have gone back to her first
56 initial story. Initial story that many people initially deposited their money as cost sharing money.

1 But after a few days they thought, 'No I should not install this toilet,' and they have taken back the
2 money. But she...at the initial stage it was not possible for he to pay the money at the time. So
3 SACE had given her some time...three four months. And over this three [or] four months, they
4 have saved this money for the cost sharing.
5

6 **AJG:** Have you experienced any difficulty using this toilet at all?
7 **018:** Just at the first two, three days. Just a maximum seven days as it was not habituated. Then she
8 got some confusion...what should be done now. Then she feel some puzzling situation. But now
9 it is ok.
10 [Pause as respondent continues to speak.]
11 And she is saying they are used to install the toilet at a big distance from her house. And when
12 she was installing this toilet very near, convinced by the SPACE worker, some people told her,
13 'Oh that toilet is very near, why are you just installing this toilet at this near place?' She thinks let
14 me see this experience. Now she is thinking they don't feel any problem, rather they feel very
15 secure, feel very privacy and also fee very comfort using this toilet.
16

17 **AJG:** What do you like most about this toilet?
18 **018:** She is saying...some interesting. First it is very close...does not have any odor. It is secured. It
19 is very comfortable. And inside of the toilet there are some system, neat and cleanliness. And also
20 the tiles, t they feel it is very difference. And reuse f excreta for the productive activities. And
21 also the design of the toilet. And another thing, it was a big crisis for them, was menstrual
22 hygiene.
23 **AJG:** What toilet did you have before this?
24 **018:** Just homemade.
25 **AJG:** A pit latrine?
26 **018:** Yes.
27 **AJG:** This is better than the pit latrine, yes?
28 **018:** She is saying that now it is very, very good. Really it is better than their previous toilet?
29 **AJG:** Where do you acquire the ash that you use for eth toilet?
30 **018:** They produce for themselves.
31 **AJG:** In their cooking stove?
32

33 **AP:** I will send this picture to your wife, and also to Tony. I say, this is Tony, and this is Mrs. Tony.
34

35 **AJG:** So is there ever a shortage of ash?
36 **018:** She doesn't need.
37 **AJG:** Always sufficient ash.
38 **018:** She produces from her cook stove.
39 **AJG:** What do you use as fuel in the cook stove?
40 **018:** Cow dung, sometimes the rice husks, and some times they collect some fuel from the trees.
41 Sometime the dry leaves.
42

43 **AJG:** Where are you using the urine?
44 **018:** She is inviting to see.
45 **AJG:** So puishak?
46 **018:** This is not puishak; this is pumpkin.
47 **AJG:** Have you noticed that this plant is improved with the urine?
48 **018:** She thinks that all the things...
49 [Pause as respondent continues to speak.]
50 Very interesting experience, you know. She says that the taste of the vegetable is different.
51 Different is that if she [does not] use the chemical fertilizer, the leaf is also eatable.
52 **AJG:** The leaf is edible?
53 **018:** Yes, edible, as *shak*. A vegetable leaf. It tastes just a little bitter. And now it is very tasty. And
54 this is a different fruit, I don't know. This is a very bitter fruit. Before this, it gives maximum one
55 kg, no e it is five kg.
56 **AJG:** So increased yield.

1 **018:** Increased. And the taste is very different.
2 **AJG:** So before this toilet was installed, you were using chemical fertilizer.
3 **018:** No, she does not use.
4 **AJG:** But before the toilet was installed?
5 **018:** Before this toilet, she used.
6 **AJG:** And now, no chemical fertilizers.
7 **018:** She is saying that she has a garden, and she never...she used before this garden, but now she does
8 not use and she has a commitment that she will not sue.
9
10 [Walking to see larger kitchen garden.]
11
12 **MK:** This is vermi compost.
13 **AJG:** Good. So there is another kitchen garden over here?
14 **018:** Yes.
15 **AJG:** [Entering the large, fenced kitchen garden] Oh, very nice. So you are using the urine here as well?
16 **AP:** Casamorish? You know?
17 **AJG:** No.
18 **AP:** Casamorish. I have told you, this is the green chili.
19 [Pause as respondent continues to speak.]
20 [Pointing to a small amount of granular chemical fertilizer atop a recently planted vegetable plant]
21 Actually, she did not agree to use this chemical fertilizer, because her...just her son, he collected
22 one handful and just [spread it in the area]. And she does not agree.
23 **AJG:** But you are using the urine on the rest of the garden?
24 **018:** Yes. And she also use it there [indicating the squash plant discussed earlier in the interview].
25 **AJG:** Can you describe to me how you use the urine?
26 **018:** one to five...five parts water, one part urine...mix and use it.
27 **AJG:** How often are you able to use the urine fertilizer?
28 **018:** she says seven to ten days.
29 **AJG:** Every seven to ten days.
30 **018:** Once in a week.
31 **AJG:** Do you continually apply the urine all the way up until the time when you harvest?
32 **018:** Yes.
33
34 **AJG:** Have you used any of the fecal compost yet?
35 **018:** She says that it is not ready.
36 **AJG:** When will it be ready?
37 **018:** Six more months. [Pause as respondent continues to speak.] This is new construction. So after six
38 month they produce the feces fertilizer.
39 **AJG:** Can you describe to me how you will use the feces fertilizer?
40 **018:** She says when it is open, and it is dry. Dry and mix with ash, then use it here.
41 **AJG:** When you remove the compost from the chamber, will it be dry then?
42 **018:** She say, when the pot is full, then the cover is removed, and opened...then it is dry in the sun
43 shine. Then they use here in this garden, and on other fruit trees.
44 **AJG:** Ok. Perhaps we can go back and sit?
45 **MK:** This is jackfruit tree. This is mango tree, they use here...urine.
46 **AJG:** There is enough urine that each plant is fertilized with urine each time?
47 **018:** Yeah. The urine is sufficient.
48 **MK:** SPACE worker oriented them how to use...and they use it like at the orientation.
49 **AP:** Actually, they are farming since a long time, so they have some experience about urine application
50 and about application of the fertilizers. So she said that these are the trees. This is a lemon tree,
51 and it has a different tolerance capacity, and this tree has a different tolerance capacity, and this
52 mango tree has a different tolerance capacity. Can you remember the [inaudible]?
53 **AJG:** No.
54 **018:** The jackfruit. This is the jackfruit here. The tolerance capacity of that tree and this tree here is
55 almost the same, so they apply the same quantity of urine. But this is the papaya tree, and this is

1 the mango tree, it has the same capacity, but the papaya tree has less capacity, so they apply less to
2 the papaya tree. But the mixture of water and urine is the same. It is one is to five.

3 **AJG:** What kind of tree is this here?

4 **018:** This is also a tree...sometimes it gives some oil. [Pause as respondent continues to speak.] I don't
5 know the botanical name, but this is the *belna* tree. The *belna* tree is sometimes treated as...this is
6 unnecessary. But she keeps as this treats as some medicines. Medicine tree...herbal tree. If you
7 have some pain here...

8 **AJG:** Just rub the leaf, I see

9 **018:** Yeah. She says that everything is essential.

10 **AP:** So, I am very impressed with some issue, in the sense that...

11

12 **AJG:** I think it is a very impressive garden. Do you ever purchase vegetables at market, or do you grow
13 everything you eat here?

14 **AP:** Before this, I am just very much interested, she is just growing some casamorish seeds...this is the
15 red leaf...this is casamorish, you can taste it. But it is very hot.

16 **AJG:** It is very hot. I wish I hadn't eaten it.

17 **AP:** Do you want to take some water?

18 **AJG:** No, I'll be ok. The flavor is very good though.

19 **AP:** Yes, and it is full with vitamin C. I had shared with you the story, of a friend from the
20 Netherlands...

21 **AJG:** Yes, whose heart issue....

22 **018:** Yes, he takes every day one chili with his foods. Every day. Three times, and he didn't have hair,
23 like me. I have some hair, but he didn't have any. What I am saying, she is just planting here
24 some [inaudible] it is very useful for the family members...and here is the puishak, and here is the
25 lemon. I think this is turmeric, this [inaudible], this is papaya. This papaya she can use for two
26 purposes. One is ripen, the other, they can use as curry. She produces everything here.

27 **018:** She is saying that her toilet is much contributing to her garden.

28 **AJG:** Do you produce all of the vegetables your family eats here?

29 **018:** She is saying that she had this practice before.

30 **AJG:** This kitchen garden?

31 **018:** No, some fruit tree. But after this [toilet construction] she has started producing this vegetables,
32 and now she does not have to purchase...purchase from the market.
33 [Pause as respondent continues to speak.]
34 Actually, what they are doing now, they take some sufficient vegetables from here, but if they
35 have some excess, if some people come to buy from their vegetable garden, then she will sell.

36 **AJG:** So you have enough to sell as well.

37 **018:** Not enough, but just a very small amount. But she is thinking that she is growing, and getting
38 experience, she is thinking that it will be possible for her [to sell more vegetables].

39 **AJG:** Ok. Maybe we can go sit again?

40

41 [Walking to interview location in home]

42

43 **AJG:** Does anyone besides the five people in your family ever use this toilet?

44 **AP:** Just, I am asking, you are speaking along time with him, but still you have not understood what
45 you are saying. She is saying it will take more than one year.

46 **AJG:** [Laughing] I have been hearing a lot more Bangla than she has English, and I still don't
47 understand.

48 **018:** She is saying, in addition to her family members, there are some people that just comes and use
49 this toilet. Before using this toilet, she teaches them. And this small boy [indicating an
50 approximately 5 year old boy on the witnessing the interview], he also just teach the people how
51 to use.

52 **AJG:** Who is this child?

53 **018:** Her grandson.

54 **AJG:** Does he use the toilet regularly?

55 **018:** Yes.

56 **AJG:** He does? Ok.

1 **018:** His age is five year, he still does not go to school, but he will go after one year. But he very
2 efficiently use the toilet. He also teaches other people, and he also monitors the toilet.

3 **AJG:** The other visitors you have, do they like using the toilet, or do they find it difficult?

4 **018:** They also feel happy.

5 **AJG:** They also enjoy it.

6 **018:** They ask, 'It is a very good toilet. How did you organize this toilet? How did you install it? Can
7 we have this opportunity?' So they ask them.

8 **AJG:** Do you think that the visitors are using the toilet correctly?

9 **018:** Yes. They can do it. And they did not face any problems. And she is saying that her toilet has
10 not disturb, no difficulties.

11

12 **AJG:** Being the EcoSan pioneer in this village, would you help other families?

13 **018:** She is saying...she is saying that it was two fold...it is now two fold. One fold is that she speaks
14 with them about the toilet, and they are becoming interested. But before speaking with them, they
15 are coming to her and saying, 'Please arrange a toilet for us.' And she is saying that, if, at this
16 moment, you allocate 100 toilets, she can just work as the motivator. She can ensure the
17 installation, without him [indicating SPACE unit manager Mr. Shahjahan Monbal]. She is saying
18 little difficulties, but that is not considerable. The difficulty is that at the time of defecation there
19 is a whole, and after this, there should be thrown some ashes, cover should be set up, and just
20 moving in the backside for anal cleansing. It is a just a little difficulty is, but it is not a problem.
21 This is a very minor problem, and when it comes to the practices, it is a behavioral aspect, and it is
22 not a problem for them. It is now adapted. It is not a problem

23

24 **AJG:** Do you ever hear...does anyone from the community tell you that the use of urine in your fields is
25 disgusting or unclean?

26 **018:** At the beginning. Some people 'Oh, what are you doing? It is not a good thing, it is very
27 disgusting.' But now, the people are becoming very motivated. 'You are doing a very good thing
28 and the result is very nice, and we should come.'

29

30 **AJG:** How many households are there in the village here?

31 **018:** She is saying 150-200.

32 **AP:** It is around 200.

33 **AJG:** Do you think the quality of life in the village would be improved if there were more EcoToilets?

34 **018:** She says that...this community is very favorable to SPACE. She is saying that with some
35 exchange visit, she went to Rangpur. Rangpur is a very big distance, about 200 km from here.
36 We organized this exchange visit. Then she visited the toilets of other partners of UNICEF.
37 Probably this comments should not be quoted, because the UNICEF...UNICEF will not mind for
38 this, but the other partners will mind for this. She is saying that this is the best quality of toilet,
39 and those toilets are not equal to this toilet.

40 **AJG:** What was all the debate about, all of this discussion?

41 **018:** He [her husband] is saying do not discuss this. He is advising no to discuss this. Don't discuss
42 this, because these is the issues...the Bangladeshi people most of the time do not like the criticism.

43

44 **AJG:** What would need to happen here to have more toilets installed in the village? What would be the
45 first step to increasing the number of toilets here?

46 **018:** She is saying that she does not have any direct opinion for the next step, but she is saying that
47 first, maybe it should be an introductory meeting for the people of this village, and the allocations
48 should be shared with them, and the process should be shared with them, and the cost sharing
49 amount, and the tentative cost should be shared with them. And the most needy family needs to
50 be identified first, and accordingly it should be constructed. And she is saying taking experience
51 from this toilet, the best one...the best issues, and if there is difficulties, she is saying there is no
52 difficulties there. Besides, through expert observation, they can, the implementing organization,
53 maybe it is SPACE, can identify some of the major issues, and then share with the problems, and
54 the construction should be accordingly. Then the next step should be orienting the people,
55 capacity building the people. How to use the toilet, how t manage the toilet, how to manage the

1 feces, how to use the urines. These are the things, and for this it should be continued for a certain
2 amount of time.
3
4 **AJG:** You mentioned there are 150 or 200 households in the village. How many households do you
5 know of that would be willing to pay for a toilet like this?
6 **018:** If it is increased cost sharing...they have shared cost of 3,500 [BDT]...if it is more than 5,000
7 [BDT] everyone one take this.
8 **AJG:** How much would you contribute for this toilet now?
9 **018:** She is ready...I just narrated this issue in this way, for an example. She is shifting her family from
10 here to 3 km distance. Then she will not be able to take this toilet, so what she will do? She is
11 saying I will do this toilet with my own cost.
12 **AJG:** So you would pay the whole cost?
13 **018:** Yes. It is a very nice compliment.
14
15 **AJG:** Where do you get your drinking water?
16 **018:** Just, it is around 300 meter from here.
17 **AJG:** It is a well, or a water point?
18 **018:** Water point.
19 **AJG:** Is this where you also collect the anal wash water?
20 **018:** Yeah
21 **AJG:** How much water do you use in this toilet?
22 **018:** Actually, she use wash water from this pond.
23 **AJG:** From the pond?
24 **018:** Yeah.
25 **AJG:** And how much water does it use?
26 **018:** Actually, it depends on the use. Because based on Bangladeshi culture, they use one pot of water
27 for anal cleansing.
28 **AJG:** One quart?
29 **018:** One pot.
30 **AJG:** I see it is maybe 1.5 liters.
31 **018:** Maybe two person sue this.
32 **AJG:** Does this toilet useless water than your former pit toilet?
33 **018:** She is saying that obviously less water. Because the previous toilet, after anal cleansing, another
34 two, three or four pots of water was needed for cleansing. For flushing.
35
36 **AJG:** Is there anything else you would like to share with me about being the first person in the village to
37 have the toilet?
38 **018:** Actually, she feels, about the neighbors, you know? She is thinking that this is not only a toilet; it
39 is a parameter of dignity. It is a parameter of privacy. It is a parameter of security for the women.
40 It is a parameter of use for very special health needs of the women...child needs. All of these are
41 things the toilet contributes. She also says that if a woman needs just for defecation, how is it
42 possible just to go, and the people will see. So it does not just maintain any security and an
43 privacy. So she thinks, that if there is an opportunity to provide such type of toilets for all the
44 villagers...so this is her comments.
45 **AJG:** Ok. Very good. Sufia, just a few...
46 **AP:** Oh sorry...Also she has shared that this is just one toilet. This toilet...this village should be an
47 EcoToilet village.
48 **AJG:** Ok. So she thinks it should be expanded in this village.
49
50 **AJG:** So, how old are you?

[1:05:53 : Begin collecting demographic information]

[1:11:57 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 013****Interview No.: 019****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:41	██████████	Amarak Village
Interview end:	13:12	██████████	Chapainabaganj Upzilla
			Rajshahi District
			Rajshahi Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Bright Sun	Very Humid	Rejiad

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	>50	Female Head

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
6	6	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	1

NOTES:

Respondent was unsure of her age, but reported she was greater than 50; appeared to be between 50 and 55

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

- 1 **AJG:** Interview 019. So may I ask you some questions about your toilet?
2 **AP:** She does not yet understand. [Laughing] What you are saying she does not understand. Just one
3 moment.
4
5 [Recording paused]
6
7 **AJG:** What is your name?
8 **019:** [REDACTED]
9
10 **AJG:** Ok. Can I ask you to tell me the story about how you came to have this toilet at your home?
11 **019:** Actually, the same situation, you know? There was a meeting in this village about disseminating
12 the toilet information that she attended. There was a meeting in this village, where dissemination
13 was made by the SPACE worker. She attended. She knows everything, knew everything about
14 the toilet. But some people were discouraging her, not to take the toilet, but she did not hear of
15 them...didn't hear. So she thought that it was a very good toilet, so she installed this toilet.
16 **AJG:** Was it a difficult decision to make for you?
17 **019:** Some people misinterpreted this toilet, about the approach of SPACE. Some people said that
18 maybe you are just taking this toilet because this is the input to you to convert from Muslim to
19 Christian. Could you understand? So you should not take this toilet, because you are on the way
20 to become a Christian.
21 **AJG:** Did that make the decision difficult for you?
22 **019:** No, she did not care of them.
23
24 **AJG:** Were there other toilets in the village like this...EcoSan toilets before this one?
25 **019:** The first, then the second, then this is the third.
26
27 **AJG:** How long did this decision take you to make?
28 **019:** She cannot remember, but it is about one month or two months.
29 **AJG:** What were your biggest concerns? What did you discuss the most with your family when
30 deciding to install this toilet?
31 **019:** Actually, she did not have any problem, although people were discussing her. She told me that
32 many people say many issues. She also shared this issue with her daughter, and her daughter told
33 that, 'Don't care to anybody who is saying negative things. So don't need to hear. Please do it.'
34 They have decided this position.
35 **AJG:** Who was involved in the decision making in the family?
36 **019:** There were three people that decided. She, her daughter and her husband.
37 **AJG:** Who was the most vocal advocate of this toilet?
38 **019:** She is the first.
39
40 **AJG:** Why did you want this toilet in particular?
41 **019:** Actually, two purposes. One purpose is sanitation purpose. Another purpose is the privacy /
42 security. Social prestige, because when women go to the field for defecation, it does not look
43 good. Another reason is the reuse of human excreta. So these are the main issues.
44
45 **AJG:** Now that the toilet has been installed, are you happy with your decision?
46 **019:** Yes she is very happy with her decision. [Pause as respondent continues to speak.] She is
47 thinking that her decision was very correct.
48 **AJG:** What is it that you like most about this toilet? Is there anything unexpected that you like about the
49 toilet?
50 **019:** No problems, no difficulties.
51 **AJG:** Are there any benefits to the toilet that you didn't anticipate?

1 **019:** She is thinking tow benefits. One benefit is that this toilet is very close to her house, so she
2 doesn't have to take risk for go out for defecation. This is one, and it is related to the security and
3 privacy, and involved the social prestige. Another is that this toilet does not cause for pollution,
4 that is the sanitation purpose. Contamination of the water bodies. And it also does not take cost
5 involved for emptying, removing the feces, which they had experience with before this toilet. The
6 had to call other people for removing the feces, which was a cost involvement. It was a little
7 disgusting. There is no cost involvement for this purpose. It is helping the people [AP's phone
8 rings]...at this moment they are thinking that the previous toilet was causing for environmental
9 pollution, for water bodies contamination. But this toilet is doing better than that toilet. So it is
10 actually just a contributing the reuse of human excreta, which is a very good fertilizer for the
11 farming.
12
13 **AJG:** Are you growing fruits or vegetable here?
14 **019:** Tomato. [Pause as respondent continues to speak.] Just, she is using...using here...in the trees,
15 some [fruit]...before this she grows tomato, and now she is using [the urine] in the paddy field.
16 **AJG:** Is she share cropping?
17 **019:** Share cropper, yes.
18 **AJG:** Have you noticed any difference in the paddy field after using the urine?
19 **019:** Yes. She is looking some difference. The growth is higher.
20 **AJG:** Do you think this will contribute to a greater income for your family?
21 **019:** She has experienced that it increases the income of the family. Because when she grows some
22 tomato, the tomato was...the growth of the tomato was very good, and the yield was increased.
23 So it contributed. And the taste was different. So it increased her family income.
24
25 **AJG:** How many people are using this toilet?
26 **019:** Actually...they are regularly...[Pause as respondent continues to speak.] Actually, they were
27 six...eight persons altogether. But at this moment they are now four. Because here three
28 daughters married. They frequently come, but when they use it. And they lost their young
29 married child...children.
30 **AJG:** I am sorry.
31 **019:** She [referencing the young girl next to the respondent] is the daughter of that late father...late
32 children. And she lives with them. But her mother comes sometimes to see her, then she [uses the
33 toilet]. Sometimes the user number grows to ten, but sometimes it is four. Regular four, but most
34 of the time it grows at ten.
35
36 **AJG:** Of the four people living in the household, is it two adults and two children?
37 **019:** No. Three adults and one children.
38 **AJG:** And the child is...?
39 **019:** This [indicating the young girl].
40 **AJG:** So, five [years old]?
41 **019:** Six years. [Pause as respondent continues to speak.] Oh...another two. They are three...these
42 children are three, but they live with their mother. So it grows to eleven.
43
44 **AJG:** How often is the urine collection vessel filled?
45 **019:** Is...after ten days.
46 **AJG:** Do you always use it to fertilize the crops, or does she ever dispose of it otherwise?
47 **019:** She use both the casing compost...vermi compost and the urines.
48 **AJG:** And she uses it every time? She never disposes of the urine every other way?
49 **019:** Yes. [Pause as respondent continues to speak.] Yes...she uses the casing compost...casing
50 compost means vermi compost...in the paddy field.
51 **AJG:** And the urine both in the paddy field and here [on the fruit trees inside the home]?
52 **019:** Yeah.
53
54 **AJG:** Did you face any sort of criticism for using the urine or feces?
55 **019:** At the initial stages, people did it, but now, nobody did it. Other than the support staff.
56 **AJG:** Would anybody not eat your rice because you have used urine to fertilize it?

1 **019:** Yes...they now [inaudible].
2 **AJG:** They what?
3 **019:** They now just...comments good. You are doing better.
4 **AJG:** Is there anyone that would not eat the rice from their paddy, because they use the urine?
5 **019:** Oh. Just at the initial stage, somebody was there. But now, nobody.
6 **AJG:** How do you feel about it? Are you comfortable using the feces in particular?
7 **019:** She is saying that it is totally...that this is not *goo*. Do you know what is *goo*?
8 **AJG:** Yes I do.
9 **019:** She is saying that it is not *goo*, it is already converted into valuable fertilizer.
10 **AJG:** have nay of your other neighbors expressed interest in building an EcoSan toilet in their own
11 homes?
12 **019:** Everyone is coming now.
13 **AJG:** Everyone is now interested. What do you tell them when they ask about this toilet?
14 **019:** She says, actually to them, if you need you can individual contact, or when I have the opportunity,
15 then I will say to them [SPACE representatives]. But you should do by yourself, like this.
16 Sometimes she feels shy, as she has received the donation or subsidy, so she cannot say to others
17 do it by your self.
18
19 **AJG:** Is the toilet something you feel proud of?
20 **019:** Yes. She feels proud. [Pause as respondent continues to speak.] And some other relatives when
21 come, they also get experience from this toilet, and they tell her it is a very good toilet.
22 **AJG:** What is the toilet costing you? How much have you paid for the toilet?
23 **019:** It is 17,300 [BDT].
24 **AJG:** Total?
25 **019:** Yes. And she had paid 300...3,500[BDT].
26 **AJG:** Ok. So a little bit less than 25%. Was this monetary? Al cash, or was their labor involved?
27 **019:** After the cash cost is 15,500 [BDT], all the toilet. She provided cash 3,500, and the other
28 involvement around 1,500...this is from her other cost in relation to the masons, some of the
29 involvement like this.
30 **AJG:** Would you pay more for this toilet? Would you be willing to invest more, should you move? [To
31 AP] Perhaps you can present the situation...[that he presented in the previous interview, in which
32 the respondent is asked if they moved, would they then construct a new EcoToilet entirely based
33 on their own finances.]
34 **019:** She is saying...first she would expect some donation, because of their poverty. If nobody comes
35 to support them, then she will do it gradually. First infrastructure, then within two or three years,
36 the super-structure. But, they will follow this toilet.
37
38 **AJG:** Did you use a toilet before this?
39 **019:** Just, the same.
40 **AJG:** A pit latrine?
41 **019:** Yes.
42 **AJG:** Where was this pit latrine?
43 **019:** No...no pit latrine. No pit latrine. This is the earth made latrine...homemade latrine. Without the
44 ring-slab. [Pause as respondent continues to speak.] Oh. There were ring-slab, but pit-latrine.
45 **AJG:** So...what?
46 **019:** Only one slab.
47 **AJG:** Where was this toilet located?
48 **019:** This was near to their pond [in front of the home].
49 **AJG:** Did that toilet have any advantages to this toilet?
50 **019:** She told that...tells that toilet was only for defecation purpose. No sanitation...nothing.
51 And...that was not convenient, and very inconvenient. And it [the EcoToilet] has everything.
52 Sanitation...social status...social issues...Everything it have.
53
54 **AJG:** Have you experienced any problems with the toilet? I know you have said you haven't, but for
55 example, does your family produce enough ash for the toilet?
56 **019:** They have their own...

1 **AJG:** Enough ash?
2 **019:** Enough.
3 **AJG:** And you produce it from your cook stove?
4 **019:** Actually, both. Sometimes they use the cow dung, sometimes they use some wood collected from
5 the field, and sometimes this is the husk of paddy.
6 **AJG:** Have you been able to identify a difference in your tomatoes and trees after you began to use the
7 urine.
8 **019:** Yes. She finds difference.
9 **AJG:** What is this difference?
10 **019:** Everything is...the growth is very rapid, and the taste is very interesting. And the quantity of fruit
11 is much more than the chemical plants.
12 **AJG:** Higher yield, good.
13 **019:** They also get original taste.
14
15 **AJG:** When the men in the household have to urinate, do they urinate in the toilet every time?
16 **019:** Husband...[Pause as respondent continues to speak.] Yes...the male counterpart use this toilet, as
17 they understand the value of liquid gold.
18 **AJG:** Have you had any incidence of diarrheal illness since this toilet has been installed?
19 **019:** No.
20 **AJG:** Had you experienced any diarrheal illness before?
21 **019:** She says that actually, before this, she and her family gets frequent incidence. After this, they
22 didn't have.
23 **AJG:** Has your family's general hygiene practice improved after this? Hand washing?
24 **019:** Yes. The think that all the things are improved. Hygiene knowledge...hygiene practice. And also
25 their using pattern and their thinking pattern is advanced.
26 **AJG:** Ok. Thank you very much for speaking with me today.

[31:31 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 014****Interview No.: 020****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	15:27	██████████	Amarak Village
Interview end:	16:10	██████████	Chapainababganj Upzilla
			Rajshahi District
			Rajshahi Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Sunny	Very Humid	Abu-Baker

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	54	Male Head

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
13	13	9

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	9	3

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

- 1 **AJG:** Interview 020. What is your name?
2 **020:** [REDACTED]
3
- 4 **AJG:** Could you tell me the story of how this EcoSan toilet was installed here?
5 **020:** Actually, the same fact. First the introduction by our staff, through just an informal sharing
6 method. At the time, they saw just some picture, and how the nature of EcoToilets, and
7 sometimes the difference between the conventional toilets and the EcoToilet, because people are
8 asking about the nature... because people are saying, 'No, this is the SHEWA-B project area, and
9 they have some toilets, and they have some latrines, so we are going to construct another toilet.'
10 So he made them understand what is the difference between the conventional toilet and the
11 EcoToilet. So when they heard that the EcoToilet is a toilet with characteristics to use human
12 excreta in the productive activities, particularly in the plantation activities, cultivation, and some
13 other...paddy field, then they are learning how it is possible.
14 So many are adverse thinking, sometimes adverse reaction. So then our staff told them, please, we
15 have this allocation...six or seven allocations. So if it is possible, you could decide, otherwise, we
16 can just select another village. Then they thought it is probably a good toilet. Then they
17 suggested that our worker demonstrate just one, so they could have an experience. The when the
18 masonry was happening, just one toilet, the first toilet was made during the training. And then
19 they had experience and found this is a good toilet, then they decide. They decided before having
20 this toilet, but before their decision making, there is also another meeting with the villagers, and
21 also a meeting with the family members. And the family members thought, particularly the
22 women, as this toilet is a good one, and very suitable to install near to the house or to the sleeping
23 bedroom, so probably it is good for them. So they just decide to install this toilet.
24 **AJG:** Who was involved in the decision-making? Was everyone in the household involved?
25 **020:** He is saying not only him...his wife, his son, and also his son's wife. [Pause as respondent
26 continues to speak.] But he [respondent's son] was out of country, he was working in Dubai, but
27 his wife was there. But his wife just took part in the decision making process. So after a big
28 discussion amongst themselves, somebody told them, 'No it is not a good toilet. After using there
29 are some risks some threats, some people will not like and they will make many criticisms.' But
30 some people they told that, 'No, no, no. This is not their toilet, this is our toilet. We will test it.'
31 Like this. So the emphasis of this is also the cost sharing. It is 3,500 taka, maybe we can share.
32 **AJG:** Who was the primary driver in the decision?
33 **020:** His wife.
34 **AJG:** Why did she want this toilet?
35 **020:** Actually, he is saying that he thinks that his wife is also suitable just to lead this process. He is
36 saying that the toilet is essential for both men and women, but it is more essential for the women,
37 because the women cannot go together there for defecation purpose. Maybe if you just leave the
38 environmental issue or health issue, only they can use the field, but the women cannot go. So he
39 says that if the women think this is a good toilet, then they can build it. So, he also give emphasis
40 on his wife.
41
- 42 **AJG:** How many EcoToilets were there in the village before this one?
43 **020:** Seven.
44 **AJG:** So this was the seventh toilet or the eight toilet [in the village]?
45 **020:** This is the seventh. [Pause as respondent continues to speak.] Actually this is the issue...this is
46 the first, and seventh is the last. That is the second [Latrine 012], and that is the third [Latrine
47 013].
48 **AJG:** So, this is the first one built?
49 **020:** The first one.
50 **AJG:** Despite what I heard earlier?

1 **020:** Actually, from that one, there is a different...in that three or four household, she was the first. In
2 the village, this was the first.
3
4 **AJG:** And when was it completed?
5 **020:** One week.
6 **AJG:** It took one week to build?
7 **020:** Yes.
8 **AJG:** And when was it completed?
9 **020:** This was started on 10 April, and finished on 16 April.
10 **AJG:** In 2010?
11 **020:** Yes.
12 **AJG:** So you have had the toilet for a year and a half now?
13 **AP:** Yes, because you know [pointing at exterior wall of EcoToilet].
14 **AJG:** Oh...it is in [engraved] in the wall.
15 **AP:** Just, it started in 10 April, 2010...and finished 17 April 2010. So just when mason came, the
16 mason constructed this toilet first.
17 **AJG:** So this was the first toilet in the village. Ok. Just one second...let me make note of that.
18 **020:** So this is just very confusing information by the people sometimes.
19
20 **AJG:** This is the first time today that you have opened the feces vault?
21 **020:** Yeah, this is the first.
22 **AJG:** What were your impressions after opening the vault?
23 **020:** Actually, they had a confusion, which Shahjahan [SPACE Unit Manager] has told was right or
24 wrong... and so what he was doing at first, can I show? And I was asking him to touch [the
25 composted feces]...but 'No, no, no...' Because he had the same idea. But when Shahjahan
26 touched, me touched, and this boy touched and some other people touched, he thought 'No, no,
27 no...it is good.' So very democratic change...dramatic change, in his image. Dramatic change.
28 Ok...before this...before opening this, he had a negative image. But after opening this, and
29 touching by different people, he has got a dramatic change.
30
31 **AJG:** So what is the process? What will you do with this fertilizer now that you have opened [the feces
32 chamber]?
33 **020:** He is saying that after taking it from the vault, they will dry it up in the sun for seven days. And
34 they will take it in their paddy field, or just some crop fields, and they will prepare their land, and
35 again sow some of the crop seeds.
36 **AJG:** Was he aware of that initially?
37 **020:** During the training, it was first. It is stopped just as the...this was the first vault. When it was
38 stopped, the worker, Shahjahan, told that the process again. And even yesterday also, he shed
39 this issue.
40
41 **AJG:** Being the first in the village to install this toilet, what were the attitudes of your neighbors towards
42 the toilet in the beginning?
43 **020:** Actually, just mixed impression of the neighbors. Some said it is a good toilet, others said, 'What
44 are you doing?'
45 **AJG:** Do most of the neighbors now agree this is a good toilet, or is there still some mixed opinions?
46 **020:** Very few people...just before this, the majority of people told that, 'What are you doing?' Now
47 there are very few people. Very minimum people.
48
49 **AJG:** Have you been using the urine as fertilizer this whole time?
50 **020:** He is saying that...[Pause as respondent continues to speak.] Actually, I asked him, just whether
51 he uses this urine in the fruit trees, and there was some [inaudible] and sometimes some temporary
52 fruits. This is suitable for them and the urine is sufficient for using this issue, and they are getting
53 very good produce. But I was asking him whether they have used this issue in the paddy field or
54 not. Then they said this is a long distance, three or four km. And I told them I don't take it with
55 you, because or cropland is sometimes 10 km, 20 km from our house, so we know how to deal
56 with these issues.

1
2 **AP:** Just one thing I would like to share with them... [Pause as AP addresses respondent.]
3 **AJG:** What did you share with them?
4 **020:** Just I have shared some experience, using urine in the paddy field. One of our first experience in
5 Munshigonj, that one person used urine in the paddy field, in a total area of land of one hectare.
6 The increased paddy was...it is 1,600 kg.
7 **AJG:** Over 14 months?
8 **020:** In one season. And he used much chemical fertilizers in one part, and in another part just urine
9 and feces. Nothing. And just sometimes he used some potash or something, but in very low
10 quantity. Then he found that in that 20 or 30 days, the paddy growth is much different. And when
11 he grow that production cost is very low. And that increased production is 1,600 kg in one hectare
12 land.
13
14 **AJG:** Can you describe to me the safe handling of the compost? How it is supposed to be handled
15 safely?
16 **020:** He is saying...just he has this knowledge...he has instructed to put using gloves. But gloves is not
17 available here. Bu the alternative way is that he will remove it using spade, and he will dry it
18 using spade. But for each handling, he will wash his hand using soap. Just using...during drying
19 and after carrying, he will use soap for cleaning and washing his hands.
20 **AJG:** After the compost is dried, will he still follow the same safe handling procedures?
21 **020:** Yes. He will follow the same procedure.
22
23 **AJG:** Good. Do you think that your use of the EcoSan products, and your installation o f this toilet has
24 changed the opinion of some of the other people in the village about these toilets? Doe she think
25 this has been a positive example within the village?
26 **020:** He is saying that the peoples thinking has started, but it will be more fulfilled and successful when
27 he uses these things in the crop field, and people should result...they will be more interested by
28 showing this.
29
30 **AJG:** Who cleans the toilet?
31 **020:** Actually, they have a very good understanding among themselves, and they have undertake a plan
32 every day. There is a schedule...today he will, tomorrow he will...and everyday. Mena and
33 women together.
34 **AJG:** So it is cleaned every day?
35 **020:** Yes.
36
37 **AJG:** Have you had any problems using the toilet?
38 **020:** Actually, they... their acceptance was very good from the beginning, and their orientation also
39 very adequate. When they started use, they were very careful of the negative issues, so nobody
40 could jus misuse the toilet, or improper use the toilet. So they didn't have to face the problems.
41
42 **AJG:** Do you find you have enough ash for the toilet?
43 **020:** As they...Just...they are saying that they have the process just to cook two times in a day...
44 **AJG:** Sorry could you repeat that?
45 **020:** They cook foods...rice, curries, three times in a day. So it produces a lot of ash. They also boil
46 rice for paddy, just for husking, so they don't have any ash crisis, even in the rainy season.
47 **AJG:** What do you use as fuel for your cook stove?
48 **020:** You know, sometimes the straw. And sometimes they use cow dung...dried cow dung...which is
49 very nutritious food for the fertility of the land. Sometimes they use just the paddy husk. These
50 are the main issue.
51
52 **AJG:** After seeing this compost and fertilizer today, are you very comfortable...very comfortable using
53 this in your fields?
54 **020:** He is very good...[Pause as respondent continues to speak.]
55
56 **AJG:** Do you think that you have faced any sort of social stigma with regards to this toilet?

1 **020:** No. Because... [Pause as respondent continues to speak.] They are...There are some criticism.
2 And some people told them this is some support given from a Christian organization, so maybe
3 you are becoming a Christian, like this.
4 **AJG:** Why was this associated with some Christian initiative?
5 **020:** Because this was the issue that happened just at the very early stage of NGO emergence in
6 Bangladesh. But at the very early stage, but now the people are saying at the [inaudible] part of
7 the country.
8 **AJG:** What else was said?
9 **020:** Just, I was saying, just that if the people are aware of this source of information, you have an
10 example with them. Please ask them why they have done it...and why they have defined it.
11
12 **AJG:** What do you consider to be the biggest advantages of this toilet?
13 **020:** Actually, he is saying tow major things. One thing is the social issue. Sanitation issue. In
14 sanitation issue, this is a very efficient issue. With social issue, their first toilet was installed at
15 distance...long distance from their house, which was not good, and not maintained and managed
16 properly. And the security of the women. Security of the women, security of the children. It was
17 very difficult to use for them at the night and during the rainy season. Now it is possible as it is
18 odor free and as it does not have any, just problem, just transmitting diseases. This is the first
19 consideration. The second consideration is that this toilet does not contaminate the ground water,
20 as it is just sealed at the bottom part. And it is just very suitable for reusing.
21 [Pause as respondent continues to speak.]
22 He is just saying that the cost involved for calling the sweeper...but it [the EcoToilet] does not
23 need. The previous toilet [did need]. For removing the feces from the pit. That was a health risk,
24 and sometimes they say if they call a sweeper he sometimes just demanded 300 – 400 taka in each
25 year. And it was very disgusting. But this toilet does not have any problem like this.
26
27 **AJG:** What was their previous toilet?
28 **020:** It was a ring-slab made toilet.
29
30 **AJG:** What has this toilet cost you?
31 **020:** This is 15,500 [BDT].
32 **AJG:** What is the cost sharing arrangement?
33 **020:** 3,500 [BDT].
34
35 **AJG:** And if your family was to move, would you invest your money again in a new toilet?
36 **020:** He is saying that he would do by himself. Because he will do his house without any external
37 support. And this toilet also... because this house is very essential for their living, and their secure
38 living. And he is saying that this is very beneficial toilet, and very secure for their living, and
39 some other related issues.
40
41 **AJG:** Does anyone outside of your family ever use the toilet?
42 **020:** Actually, many people when they come to just visit their house.
43 **AJG:** So guests?
44 **020:** At the time of visit they use. And they become oriented.
45 **AJG:** How long does it take them to become comfortable using the toilet?
46 **020:** Actually, from the very beginning...as they are jus totally convinced, so they thought that they
47 don't have any problems. From the very beginning they are convinced that it is a comfortable
48 toilet.
49
50 **AJG:** Who, from your family, is using the toilet right now, on a regular basis?
51 **020:** Actually, he is the mechanic of a deep tube well, and most of the time he stays there. And when
52 he needs for defecation, he goes to the open field. And when he stays at home, he uses this toilet.
53 This is for him. Butt for another person...[Pause as respondent continues to speak.] Seven people
54 regular use.
55 **AJG:** How many children, how many adults?
56 **020:** Oh...like this. [AJG is handed a guava]

1 **AJG:** Thank you. Thank you. How many children, how many adults?
2 **020:** Four adults and three children.
3 **AJG:** And how old are the children?
4 **020:** The youngest one is five years. Five, six and seven.
5
6 **AJG:** Ok. How old are you?
7 **020:** 54.
8 **AJG:** And how long have you lived in this village?
9 **020:** 13 years.
10 **AJG:** Where did you live before?
11 **020:** In another area.
12 **AJG:** And they moved here because of environmental displacement?
13 **020:** They were living on the bank of the river. And because of the river erosion...
14 **AJG:** How many people live in the household?
15 **020:** Total eight.
16 **AJG:** And he is not using the toilet regularly.
17 **020:** He...when he stays at home...but sometimes when he goes to the field, to the deep-set pump. It is
18 maybe 15 days he lives there, then 20 days he lives here.
19 [Pause as respondent continues to speak.]
20 Oh...another two persons [living in the home]. So altogether this is nine persons.
21 **AJG:** Altogether 9 persons are using the toilet? So how many adults.
22 **020:** Six adults.
23 **AJG:** And nine in the household?
24 **020:** Yes.
25
26 **AJG:** Ok. Thank you very much for speaking with me.

[42:14 : END OF INTERVIEW]

Date: 9/6/2011**Latrine No.: 015****Interview No.: 021****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	16:31	██████████	Amarak Village Chapainababganj Upzilla Rajshahi District Rajshahi Division
Interview end:	16:57	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
31°C	Sunny	Very Humid	Ajim

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	12	No

Residency Information

Length of Residence in Amarak:	Length of Residence at Current Location:	Number of Residents in Household:
12	12	9

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	9	3

NOTES:

Respondents mother indicated that the family had been living in Amarak for 13 years

TRANSCRIPT

Respondent: [REDACTED]

AP: [REDACTED]

- 1 **AJG:** Interview 021. What is your name?
2 **021:** [REDACTED]. Actually they are not aware of their surname.
3 **AJG:** How old are you.
4 **021:** 12 years.
5 **AP:** But seems like 8 years.
6
7 **AJG:** Can you tell me about how your family came to install this toilet?
8 [Respondent begins to speak]
9 **AP:** Please go out. Please go out [directed at several young boys who are observing the interview].
10 **021:** Tony, he has given very good information. When Shahjahan came, they had a meeting in this
11 village, and after the meeting, as these are very poor family, they had also a good discussion, and
12 he contacted personally, whether they are ready to take a toilet or not, particularly this EcoToilet.
13 The first time, they were not in a position to take it, because they are poor and it is very difficult
14 for them to handle this 3,500 taka. And some people are just discouraging them, saying 'Why are
15 you going to spend such an amount of money?' Like this. But as they are convinced by the
16 information given by the SPACE worker they thought, ok we can take it. But before taking it,
17 they first had visits to another families, the first demonstrated toilet, so they thought their toilet is a
18 good one, and probably that made them convinced for using this toilet.
19
20 **AJG:** What has your experience using this toilet been like?
21 **021:** He is saying two things. One thing is that it does not spread any bad smell. Second is that it does
22 not need to use much water for cleaning. Third is that, there is a process for reusing. Another
23 thing is, as mentioned, he is a small boy, but he has mentioned an important issues, the ash. Ash is
24 something dangerous for the people, you know. Ash is sometimes dangerous. Dangerous in a way
25 that in the dry season, there are some warm winds...blow. And it takes the ash flying, and it takes
26 in the eyes. He is saying that we are also utilizing the ash as one of the most important content. It
27 is rainy season, so just introducing the most utilization as resource. Ash is always a thing that has
28 no value. He is saying it has just given a good price for that.
29 **AJG:** With regards to the ash, does your family produce enough ash for the toilet?
30 **021:** Yes. Through cooking
31 **AJG:** I noticed there is no ahs in the bucket right now. What would you do if you had to use the toilet?
32 **021:** Just it is squeezed, and they are just preparing for refilling it.
33 **AJG:** Pardon?
34 **021:** They will...again just transfer ash.
35 **AJG:** So there is ash in the stove that you could use?
36 **021:** Yes, there.
37
38 **AJG:** Do your friends ever say anything to you about using this kind of toilet?
39 **021:** No. His friend say this is a good toilet.
40 **AJG:** Do they think it is strange, reusing the fertilizer on the plants?
41 **021:** Oh, some friends sometimes ask him, 'You are just using it and it is not good.' He says 'No, you
42 don't know about urine. Urine is a very good fertilizer.' So we use urine, as we know it is a very
43 good fertilizer.
44 **AJG:** Are you comfortable using the urine as fertilizer?
45
46 [Interview paused as AP takes phone call]
47
48 **021:** So, what he is saying. At the initial stage, he got some hesitation. Just at the early stage he got
49 some hesitation. And sometimes, something is trying to say...just his feelings to other people. But
50 after some while, he thinks that it is very good. He don't feel shy now, and he don't feel hesitation
51 now.

1
2 **AJG:** Where does your family use the EcoSan products?
3 **021:** Just...within few days, they will just remove one chamber, because of maturity. And they have a
4 plan to use it in paddy field, in casamorish field. What is casamorish?
5 **AJG:** Cucumber?
6 **AP:** No.
7 **AJG:** Jackfruit?
8 **AP:** No.
9 **MK:** It is too hot...
10 **AJG:** Oh...chili peppers.
11 **AP:** Chili pepper. So, they will use in the chili pepper field, and also just in the jackfruit trees. Also,
12 this is another vegetable trees, and the will use it. And also in the tomato field.
13
14 **AJG:** Have you personally used the urine on any of the produce around here?
15 **021:** Yes, he has got this experience.
16 **AJG:** And when you use the urine fertilizer, what do you do?
17 **021:** He is saying that, jus t he mix one is to five...one-part just urine fertilizer, five-part water, then he
18 mix. When he use, he does not give directly just to the roots of the tree, he just...there is some
19 round, and he give here, so its goes around the tree. So it is a very good thing. Like this
20 [sketching the proper application of the fertilizer to fruit trees].
21 **AJG:** Do you have any other responsibilities with the toilet?
22 **021:** Yes, he carries some responsibilities, regarding to neat and cleanness, and monitoring when other
23 people are using correctly or not.
24
25 **AJG:** Does anyone else besides your family ever use the toilet?
26 **021:** Yes, actually they do not have any relatives, but sometimes some people comes...sometimes the
27 school teachers come... [Pause as respondent continues to speak.] Actually, before using by this
28 stranger, by this unknown person, he first orients them, so they don't go alone. So before gong, he
29 introduce the system first. This is the defecation hole. This is the urination place. This is the anal
30 washing place. So they use properly. And he also follows up it, if they have properly used it or
31 not.
32
33 **AJG:** How long did it take you to become comfortable using this toilet?
34 **021:** Actually, the same experience, just at the beginning...the very initial stage, he could not. He got
35 some little difficulties, as he was very new. He couldn't understand sometimes but after a few
36 days... [Pause as respondent continues to speak] He took one month maximum. One month.
37 **AJG:** Good, that is quick. And now you are very comfortable using this toilet/
38 **021:** Yes...he feels comfortable.
39 **AJG:** Every time you have to urinate, you use the toilet? Or do you sometimes go outside?
40 **021:** Yes, every time.
41 **AJG:** What sort of toilet did your family have before this?
42 **021:** Actually they didn't have a toilet, just open...just in the open places.
43 **AJG:** So this is a big improvement for you? You like this?
44 **021:** Altogether nine persons...nine people are using this toilet. [Pause as respondent continues to
45 speak.] Oh...he is the...yes actually they have three minor members.
46 **AJG:** So six adults?
47 **021:** Six adults.
48 **AJG:** How old are the children?
49 **021:** Oh...just those are five years.
50 **AJG:** So two children are five years old, and one is 12?
51 **021:** Five and seven.
52 **AJG:** Are these your brothers and sisters?
53 **021:** No, those are nephews.
54 **AJG:** Do you ever help them use the toilet?
55 **021:** Yes.
56 **AJG:** Do they use the toilet by themselves ever?

1 **021:** They are also very talented in using...actually they are small children. Very young, they enjoy
2 with the toilet. But not the misuse, properly using.
3
4 **AJG:** Yes...it is sometimes easier to learn a behavior the first time than change a behavior. Who would
5 you say in the family was the most supportive...who wanted to build this toilet the most?
6 **021:** His mother.
7 **AJG:** Why did she want the toilet?
8 **021:** Actually, from two corner...from the two perspective. One is that they didn't have any toilet, and
9 this is a support for them...without this support they will never be able to afford this sort of toilet.
10 So this is another reason. Another reason is just that they were aware of the sanitation issue and
11 the loss that usually happen in a lack of sanitation. But due to their economic ability, they could
12 not [build a toilet]. So they thought that this is a toilet, this a good one for defecating, a good one
13 for productive use, a good one for sustainability, and this is also a good one for them, because
14 there are some external support. They will only invest 3,500 [BDT]. So these are the things they
15 are thinking at the time.
16
17 **AJG:** Do you think you r whole family is happy with this toilet?
18 **021:** Yes, they are very happy.
19
20 **AJG:** Is this toilet something you are proud of? D you show your friends?
21 **021:** Actually, he didn't do this still, now.
22 **AJG:** Sorry?
23 **021:** He couldn't show the until now.
24 **AJG:** Why couldn't you show your friends?
25 **AP:** Actually, before you could observe before sometimes, some children were there and they were just
26 laughing. Actually, he is a very poor boy, and he is a little sick, you can see. So no
27 people...nobody come here and make a friendship with him, so he always feel alone and feel shy
28 to call...he has the willingness to call another friend, but he feel hesitation, because of the poverty.
29 And sometimes, provably, sometimes just use a loud voice to get them way, because they were
30 laughing and just making some fun as he was speaking. This is a source of discrimination
31 developing amongst the children at the very beginning. And probably you could just observe
32 another thing, this boy who was just very sick [another malnourished child in the village],
33 someone...some people were there, just some young people, and some boys as well, just making
34 some hard words. Just living in the rural areas, in the villages, so he just feel [dis]comfort by
35 them.
36 **AJG:** How long have you been living in this village?
37 **021:** From his birth.
38 **AJG:** So 12 years. How long has your family lived here?
39 **021:** 13 years.

[24:42 : Begin collecting demographic information]

[31:31 : END OF INTERVIEW]

Date: 9/12/2011

Latrine No.: 016

Interview No.: 022

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	10:43	██████████	Pajulia Village
Interview end:	11:15	██████████	Gazipur Upzilla
		██████████	Gazipur District
		██████████	Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Sunny	Very Humid	Md. Alauddin

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	60	Yes

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
60	60	8

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	8	2

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MM: [REDACTED]

- 1 **AJG:** Interview 022. Could you spell his name for me?
2 **022:** His name is [REDACTED]
3
4 **MM:** He was telling before, this EcoSan toilet was constructed by the name of his wife. But wife
5 passed away and now he is the owner. Wife died by cancer. But it is a very good sign that they
6 are continuing this process.
7
8 **AJG:** Can you tell me the story of how you got this toilet?
9 **022:** Initially, they started with the vermi compost program. [Pause as respondent continues to speak.]
10 First, they have constructed the vermi compost, then they have realized the importance of organic
11 farm...organic manure. Then they heard that from the EcoSan toilet they can get it very easily. So
12 they were very inspired to install the EcoSan toilet. [Pause as respondent continues to speak.] Ok.
13 He is telling the urine is working as a fertilizer, and also it keeps the...insecticides, so now they
14 are getting more production.
15
16 **AJG:** How many people are using the toilet?
17 **022:** Eight peoples are using this toilet.
18 **AJG:** All are members of this house here.
19 **022:** All members. His wife, his son, his son in law. Everyone is using.
20 **AJG:** How many children.
21 **022:** Two
22 **AJG:** How old are they.
23 **022:** Six and three years respectively.
24
25 **AJG:** Talk to me about the process of installing the toilet...the decision to install the toilet. Was their
26 any difficulty deciding to install this?
27 **022:** They have received training...on the job straining from the office, and they have learned how to
28 use it. [Pause as respondent continues to speak.] They did not face any problem after that...[Pause
29 as respondent continues to speak.] Initially they told to make the roof like this [sheet metal with
30 gentle slope], now he has money, and now, what he did, he made the platform over the roof. Over
31 the roof, he made the water tank.
32 **AJG:** Oh...so this is his toilet here [Latrine 016]?
33 **022:** Yes.
34 **AJG:** So whose toilet is this [Latrine 017]?
35 **MM:** Helena. Do you want to speak with her?
36 **AJG:** Perhaps we can speak with her next.
37
38 **AJG:** Who was the primary driver in the decision to install the toilet?
39 **022:** Initially, they thought that they need a very hygienic toilet, from their part, and then BASA came
40 to work for them. Then BASA tell them, 'Ok, you can do this, like this.'
41
42 **AJG:** Did you have any hesitation about using the urine or fecal compost in your fields?
43 **022:** Initially there was hesitation, but now they are acquainted. They are not feeling any hesitation.
44 **AJG:** Do any of your neighbors think that it is disgusting or unsanitary?
45 **022:** They are also very much aware. They are telling it is good. Also in this village, many people have
46 installed EcoSan toilets as well. [Pause as respondent continues to speak.] He is telling, in this
47 village 27 EcoSan toilets are here, around.
48 **AJG:** Was this the first EcoToilet? Or how many were here before it this was built?
49 **022:** This was the first one [an EcoSan toilet at an neighboring home]. This [Latrine 016] was the fifth.
50
51 **AJG:** What was the model for financing this toilet? Was there cost sharing?

1 **022:** This was cost sharing. Cost-sharing.
2 **AJG:** What was the user contribution?
3 **022:** Suppose...he was telling...if the cost was 17,000 [BDT], the cost bear by him was 5,000 [BDT].
4 12,000 [BDT] from the organization. And they are suppose to repay this amount to BASA. So
5 they will be the owner of this toilet.
6
7 **AJG:** Have you experienced any problems with this toilet?
8 **022:** Still now they are not facing any problems. But they are getting benefits. Now they are getting
9 the organic manure. And now they are not facing the problem of manure, they are telling me.
10 **AJG:** What do you do with the manure?
11 **022:** During the winter season, they use this manure in the paddy field, and the cauliflower and the
12 cabbage. Not only in every trees, where the fruits are available they use his manure.
13 **AJG:** You use this manure only in the dry season?
14 **022:** No, they don't use it [in the rainy season]. Because if it rains, then the manure washed away. So
15 that's why they used it in the dry season.
16 **AJG:** Do you use the urine all year-round?
17 **022:** Yeah. Around the year, they use the root of the tree. The divider of the paddy field, they put this
18 so the insect cannot hit the paddy field also.
19 **MM:** It is good learning. I didn't know this also. It also acts as a pesticide.
20
21 **AJG:** How much ash does the toilet require?
22 **022:** After using one time, they put three bowl of ash on the top of it.
23 **AJG:** Three bowls...
24 **022:** Two to three. [Pause as respondent continues to speak.] Ok. If these two to three bowls is not
25 adequate enough, in that case they bring extra more, to put on the feces.
26 **AJG:** Do you ever have problems getting enough ash?
27 **022:** No...because this is a not a gas prone area. They are cooking their items through the leaves and
28 woods. So it is no problem here.
29
30 **AJG:** Do you ever have guests come visit here?
31 **022:** Yes.
32 **AJG:** Do they use the EcoSan toilet?
33 **022:** If they want to use, they train them how to use it. If someone like to use, the train them you use
34 this this way.
35 **AJG:** Could you describe to me how you would train a guest?
36 **MM:** She is explaining the techniques...she knows. No need to explain. She is saying when you go in,
37 you use the toilet like this. They know.
38 **AJG:** Ok. And when guests use the toilet, do you think they use the toilet correctly?
39 **022:** Yes.
40 **AJG:** Do you check to make sure it has been used correctly?
41 **022:** Yes, they check. Sometimes it is not done properly, but usually they use properly. Very few
42 cases.
43
44 **AJG:** He has added this water tank to the toilet. What is this tank used for?
45 **022:** This tank, they ...this is the reservoir. They receive water for this toilet, they wash clothes, and
46 then they take their baths. They never drink water from that...they drink water from this tube
47 well.
48 **AJG:** What is the source of this water?
49 **022:** They have a generator machine...water pump machine, so they collect it from the ground level.
50 **AJG:** Have you made any other improvements to this toilet?
51 **022:** Just among that...after that installation they have put the reservoir, so they have all the time water,
52 and all the time ashes, because of the feedbacks. [Pause as respondent continues to speak.] Ok
53 very good. He is telling, ' we can wash [the toilet] ourselves. There is no need to call other
54 people [sweepers] to wash it, as we can do ourselves.'
55
56 **AJG:** Who is responsible for cleaning the toilet?

1 **022:** He is the responsible person... He takes the...

2 **MM:** Just I am asking, if he is not available in the house, then who takes it [responsibility for toilet

3 maintenance]?

4 **022:** Oh. He is telling that, after six months interval it is cleaned [composted feces is removed from the

5 feces chamber]. So he is available so he cleans. [Pause as respondent continues to speak.] So

6 family members can wash [the superstructure].

7

8 **AJG:** Have you applied the manure to your fields yet?

9 **022:** Yes. They are using this...in the cauliflower, especially in the vegetable field. And she is telling

10 that the vegetable are very tasty. And the size of the cauliflower is very big.

11 **AJG:** Bigger than before?

12 **022:** Yes.

13 **AJG:** Can you describe to me the steps you use when you apply the manure to the fields?

14 **022:** He is telling, collecting the feces is...[Pause as respondent continues to speak.] So after collecting

15 he feces as manure, they keep in the field, mixing with some ashes. And two or three days they

16 keep in the sunlight, then they spread out in the field. This is number one...this one technique.

17 And during the cabbage cultivation, what they do, they make a ring under the cabbage root then

18 the cabbage become more fertile...grow...

19 **AJG:** Do you use gloves when you handle the manure?

20 **022:** Yeah, they use gloves.

21 **AJG:** How often does...

22 **022:** Very good technology. Ok, if the gloves are not available they use the polyethylene. You know

23 the polyethylene bag?

24 **AJG:** Yes.

25 **022:** They use the poly bag on their hand, so they do not touch.

26 **AJG:** Do you use a shovel as well?

27 **022:** Yes, they use as well.

28

29 **AJG:** How often do you speak with someone from BASA?

30 **022:** BASA peoples come at 15 days or seven days interval...not only that, but 15 days or seven days

31 interval. Besides this, if there is some technical problem, the BASA people provide assist

32 them...this is the problem, you remove it. So on the job training, the provide it here.

33 **AJG:** How often do you consult BASA with a problem, with the toilet?

34 **022:** So far, they have not faced any problem.

35 **MM:** When...oh. [The toilet was installed in] 2008. Just I am asking, did you face any problems from

36 now until 2008?

37 **022:** Oh, the problem is some thieves...the thieves take away their manure, and the cover, and

38 sometimes they cut their water tank pipe connection...they cut it and they take it away. That is the

39 problem. Otherwise, regarding the use, there is no problem.

40 **AJG:** How do you prevent...

41 **022:** Now they are using the locks, and the chain. So the rate has been decreased. [Pause as respondent

42 continues to speak.] When they left the residence or goes somewhere, they lock the toilet, and

43 also put the chain.

44 **AJG:** Do you lock it at nighttime?

45 **022:** Actually it happens when they are not staying in the residence at the time. It is, you know, the

46 very petty thief. They take it away and sell it in the market.

47

48 **AJG:** Every time you have to use the toilet, do you use this toilet?

49 **022:** Yes. They use very time.

50 **AJG:** Even just for urination?

51 **022:** Yes.

52

53 **AJG:** How long did it take you to adjust to using this toilet?

54 **022:** Three to four months.

55 **AJG:** Before you were comfortable?

56 **022:** Yes.

1 **AJG:** Did the children adjust more quickly, or more slowly?
2 **022:** It takes time for the children.
3 **AJG:** More time?
4 **022:** A little bit. Because they have to learn this way, this quantity of water, like this.
5 **AJG:** The children are three and six. Are they using the toilet by themselves?
6 **022:** They go inside, but they stand besides of them.
7 **AJG:** So they are accompanied?
8 **022:** They are accompanied by their guardians.
9 **AJG:** Do they have difficulty using the toilet, or is it comfortable for them?
10 **022:** Ok. Now they are facing a little problem, but they are overcoming. Initially it was a little
11 problem for them, but now it is overcome.
12
13 **AJG:** What were the major considerations for you in installing the toilet? What would you say were the
14 biggest reasons you wanted this toilet?
15 **022:** Number one is that, before installing, the children was using...there was no toilet particularly.
16 They put their feces here and there, and there was contaminated diseases and everything. That is
17 the reason.
18 [Pause as respondent continues to speak.]
19 Now they are aware that this organics farm is not harmful for the health, so now they are using the
20 organic manure for producing the agriculture products.
21 [Pause as respondent continues to speak.]
22 Now the price of the manure is very high. So now they can produce manure in their house and
23 they are using in the field. No need to purchase from the market. And these are not the chemical
24 fertilizer. So, they are not spending money to purchase the chemical fertilizer, so now they can
25 save the money. [Pause as respondent continues to speak.] He is telling this...they are very happy.
26
27 **AJG:** So even though the cost of this toilet was quite high, you are pleased with your decision?
28
29 **022:** Ok...One interesting thing, before installing the EcoSan toilet when the message was this, 'This
30 EcoSan toilet, if you get he manure, the manure is very productive.' So what they did, they use
31 the fertilizer purchasing from the market. And they throw this fertilizer in another field. And they
32 use the fertilizer that is produced from the EcoSan toilet. And the rate of production [in the
33 EcoSan fertilized field] is higher than that field. That is why they are very much interested to use
34 this fertilizer.
35 **AJG:** Who conducted this study?
36 **022:** BASA. There is two field. One is EcoSan toilet, one is the normal.
37 **AJG:** Did this study influence your decision to build a toilet for yourself?
38 **MM:** Yes. After that, it was a demonstration effect. After that, 30 EcoSan toilet were installed. You
39 can see, every house [in this cluster] has a toilet.
40 **022:** Oh. Also, they are a member of the micro-credit association.
41
42 **AJG:** Ok. And what is your primary source of income?
43 **022:** Agriculture.
44 **AJG:** Do you ever sell any of your fertilizer?
45 **022:** Yes...No. From the EcoSan no, he use it in the field. Bu the vermi compost, he sell outside.
46 **AJG:** If he were to compare the quality of the vermi compost to the EcoSan compost, how do they
47 compare?
48 **022:** He is telling, from the EcoSan toilet, the quantity is too much high. But the vermi compost is
49 around the year. Bu the importance is ok.
50 **AJG:** But he quality is the same?
51 **022:** This is different.
52 **AJG:** Which is of better quality?
53 **022:** EcoSan. EcoSan toilet is of better quality. But quantity is very less.
54 **AJG:** How much do you sell the vermi compost for?
55 **022:** So...ok...for each installment he sells vermi compost for 16,000 taka.
56 **AJG:** For how much weight?

1 **022:** 30 kg is 400 taka. Plus / minus. Plus / minus. [Pause as respondent continues to speak.] And the
2 worms...vermi...per kg vermi is sold 1,500 – 2,000 [BDT].
3 **AJG:** Just for the worms?
4 **022:** Just for the worms...per kg.
5 **AJG:** Have you ever considered selling the fecal compost?
6 **022:** He is telling...that we are not thinking about selling in the market, because we like to use this
7 manure in the field. When it is sufficient enough, then we will think about selling it.
8 **AJG:** Do you think that people will buy it?
9 **022:** Yes...he is telling, that it is a demonstration and people will purchase it. When they see the winter
10 garden crop production, then they will purchase it.
11
12 **AJG:** Let me ask just a final few questions here.

[31: 09 : Begin collecting demographic information]

[32:38 : END OF INTERVIEW]

Date: 9/12/2011

Latrine No.: 017

Interview No.: 023

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	11:27	██████████	Pajulia Village
Interview end:	11:40	██████████	Gazipur Upzilla
		██████████	Gazipur District
		██████████	Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Sunny	Very Humid	Helena

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	30	Female Head

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
10	10	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	1

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MM: [REDACTED]

FR: [REDACTED]

- 1 **AJG:** Interview 023. So how did you come to install this toilet here?
2 **023:** The thing is that...one of her relatives installed the EcoSan toilet before, and from that she was
3 inspired and installed EcoSan toilet.
4 **AJG:** Had you used that EcoSan toilet before?
5 **023:** Not.
6
7 **AJG:** What was it about the relative's toilet that mad you want to install one?
8 **023:** The main reason is for the manure. That is the reason. Manure, and the office is giving the
9 necessary training, and the cost sharing method. Cost-sharing...that is a very important thing.
10 **AJG:** Any other reasons besides those?
11 **023:** The main reason...there is no specific reason, but the reason is that they are getting the manure.
12 What they are telling and explaining, that is the reason.
13
14 **AJG:** Did you have any reservations about using the manure?
15 **023:** She does not have any reservation to sue this manure.
16 **AJG:** [Handed a small baked good] Oh, thank you very much. Thank you.
17 **MM:** That is called homemade cake.
18 **AJG:** It looks delicious.
19 **MM:** It is very tasty. It is very hard to do.
20 **AJG:** It is very good.
21 **MM:** It is very tasty, and very hygienic. Homemade.
22
23 **AJG:** Did she initially have any problem s with the use of the EcoSan products?
24 **MM:** Before that, they are telling that we have to cook.
25 **AJG:** So we only have a few minutes?
26 **MM:** Yes, so the question is?
27
28 **AJG:** Did she very feel any reservation about using the Eco-fertilizer?
29 **023:** Initially there was a problem....how much water can be used, how much ash should be used. But
30 now there is no problem at all.
31
32 **AJG:** I noticed there are a few things that are damaged with the toilet. Will these be repaired?
33 **023:** Yes, this will be repaired.
34 **AJG:** And who will do the repairs?
35 **023:** One of his relative has received training before, and he knows how to repair it, and he has done it.
36 **AJG:** What do you expect the repairs will cost?
37 **023:** 5,000 [BDT].
38
39 **AJG:** May I ask some questions about women's hygiene?
40 **023:** Yes...but small.
41 **AJG:** Does the toilet work well for women's hygiene?
42 **023:** Yes, they can use. Particular time they are not using it.
43 **AJG:** They do not use it during menstruation?
44 **023:** No...they use it. N there is no problem to use it then.
45 **AJG:** And it is better than...what was her former toilet?
46 **023:** Slab toilet. Before that they had a slab toilet, but they have demolished it.
47
48 **AJG:** Just a few minutes? Ok. Did the ring-slab toilet have any advantages to this toilet?
49 **023:** There are two advantages of [inaudible]. They are getting manure, number one. Number one.
50 There is no leakage of water. So there is no water borne diseases here.

1 **AJG:** Were there problems in your family with diarrheal disease before?
2 **023:** No, there is no problem.
3 **AJG:** Was there before?
4 **023:** Yes, before. When there was a ring-slab, there was a problem.
5 **AJG:** How often would you see diarrheal disease in the household?
6 **023:** At present, now once in a year. But before it was frequent. Not from the toilet now, but maybe
7 from taking food from the outside.
8 **AJG:** What is frequent?
9 **023:** Once in a year.
10 **AJG:** But before, what was frequent?
11 **023:** Oh. Every two to three months.
12 **AJG:** How long would episodes of diarrheal illness last?
13 **023:** Four or five days.
14
15 **AJG:** Who was the primary decision-maker with regards to this toilet?
16 **023:** One of her relatives. Her name Jahana. [Pause as respondent continues to speak.] Oh...brother in
17 law. Her brother in law, he insisted her to build this.
18 **AJG:** The brother in law?
19 **023:** yeah.
20 **AJG:** Was it discussed with the whole family?
21 **023:** Yes.
22 **AJG:** And did everyone agree to install this toilet?
23 **023:** Yes, all agreed.
24
25 **AJG:** And what was the financing model for this toilet?
26 **023:** Cost-sharing method. Same thing as before. Cost-sharing. [Pause as respondent continues to
27 speak.] Oh...they are asking, 'We are using the EcoSan toilet, can you arrange for us to visit the
28 United States?'
29 **AJG:** I could try, but I do not know the right people.
30 **023:** They have also visited some parts of Bangladesh. Rajshahi. For Exposure visits.
31 **AJG:** They are very few toilets in the US.
32
33 **AJG:** Are there any frequent or recurring problems that you have with this toilet?
34 **023:** No problems.
35 **AJG:** No problems getting ash?
36 **023:** Ash is available here.
37
38 **AJG:** What if the toilet is used improperly, what would you do?
39 **023:** As...because they are using the toilet properly...they have got training...on the job training how
40 to use it from flip chart. That is why it is not a problem.
41
42 **FR:** BASA has...she is telling like this. There are two ways of BASA contributing here. BASA aware
43 this community people, number one. And when they became aware, BASA provided technical
44 support and financial support with respect to cost sharing. So the ownership is now becoming on
45 the shoulder [of the user], and the cost sharing is now becoming now, the whole percentage is not
46 born by BASA. BASA is giving a significant amount, and they are giving a significant amount.
47
48 **MM:** Ok, now they are telling us to please let them go cook.
49 **AJG:** Ok, just a few quick questions.

[11:34 : Begin collecting demographic information]

[13:28 : END OF INTERVIEW]

Date: 9/12/2011**Latrine No.: 018****Interview No.: 024****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:51	██████████	Pajulia Village
Interview end:	12:01	██████████	Gazipur Upzilla
		██████████	Gazipur District
		██████████	Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Sunny	Very Humid	Samina

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	40	Female Head

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
30	30	3

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	3	1

NOTES:

Respondent indicates that her married daughters often visit, during which point the number of users can swell to 20 or 25

TRANSCRIPT

Respondent: [REDACTED]

- 1 **AJG:** Interview 024. When was this toilet installed?
2 **024:** In 2008.
3
4 **AJG:** What has your experience with this toilet been so far?
5 **024:** They are getting the organic fertilizer. There are not water borne diseases...and they can reuse the
6 urine.
7 **AJG:** How often are you able to reuse the fertilizer?
8 **024:** After six months they take it out and keep in dry...and make it dry, and put it in the field.
9
10 **AJG:** How do you feel about using this type of fertilizer?
11 **024:** They feel comfortable.
12
13 **AJG:** Do you use any chemical fertilizers as well?
14 **024:** Not now. They did before. Now they are using this [EcoSan fertilizer], not using chemical
15 fertilizers.
16 **AJG:** How much would you spend on chemical fertilizers before?
17 **024:** Ok. 30 kg chemical fertilizers was 300 taka. Now they are not using any. Now the price is high.
18 **AJG:** Oh, now the price has increased?
19 **024:** Now the price is very high. This is the price three years back.
20
21 **AJG:** How often does your urine vessel fill?
22 **024:** When the people of this family becomes huge, it fills in one day. Now it takes seven days,
23 because only three or four people are using.
24
25 **AJG:** Where do you use the urine? On which crops?
26 **024:** On the cabbages here...and also on the lychee here. Also guava, jackfruit...
27 **AJG:** So mostly on the fruit trees?
28 **024:** on the fruit trees, yes.
29
30 **AJG:** Do your neighbors consider it acceptable to use the urine on the crops?
31 **024:** Now people are interested. Now they are depositing money from the site. And after depositing
32 they will install again. The others, those who have not installed. They are now aware. This is not
33 the initial stage.
34
35 **AJG:** Do you know other people that have EcoSan toilets in the area?
36 **024:** Yeah, they know. They know maybe thirty or more... thirty plus.
37 **AJG:** Do you ever discuss problems with the toilet?
38 **024:** Yes, they discuss.
39
40 **AJG:** If you were to move house, to another village, would you build this toilet again?
41 **024:** Ok. She is saying that they would not leave this place, as this is our paternal land. So no need to
42 remove it or move it to another place.
43 **AJG:** Would they ever consider using another type of toilet? Would they want another type of toilet?
44 **024:** No they are now feeling comfortable to use.
45
46 **AJG:** How much did this toilet cost you?
47 **024:** Cost sharing: 6,000 [BDT funded by users], 10,000 [BDT funded by donor organization].
48 **AJG:** And after using this toilet, would you be willing to contribute more than 6,000 taka for this type of
49 toilet?
50 **024:** Yes, they agree.
51
52 **AJG:** And how much would they pay, again if...?

1 **024:** He is telling it is also learning, no problem. So if it is needed then he can contribute himself. And
2 only the two houses...[Pause as respondent continues to speak.] Ok... She has a future plan that
3 after a few years, she will install a supply line and water pump machine so that a frequent water
4 supply is ensured.
5 **AJG:** Directly into the superstructure?
6 **024:** Yes.
7 **AJG:** How much water does the toilet require now?
8 **024:** 40-50 liters.
9 **AJG:** A week?
10 **024:** Per day. It depends on how many users.
11
12 **AJG:** How many people are using this toilet regularly?
13 **024:** Three. Three...the thing is that her daughter has married outside. Now three are staying here. At
14 that time [when respondent's daughters visit] 20 or 25 people are here. At that time water is used,
15 and plenty of urine, but now is only three.
16 **AJG:** When you have this 20 – 25 people...
17 **024:** When her daughters, and the husbands, and the children come here, at that time it is 20 – 25. At
18 that time, the manual...urine, the quantity is very high. But now it is three.
19 **AJG:** When you have 20 -25 people, is everyone comfortable using this toilet?
20 **024:** Yes...yes. She has already given information, how to use it, so it is not a problem. So even the
21 young boys can use properly. Each and every know how to use this.
22 **AJG:** Nobody seems to have a problem?
23 **024:** No. So two years old baby, that baby is also using that toilet.
24
25 **AJG:** Wow. Good. Just a few more questions. How old are you?
26 **024:** 40.
27 **AJG:** Are you the female head of the household?
28 **024:** Yes.
29 **AJG:** How long have you lived in this village?
30 **024:** 30 years.
31 **AJG:** In this house, how long?
32 **024:** 30 years?
33 **AJG:** And in the village, 30 years?
34 **024:** Yes.
35 **AJG:** There are three people in the household?
36 **024:** Yes, at present.
37 **AJG:** One child...how old?
38 **024:** Now at present, one child is living here is ten years old, at present. But there is another daughters
39 who is not living here.
40 **AJG:** Ok. Thank you very much.

[10:13 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 019****Interview No.: 025****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	10:38	██████████	Pobonkul Village
Interview end:	11:04	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
34°C	Sunny	Very Humid	Nur Md.

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	44	Yes

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
44	44	11

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6-8	0

NOTES:

Latrine 019 currently underconstruction

Substructure nearing completion, with subsurface sand layer, brick and concrete slab complete

Mason currently working on substructure mason work

All information regarding the users of this toilet reflects the prospective users when the toilet is complete

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** Interview 025. Can you tell me how you came to install this EcoSan toilet?
2 **025:** Mr. Shahalom...this is the first one in this village. He is a cousin to him.
3 **AJG:** So it is a blood relation to him?
4 **025:** Yes.
5 **AJG:** Have you ever used his [EcoSan toilet]?
6 **025:** No.
7
8 **AJG:** Is this your ring-slab toilet here?
9 **025:** yeah. Ring-slab latrine.
10 **AJG:** And this is his?
11 **025:** Yes, this is what he is using.
12 **AJG:** Will you remove this ring-slab?
13 **025:** After completing this toilet, he will remove it.
14 **AJG:** Who made the decision to install this toilet?
15 **025:** He discus with his mother, father and also his brother. After discussing, they decide about this
16 toilet.
17
18 **AJG:** What sort of things did you discuss when making the decision? What were the most important
19 elements of the discussion?
20 **025:** Because of this toilet reduce of pollution, and make fertilizer, these are the man things.
21
22 **AJG:** How do you feel about using the EcoSan products? About using the fertilizer?
23 **025:** Currently, he has no land. He provide this fertilizer to other people in this village. Provide.
24 **AJG:** Will you sell the fertilizer, or give it away?
25 **025:** He is not thinking about this matter...the free or sell. After producing fertilizer, he will discuss.
26 **AJG:** When do you expect this toilet to be finished?
27 **025:** About one month.
28
29 **AJG:** One month from now. How many people will use this toilet?
30 **025:** First time, this toilet used the six people. And trying to use all of this people in the family.
31 **AJG:** Six people. And any children?
32 **025:** Four children.
33 **AJG:** What are their ages?
34 **025:** There is no child. No child.
35 **AJG:** Six adults?
36 **025:** The most young one is ten years.
37
38 **AJG:** So, when you begin to use the toilet, in two week he will have urine. What will he do with this
39 urine?
40 **025:** He...he provide to another people.
41 **AJG:** Have you spoken to other people who may want to receive this?
42 **025:** No.
43 **AJG:** He has not yet. Ok. Have you had any incidence of diarrheal disease in your family?
44 **025:** Very few. He suffer from diarrhea 25 years ago.
45
46 **AJG:** That's it? Lucky him. I am not sure I understand the primary reason why he wants to install this
47 toilet...there has been no illness in the family, and he has no land.
48 **ZL:** It is because he is very interested.
49 **AJG:** Who wanted to install the toilet the most in the family?
50 **025:** He is the most...interested.
51 **AJG:** Do you think this toilet will increase social status or prestige?

1 **025:** He installed this toilet only for his need of the toilet.
2 **AJG:** Only for...what?
3 **025:** Not for status. Only for...
4 **AJG:** Just to have a better toilet?
5 **025:** Yes.
6
7 **AJG:** What is the financing model here?
8 **025:** Also a [sari] weaving factory is here [which the respondent owns]. This is the main earning
9 source.
10 **AJG:** Oh...and this is his primary income?
11 **025:** Yes. Primary income.
12
13 **AJG:** What is the financing model for the toilet? Ho much is paid by DSK, how much by the user?
14 **ZL:** Total cost is 37,000 [BDT]. 50% DSK shared, and 50% Mr. Nur Md. 50-50 share. Firstly we
15 share the 37,00 taka...the whole taka. Total amount. And he back the 50% loan in installment.
16 **AJG:** So has he bought the supplies for this toilet?
17 **025:** No.
18 **AJG:** He will pay each month?
19 **025:** Yeah.
20
21 **AJG:** Is the cost of the toilet a financial burden? Is the cost a burden for the family?
22 **025:** They ask me...they need the toilet. And it is a need for them. It is not difficult. Not so difficult
23 for them to bear this amount. Very little installment. Every month about 900 or 950 BDT,
24 minimum. Not difficult for them
25
26 **AJG:** Again...what is wrong with the ring-slab? Why does he want to improve his sanitation situation?
27 **025:** Sometimes this toilet is for the smell...some odors. This is one kind of problem.
28 **AJG:** How often do you have to clean this ring-slab?
29 **025:** After one year, he do this.
30 **AJG:** Have you...Do you think that people in this village will want to use the fertilizer from this toilet?
31 **025:** Some people of this village already use this fertilizer.
32 **AJG:** What are the attitudes in this village with regards to this fertilizer? Is it widely accepted?
33 **025:** This is the first time in this village...most people try to accept. And he hopes that people will
34 accept.
35 **AJG:** Most people will accept it he thinks?
36 **025:** Yes. The not accept it people is very less.
37 **AJG:** Do you accept the use?
38 **025:** He already answered. He already accept this fertilizer, and after he decide to build this toilet.
39
40 **AJG:** What sort of training to use this toilet have you already received?
41 **025:** He learned from his cousin. After completing this toilet, our training officer will train here.
42 **ZL:** Like this last one, the one you see the training...the orientation program. DSK will also arrange
43 here the orientation program before he use this toilet. Before completing the construction of.
44
45 **AJG:** Did you choose the location of this toilet? Let met ask this way. How much of a role did Mr. Nur
46 play in the selection of the design and location of the toilet?
47 **025:** This is the boundary level of the home, and this is suitable for them. That is why it is in this area.
48 **AJG:** Was he presented, or shown different designs of the toilet? Did he play any role in the toilet's
49 design?
50 **ZL:** About the design, he get information from DSK.
51 **AJG:** He did not choose the design? IT is from DSK. The same one you have shown me.
52 **ZL:** Yes. Most of the same design we try to follow.
53 **AJG:** Good. It is a good design. Is it a concrete pan?
54 **ZL:** Yes
55
56 **AJG:** Have you had any negative reactions from people in the community regarding this toilet?

1 **025:** He discussed with another two people...the neighbor people and he influence. He will give
2 influence him.
3 **AJG:** They encouraged him to build it?
4 **025:** Yes.
5 **AJG:** So no negative responses?
6 **025:** No. Not negative.
7
8 **AJG:** What will he do if no one wants to take the fertilizer?
9 **025:** He is not sure now. When the compost is ready, and the farmer who will need this fertilizer, he
10 will collect and empty this...he is thinking. Now he is dependent on the farmer.
11 **AJG:** Does he grow any vegetables or any fruits here?
12 **025:** The guava tree...the [inaudible]]. One kind of small fruit. The coconut tree.
13 **AJG:** Will he use the urine on these trees?
14 **025:** Hopefully.
15 **ZL:** Oh the mango trees also. You have seen in Rajshahi.
16 **AJG:** Yes, many. Will he use a small amount of the compost on these as well?
17 **025:** Hopefully, he will use.
18
19 **AJG:** Do you purchase...where does he buy his vegetables to eat?
20 **025:** Sometimes he buy orange...this is a foreign food orange. Mango also...and jackfruit.
21 **AJG:** What about his water source? Where does he get his water?
22 **025:** They will collect waster from another house.
23 **AJG:** A hand pump?
24 **025:** Motor.
25 **AJG:** Deep-tube well?
26 **025:** Yeah.
27
28 **AJG:** Just a few more questions.

[21:56 : Begin collecting demographic information]

[25:09 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 020****Interview No.: 026****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:31	██████████	Pobonkul Village
Interview end:	12:18	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
34°C	Sunny	Very Humid	Shah Alom

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	33	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
33	33	13

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	13	2

NOTES:

Mr. Shah Alom was the first person in Pobonkul to install an EcoToilet

All other owners of EcoToilets in Pobonkul are blood or marriage relations of Mr. Shah Alom
Husband of Respondent 027

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** Interview 026. What is her name?
2 **026:** [REDACTED]
3
4 [Note: During the first several questions of the interview, Fatima's husband, Mr. Shah Alom,
5 began to interject and dominate the interview. Mr. Shah Alom became the subject of the
6 interview, and Fatima became the subject of interview 027.]
7
8 **AJG:** Can you tell me about how you came to install this toilet here?
9 **026:** Oh...She first inform our DSK manager, Mr. Kadir [DSK Narayangonj District Manager Mr. Md.
10 Abdul Kadir]. First informed them Mr. Kadir.
11 **AJG:** And once you learned about the toilet, what was the next step in installing the toilet?
12 **026:** This is the first toilet in this village. After discussed with Mr. Kadir, she visit the toilet in
13 Behakoiyl [a neighboring village; reference is to Latrine 003].
14 **ZL:** The first toilet we have visited.
15 **AJG:** Yes, I remember...Babul. No...Not Babul?
16 **ZL:** Yeah, Babul.
17 **026:** He visited this toilet, and then they decide to build this toilet.
18
19 **AJG:** How long did it take to make this decision? How long did the discussion last.
20 **026:** The major discussion is taken from him. And he also discussed with his wife. [Pause as
21 respondent continues to speak.] Decision in four months. Four months getting to take decision.
22 **AJG:** What were the issues that were discussed in this four months?
23 **026:** First, he informed [REDACTED] they will take a decision in four months. During this time, he will
24 discuss with other people...another person, relative people. And with other people, he will discuss
25 about this toilet, what is the benefit, How they actually benefit this toilet. Then he visit the
26 Behakoiyl toilet, during the four months. Then he decided, he fix his decision, he inform our
27 manager, 'You come here, we need a toilet.' Then our manager came here, and he fill out a form.
28 **AJG:** So the people he was discussing with, did they already have EcoSan toilets?
29 **026:** Most of...not have their toilet. One, he already visited there [Behakoiyl]. Just he has visited there.
30
31 **AJG:** What were the most important things for you that this EcoSan toilet would provide?
32 **026:** Introducing DSK, by the one people Mokalis...another community people from DSK. They have a
33 land, a agricultural land. This is the main purpose. The fertilizer. This is the main reason.
34 **AJG:** Are you comfortable using this fertilizer?
35 **026:** He has not yet used. [Pause as respondent continues to speak.] Already using the urine.
36 **AJG:** Where are you using the urine?
37 **026:** Mango tree, jackfruit tree. Inside his home [the kitchen garden].
38 **AJG:** Not in the fields?
39 **026:** This time... these three months is heavy raining. That is why he couldn't use the urine outside of
40 this house.
41 **AJG:** So it won't be used until the dry season. During the dry season, will you use the urine in the
42 fields?
43 **026:** This is a rural land. Coming in the dry season, every year he will cultivate the vegetable in this
44 land.
45 **AJG:** On this land, that we are sitting on now [a 25 m² plot of open land on which the interview is being
46 conducted]?
47 **026:** Yeah. [Pause as respondent continues to speak.] He ask me...the maturity time...the vegetable
48 time after planting, the vegetable increases, 30 – 45 days. This time he will use this compost.
49
50 **ZL:** Already this papaya [which has been brought by one of the residents] is grown using the urine.
51 **AJG:** Good. This is papaya?

1 **ZL:** Yes...would you like to take now?
2 **AJG:** Perhaps after the interview.
3 **ZL:** The product of EcoSan.
4
5 **AJG:** What were the attitudes from the neighbors about using the EcoSan products?
6 **026:** The first time, no people made bad comments. After installing the toilet, three people were
7 encouraged by he. The rest of the three people ask about this toilet.
8 **AJG:** So nobody...was it difficult for you to adjust to using the toilet? To the idea of using the EcoSan
9 products in agriculture?
10 **026:** He already obtained from DSK, the four times of water, the urine mixture [four to one water to
11 urine mixture.]
12 **AJG:** Did they ever consider it disgusting to use the EcoSan products?
13 **026:** He ask me, after using this urine, properly wash his hands.
14 **AJG:** But he is very comfortable using the urine?
15 **026:** Yes.
16 **AJG:** Was he always so comfortable?
17 **026:** Before using, he well understanding.
18
19 **AJG:** I see. Did he ever use chemical fertilizers in his garden?
20 **026:** Yes...before he chemical fertilizer used.
21 **AJG:** In the kitchen garden as well?
22 **026:** Yes...chemical fertilizer he buy from the market. [Pause as respondent continues to speak.] He
23 already produced the compost by cow dung. Maximum, he will use this.
24 **AJG:** Ok. So he is using this and the urine in the kitchen garden. Doe she sell the cow dung fertilizer or
25 does he use it all himself?
26 **026:** He is using...his work. Sometimes the other people from outside want from him, and he give it
27 free. A few times.
28 **AJG:** But never sells it?
29 **026:** Never sell.
30
31 **AJG:** What other factors made you want to install this toilet? Anything else besides the fertilizer?
32 **026:** Just environmental pollution. [Pause as respondent continues to speak.] He asked him, when he
33 pour the urine directly in the ground level, it contaminate the ground water. In his opinion.
34 **AJG:** What contaminates the groundwater?
35 **ZL:** Urine. When some people are sitting here, produce urine. It contaminates the ground water. It is
36 not really, but he thinks.
37 **AJG:** But he still uses the urine anyways?
38 **ZL:** Yes. His opinion. His opinion, according to his understanding.
39
40 **AJG:** Was there any difficulty in adjusting to using this toilet?
41 **026:** He asked me, there is...not so difficult to use this toilet. He raised the problem of the ash.
42 Sometimes the ash is not available, and he collect from other households in the village. And
43 sometimes the neighbors is laughing.
44 **AJG:** Do they know what the ash is for? That it is for his toilet?
45 **026:** For this reason, they are laughing.
46 **AJG:** How often do you have to collect ash from the neighbors?
47 **026:** The collect ash from the neighbor two days?
48 **AJG:** Every two days?
49 **026:** Yeah. He already deposited a large amount of ashes...lost due to raining.
50 **AJG:** They lost the ashes due to rain? So the ashes became wet and they couldn't use them?
51 **026:** Already destroyed. [Pause as respondent continues to speak.] Already destroyed.
52 **AJG:** Do the neighbors ever charge you for the ashes, or are they given for free?
53 **026:** No. Sometimes he provide the free of cost cow dung. Give and takes. Sharing.
54
55 **ZL:** Do you want water? Deep tube well.
56 **AJG:** Ok. Fine. Thank you.

1
2 **AJG:** Who is currently using this toilet? How many people and who?
3 **026:** 13 people.
4 **AJG:** 13 people?
5 **026:** Yeah.
6 **AJG:** How many adults, and how many children?
7 **026:** Two child. First one is...five years. One is five years, one is two years.
8 **AJG:** Anyone else less than 15?
9 **026:** One female now is 15.
10
11 **AJG:** The children, five and two, are they using the EcoSan toilet now?
12 **026:** The five years children, he already use this EcoSan toilet easily. The two years, he is helping by
13 the mother.
14 **AJG:** What sort of toilet did you use before this EcoToilet?
15 **026:** There is no toilet.
16 **AJG:** No toilet here? Would they use the fields?
17 **026:** The people of this house not using the fields...use the toilet. Some people in this village still use
18 the land.
19 **AJG:** What about before this toilet?
20 **026:** They had a sanitary toilet...a ring-slab.
21 **AJG:** So there was a toilet here before this toilet...a ring-slab?
22 **026:** Yes.
23
24 **AJG:** Did anyone in the family have difficulty adjusting to this toilet from the ring-slab? With regards
25 to use?
26 **026:** First time, some people face difficulty using this toilet, but now they are already practiced.
27 **AJG:** How long did it take to become habituated?
28 **026:** Maximum one or two weeks.
29
30 **ZL:** Tasty [referring to the papaya that has been brought].
31 **AJG:** Yes it is very good. What type of fruit is this one?
32 **ZL:** This is also papaya. This one is green. This one is already matured. Some people like the green,
33 some people like the matured papaya. I like both [laughing].
34 **AJG:** I like them too.
35
36 **AJG:** Have you noticed a difference since you began using the urine in their crops?
37 **026:** Yeah. Before using this toilet, the papaya size was very small. [Pause as respondent continues to
38 speak.] And more growth.
39 **AJG:** Are you selling some of this fruit?
40 **026:** Yeah. The sell the papaya. [Pause as respondent continues to speak.] The backside of this
41 shed...there are 400 papaya tree.
42 **AJG:** 400? He has 400 papaya tree?
43 **026:** Yeah. Can you see?
44 **AJG:** We will see when we walk.
45 **026:** After installing this toilet, his production is very big...bigger than before. [Pause as respondent
46 continues to speak.] Before using this toilet, there was 20 or 25 tree. Now there are 400
47 approximately.
48 **AJG:** And he is using the urine on these trees?
49 **026:** Yeah.
50
51 **AJG:** How often is the urine applied in the fields?
52 **026:** Fifteen...35 liter container. It will take 15 or 17 days to fill. When it fill, they use in the garden.
53 **AJG:** And in these trees?
54 **026:** Yes.
55
56 **AJG:** Do you ever have visitors come to their home?

1 **ZL:** Now you are a guest.
2 **AJG:** But do they ever have guests stay over night?
3 **026:** When a female guest, the female will learn the guest. When a male guest, a male will learn.
4 [Pause as respondent continues to speak.] She is the mother [referring to an elderly woman
5 outside the home]. She is an elderly woman. This is why you see the railing.
6 **AJG:** Did you install the rail, or did DSK?
7 **026:** DSK.
8 **ZL:** DSK surveys, and if there are any disable people or aged people, they will install a railing.
9 **AJG:** Does your mother have any trouble using the toilet? She is aged people...she cannot alone use.
10 He or his wife are helping.
11
12 **AJG:** Do the guests ever make any comments about the toilet?
13 **026:** Some guests are...say it is difficult using ash. And some the movement, up an down [is difficult].
14 **AJG:** Do the guests know what this toilet is? That it will produce fertilizer?
15 **026:** Not only guest...this is the local way [road way] Some people, walking there, so people see the
16 heat panel, and they think 'What is the matter?'
17 **AJG:** Do they know it is a toilet?
18 **026:** Yes. He tell them.
19 **AJG:** Do guests or passers by ever say that it is inappropriate to use EcoSan fertilizer?
20 **026:** Guests are already informed by him.
21 **AJG:** And they don't seem to have a problem?
22 **026:** No.
23
24 **AJG:** What is the financing model for this toilet?
25 **026:** 900 taka. He cannot maintain according to date. DSK fix the installment date. Sometimes he
26 cannot meet the date.
27 **AJG:** What do you mean?
28 **026:** Sometimes he cannot pay on the date. Sometime he late.
29 **AJG:** How much total will he pay of the cost?
30 **026:** Until now?
31 **AJG:** Total.
32 **026:** 17,500 [BDT].
33 **AJG:** What was the total cost?
34 **026:** 50% amount. 17,500 [BDT]...total is 37,000 [BDT].
35
36 **AJG:** Despite...Even thought the toilet appears to be something of a financial burden, is he happy with
37 his decision to install this toilet?
38 **026:** Better...more than before.
39 **AJG:** In what ways is it better than before?
40 **026:** Already get the practice using this toilet. And this toilet is much...more than before.
41 **AJG:** What exactly makes this toilet better?
42 **026:** Odor. No odor. Odor is the main problem. This toilet, no smell or odor. No smell.
43 **AJG:** Have you seen any insects on the inside?
44 **026:** Sometimes the insects produce, and when he see this insects he provide more ashes...the hot
45 ashes. Hot, hot, hot...the burning ashes.
46
47 **AJG:** If his family were to move to another village, would your family install another EcoToilet?
48 **026:** His wife goes to his father in laws house, and house use this same toilet. And she also ask them to
49 make this toilet. And her father in laws house...the people already know about his toilet.
50 **AJG:** If he were to take his family, and move to another village, would he build another EcoSan toilet in
51 this village?
52 **026:** No. Not yet.
53 **AJG:** He wouldn't.
54 **026:** Oh...sometimes, the people...some people are interested about this toilet but the construction
55 amount is too high. If free, or less amount, they will invest in this toilet. Some people feel
56 interested, but that amount... Some people are interested, but it is too much.

1
2 **AJG:** Who is responsible for cleaning the toilet?
3 **ZL:** Ok...you see sari [weaving factory owned by Mr. Shah Alom] and ask his wife...it is very hot,
4 and there is no electricity.
5
6 [Recording paused as AJG sees weaving facilities.]
7
8 **AJG:** Ok. So who is responsible for cleaning the toilet?
9 **026:** His wife is mainly responsible for cleaning this toilet.
10 **AJG:** How often?
11 **026:** Generally one time...per week. Depending on if it is dirty. And if any guest use this toilet, if they
12 make it dirty again wash.
13
14 **AJG:** When will your compost be ready to use?
15 **026:** December 31.
16 **AJG:** What procedure...Can you ask him to describe to me how he will empty the feces chamber, and
17 what he will do with the fertilizer? What procedure?
18 **026:** He ask me, after December 31, he will ask DSK people, and follow them.
19 **AJG:** So he does not know now?
20 **026:** Not fully confidence now.
21
22 **AJG:** So maybe we can ask just a few more questions, and then we can speak with Fatima.

[44:10 : Begin collecting demographic information]

[47:14 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 020****Interview No.: 027****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:20	██████████	Pobonkul Village
Interview end:	12:35	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
34°C	Sunny	Very Humid	Fatema Akhar

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	25-26	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
3-4	3-4	13

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	13	2

NOTES:

Wife of Respondent 026

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** Interview 027. Ok. So what has your experience using this toilet been like so far?
2 **027:** The compost is covered...keep covered. There is no bad smell. Odor...[Pause as respondent
3 continues to speak.] Hen or, kitten or any cat cannot...touch this feces. That is why it is
4 better...more than before.
5 **AJG:** Are you happy with this toilet? Do you like it more than the ring-slab toilet?
6 **027:** yes.
7
8 **AJG:** Have you had any problems...before this toilet was installed, was there any problems with
9 diarrheal disease in the family?
10 **027:** Diarrhea is reduced after installing this toilet. They asked [told] me. And easily move here and
11 there, as there is no odor. They can easily move there.
12 **AJG:** How often was diarrheal illness a problem for the family before this toilet?
13 **027:** She is a member of this family for five years, after the marriage. And she cannot see after this five
14 years.
15 **AJG:** So, no diarrheal for the past five years?
16 **027:** Five years...she is now member for five years, after married. During this five years, she does not
17 see any diarrheal patient.
18 **AJG:** But this toilet has only been here for one year?
19 **027:** Yes.
20 **AJG:** I am a little confused. There has be no incidence of diarrheal in the family for five years?
21 **027:** Before five years she doesn't know. She just hear that the diarrheal was...but the last five years,
22 she does not see the diarrheal patient.
23 **AJG:** So there was no diarrheal even before this EcoToilet was built?
24 **027:** No.
25
26 **AJG:** Ok...I see. What sort of procedure do you follow when you clean the toilet?
27 **027:** She use a brush and water...but she all the tie aware that the water can never get into the...inside.
28 **AJG:** Into the feces chamber?
29 **027:** Yes. Just use brush and water.
30 **AJG:** No cleaning supplies?
31 **027:** Wheel powder...sometimes use the bleaching powder...Wheel powder. [Pause as respondent
32 continues to speak.] Oh...she does not use bleaching powder.
33
34 **AJG:** Have you found that this toilet is better for women to use than a ring-slab?
35 **027:** This is better.
36 **AJG:** It is better for women?
37 **027:** Yes.
38 **ZL:** I think she is not thinking about the female matters.
39 **AJG:** She is not, you think?
40 **027:** I think...she cannot tell me. She just...good for female. My understanding is that she does not
41 think about the female matters.
42 **AJG:** Can we ask?
43 **027:** No, we should not ask.
44
45 **AJG:** Does this structure offer better privacy than the ring-slab?
46 **027:** Better. Better privacy.
47
48 **AJG:** How do you make sure that other people do not use the toilet at night?
49 **027:** Lock. Locker system.
50 **AJG:** There is a lock at night, ok. What is the primary source of income for the family?
51 **027:** Sari [weaving factory owned by the family].

1 **ZL:** He ask me...you need to donate for this one.
2
3 **AJG:** Did you agree with the decision to install this toilet?
4 **027:** Also discussed with her.
5 **AJG:** And they both agreed?
6 **027:** They both agreed.
7 **AJG:** Do you ever participate in using the urine?
8 **027:** He [Mr. Shahalom, Respondent 026] and his elder brother.
9 **AJG:** Does she?
10 **027:** She does not.
11 **AJG:** Is that something she would be comfortable with?
12 **ZL:** Sometimes the female people does not go outside of house...that is why...that is why...the female
13 type of people...
14 **AJG:** What about in the kitchen garden here?
15 **027:** No...just he is using.
16 **ZL:** She is also cleaning but not use [the urine on the crops]. Like your wife.
17
18 **AJG:** Is she comfortable eating fruits and vegetables that have been fertilized with the urine?
19 **027:** He is not fully farmer...this is part-time work...that is why they fulfill their purpose.
20 **AJG:** But is she comfortable eating the fruits and vegetables that have been grown with the urine?
21 **027:** She is easily washing the fruits...yeah she cooks the vegetables. She is comfortable.
22
23 **AJG:** Is her cousin in the other village? Is that correct. Her cousin also has an EcoToilet?
24 **027:** All of the cousin. Some is maternal side and some is paternal side. Nur Md., cousin. Hanib,
25 Babul. [Pause as respondent continues to speak.] Babul is closely related.
26 **AJG:** Was this the first toilet amongst all of these people?
27 **027:** He {Mr. Shahalom} is the first in this village. And he encouraged them.
28 **AJG:** Babul was first?
29 **027:** No...he [REDACTED] was first.
30 **AJG:** Just a few more questions.

[12:51 : Begin collecting demographic information]

[13:49 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 005****Interview No.: 028****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:01	██████████	Pobonkul Village
Interview end:	13:36	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
34°C	Sunny	Very Humid	Hanif

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	35	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
35	35	20

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	2

NOTES:

Respondent indicated that the head of household is his elder brother, who is not using the EcoToilet
 Brother of Respondent 029

Number of users decreased by one from the reported number of users in Interview 009 as respondent's sister has refused to use the toilet

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** Interview 028, with [REDACTED] I last spoke with you the day this toilet was installed, before
2 anyone had used it. So I want to try and understand how your first two weeks with this toilet have
3 been.
- 4 **028:** He is just telling about, how he follow according to training. He first is sitting in the platform,
5 after defecating, he throw in the ashes, then one step back, for washing.
- 6 **AJG:** Have there been any problems using the toilet so far?
- 7 **028:** Not so problem. He is practicing. Not so...difficulty.
- 8 **AJG:** Who has been using the toilet?
- 9 **028:** He, and his wife, and his two child, and his mother.
- 10 **AJG:** Only five people?
- 11 **028:** Only five.
- 12 **AJG:** How old are the children?
- 13 **028:** Nine and eleven. One female and one male child.
- 14
- 15 **AJG:** Have they been away for the Eid festival, or have they been using the toilet regularly at the house?
- 16 **028:** During the Eid vacation some people...his two child visit his grandfather. Sometime she visit
17 another house. Less using, that's why.
- 18
- 19 **AJG:** Has anyone in the family had difficulty? Has the toilet been improperly used at all?
- 20 **028:** After completing this toilet, some people are easily using the toilet. Now these five people are
21 using, and it is very comfortable. One person is female, his sister, the first time she using this
22 toilet, she did not understand well. She is not using now.
- 23 **AJG:** She is not using it now?
- 24 **028:** That's right. She is not feeling comfortable.
- 25 **AJG:** What toilet is she using now?
- 26 **028:** The ring toilet.
- 27 **AJG:** Where is the ring-toilet?
- 28 **028:** Here.
- 29 **AJG:** On the property?
- 30 **028:** Yeah. Behind the road. We will see.
- 31 **AJG:** How many times did she try to use the toilet?
- 32 **028:** Everyday.
- 33 **AJG:** His sister?
- 34 **028:** Just one time. She cannot agree wit this toilet. And she never use. Just see. [Pause as respondent
35 continues to speak.] Regarding his sister, the firs time he included his sister to use this toilet.
36 After seeing and after completing this toilet, she see, but she cannot use this toilet.
- 37
- 38 **AJG:** Is there anything unexpected that you have encountered with this toilet?
- 39 **028:** There is nothing unexpected. No such thing.
- 40 **AJG:** Do you feel like the training you received was very helpful for learning to use the toilet?
- 41 **028:** If he had not received training, he cannot use the toilet. The training is very helpful for him.
- 42
- 43 **AJG:** How did you decide to install this toilet?
- 44 **028:** Mr. Shah Alom, his cousin, he first inform him...Mr. Shah Alom first ask you...you are poor, this
45 is an opportunity to build this toilet. It is also environment helpful, no odor. So it is a better
46 chance. So this toilet is better.
- 47 **AJG:** Now that you have this toilet, will you remove the ring-slab?
- 48 **028:** No...he is not thinking he will remove. He already know Mr. Shah Alom install for five to six
49 people. He has divided into two group; for EcoToilet group, and one group is for ring toilet.
- 50 **AJG:** Why? Because there are too many people in the home?
- 51 **028:** Yeah. Interested people are now using this toilet. It makes group.

1 **AJG:** Will you try to encourage other people to use this toilet in the home?
2 **028:** Sometimes he discussing about another group, but this is now processing. Or DSK unit manager
3 also informed them to get more than one EcoToilet, but they build...suitable feedback.
4 **AJG:** These toilets are generally designed for 6 – 8 people. Will more people try to use this toilet in the
5 future?
6 **028:** Regarding this project, he couldn't call to sue this toilet. If anyone is come, maybe the who will
7 come and want to use this toilet.
8 **AJG:** Oh...I see and there are 20 people in the household.
9 **028:** That's why he say to build another toilet here.
10 **AJG:** Will they build another toilet here?
11 **ZL:** They are not fully interested, and it is still under processing. If they are agree, we will provide
12 one.
13
14 **AJG:** Aside from the five users, does any one else use this toilet just to urinate?
15 **028:** No. [Pause as respondent continues to speak.] Just used one time.
16 **AJG:** Sorry, what?
17 **028:** He used just one time, the urine. In the fields, on the other side of the ponds. On bean.
18 **AJG:** Oh, on beans. You didn't use it in the kitchen garden here?
19 **028:** The bean...it is higher than this. The market value is very high. So he has first used here.
20 Sometimes he sell this bean. Cultivate and sell.
21 **AJG:** Can you describe to me how you used the urine, when you applied it?
22 **028:** After colleting the urine, for 14 days gap he is collect urine. He mixes water three times [three to
23 one water to urine ratio]. And he drug the...outside the tree, and pour the water.
24 **AJG:** Did you follow any hygiene procedures using the urine?
25 **028:** He generally not using any gloves or otherwise, he just empty into one kind of larger water pot,
26 and take to the garden.
27
28 **AJG:** Have you observed any water entering the feces chamber?
29 **028:** No. Very carefully. That is why he cannot allow out[side] people [to sue the toilet].
30 **AJG:** Every time that you urinate...
31 **028:** He ask a question, if outside people cannot use the toilet, how did he learn [question asked by the
32 respondent's cousin].
33
34 **AJG:** Every time that he must urinate, does he use the toilet? Urinate...
35 **ZL:** Urinate?
36 **AJG:** Urinate is to give off the urine.
37 **ZL:** Yeah, ok.
38 **028:** When he urinate he take one step to the forward, then leave the urine, and take one step back
39 **AJG:** And does he use this every time?
40 **028:** One he is inside the house, he always try to use [the toilet]. He is using the urine [in agriculture].
41 **AJG:** Does he ever use the fields or the trees?
42 **028:** Never. Before installing this toilet, he sometimes use this outside.
43 **AJG:** Why do you use this now? Is it more comfortable?
44 **028:** He is telling me, in our Bangladesh culture, urine outside is very bad. Another thing is that if he
45 urinate there, he can easily use it for the tree.
46 **AJG:** So he wants to use it for the fertilizer?
47 **028:** Yeah.
48
49 **AJG:** When did you use the urine in the bean field?
50 **028:** Four or five days ago.
51 **AJG:** Can he see any difference in the crops now?
52 **028:** He not understand yet. It will take more days... he tell me after one month.
53
54 **AJG:** Have you had any problems acquiring the ash so far?
55 **028:** He produces enough ashes.
56 **AJG:** How much ash do you use in the toilet?

1 **028:** Every time.
2 **AJG:** One scoop or two scoop?
3 **028:** One cup. He use two ashes...after using the coconut shell, one cup...one coconut shell. [Pause as
4 respondent continues to speak.] Two cups every time.
5
6 **ZL:** What is this name?
7 **AJG:** Coconut shell.
8 **ZL:** This is a general name...any thing specific?
9 **AJG:** I don't think so...
10 **ZL:** What about 'head'?
11 **AJG:** No...I think shell is correct.
12
13 **AJG:** Have you noticed any odor form the toilet so far?
14 **028:** No.
15 **AJG:** Any insects?
16 **028:** No insects.
17
18 **AJG:** You children, who are nine an eleven, do they use the toilet b themselves?
19 **028:** Yes, themselves.
20 **AJG:** o you check to make sure they have used it correctly?
21 **028:** He not checked, but he understand...he more than...they are more than experienced from him.
22 They more than use properly, for him.
23 **AJG:** Did the children begin to use the toilet themselves, from the first time? Or was there an adult with
24 them?
25 **028:** They use the first time by themselves, after training.
26 **AJG:** And they have not had any problems so far?
27 **028:** No.
28 **ZL:** I have asked him to sometimes check.
29
30 **AJG:** How much water are you using in the toilet now, per day?
31 **028:** One water pot inside. It is called *kolta*. One pot is maybe...
32 **AJG:** One and a half liter, maybe.
33 **028:** One and a half or two liters per day.
34 **AJG:** Is this less water than the ring-slab uses?
35 **028:** It is much...less needed than the toilet. This is less. For washing and flushing. The main reason
36 is the flushing. This is less water needed.
37 **AJG:** Where do you get the water form the toilet?
38 **028:** From this pond [immediately adjacent to the home].
39 **AJG:** And where do you get your drinking water?
40 **028:** They have a deep-tube well.
41 **AJG:** From DSK?
42 **028:** No.
43 **AJG:** There are a few small things I noticed with the toilet...will you put crushed brick or other coarse
44 material in the evaporation bed?
45 **028:** He provide after some days.
46 **AJG:** He will or DSK will.
47 **028:** DSK is already informing them to provide these coarse materials.
48 **AJG:** Why is there not any coarse material in the evaporation bed?
49 **028:** The already ordered the brick, and it is broken, but they did not get the time.
50
51 **AJG:** What is the financing model for this toilet?
52 **ZL:** How much money, or who is paying/
53 **AJG:** Both.
54 **028:** 50-50...DSK 50% and he is 50%
55 **AJG:** And what is the total cost of the toilet?
56 **028:** IT is near around 40,00 [BDT].

1 **AJG:** How many months will it take to pay for the toilet?
2 **028:** 20 months.
3 **AJG:** So about 1,000 taka per month?
4 **028:** Yes.
5 **AJG:** Is it difficult for him to pay this amount every month?
6 **028:** Not so difficult.
7
8 **AJG:** Do you feel a sense of pride about this toilet?
9 **028:** They feel a little proud about the construction of the toilet. Not so proud as [inaudible]. He has
10 told me he has need for this toilet. That is why there is no problem to pay.
11 **AJG:** Why did they need the toilet so badly?
12 **028:** They had one toilet. More than one, they needed.
13 **AJG:** Oh...there was only one toilet for 20 people...they needed more than the one ring-slab?
14 **028:** Yeah.
15 **AJG:** Are you happy to pay this 1,000 [BDT] per month?
16 **028:** It is no problem. 1,000 [BDT] is no problem. 20,000 [BDT], that is a problem, but the is paying
17 1,000 [BDT] in every month. That is no problem. Oh...18,500 [BDT]...same for DSK.
18 **AJG:** And it is 900 a month then?
19 **028:** Yes.
20
21 **AJG:** Ok. How long...how many days until you became comfortable using this toilet? Until it felt
22 natural to use the toilet?
23 **028:** Only one time.
24 **AJG:** When you go to the toilet, do you still have to think 'Front for urination, back for anal washing'?
25 **028:** Always he think. When he intentioned to go to the toilet, already, he is thinking.
26 **AJG:** So it is not natural yet. Is there anything else you would like to tell me about this toilet?
27 **028:** Nothing else.
28
29 **AJG:** Could we possibly speak with your sister?

[32:27 : Begin collecting demographic information]

[34:18 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 005****Interview No.: 029****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:39	██████████	Pobonkul Village
Interview end:	13:45	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
34°C	Sunny	Very Humid	Saleha

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	35	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
35	35	20

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	2

NOTES:

Sister of Respondent 028

Respondent is initially listed on the contract with DSK as a user of the toilet and has participated in the DSK training activities; however, respondent is not currently using the toilet

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** This is interview 029, Latrine 005. What is your name?
2 **029:** [REDACTED]
3
4 **AJG:** Have you used this toilet before?
5 **029:** She has not used.
6 **AJG:** And you don't want to try to use?
7 **029:** [Shakes head no.]
8 **AJG:** No. What is it about this toilet that you don't like?
9 **029:** She feels that [the ring-slab] is better than this.
10 **AJG:** Perhaps we could sit inside...I do not want her to feel embarrassed.
11 **ZL:** No...just laughing. This is a traditional way. This toilet. She feel discomfort with this toilet.
12 There is no other.
13 **AJG:** You like to use the ring-slab more?
14 **029:** Prefer this.
15
16 **AJG:** Are you willing to try the EcoToilet?
17 **ZL:** [She is] just laughing. No answer.
18 **AJG:**
19 **029:** She just prefer this one. They like this one and use this one.
20 **AJG:** Has your brother invited you to use this toilet?
21 **029:** Yeah.
22 **AJG:** But she has not used it?
23 **029:** Before construction this year, she was listed [as a user]. But she refused.
24 **AJG:** So she was willing to try it initially, but later refused?
25 **029:** No...he [respondent's brother Hanif, owner of Latrine 005] was thinking she will use. But after,
26 when she knows about this toilet, she refuse.
27
28 **AJG:** Why do you refuse?
29 **ZL:** There is no cause.
30 **AJG:** Does she have a problem with using the urine on the plants?
31 **029:** No. No problem.
32 **AJG:** It is a just a behavioral issue.
33
34 **ZL:** I asked her if one EcoToilet is built there, if she will use or not. She is not sure.
35
36 **AJG:** Will you ever use this toilet?
37 **029:** Not sure. The main problem is the up and back [movement from the urination pan, to the
38 defecation port to the anal wash pan].
39 **AJG:** Is this what she said?
40 **029:** Another person shared. Maybe.
41
42 **AJG:** Do you think this toilet is more private...gives more privacy than the other toilet?
43 **ZL:** She cannot understand, I think.
44
45 **AJG:** Ok. Thank you very much. Just some basic information.

[6:31 : Begin collecting demographic information]

[7:09 : END OF INTERVIEW]

Date: 9/13/2011**Latrine No.: 004****Interview No.: 030****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	10:38	██████████	Pobonkul Village
Interview end:	11:04	██████████	Rupgonj Upzilla
		██████████	Narayangonj District
			Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Cloudy	Very Humid	Malik

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	10	No

Residency Information

Length of Residence in Pobonkul:	Length of Residence at Current Location:	Number of Residents in Household:
10	10	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	7	1

NOTES:

Son of Respondents 007 and 008

TRANSCRIPT

Respondent: [REDACTED]

ZL: [REDACTED]

- 1 **AJG:** This is interview 030. [REDACTED], thank you for speaking with me. I am interested in your toilet, and I
2 would like to talk to you about it.
- 3 **030:** He has agreed.
- 4
- 5 **AJG:** Can you tell me about your experience using this toilet?
- 6 **030:** Very well.
- 7 **AJG:** He likes it very well?
- 8 **030:** Yes.
- 9 **AJG:** How long have you been using the toilet?
- 10 **030:** Four months.
- 11 **AJG:** Do you feel comfortable using the toilet?
- 12 **030:** Really, he feels better.
- 13 **ZL:** I ask if it is falsely, or really. He says really.
- 14
- 15 **AJG:** Do you use the toilet by yourself, or with one of your parents?
- 16 **030:** Self directed. By himself.
- 17 **AJG:** How old are you Malik?
- 18 **030:** He is ten years.
- 19
- 20 **AJG:** Before this toilet, did you use another toilet?
- 21 **030:** One more toilet is...one is here. The ring-slab. Sometimes he use here, and sometimes at the
22 Madrasa. [Pause as respondent continues to speak.] When he is studying in school, he use the
23 school toilet. And when he study at home, this toilet he used.
- 24 **AJG:** Do you use this toilet every time you are home?
- 25 **030:** Every time, he use.
- 26
- 27 **AJG:** Can you describe to me what happens with the products from the EcoSan toilet?
- 28 **030:** He is describing the using procedure...one step back and down...
- 29 **ZL:** But you have asked about the fertilizer...
- 30 **AJG:** Yes, but don't use the word fertilizer. I want to determine his awareness of the reuse of the
31 excreta.
- 32 **030:** All type of fertilizer...he knows it can be used.
- 33 **AJG:** Do you think it is strange to use it as fertilizer?
- 34 **030:** It is better. He knows...He just knows it is better.
- 35 **AJG:** Better than chemical fertilizers?
- 36 **030:** Better than chemical?
- 37 **AJG:** He does not find it strange to use the EcoSan fertilizers in the field?
- 38 **030:** No. He is saying no.
- 39
- 40 **AJG:** Who taught you how to use this toilet?
- 41 **030:** Madam.
- 42 **ZL:** DSK madam.
- 43 **AJG:** Ok...so the DSK training officer
- 44
- 45 **AJG:** How long before you began to feel comfortable using the toilet? One week, or two weeks, or three
46 weeks?
- 47 **030:** He just told me, 'long days'...meaning he doesn't know. [Pause as respondent continues to speak.]
48 One week maybe.
- 49
- 50 **AJG:** Do you think this toilet is better than the ring-slab?
- 51 **030:** This is good.

1 **ZL:** I ask him why... [Pause] I will give him multiple answer, he just select my answer. One is
2 efficient. Second is no odor. I just answered the four answer...which one is best? [Pause] He is
3 confused.
4
5 **AJG:** So, you are in kindergarten, Malik?
6 **030:** This school is...two or three [hundred] meters. It is very close.
7
8 **AJG:** When this toilet was installed, did your parents talk to you about the toilet?
9 **030:** Yeah.
10
11 **AJG:** What do you do after you use the toilet?
12 **030:** He feels better.
13 **AJG:** Do you wash your hands?
14 **030:** He washing hands by using soap.
15 **AJG:** Is there always soap?
16 **030:** Always use soap washing hands. And also the mouth.
17 **AJG:** Is there always ash in the toilet?
18 **030:** Always ash.
19 **AJG:** Is the toilet always clean like it is now?
20 **030:** Clean.
21 **AJG:** Do you ever help to c lean the toilet?
22 **030:** His mother. [Pause as respondent continues to speak.] He help his mother by getting water.
23
24 **AJG:** Do you have any other responsibilities for the toilet?
25 **030:** He is mainly responsible when guests coming.
26 **AJG:** What is your responsibility when guests come?
27 **030:** By telling them how to use. He first is asking...
28 **AJG:** Can you pretend that I am a guest, and tell me how to use the toilet?
29 **030:** The main point...the center point is defecating. Washing is back side, and for urinate, front side.
30 **AJG:** If I were a guest, would he show me how to use it, or just tell me?
31 **030:** Show.
32 **ZL:** Now?
33 **AJG:** Sure.
34
35 [Begin practical demonstration of proper toilet usage]
36
37 **030:** Defecating, urinating, washing...hand washing.
38 **AJG:** Could you demonstrate how you use it? Please tell him he can lave his clothes on, of course.
39 **AJG:** So here, defecating. Ok. Will you cover the [feces vault] port before you wash?
40 **030:** Yes, before.
41 **AJG:** Ok...thank you. We can go sit.
42
43 [Leaving EcoToilet]
44
45 **030:** Some smell is...
46 **AJG:** Yeah, slight odor. [Pause] Oh, the new cover [Babul is showing the new feces vault vent cover,
47 which has been installed since the last visit to this toilet].
48
49 **AJG:** Thank you, Malik for showing me.
50 **030:** Thank you.
51
52 **AJG:** So I would like to get back to the idea of...So you think that this toilet is better than the ring-slab,
53 but why is it better?
54 **030:** It is clean. He comfortable use. That is why he cannot go there [to the ring=slab].
55 **ZL:** What is the name of this toilet?
56 **030:** Bathroom.

1 **AJG:** Well, he is right. Do you know the proper name of this toilet?
2 **030:** [Shaking head].
3 **ZL:** EcoSan...EcoSan toilet.
4 **030:** EcoSan...
5
6 **AJG:** Have you showed any of your friends this toilet?
7 **030:** No.
8 **AJG:** Do you feel proud of this toilet?
9 **030:** A little better...
10 **AJG:** He does feel proud?
11 **030:** Yes.
12
13 **AJG:** What makes this toilet comfortable for you to use?
14 **ZL:** This is difficult to answer for him...I understand, but...
15 **AJG:** We can try.
16 **030:** This [the EcoToilet] is clean, but that [the ring slab is not clean.
17 **AJG:** What makes something clean? Is it the smell? Or something that does not look dirty? Or
18 something that will not make you sick?
19 **030:** Flies cannot go there.
20 **AJG:** So no flies. Have you ever been sick with diarrhea?
21 **030:** No...Never.
22
23 **AJG:** Who taught you to wash your hands after you use the toilet?
24 **030:** Madam and parents.
25 **AJG:** Has your hygiene behavior changed since you began using this toilet?
26 **030:** He has already changed his behavior. No he is...
27 **AJG:** His hygiene is increased with this toilet?
28 **030:** More clean.
29
30 **AJG:** After you teach guests to use this toilet, do you think they use the toilet correctly?
31 **030:** He never has checked.
32 **AJG:** Do your parents check?
33 **030:** Yes.
34 **AJG:** Do you ever hear anyone complain about this toilet? Saying this toilet is difficult?
35 **030:** Always good.
36 **AJG:** People always say positive things. What about the guests?
37 **030:** Not one...say bad.
38
39 **AJG:** Your uncle lives across from here, correct?
40 **030:** Yes.
41 **AJG:** Is he interested in this type of toilet?
42 **030:** His uncle wants to share this toilet.
43 **AJG:** He wants to use this toilet as well, but he does not?
44 **030:** Sometimes he does use it.
45 **AJG:** Will he build one for himself?
46 **030:** He does not know.
47
48 **AJG:** How much water do you need when you use this toilet?
49 **030:** One pot or less.
50 **AJG:** For a day?
51 **030:** For one time...sometimes three times he use the toilet in one day. Two or three.
52
53 **AJG:** Do you help with the gardening at all?
54 **030:** He help...carrying water.
55 **AJG:** Does he ever help apply the urine to the fields?
56 **030:** He never.

1 **AJG:** If your father asked you to, would you be willing to help with that?
2 **030:** Sometimes, he normally goes and help. But he has not yet been called [on to help with this].
3
4 **AJG:** Do your friends from school know about this toilet?
5 **030:** They have already seen.
6 **AJG:** What do they think about it?
7 **030:** Well. It is good.
8 **AJG:** Do they know that you will use the urine from this?
9 **030:** Yes. Already he has told them.
10 **AJG:** And they don't have a problem with this?
11 **030:** They will accept it.
12 **AJG:** Just a few more questions. Malik, you said you are ten?

[26:48: Begin collecting demographic information]

[27:22 : END OF INTERVIEW]

Date: 9/13/2011

Latrine No.: 021

Interview No.: 031

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	11:24	██████████	Raicho Village
Interview end:	11:57	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Rain	Very Humid	Morsheda

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	35	No

Residency Information

Length of Residence in Raicho:	Length of Residence at Current Location:	Number of Residents in Household:
24	24	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	3	0

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 031. What is your name?
2 **031:** [REDACTED]
3
4 **AJG:** Can you tell me the story about how this toilet came to be installed here?
5 **031:** Actually she called the Japanese man, JICA. They come and aware them about the toilet. They
6 help them to install the toilet, and they share...share with JICA. This is the way she installed the
7 toilet.
8
9 **AJG:** Are there other toilets in the village that you know of?
10 **031:** She has said there are many toilet...30 or more toilets in this village. All are EcoToilets.
11
12 **AJG:** Who was the responsible for the decision to install this toilet?
13 **031:** She called her son, and then organization people...organization people...together to install the
14 toilet.
15 **AJG:** Her son, and who else?
16 **031:** Her son...her son is now abroad. After install the toilet.
17 **AJG:** So who is she living with here now?
18 **031:** Actually, her husband is also abroad. She is now staying with her mother in law.
19 **AJG:** Just the two of them living here now?
20 **031:** They live here two. But sometimes her daughter, who is married, come here too.
21
22 **AJG:** Who is the most responsible for the decision to install this toilet?
23 **031:** She called...it make it her duty, about this toilet. She is the owner of this toilet also.
24 **AJG:** Why did you want this toilet?
25 **031:** They are aware about the compost of this toilet, and the urine. They usually us it in their crop
26 fields, and kitchen garden, and fruit trees. So they want to install this toilet.
27
28 **AJG:** They use this compost?
29 **031:** Yes.
30 **AJG:** Where?
31 **031:** They use it in the crop fields, and the fruit trees. [Pause as respondent continues to speak.] That is
32 the guava tree. The also used here, and urine.
33 **AJG:** Do you use the urine on the crop fields as well, or just on the trees?
34 **031:** The do not use the urine in the crop field, but they use it in the kitchen garden and the fruit trees.
35 **AJG:** Why don't you use the urine in the crop field?
36 **031:** Actually they produce...how much there is enough for their kitchen garden, but not for the crop
37 field. So she used it in her kitchen garden.
38
39 **AJG:** Are you comfortable using this urine?
40 **031:** Yes. She feels comfort. She is satisfied.
41 **AJG:** Were you initially, when the toilet was first built, comfortable using it?
42 **031:** At the initial period, she feel some problem. But now they do not.
43 **AJG:** What sort of problem did you feel in this initial period?
44 **031:** Also they are trained how to use the toilet, but sometimes they forget it. This was the problem at
45 the first time. Now they have no problem to use this EcoToilet.
46 **AJG:** How long did it take her to adjust to the EcoToilet?
47 **031:** One or two weeks, just.
48 **AJG:** Are there currently any problems you have with this toilet?
49 **031:** No. There are no problems with this toilet.
50
51 **AJG:** Where do you get the ash for the toilet?

1 **031:** They get their ash from their cooking stove. The burning wood and the dry leaves, from the trees.
2 The get more ash from their cooking stove. It is not a problem for them.

3 **AJG:** It is not a problem, even though you cook only for two people? You still have enough ash.

4 **031:** They have no problem, because they boiled rice in their cooking stove. They are cooking for their
5 meal also, so they get enough ash from their cooking stove.

6 **AJG:** Have you ever had to collect ash from your neighbor?

7 **031:** No. Never. [Pause as respondent continues to speak.] But she gives other people the ash.
8

9 **AJG:** What sort of toilet were you using here before this toilet was built?

10 **031:** Ring-slab toilet. Before this toilet, they use a ring-slab toilet. It is also here.

11 **AJG:** Here in the same place?

12 **031:** Just beside it.

13 **AJG:** Were there any advantages to the ring-slab toilet?

14 **031:** No, they have no advantage from the ring-slab toilet. Actually, she calls the human feces, that is
15 used for compost, that is not used with that toilet. But they can use their compost in this
16 EcoToilet, she says.

17 **AJG:** Was it a difficult adjustment to begin using the EcoCompost? Did she ever find it disturbing?

18 **031:** The first time, people criticized them...criticized them to use compost that is made by the human
19 feces. But now they have no complaint about the reuse of the EcoToilet's compost.

20 **AJG:** What sort of criticism did you receive? What sort of things did people say?

21 **031:** People say, 'You use human feces to the vegetable field. This is not fair, because we eat this
22 vegetables.' This kind of problem at first. But when they look at the EcoCompost...the
23 EcoToilet's compost grow off more crops. Now they don't complain about it.
24

25 **AJG:** Is this toilet something you feel pride in?

26 **031:** Yes she feels proud, because this toilet never has bad smell. And when their relatives come to see
27 them, they also use the EcoToilet.

28 **AJG:** When your relatives come to visit, do they have difficult using the toilet?

29 **031:** Yes, they face some problems using this toilet. But they trained them, they learned them how to
30 use this. And now there are no problem.

31 **AJG:** Do you think they use the toilet correctly now?

32 **031:** Yes, they can. They can use it easy, by the rules.

33 **AJG:** Do you heck after they are done to make sure it is used correctly?

34 **031:** Yes. They do. They always do. When a new comer use this toilet, they always check it.
35

36 **AJG:** How many times have you used the fecal compost now?

37 **031:** Two times, and the have used the crops...crop field. One chamber is full now. And they use now
38 another chamber.

39 **AJG:** When will you empty the full chamber?

40 **031:** After six months from now.

41 **AJG:** When you used the fertilizer in the field, could you notice a difference with your crops?

42 **031:** She called...when they use EcoToilets compost in their crop field, it increase the production of
43 their crops, and fruits also.
44

45 **AJG:** Do you ever use chemical fertilizers also?

46 **031:** Little bit. Just a little bit. They use the chemical fertilizers just a little bit.

47 **AJG:** Did you use more chemical fertilizers before this?

48 **031:** Yes. They use more chemical fertilizers because the have no EcoCompost.

49 **AJG:** How much do you spend on chemical fertilizers?

50 **031:** She don't'...before install the EcoToilet, her chemical fertilizer cost was 1,200 – 1,500 BDT.

51 **AJG:** Per month?

52 **031:** Every four months. She needs it four times in a year. 1,200 to 1,500 taka.

53 **AJG:** And how much now?

54 **031:** Actually, she...the cost of chemical fertilizer increases now. She use compost...[Pause as
55 respondent continues to speak.] She has used some chemical fertilizer; it is 1,000[BDT], because
56 the cost of the chemical fertilizer now increases in our local markets.

1
2 **AJG:** How much has this toilet cost you?
3 **031:** 10,000 [BDT] or more. Around 11,000[BDT].
4 **AJG:** Do you know how much it cost total to build?
5 **031:** She share 2,000 [BDT]. Actual cost is 11,000 [BDT] to build this toilet. She share 2,000 [BDT],
6 and the organization installed it, the rest of the cost.
7 **AJG:** Was this 2,000 taka a financial burden? Was it difficult to afford?
8 **031:** No.
9 **AJG:** It was worth the cost for this toilet?
10 **031:** Yeah.
11
12 **AJG:** Is the toilet used every time?
13 **031:** Yes, they use it always, when they need.
14 **AJG:** Have you found it is good for women's hygiene?
15 **031:** She says there is no problem, and she feels more comfort than before. When the menstrual
16 hygiene condition, it is very usefulness for this issue.
17 **AJG:** Why is it better for menstrual hygiene?
18 **031:** Actually, she says when the menstrual hygiene, she feels comfort, because they have some
19 security in here. And they can use their human feces to compost. This is what she is saying.
20 [Pause as respondent continues to speak.] Sometimes in menstrual hygiene field, they feel
21 disadvantaged here, but they practice it for their EcoToilets compost.
22 **AJG:** They feel disadvantaged using this toilet for menstrual hygiene?
23 **031:** No. They throw it outside.
24 **AJG:** Oh, they deal with menstrual hygiene outside of this toilet.
25 **031:** No, no, no. They use it, but they throw their toilet papers and other things outside of this toilet.
26 Not in the defecating hole, but outside.
27 **AJG:** I see...their sanitary napkins are not disposed of in the toilet.
28
29 **AJG:** Has there been instance of diarrheal disease in the family since this toilet has been installed?
30 **031:** No.
31 **AJG:** Was there before?
32 **031:** Sometimes they are sick with diarrhea before they install this toilet. After that, there is no
33 diarrhea.
34 **AJG:** How often would the family experience diarrheal illness?
35 **031:** She says that after one or two months, they are sick with the diarrhea.
36 **AJG:** What do you think has lead to the reduction of diarrheal illness?
37 **031:** She says the toilet is clean, and now they are easy to use. The human feces never go outside. For
38 this reason, now they never get sickened with diarrhea.
39 **AJG:** Have your hygiene practices improved? Increased hand washing?
40 **031:** Yes. Before using this toilet...before thy installed this toilet, they don't know how to clean
41 herself. But now they know how to be clean.
42 **AJG:** Who taught you the hygiene practices?
43 **031:** They go the training in BARD about water and...water and sanitation hygiene program...in
44 BARD.
45
46 **AJG:** Are you able to use this toilet every time that you must?
47 **031:** Yes.
48 **AJG:** In the daytime, or at nighttime, no problems?
49 **031:** No, they have no problem in day or at night.
50 **AJG:** Was this a problem before, with the ring-slab.
51 **031:** Depends. They feel some problem with the ring-slab toilet.
52 **AJG:** In the day or at night?
53 **031:** At night. Actually at night. There are no light on that toilet, so at night the feel some problem to
54 use that toilet. And this one have light. So, actually at night they don't feel any problem for
55 defecation or urination.
56

1 **AJG:** How much water does the toilet use?
2 **031:** She says one or one and a half bucket of water every day. The bucket is 15 liters. One or one and
3 a half bucket of water every day.
4 **AJG:** 15 or 50?
5 **031:** 15 liters.
6 **AJG:** Is this less water than the ring-slab?
7 **031:** before you install this toilet, they use more water to wash and other things in the ring-slab toilets.
8
9 **MK:** Mr. Tony. This is a prayers day. The Muslim have a prayer day today, so he told me we have to
10 finish our interview in...12:45. Or quarter to one. We have to finish four interviews, because
11 today is the prayer days for the Muslim.
12 **AJG:** Ok, so we better finish then. Just one more question. What is the family's primary source of
13 income?
14 **031:** Her husband and her son...from abroad. Her husband and her son send money to her from abroad.
15 They are working people there.
16 **AJG:** Where?
17 **031:** Her son and her husband...usually they...
18 **AJG:** Where do they work? What country?
19 **031:** Her husband now in Kuwait. And her son in Saudi Arabia. They work there and send money to
20 her.
21 **AJG:** Ok. Thank you very much.

[33:40 : END OF INTERVIEW]

Date: 9/16/2011

Latrine No.: 022

Interview No.: 032

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	12:13	██████████	Raicho Village
Interview end:	12:41	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Rain	Very Humid	Aminul Islam

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	55	Yes

Residency Information

Length of Residence in Raicho:	Length of Residence at Current Location:	Number of Residents in Household:
55	55	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	0

NOTES:

Phase I toilet

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 032 with [REDACTED]. You are the owner of this toilet over here?
2 **032:** Yes.
3
- 4 **AJG:** Can you tell me how you came to install this toilet?
5 **032:** He says [REDACTED] [of BARD], after training from Japan in 2004; he called them and
6 learned them about EcoToilet at first. He told them that he human feces, it became a good kind of
7 compost. So they want to install a toilet, and they help him to install a toilet. And as soon as he
8 see, at first, chemical fertilizer for instance, at first the people does not wan tot use chemical
9 fertilizer, but when they learn, they use chemical fertilizer. Now they learn about compost, and
10 they use it and they make a decision to install EcoToilet.
11
- 12 **AJG:** Was this one of the first EcoToilets in this village?
13 **032:** yes. This is the first EcoToilet in this village.
14 **AJG:** Was it a difficult decision for you to install this toilet?
15 **032:** No, actually they have no problem. There are some problem in using, but not in installing, there is
16 no problem.
17 **AJG:** How long did the problems using [the toilet] last?
18 **032:** At firs they had some problem to use this toilet, but after that they easily use this toilet. And they
19 advise...improvise some condition of installment about this EcoToilet.
20
- 21 **AJG:** Did you ever feel stigmatized, or victim of any negative attitudes form the community about the
22 use of the EcoSan products?
23 **032:** At first they have some problem, they have some social stigma. People say the Christian
24 community make them Christian by installing this type of toilet. One of the imam, at firs the has
25 no toilet, but now the imam, they religious leader of this community, he took also a EcoToilet.
26 Now there is no problem, but at first there is some problem.
27 **AJG:** Despite some negative attitudes, what made you want to install this toilet anyways?
28 **032:** Actually there is no problem in installment, but there is some problems in the use [of] this toilet.
29 But the problem, actually, is how to use this toilet.
30 **AJG:** So what about the use of the EcoSan products? Are you using the urine and the compost now?
31 **032:** They use it huge times. Fourteen times they use. This is the first toilet, you know? And they
32 used their compost 14 times in their crop fields, and their fruit trees. And they always use their
33 urine in the fruit trees and the garden.
34 **AJG:** Do you use the urine in the crop fields as well?
35 **032:** Yes. They use.
36 **AJG:** Have you been able to tell a difference in the quality for yield of the crops?
37 **032:** He says that if he use compost instead of urea, they don't use chemical fertilizer...instead of that
38 they use EcoToilet's compost and the crop production is more and more. And it increase their
39 production.
40 **AJG:** So you are not using any chemical fertilizer?
41 **032:** No. Actually they don't use any type of chemical fertilizer. Just compost and the urine.
42
- 43 **AJG:** What sort of toilet did you have here before?
44 **032:** Ring-slab toilet.
45 **AJG:** Did the ring-slab toilet have any advantages to this toilet?
46 **032:** No.
47
- 48 **AJG:** Do you use this EcoToilet every time you have to use the bathroom?
49 **032:** Yes. Always use this.
50 **AJG:** If you only have to urinate, not defecate, you still use this?

1 **032:** Yes. Always use for urination and defecation. [Pause as respondent continues to speak.] And
2 when he go outside for this home...the rest of the time in his home, always use...in urination and
3 defecation, he always use this toilet.
4
5 **MK:** This is the prayer's call. *Azan*.
6
7 **AJG:** So who is using this toilet?
8 **032:** Four people us this toilet. [Pause as respondent continues to speak.] People use it...seven people,
9 but they have gone abroad. Three people of this family have gone abroad.
10 **AJG:** Are any children using it?
11 **032:** There are no children in this family. [Pause as respondent continues to speak.] When relatives
12 come visit, children are using it.
13
14 **AJG:** Is it ever difficult getting enough ash for the toilet?
15 **032:** There is no problem in this site. No problem in this site, he says. They have a lot of ash they
16 produce in their cooking stoves.
17
18 **AJG:** What is your primary source of income?
19 **032:** Agriculture farming...and send money from aboard.
20
21 **AJG:** If you were to move your house...move to another village, would you install another EcoSan
22 toilet?
23 **032:** Yes. [Pause as respondent continues to speak.] If he have all of this, he must install it, one
24 EcoToilet, this is a part of their life, he said. A part of their life.
25 **AJG:** There is nothing you would want to change about the toilet?
26 **032:** Mr. Tony, he wants to change it for the long space to install it. He try to take it...small area.
27 [Pause as respondent continues to speak.] They actually want to change the toilet design.
28 **AJG:** To make a larger space?
29 **032:** No...to make a smaller space.
30
31 **AJG:** Why did you install the toilet so far from your home?
32 **032:** Because this is a new installation of this house. His house is there when he install the
33 EcoToilet...his house was there [adjacent to the toilet]. [Pause as respondent continues to speak.]
34 Because he has no concept about this new home, so he install it there. Because at that time his
35 home was there.
36 **AJG:** When did you build this home?
37 **032:** In 2008. Three years before now.
38
39 **AJG:** Do you feel a sense of pride in this toilet?
40 **032:** Yes. He is proud. [Pause as respondent continues to speak.]
41 **MK:** He calls because of this prayers times...
42 **AJG:** We must go?
43 **MK:** No. Quick...quick.
44 **AJG:** Do you feel pride that you were the first person in this village to have an EcoToilet?
45 **032:** Yes...he feels proud that this is the first EcoToilet installed here. SO he has some videos, some
46 photographs all over Bangladesh. He also say on the TV channels... Channel 1 published their
47 program.
48 **AJG:** Really?
49 **032:** Yes, channel 1. It is one of the channels in this country. Channel 1. Many man come to here
50 every day. He is a famous person. When you discuss about EcoToilet in this place, his name.
51
52 **AJG:** You never felt embarrassed about using the EcoSan compost or fertilizer?
53 **032:** Actually, he is a trained person about compost and EcoToilet, so he has no problem; he has no
54 barrier to use the compost.
55
56 **AJG:** Are you married?

1 **032:** Yes.
2 **AJG:** Does your wife enjoy using this toilet?
3 **032:** No she has no problem to use this toilet.
4 **AJG:** When you decided to install this toilet, did you both agree?
5 **032:** He only make the decision. He make the decision.
6 **AJG:** And your wife is pleased with your decision?
7 **032:** Yes, she is satisfied with this decision.
8
9 **AJG:** Do you find that he toilet uses less water than the ring-slab latrine?
10 **032:** He say ring-slab toilet uses more water...about 1/3 [of the water required for the ring-slab toilet is
11 used for the EcoToilet].
12 **AJG:** This toilet uses one-third of the water?
13 **032:** Yes.
14
15 **AJG:** Is there anything you would like to tell me about this toilet?
16 **032:** Mr. Tony, this is an interesting thing. He tell me that if the space is make short [smaller] every
17 household want to take it here. But this space is too much big, in their view. [Pause as respondent
18 continues to speak.] Space is the problem, the main problem. He want to change, and he
19 recommend that each household take. [Pause as respondent continues to speak.] And he also
20 said...if there is a plastic in installation, and if they will get it ready made in the market, that will
21 be very easy for them to collect it and use it, ready made production. Using plastic or another
22 thing, that would be easier.
23
24 **AJG:** Have you ever sold any of the compost in the market?
25 **032:** No, they actually don't sell the compost because they use in their own field. [Pause as respondent
26 continues to speak.] but there is a market. Somebody wan tot buy it, but he has not enough. He
27 has told that especially in the rose garden it produce big flower. It make big flower.
28
29 **AJG:** How much did this toilet cost to install?
30 **032:** This is the first installation of EcoToilet, this cost 35,000 [BDT]. First installation, he did not
31 share.
32
33 **AJG:** Would you be willing to pay any money for this toilet?
34 **032:** He did not share any money. The organization cover all cost at first, they install this.
35 **MK:** Quite interesting, at first it was 35,000 [BDT]. Now they are 17,000 [BDT], 15,000 [BDT]. And
36 11,000 [BDT] also.
37 **AJG:** If you were asked to pay some money for this toilet, would you be willing to pay?
38 **032:** Yes.
39 **AJG:** How much would you be willing to pay?
40 **032:** 50%. 50% of total cost they want to share.
41 **AJG:** How may taka would that be?
42 **032:** 5,000 [BDT]...because the total cost is 11,000 [BDT]. So 5,000 [BDT] or 6,000 [BDT].
43 **AJG:** And if there was not organization to help subsidize this toilet, would you be willing to pay the
44 whole cost?
45 **032:** No. No.
46 **AJG:** Why not?
47 **032:** He says that, actually the farmer has no equality, no affordable situation...this type of money.
48 **AJG:** The cost is just too high
49 **032:** Yeah. It is interesting. The ring-slab toilet the cost is 2,500 [BDT].
50 **AJG:** Ok. Just a few more questions.

[25:43 : Begin collecting demographic information]

[26:50 : END OF INTERVIEW]

Date: 9/16/2011**Latrine No.: 023****Interview No.: 033****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:50	██████████	Raicho Village
Interview end:	13:38	██████████	Comilla Upzilla
		██████████	Comilla District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Rain	Very Humid	Shahanara

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	35	Female Head

Residency Information

Length of Residence in Raicho:	Length of Residence at Current Location:	Number of Residents in Household:
25	25	9

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	9	0

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 033. What is your name?
2 **033:** [REDACTED]
3 **AJG:** Oh. Is she related to [REDACTED]
4 **033:** Begum is actually when our married women...actually use this as their last name. Actually is it
5 [REDACTED].
6
7 **AJG:** Can you tell me about your EcoToilet? How did this come to be installed here?
8 **033:** The learn from JICA and some Japanese man, actually she has called Korean, but the are not
9 Korean. Japanese men from JICA. They trained them about this about this toilet and oriented
10 about its usefulness. Then they decide to install one EcoToilet. Then Mr. Aminul, they addressed
11 them and they learned them also, what is the EcoToilet, and how can we use it. What is the
12 usefulness of it. Then she decide to install an EcoToilet here.
13 **AJG:** Was it a difficult decision for you?
14 **033:** Actually, they use a ring-slab toilet, but the EcoToilet is better than the ring-slab toilet.
15 **AJG:** Why is it better?
16 **033:** There was...the ecological aspect. IT never has bad smell...it produce compost that they use in
17 crop field and fruit trees, so they installed this here toilet. And this is hygienic for them, she has
18 called. Hygienic for them
19
20 **AJG:** Was your husband involved in the decision to build this toilet?
21 **033:** They both. Together they [decide].
22 **AJG:** What sort of things did you discuss with your husband when making this decision?
23 **033:** Actually, they discuss about compost and chemical fertilizer. Chemical fertilizer is so costly, and
24 this is safer. So they decide to take an EcoToilet.
25 **AJG:** Who was the primary driver in this decision?
26 **033:** Her husband.
27
28 **AJG:** Where do you use the compost? Do you use the compost?
29 **033:** Yes. They used it two times. One chamber is full [now], and after six months they use in the crop
30 field. Actually they call it *boro* field. This is a system of paddy field. [Pause as respondent
31 continues to speak.] And they use the urine in the fruit trees. Around here. And she calls the
32 production of that crops, using EcoToilets compost is increased.
33 **AJG:** Sorry?
34 **033:** The production of crops using the EcoToilets compost [is increased].
35 **AJG:** Do you still use any chemical fertilizers?
36 **033:** Just a little bit. They have a large number of crop field that does not cover with this compost. So
37 they have to buy some chemical fertilizer from the market.
38 **AJG:** Do you buy less chemical fertilizer than you used to?
39 **033:** Maybe for one month, they buy some chemical fertilizer from the market, for their needs.
40 **AJG:** For their what?
41 **033:** For their needs...they have more fields. So this [EcoSan] compost not cover all of their fields.
42
43 **AJG:** Was it difficult to adjust to the idea of using the EcoSan products?
44 **033:** The very first time, they faced some problem. But now there is no problem, because one of the
45 famous TV director...TV producer, Mr. Shahik Shaharaz [?], he has come here and oriented and
46 trained, and videos and films make. And now there is no problems with using compost in the crop
47 field. But at first there are some.
48 **AJG:** What helped you realize it was ok to use this compost?
49 **033:** They was trained in BARD. They saw a cabbage garden, and they used the compost, and it
50 increased [growth] huge. So they decide to take a toilet, and use the compost in their crop field.
51 **AJG:** Does anyone from BARD come and monitor the toilet now?

1 **033:** Yes, sometimes they come fro research. And she also told that Japan, India, Korea...Japan and
2 India come here to look at the toilet. [Pause as respondent continues to speak.] Actually, many
3 foreign people come to see the [toilet]...making some films and videos about the EcoToilet.
4
5 **AJG:** Do you feel proud about this toilet?
6 **033:** Yes. This is beautiful toilet, she remarks. And she feels proud she has an EcoToilet. And it is
7 good for *boro* crops. [Pause as respondent continues to speak.] They use it in the dry season, not
8 in the rainy season.
9
10 **AJG:** What do you do if you empty the chamber in the rainy season? Where do you store the compost?
11 **033:** Sometimes they use it in the rainy season, but if there is any need to reserve it, they reserve it in
12 their household, and there is no problem.
13 **AJG:** Why do you not like to use it in the rainy season?
14 **033:** During dry season, they dried it, and...[Pause as respondent continues to speak.] The fields are
15 some far from their household, and there is some carrying advantages in the dry season.
16 **AJG:** What advantages?
17 **033:** Because the compost is dried in the sunshine...and that is not so...
18 **MK:** How can I say this...it is not heavy in the dry season. It is not wet.
19 **AJG:** How far away are the *boro* fields?
20 **033:** One and two km. There are many fields there.
21
22 **AJG:** What procedure do you follow when you empty the feces chamber?
23 **033:** After six months the compost...it makes...to use in field. They uncover it, and they...spade.
24 They use it and collect in some basket and go to their crop field and use it.
25 **AJG:** Do you wear gloves when you handle the compost?
26 **033:** Yes. They use some gloves.
27 **AJG:** How long do you allow the compost to dry in the sun?
28 **033:** After six months, they use it. After six months. [Pause as respondent continues to speak.]
29 And...no she doesn't dry it. Direct use in the crop field.
30 **AJG:** Were you instructed to dry it? Did BARD recommend that you dry the compost?
31 **033:** She use it as for need in the fields...as for need of their crops. It is dried also.
32 **AJG:** It is dried already when it comes out [of the feces chamber]?
33 **033:** Yes.
34
35 **AJG:** How many people are using this toilet?
36 **033:** 10 peoples.
37 **AJG:** Any children?
38 **033:** No, there is no child here.
39 **AJG:** Who are the ten users?
40 **033:** She has four son...[Pause as respondent continues to speak.] Five sons, and two daughters. And
41 they two [respondent and husband].
42 **AJG:** So, nine?
43 **033:** And sometimes their relatives come, and they use it. [Pause as respondent continues to speak.]
44 This is nine, no ten. Nine.
45 **AJG:** How old are the youngest children?
46 **033:** 10 years.
47
48 **AJG:** Did you ever experience any problems using this toilet?
49 **033:** At first, they faced some problem, because in the village, there were no toilets, sometimes they use
50 the open field for defecating and urinating. So there is some problem in first time, but now there is
51 no problem to use it, in their view.
52 **AJG:** How long did it take for you to become comfortable using the toilet?
53 **033:** They were trained before they installed this EcoToilet. They were trained, they know about how
54 to use it, so there is no problem. Their children, their youngest...they faced some problem using
55 it.
56 **AJG:** How long did it take the children to adjust?

1 **033:** Two or three weeks.

2 **AJG:** After that two or three weeks, did the children begin to use the toilet by themselves, or did you

3 continue to help them?

4 **033:** She always learned them...oriented them how to use it. Youngest one in this family, she did not

5 want to go in that toilet at first.

6 **AJG:** Why didn't she want to use this toilet?

7 **033:** This was a newer version, so she actually did not know how to use it, so she did not want to go

8 there. But now she use it regularly.

9

10 **AJG:** Have you found this toilet is good for women's hygiene?

11 **033:** She does not face any problem during menstrual time. She easily use it during the time.

12 **AJG:** How doe she use the toilet when she is menstruating?

13 **033:** She is trained about...when the period time, how to use it. At first she use it in front side, then in

14 the backside she wash. Hand wash outside. And use the toilet paper and other, she throw outside

15 of this toilet.

16 **AJG:** While she is menstruating, doe she urinate in the anal wash pan?

17 **033:** Yes, she did.

18

19 **AJG:** Since this toilet has been installed, has anyone in this family had incidence of diarrheal illness?

20 **033:** No.

21 **AJG:** Was there incidence of diarrheal illness before?

22 **033:** Sometimes they are sick before, but now there is no diarrheal sickness in their family.

23 **AJG:** How often before would someone experience an episode of diarrheal illness?

24 **033:** Sometimes her husband, in five or six months, he sickened by diarrheal diseases.

25 **AJG:** have your hygiene practices changed at all since this toilet was installed?

26 **033:** Actual...[Pause as respondent continues to speak.] Yes, there are some things. Actually the hand

27 washing installment, they have a tube well there. All the time there is soap there. And they

28 practice it.

29 **AJG:** Did you practice before? The hand washing?

30 **033:** Actually, she is the woman of a town. So she knew it, the system of hand washing.

31 **AJG:** She grew up in a town?

32 **033:** During her young age, when she is children...she belong in the Dhanmondi, Dhaka....

33 **AJG:** [To MK] Oh, your home!

34 **MK:** This is my place [laughing].

35 **033:** She has grown up there. After married, she is in this house.

36

37 **AJG:** Do you ever have any problems acquiring enough ash for the toilet?

38 **033:** Actually, they have no problems, about collect ash. Because their cooking stove, they burned

39 woods, and dry leaves of the trees, so they produce a lot of ash in their family for household

40 cooking. So there is no problem with the ash.

41

42 **AJG:** How much water is used for the toilet?

43 **033:** Two buckets of water, every day. One bucket is...this one is 10 liters bucket.

44

45 **AJG:** Do you find that...this toilet offers greater privacy and security for your family?

46 **033:** It is more secured than of that. She tells the ring-slab toilet is dirty, like earlier. This...they

47 produce compost here...she tells now. It is more secured.

48 **AJG:** Are you able to use the toilet every time that you must?

49 **033:** No...there is no problem at day or night.

50 **AJG:** Was there ever problems using the ring-slab latrine?

51 **033:** Actually, she is a trained woman, so there is no problem using that toilet.

52 **AJG:** No problems with the ring-slab at day or night?

53 **033:** No...she ahs no problem because there was a light there. But that toilet does not produce

54 anything. This toilet produce compost, which is a valuable thing.

55

56 **AJG:** Who installed the light in this toilet?

1 **033:** They installed light here...they made light here after using it. When they completed the works,
2 they installed the light. There is electricity here, so it is not a problem for them.
3
4 **AJG:** Do you ever have guests come and visit your home?
5 **033:** No. They have no gas line.
6 **AJG:** No gas, ok. What about guests...visitors?
7 **033:** Many foreign people come to see this toilet. She is saying Japan, India, Sri Lanka. And other
8 town's people, people of this country, from other towns come here to see this toilet.
9 **AJG:** What about relatives or friends? Do they come here and use this toilet?
10 **033:** Yes...they use it also, and they learned them how to use it.
11 **AJG:** Do they have difficulty using this toilet?
12 **033:** Usually the relatives come here, and suddenly they check it and get surprised, 'What is it?' But
13 afterwards, they learn them how to use it, the doesn't face any problem.
14 **AJG:** Do guests that say here ever make any comments about the use of the fertilizer?
15 **033:** The relatives come here, they question them, 'How you use this compost in the field?' When they
16 know, they know this situation, they sometimes remarks, 'We need one.' In their own place.
17 Sometimes the relatives remarks to them that they would like to have an EcoToilet for their own
18 place.
19
20 **AJG:** If your family was to move away from this village to another village, would you build another
21 EcoToilet?
22 **033:** Yes. She must install an EcoToilet.
23 **AJG:** Why must you?
24 **033:** For compost. It produce compost.
25 **AJG:** And the compost is valuable...ok. Does everyone in the family use this toilet every time.
26 **033:** Every member of this family use it regularly.
27 **AJG:** What about if a male member of this family...
28 **033:** Six man and three woman.
29 **AJG:** If a man only has to urinate, does he still urinate in here?
30 **033:** When they are staying home, the regular use in urinating is here. But when they are outside of this
31 locality, then they use the outside for urinating.
32
33 **AJG:** How much did this toilet cost to install?
34 **033:** 14,000 [BDT].
35 **AJG:** Did you pay for this?
36 **033:** 4,000 [BDT]. She shared 4,000 [BDT].
37 **AJG:** Do you consider this to be a lot for this toilet?
38 **033:** She think about this aspect...actually she had a ring-slab toilet. Another new toilet, this is a fact,
39 why we make another toilet. So this is the problem. [Pause as respondent continues to speak.]
40 Her one son in Malaysia. So he had no actual documents to go to Malaysia. So they have some
41 problem. But they did it.
42 **AJG:** They built the toilet any way?
43 **033:** Yes. They did it.
44
45 **AJG:** Knowing what you know now about the toilet, would you pay more than 4,000 taka?
46 **033:** She wants to share more. And her plan...her plan she wan to make another EcoToilet.
47 **AJG:** Why?
48 **033:** Why? Because installing time. They install it very quickly, and the beautification of this toilet is
49 not liked by her. So...she wants another EcoToilet, and may cost more.
50 **AJG:** Ok...but a nicer toilet.
51 **MK:** Beautification...beautification is a factor now.
52 **AJG:** Would you remove this toilet if you built another one?
53 **033:** There is no plan about this yet. She is just thinking. [Pause as respondent continues to speak.]
54 Her eldest son sometimes are in jail...in prison in Malaysia. This was a problem for her and her
55 family.
56 **AJG:** Would you pay...be able to pay the full cost, the 14,000 taka to build a toilet like this?

1 **033:** No. She can't. She can't 14,000 [BDT] is hard. Too much.
2
3 **AJG:** Is there anything else you would like to tell me about this toilet that we haven't already discussed?
4 **033:** Actually, she said that the compost of this EcoToilet are used after six months, and the urine, that
5 is reserved here, they use it in the fruit trees and the crop field also...they use it here. But she say
6 that beautification. And the door...the door here, she want in more developed condition.
7 **AJG:** What do you mean?
8 **033:** The door...her latrine's door is made by tin and wood. And the woods are...make old, and it is...
9 **AJG:** So she would rather have a metal...all metal door?
10 **033:** She likes plastic door, because iron and tin...there is iron oxide that may break down. So plastic
11 is better.
12 **AJG:** Ok, so just a few more questions.

[44:49 : Begin collecting demographic information]

[47:06 : END OF INTERVIEW]

Date: 9/16/2011

Latrine No.: 024

Interview No.: 034

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	13:50	██████████ ██████████ ██████████	Raicho Village Comilla Upzilla Comilla District Chittagong Division
Interview end:	14:10	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Rain	Very Humid	Selina

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	42	Female Head

Residency Information

Length of Residence in Raicho:	Length of Residence at Current Location:	Number of Residents in Household:
30	30	2

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	2	0

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 034. What is your name?
2 **034:** [REDACTED].
3 **AJG:** Can you tell me how you came to have this toilet installed at your home?
4 **034:** Dr. Masadul Hoq first oriented them about this toilet. And they have a cooperative. After discuss,
5 with them, she decide to get an EcoToilet.
6
7 **AJG:** What has your experience using this EcoToilet been like?
8 **034:** She said it is good to use. And it produces compost that they use in the crops fields, and fruit trees
9 and kitchen garden. It is good.
10 **AJG:** Do you have another toilet here?
11 **034:** Yes, she has.
12 **AJG:** What sort of toilet?
13 **034:** A ring-slab toilet. She has another ring-slab toilet.
14
15 **AJG:** Who is using the EcoToilet?
16 **034:** Her family members go abroad and on the other side of the country. She lives here with her
17 husband. Her husband use it usually, and she has some problem to sit there. She tell me if there
18 was a commode there, she can easily use that. Her husband now use it.
19 **AJG:** She does not use the EcoToilet?
20 **034:** No. She doesn't. She has some problem in her legs. She does not use it because there is no
21 commode there.
22 **AJG:** And the ring-slab has a commode?
23 **034:** Yes, it does. Usually she use a removable plastic commode.
24 **AJG:** Have you ever used the EcoToilet?
25 **034:** No, she doesn't use it. But her husband and her son usually use this toilet.
26 **AJG:** So she is using a plastic commode now?
27 **034:** Yes.
28 **AJG:** What does she do with the contents of the plastic commode?
29 **MK:** Because of the problem with her legs...
30 **AJG:** Yes, I understand. But what happens with the feces and urine in the plastic commode?
31 **034:** She used it in her ring-slab toilet.
32 **AJG:** Are these your daughters [referring to the young girls in the home]?
33 **034:** She has one daughter, but married and living on the other side [of the country].
34 **AJG:** Does your son live here?
35 **034:** She has two son, but they don't live here. They are in Dhaka...in Narayangonj.
36
37 **AJG:** Who made the decision to install this toilet?
38 **034:** Altogether they make the decision. She, her husband and her son. They all make the decision.
39
40 **AJG:** When was the toilet installed?
41 **034:** She has a card about this toilet. They install it in 2008.
42 **AJG:** When you made the decision to install this toilet, did you plan on using it?
43 **034:** Yes. She had a plan, but she had an accident, and there are problems in her leg. Now she can't.
44 But she had plan to use that toilet.
45 **AJG:** Your husband lives here now, is that correct?
46 **034:** Yes, he lives here.
47 **AJG:** Does he use this toilet every time?
48 **034:** Yes, he use every time.
49
50 **AJG:** What was the cost of this toilet?
51 **034:** 11,000 [BDT]. She has not transparent concept, but she share 3,000 [BDT].

1
2 **AJG:** How do you feel about using the EcoSan products, the fertilizer?
3 **034:** She has no problem. After six months, the human feces becomes mud...becomes soil. So she has
4 no problem to use it, she tells.
5 **AJG:** Did you ever have any different feelings about using the fertilizer?
6 **034:** The first time they faced some problem. 'This is human feces, so how we use it in our crop field?'
7 But now there is no problem. They learned it. They oriented by the BARD, they oriented by Dr.
8 Masadul Islam, and their cooperative, and they learned to [inaudible]. And there is no problem
9 now.
10 **AJG:** What made you change your mind? What made you think this was ok now?
11 **034:** She said actually there is no problem with this installation. But if there is a commode for those
12 that have some problem in legs, then she could use it. This is her recommendation.
13
14 **AJG:** Where do you use the EcoSan fertilizer?
15 **034:** In vegetable plants, in kitchen garden, fruit trees and crops...the crop fields.
16 **AJG:** Do you use both the urine and the feces?
17 **034:** Yes, they do.
18 **AJG:** Do you have...your family have agricultural fields?
19 **034:** Yes.
20
21 **AJG:** Is that your primary source of income, agriculture?
22 **034:** Actually her husband is a job holder. And her son also. They have some crop fields, agriculture
23 based farming. This is the main source of income.
24
25 **AJG:** Do you have any responsibilities associated with this toilet? Cleaning or resupplying the ash?
26 **034:** Her husband usually clean this toilet.
27 **AJG:** How often does he clean the toilet?
28 **034:** One or two days...he regularly clean it.
29
30 **AJG:** Do you ever hear from other people in the community that it is disgusting to use the EcoSan
31 products?
32 **034:** No. No they didn't...
33 **AJG:** Have you ever tried to sell some of the fertilizer?
34 **034:** No.
35 **AJG:** It is always used on their fields?
36 **034:** On their fields. They didn't sell it anywhere.
37
38 **AJG:** Do you ever have problems getting enough ash for the toilet?
39 **034:** No. [Pause as respondent continues to speak.] Actually their cooking stoves produce enough ash.
40 And they boil their rice, after making rice the paddy is boiled. There is a large number of ash is
41 produced there.
42 **AJG:** Is this a *chatal*?
43 **034:** This is not a *chatal*...but they produce a lot of rice...a lot of paddy. SO they boiled it to make
44 rice, what we eat. That produce a lot of ash, so there is no problem in the ash here.
45
46 **AJG:** Would you prefer to use this toilet as opposed to the commode?
47 **034:** Yes.
48
49 **AJG:** Why was the toilet placed so far away from the house?
50 **034:** She has future plan to make another house...rooms there. So she installed there, the toilet. In the
51 future she will make some rooms there. So these are future plans, to install that.
52
53 **AJG:** Who lives in these homes around here?
54 **034:** This is all this family. But their family members, most of them are outside of this area...for their
55 job, their work. [Pause as respondent continues to speak.] One of her son is studying in Dhaka
56 University. One of her son here, he is a marine...it is a naval force, it is called marine.

1 **AJG:** Where is he based?
2 **034:** Chittagong...no, Narayangonj. It is the headquarters of the marine academy.
3
4 **AJG:** Given that you don't use the toilet, was it worth the 3,000 taka to install?
5 **034:** No, she face no problem there.
6 **AJG:** It was not worth it?
7 **034:** No, she face no problem there.
8 **AJG:** I am not sure I understand...
9 **034:** 3,000 [BDT] is not a problem for her.
10 **AJG:** So it is not a problem, even though she does not use the toilet? It was not too much?
11 **034:** 3,000...the money was no problem, but she feels a problem in her legs. There was an accident
12 there.
13
14 **AJG:** Ok. Just a few more questions.

[19:01 : Begin collecting demographic information]

[20:04 : END OF INTERVIEW]

Date: 9/16/2011

Latrine No.: 025

Interview No.: 035

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	14:23	██████████	Raicho Village
Interview end:	14:57	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
29°C	Rain	Very Humid	Ali Akkas

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	52	Yes

Residency Information

Length of Residence in Raicho:	Length of Residence at Current Location:	Number of Residents in Household:
52	52	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	0

NOTES:

Phase I toilet

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 035. What is your name?
2 **035:** [REDACTED].
3
4 **AJG:** Can you tell me how this toilet came to be installed on your property?
5 **035:** After orientation from [REDACTED], four people want to take EcoToilet. He is one of
6 them...the first time.
7 **AJG:** What were the community attitudes towards the EcoToilet like at this time?
8 **035:** The society express some bad feelings...bad remarks to them, 'How they use the toilet, how they
9 use the human feces in the crop fields?' This they experience some problems the first time.
10 [Pause as respondent continues to speak.] Then they install the toilet.
11
12 **AJG:** Why did you install the toilet?
13 **035:** He decide...wan tot have toilet that produce the compost in the EcoToilet, and used in his crop
14 field, his fruit trees. This is why.
15 **AJG:** Was improved hygiene a factor?
16 **035:** Yes. It also.
17
18 **AJG:** Did you discuss this decision with anyone else in the house?
19 **035:** They have a cooperative society. He discusses with them, and then he himself decide to take [a
20 toilet].
21 **AJG:** Are you married?
22 **035:** Yes.
23 **AJG:** Did you discuss this with your wife?
24 **035:** Yes.
25 **AJG:** Did you both agree?
26 **035:** Yes, they both agree. [Pause as respondent continues to speak.] His wife also use the toilet and
27 clean it.
28 **AJG:** Who was the primary person that wanted to install the toilet?
29 **035:** He takes the primary decision to install the EcoToilet. He is the primary person.
30
31 **AJG:** The toilet has been for five or six years, yes?
32 **035:** In 2008 they installed here...it is 2008.
33 **AJG:** Doesn't it say 2005 [on the side of the toilet]?
34 **035:** That toilet was installed in 2005, but this one is 2005. [Pause as respondent continues to speak.]
35 Sorry, it is a mistake. This toilet is 2005.
36
37 **AJG:** Have you used the compost on your fields?
38 **035:** He used...he used the compost on his crop field, but he has no idea how many times he has used
39 it. [Pause as respondent continues to speak.] Maybe seven or eight times.
40 **AJG:** Do you also use the urine?
41 **035:** Yes.
42 **AJG:** Where do you use the urine?
43 **035:** He used the urine in the kitchen garden, his vegetable garden and his fruit tree.
44 **AJG:** Why don't you use the urine on your crops?
45 **035:** He also use in the crop fields.
46
47 **AJG:** Have you been able to identify a difference in the crops since you began using the urine and
48 fertilizer?
49 **035:** Yes. It increased...it increased the production of his crops.
50
51 **AJG:** Every time you have to use the bathroom, do you use the EcoToilet?

1 **035:** Yes. He used it regularly...regular.
2
3 **AJG:** Who is using this toilet?
4 **035:** Five people.
5 **AJG:** Who are these people?
6 **035:** His three son and one daughter, they use this toilet. And another two that are married, they go
7 outside, to another place.
8 **AJG:** What about his wife?
9 **035:** And his wife.
10 **AJG:** So six people in total?
11 **035:** Yes, six people.
12 **AJG:** How old are his children that use it?
13 **035:** Fifteen or sixteen years, maybe. The youngest one; and she is his daughter.
14
15 **AJG:** Did you have a toilet before this EcoToilet?
16 **035:** Ring-slab toilet before this.
17 **AJG:** Did the ring-slab toilet have any benefits that this does not provide?
18 **035:** The EcoToilet is better than the ring-slab toilet, he remarks.
19 **AJG:** What make the EcoToilet better?
20 **035:** This is hygienic, and clean. And there is no problem to use. And it produce compost, fertilizer.
21 So it is better than that.
22
23 **AJG:** Why is the toilet installed so far away from your house?
24 **035:** There is this problem, he has land there. So he installed it there.
25 **AJG:** Would you like the toilet closer to your home?
26 **035:** He thinks that if it is near to his home, it is good, but he has a problem with the land.
27
28 **AJG:** Have you had any problems with this toilet in the past six years?
29 **035:** There is no problem here.
30 **AJG:** Have you ever had water enter the feces chamber?
31 **035:** No.
32 **AJG:** What would you do if water had entered the feces chamber?
33 **035:** He would make it clear...clean the water from the feces chamber.
34 **AJG:** How?
35 **035:** It is if that there is water in the chamber, they use more ash and it covers it.
36
37 **AJG:** Have you had to perform any maintenance on the toilet?
38 **035:** There is no problem, though it is in the outside of the home, so he locked it. Because the
39 child...the children or other people does not know how to use this, so he locked it. [Pause as
40 respondent continues to speak.] Because it is outside from his household.
41 **AJG:** Does he normally keep the toilet locked?
42 **035:** Yes. He locked it.
43
44 **AJG:** Are you comfortable using the toilet, both at the day and nighttime?
45 **035:** No...there is nor problem. [Pause as respondent continues to speak.] Sometimes he use torchlight
46 to go there.
47 **AJG:** What about your wife and children...do they have problems?
48 **035:** She also use a torch to go there.
49
50 **AJG:** Do you ever hear any negative comments now, about using the EcoSan products?
51 **035:** At the first time, people say some negative remarks, but now they don't. [Pause as respondent
52 continues to speak.] First time, they called that...the community people, call the human feces,
53 'You are using in hand? And in your crop field? You eat that.' That was a problem. Now there
54 is no problem.
55 **AJG:** Back then, when there was a problem, would people eat your fruits or vegetables that you had
56 grown?

1 **035:** There was no problem to sell it. People buy it.
2 **AJG:** Is that your primary source of income, selling agricultural products?
3 **035:** He has some vegetable fields and crop fields. Basically agricultural based farming. [Pause as
4 respondent continues to speak.] And you know, there are many people here that are working
5 abroad. [Pause as respondent continues to speak.] His two sons abroad. Every time you look
6 there are one or two people abroad and send money to them.
7 **AJG:** Where are they?
8 **035:** Saudi Arabia.
9 **AJG:** Doing what? Construction?
10 **035:** He actually doesn't know what they do.
11
12 **AJG:** If you only have to urinate, not defecate, do you always use this toilet?
13 **035:** When he is home, he use urinating in that place. But when he is outside of home, he use open
14 field or any other place.
15
16 **AJG:** What was the financing model? How much did the toilet cost?
17 **035:** This is the first installation, so it cost 35,000 taka, but he doesn't share.
18 **AJG:** Is he aware that it cost 35,000 taka?
19 **035:** Yes, he knows. But he doesn't share. [Pause as respondent continues to speak.] This is the first
20 one. The first four installation. [Pause as respondent continues to speak.] This is the first
21 four...Mr. Aminul [Interview 032] and the other two. JICA financed this toilet.
22 **AJG:** After using this toilet for several years, would you be willing to pay for this toilet?
23 **035:** Yes. He must.
24 **AJG:** How much would you be willing to pay?
25 **035:** He...interesting thing. If he will...another toilet installing here, he will pay all the cost.
26 **AJG:** What makes this toilet so good for you that you are willing to pay so much for it?
27 **035:** It is a productive toilet, he calls it. It is a productive toilet. And if his family grows many people,
28 then he will need another one.
29 **AJG:** If you family were to move out of this village, would he build another toilet?
30 **035:** Yes.
31 **AJG:** Would he be able to build it himself?
32 **035:** Yes.
33 **AJG:** Would he need technical support from another organization?
34 **035:** If there will be another toilet, they install it with fee system. He wants support...technical support,
35 not financial support.
36 **AJG:** Did you participate in building this at all?
37 **035:** Yes. He did participate.
38 **AJG:** What did you do to help?
39 **035:** He collects water from other...and collect brick. Carry bricks to this place.
40
41 **AJG:** How much water does the toilet need everyday?
42 **035:** Two buckets...50 liters. Two buckets of water.
43 **AJG:** Per day?
44 **035:** Yes. And regularly clean it with water.
45 **AJG:** What is the source of the water?
46 **035:** They have ponds and tube well.
47
48 **AJG:** Is there anything else you would like to tell me about your experience using this toilet?
49 **035:** He say it is a good idea...because he produces here too much fertilizer what is costing in the
50 market. The interesting thing is that he tells, that if it is a one-chamber toilet, and the cost is half,
51 many people get the toilet. How it will be possible, he does not know. But one chamber toilet is
52 preferable for him and the villagers, because the cost is half. And they are poor people.
53 **AJG:** Can you think of a way to make this a one-chamber toilet?
54 **035:** He thinks that if there is a removable chamber...a plastic chamber, the remove it, and another one
55 is set there. Then a one-chamber toilet is possible.
56 **AJG:** Have you ever seen a toilet like this? With one chamber?

1 **035:** No, he has never seen.
2 **AJG:** Is there anything else you would like to change about the toilet?
3 **035:** The space is a factor. It is too big for them. If it is a smaller one, they can buy it and install it,
4 because they have to have more land.
5 **AJG:** What about the urine collection vessel on this [toilet] [mounted internally to entrance platform]?
6 Is it difficult?
7 **035:** No. There is not a hard thing.
8 **AJG:** Would you prefer an external collection vessel?
9 **035:** Use of the plastic container is better. This is the first time installation. At that time, the design of
10 the EcoToilet is that.
11
12 **AJG:** Do you ever use chemical fertilizers on your field?
13 **035:** Just a little bit. Just a little bit, because his field area is not covered with this toilet's compost. So
14 just a little chemical fertilizers.
15 **AJG:** Do you ever use chemical fertilizers in you kitchen garden?
16 **035:** No...Just the urine and the compost. Not chemical fertilizer.
17
18 **AJG:** Has your family had any incidence of diarrheal illness since the toilet has been installed?
19 **035:** No...[Pause as respondent continues to speak.] But only one time. One time, sick with diarrheal
20 disease.
21 **AJG:** Only one time, for the whole family?
22 **035:** One time...the youngest daughter.
23 **AJG:** Was their greater frequency of diarrheal disease before this toilet was installed?
24 **035:** Sometimes they sickened with diarrheal disease before they install this toilet, six months or seven
25 months. By six month or seven months they are sick with diarrheal diseases.
26 **AJG:** Has your hygiene behavior improved?
27 **035:** Yes...they developed their hygiene conditions.
28
29 **AJG:** Ok, just a few more questions.

[30:43 : Begin collecting demographic information]

[32:34 : END OF INTERVIEW]

Date: 9/17/2011**Latrine No.: 026****Interview No.: 036****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	9:38	██████████	Hatigara Village
Interview end:	10:18	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Ms. Nasima

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	45	Female Head

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
45	45	8

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	8	0

NOTES:

Phase I toilet

Wife of Respondent 037

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 036. What is your name?
2 **036:** [REDACTED].
3
4 **AJG:** May I ask you some questions about your toilet?
5 **036:** Yes.
6 **AJG:** Can you tell me the story about how your toilet came to be installed here?
7 **036:** After coming Japanese visitors, they oriented them what is EcoToilet, how they can use it and how
8 they can get usefulness from here. Then they decide to make an EcoToilet.
9 **AJG:** When did this happen? What year?
10 **036:** They don't know. [Pause as respondent continues to speak.] In 2005, this is it.
11
12 **AJG:** Was it a difficult decision for you, whether to build this toilet?
13 **036:** No. They had no problem. They trained at BARD, then they decided to get an EcoToilet. There
14 is no problem there.
15 **AJG:** Who decided to build the EcoToilet?
16 **036:** She herself decided.
17 **AJG:** Did you discuss it with her husband as well?
18 **036:** Yes, discuss it with her husband. And together...they made this decision to build and EcoToilet.
19 **AJG:** They both agreed?
20 **036:** Yes, they both agreed.
21 **AJG:** What sort of things did you discuss when deciding to build the EcoToilet?
22 **036:** Before this, they had no toilet at all, so they decided easily to take an EcoToilet. They both
23 discuss with themselves, and build an EcoToilet.
24
25 **AJG:** Before this was built, where would they defecate and urinate?
26 **036:** There is a two rings toilet.
27 **AJG:** So they did have a toilet?
28 **036:** Two rings toilet. Sometimes they use it in the open field.
29 **AJG:** So they did have a ring-slab toilet?
30 **036:** Ring-slab, but only two rings in a pit.
31 **AJG:** I see, so it was very shallow.
32 **036:** Yes.
33
34 **AJG:** What were the major considerations? Why did you want to build this toilet?
35 **036:** At first, they discuss about how it produce compost. They may use in their crop field, in their fruit
36 trees, kitchen garden. They decide it will take benefit for them, so they decide to build it here.
37 **AJG:** Were there any reasons beside the compost?
38 **036:** She said it is clean and hygienic, and it...there is no bad smell here. So there is no bad smell,
39 and...they had no toilet at all...good toilet. So they easily decide it, to get an EcoToilet.
40
41 **AJG:** What was the financing? How was the toilet paid for?
42 **036:** She said it cost 30,000 [BDT], but they did not have to share it. They shared nothing. Only the
43 organization constructed it. [Pause as respondent continues to speak.] It is 30,00 [BDT] or 35,000
44 [BDT]. She doesn't know the exact figure, but 30,000 [BDT] or 35,000 [BDT].
45 **AJG:** Would you be willing to pay some of this cost?
46 **036:** No...
47
48 **AJG:** [Addressing MK, referring to respondent's husband who has just entered the room] Could you let
49 him know I would like to speak with him next.
50 **MK:** Her husband?
51 **AJG:** Yes. Could I speak with him next, alone?

1 **MK:** Yes. He is agreed.
2
3 **AJG:** Would they have been willing to contribute some money for the toilet?
4 **036:** They are...
5 **AJG:** [Addressing MK] Could you ask him not to respond. I would like to speak with him individually,
6 and speak with his wife now. So would they have been willing to contribute?
7 **036:** Actually, they have told that they are poor people, so they could not contribute any more. This is
8 her words. And she also say that if the organization make another toilet...they are agreed to take,
9 but not contribute any more money.
10 **AJG:** So they couldn't contribute any money?
11 **036:** No money, or no cost.
12
13 **AJG:** Ok. What has your experience using the EcoToilet been? Do you find the toilet easy to use?
14 **036:** After getting training session for three months, in BARD, then she had got the EcoToilet. So she
15 had no problem to use it, because they are oriented by the BARD.
16 **AJG:** So there were no problems, even in the first few weeks?
17 **036:** No, there was no problem there.
18 **AJG:** This was one of the first toilets in the village, right?
19 **036:** This is the second one. The second toilet in this village.
20 **AJG:** Did you face any sort of criticism for installing the toilet?
21 **036:** She said that actually there was no problem, but some people said the foreign people make them
22 another religion...Christian...Muslim to Christian. There was some criticism.
23 **AJG:** But there was no problems with regards to the use of fertilizer in her fields?
24 **036:** Some people say, 'Use human feces, you handle it with your hands. It is disgusting.' But when
25 they use the compost tin their crop field, and it increase their production, now they say nothing.
26 **AJG:** Did this initial criticism from your neighbors bother you?
27 **036:** No, actually they had no problem.
28
29 **AJG:** Today, do you use the fertilizer in your fields?
30 **036:** They used it...one time.
31 **AJG:** Only one time?
32 **036:** Only one time, used it. [Pause as respondent continues to speak.] And one chamber is full now.
33 They use another chamber. After six months, they will use another [composted] chamber on their
34 crop fields.
35 **AJG:** So they have used it only one time?
36 **036:** Only one time.
37 **AJG:** Since 2005?
38 **036:** She told it is not one time. It is nine or ten times, but this year only one time. Form 2005 until
39 now, it is nine or ten times.
40
41 **AJG:** Where do you use the fecal compost?
42 **036:** They use the compost tin their crop field, and in their vegetable garden. They use their urine in
43 fruit trees.
44 **AJG:** In fruit trees only?
45 **036:** Yes, only in fruit trees. [Pause as respondent continues to speak.] They used it in the paddy field,
46 when the paddy plant is...when they started to cultivate. At that time they use urine in the crop
47 field.
48 **AJG:** So the urine is used in the crop field during the vegetation stage?
49 **036:** Yes. During first growth. [Pause as respondent continues to speak.] She told they use urine in
50 that lemon tree...you can see.
51 **AJG:** Do you always use the urine? Or do you sometimes get rid of it in other ways?
52 **036:** They always use the urine in their fruit trees. Lemon trees, guava trees, jackfruit trees. And
53 she...lemon trees increased the fruits production by using urine.
54 **AJG:** You have noticed a difference in your crops?
55 **036:** She gets more production by using compost and urine.
56

1 **AJG:** Ok. I understand you are a member of a CBO here?
2 **036:** Not only a member, she is the chairperson. She drive the management committee.
3 **AJG:** What are your responsibilities with the CBO?
4 **036:** She collects members and oriented them about EcoToilet, monitoring the toilets. And sometimes
5 go outside...go outside of the area monitoring the EcoToilets.
6 **AJG:** Sometimes outside of the village?
7 **036:** Sometimes outside to monitor the toilets. That is her accountability with the cooperative society.
8 **AJG:** Do people come to you with questions about the EcoToilet?
9 **036:** Yes. People usually come here and question her many things about EcoToilet. [Pause as
10 respondent continues to speak.] And also she go outside fro he to monitor and answer the
11 questions about the EcoToilet.
12 **AJG:** Are you able to answer most people's questions about the EcoToilet?
13 **036:** Yes, she can.
14 **AJG:** What sort of questions do people ask you?
15 **036:** She said actually the people...from here are [inaudible] and they question how to use it, and
16 maintaining problem. She sometimes solve their questions, and sometimes not.
17 **AJG:** What sort of maintenance problems?
18 **036:** Sometimes people have childrens, and they don't know how to use the toilet. Sometimes they
19 make water in the defecating hole. She told them, use more ash to...to preserve the water from the
20 defecating hole. This kind of question, she answered the people.
21 **AJG:** How did you become involved in this CBO?
22 **036:** At firs they had a cooperative in this locality. Then it is going to all of the villages. And now,
23 BARD registry...BARD registering. They have BARD registration cooperative society in this
24 village. [Pause as respondent continues to speak.] The six people of her family is also member of
25 that cooperative society that is start by BARD.
26 **AJG:** Do all of your activities with the CBO relate to the EcoToilet?
27 **036:** Actually, they involved with EcoToilet, but sometimes if the poultry field...
28 **AJG:** Sorry?
29 **036:** Poultry...[Pause as respondent continues to speak.] Sometimes with the orientation program with
30 the poultry.
31
32 **AJG:** If your family was to move away from this village, would your family wan tot build another
33 EcoToilet in your new home?
34 **036:** EcoToilet. Yes. She would wan tot build another EcoToilet.
35 **AJG:** Would you be willing to contribute any money?
36 **036:** She shared just a little bit.
37 **AJG:** What ever they could afford?
38 **036:** Yeah, she told they are poor people, but they share 3,000 [BDT].
39 **AJG:** Have you encouraged other people in the community to build EcoToilets?
40 **036:** She told that she sometimes called with the other people to build EcoToilet, and what is its
41 usefulness. Because she is a worker of CBO, so she called it always.
42
43 **AJG:** How many EcoToilets are there in this village now?
44 **036:** 29.
45 **AJG:** Do you know how many households there are?
46 **036:** 430 or more. More than 430 household in this village.
47 **AJG:** 430.
48 **036:** More than 430.
49 **AJG:** What do you think are the challenges for building more toilets in this village?
50 **036:** The...almost all the people is poor. They...when they wan tot make a toilet, actually they go to
51 ring-slab toilet, because it is cheaper than it. If the organizations help them, then everyone wants
52 to make an EcoToilet, she told. And they shares... [Pause as respondent continues to speak.]
53 And they want to share with the organization, but they are poor people. And sometimes she also
54 told their problem with land. Some people have no land where they place EcoToilet. This is
55 another problem she told.
56

1 **AJG:** Do you ever have problems getting enough ash for this toilet?
2 **036:** No. There is no problem. They get it from their cooking stoves. And they burned woods and dry
3 leaves from trees. So there is no problem in getting ash. They are...ash is available here.
4
5 **AJG:** Do you ever have a problem when guests come to visit your home?
6 **036:** Yes, the guests faced some problems. But hey oriented them...oriented them how to use the
7 EcoToilet.
8 **AJG:** Do you think the guests use the toilet correctly after you teach them how to use it?
9 **036:** Yes, they can. [Pause as respondent continues to speak.] When the guest will come, she oriented
10 them, 'This is the defecating place, this is the washing place, this is the urinating place.' They
11 learned it from her, and they used it easily.
12 **AJG:** Do you check if they have used it correctly?
13 **036:** Yes. [Pause as respondent continues to speak.] She always check it...when a new comer comes,
14 she always check it.
15 **AJG:** When guests come, do they ever make a comment that the use of the fertilizer is disgusting?
16 **036:** Sometimes the relatives say that it is disgusting. But they get more production form their crops, so
17 they don't...take their criticism about it. They have a belief that it is a good thing. It makes
18 production, it makes compost.
19 **AJG:** So it doesn't bother you, what your relatives say?
20 **036:** No, it doesn't bother them.
21 **AJG:** Do your relatives still eat the vegetables and fruits that are grown with the EcoSan products?
22 **036:** No there are no problem about using the compost. They have lemon tree, they have guava tree,
23 jackfruit tree. And they use it, they eat it. Everybody eat it. Even the guests. No problem.
24
25 **AJG:** Have you found that the toilet is effective for women's hygiene?
26 **MK:** There is some problem with menstrual hygiene...It is...
27 **AJG:** Yes, I know it is a difficult subject.
28 **MK:** I will discuss...I am discussing if there is problem [to discuss menstrual hygiene management].
29 Her husband is present here.
30 **036:** Yeah. There is no problem there. They use the toilet papers and other things; they actually throw
31 it on other side. At that time, they only use it for defecating.
32 **AJG:** During menstruation, does she use the toilet to urinate?
33 **036:** No, she does not. Just to defecate. [Pause as respondent continues to speak.] Washing is another
34 place.
35
36 **MK:** You have another form to fill out.
37 **AJG:** Yeah, thanks. Let me just ask a few more questions.

[37:04 : Begin collecting demographic information]

[38:47 : END OF INTERVIEW]

Date: 9/17/2011

Latrine No.: 026

Interview No.: 037

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	10:27	██████████	Hatigara Village
Interview end:	11:04	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Abdul Barek

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	52	Yes

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
30	30	8

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	8	0

NOTES:

Phase I toilet

Husband of Respondent 036

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 037 with [REDACTED]
2 **037:** [REDACTED]
3 **AJG:** I have spoken to your wife quite a bit about this toilet, as you know. I would be interested to get
4 your impressions about the toilet.
5 **037:** He told there are so social problems here about EcoToilet. They are the first people who make
6 EcoToilet here. Some people say, 'The foreign people cheated you, and make you Christian. You
7 are religious...you are Muslim, that will be changed with Christian.' But they have oriented with
8 BARD and trained. So they believe the organizer. So they...he installed the toilet.
9 **AJG:** Did the criticism from the community relate to the use of the EcoSan products?
10 **037:** The very first time, people say, 'It is human feces. You handle it with your hands.' But when the
11 full chamber, after six months they open it and show the people and say, 'Is it ash or is it human
12 feces?' And the people say it is like ash. So what is the problem there? This is the first criticism
13 with society...with the community.
14
15 **AJG:** Do you have any specific responsibilities associated with the toilet?
16 **037:** Actually, his wife clean it regularly. When she is not here, sometimes she visit her relatives
17 house, at that time he clean it. Sometimes the relatives come, they both train them how to use the
18 toilet. Sometimes the guest come to their house, and she and he both train them. But the compost
19 is used in the fields by only him.
20 **AJG:** So no one else in the family handles the compost?
21 **037:** His son...his son help...His son help him when he open the chamber and make the compost to the
22 field. His son help him.
23 **AJG:** Does anyone else use the urine, or just he and his son?
24 **037:** His wife use it, her kitchen garden and fruit trees. That is not a problem for her, he told.
25 **AJG:** Is your wife opposed to handling the fecal compost? Does she have a problem with this?
26 **037:** No. [Pause as respondent continues to speak.] No, she never say it is a problem.
27 **AJG:** She doesn't handle it because she doesn't work in the fields?
28 **037:** Yes. And the urine is used here by her in the fruit trees and in her garden. [Pause as respondent
29 continues to speak.]
30
31 **MK:** He says he has some problem to express to you. I say this is the last question. We follow the
32 questionnaire, and the last questionnaire...and the last question...
33 **AJG:** Just one moment...I would be very interested to hear his opinion now.
34 **MK:** Now?
35 **AJG:** Please.
36 **037:** He say, at very first time, people bother him. And they call, 'It is human feces. Why you use this
37 disgusting thing in the crop field?' But interesting thing, he use it, and some people use chemical
38 fertilizer. And he produce huge crops...very large number of his crop field...his production. And
39 it is the answer...it is the answer to all bothering things. And now people understand and they tell
40 us, 'Give us an EcoToilet.' This is his remarks about EcoToilet.
41 **AJG:** So you think everyone in this village now has a positive opinion about this toilet?
42 **037:** Every household in this place want an EcoToilet now. They express it to him...[Pause as
43 respondent continues to speak.] And they want compost as well. They want to buy it from him.
44 He produce more crops. More production, it is proved now.
45 **AJG:** Have you ever sold any of this compost?
46 **037:** He has some crop fields, that crop fields are covered by this compost.
47 **AJG:** So he never sells?
48 **037:** Never sell. If it is more, he can sell it.
49
50 **AJG:** Every six months, how much compost is produced?
51 **037:** They cover in six month, one chamber?

1 **AJG:** How much fertilizer is produced, in kilos?
2 **037:** It is difficult.
3 **AJG:** Yeah. How much of your crop field can you cover?
4 **037:** He tells there is a rule about it what quantity of...compost he use on what quantity of field. It has
5 a rule.
6 **AJG:** What is the rule?
7 **037:** Because crop field, paddy field, it takes much more than the fruit trees or vegetable garden. He
8 didn't say what kilograms... it is 20 kilograms his son say. In six month it is 20 kilograms
9 produces. There is a using formula, a using rule that the crop field get more, but the fruit tree and
10 kitchen garden less than that.
11 **AJG:** How much land can you cover in the crop field with six months of compost?
12 **037:** There is some problem here about land. They have one acre. Half an acre...they use on half an
13 acre compost.
14 **AJG:** Do you still use any chemical fertilizers in your field?
15 **037:** Actually there compost not cover all their field. So sometimes they buy a little e bit chemical
16 fertilizer from the market.
17 **AJG:** Do you use less chemical fertilizer than you use to?
18 **037:** Yes, before he install this toilet he use only chemical fertilizer.
19 **AJG:** How much do you spend on chemical fertilizers now?
20 **037:** Before install this toilet, he used chemical fertilizer he use 100 kg. But now he use compost and
21 use 35-40 kg chemical fertilizer.
22 **AJG:** Every four months?
23 **037:** Every year.
24 **AJG:** How much did 100 kg cost?
25 **037:** Per hundred kilograms, 6,000 [BDT].
26
27 **AJG:** Can you describe to me the procedure you follow when you empty the feces chamber and use the
28 compost?
29 **037:** When the full chamber of compost, after three months, sometimes four or five months, they use.
30 Basically it may be six months [the recommended composting time], but they use it every five
31 months or four months.
32 **AJG:** Why do you use it before six months?
33 **037:** From the demand of crops or vegetables. They don't have more fertilizer but they don't want to
34 us more chemical fertilizers. So they use it.
35 **AJG:** Do you think it is safe to use this fertilizer after four months or five months?
36 **037:** His opinion is it is safe. There is no problem there.
37 **AJG:** Do you wear gloves?
38 **037:** He told, 'It is only ash. Why you use gloves there.' [Pause as respondent continues to speak.]
39 They tell it is ash. Why we have gloves?
40 **AJG:** Do you wash your hands after?
41 **037:** Yes, after use it they wash with soap. That is not problem. And clean water.
42 **AJG:** Do you allow the compost to dry before you apply it to the soil?
43 **037:** They use it direct from there. They don't dry it. [Pause as respondent continues to speak.] No
44 they don't dry it. They use it from there.
45
46 **AJG:** Have you had any instance of diarrheal illness since this toilet was installed?
47 **037:** No. After they installed it...[Pause as respondent continues to speak.] And they also told it is
48 hygienic and healthy to use it. And they have no diarrhea.
49 **AJG:** Did you have incidence of diarrhea before this toilet was installed?
50 **037:** Yes.
51 **AJG:** How often?
52 **037:** After three or four months, usually they are sick with diarrheal diseases before installing this
53 toilet. [Pause as respondent continues to speak.] After installing it they have no diarrheal disease.
54 **AJG:** Why do you think there has been no diarrheal disease since this toilet has been installed? What
55 accounts for the reduced incidence?

1 **037:** Because there is no insect like fly...no insect there. There is a covering there. There is no
2 germ...no germ go outside. So this is the cause.

3 **AJG:** Have your family's hygiene practices improved since the toilet has been installed?

4 **037:** Yes, they increase their behavioral change...change here. There is no pollution from that toilet.
5 Before this, they have a...had a toilet where there is some insects that cover their food. Now there
6 is n problem. No insect here, no bad smell. This has promoted their hygiene condition.

7 **AJG:** Who has taught you to improve your hygiene behavior, the hand washing? Is this from BARD
8 also?

9 **037:** BARD, JICA and some other organization always oriented them about hand wash and about
10 hygiene promotion. They are trained. Sometimes they have gotten training from BARD, from
11 JICA. [Pause as respondent continues to speak.] And some physician here. Some physician say
12 that all the stomach problem, all the diarrheal diseases are produced from the dirty things of hand,
13 so you have to wash your hands always. So they oriented them, and they learned it, and they have
14 this condition.

15

16 **AJG:** Do you think this toilet has improved your social standing within the village?

17 **037:** At first, some people criticize him. But now, he feels proud to get this toilet, to get this
18 installation. Now people say he has a toilet...he has a quality toilet. Now this is the position.

19

20 **AJG:** If you only have to urinate, not defecate, do you still use the toilet?

21 **037:** Yeah. H use it always when he is staying her. But when he go outside to work or other kind of
22 sorts, at that time he use another toilet or open field. For urinating, not defecating. For urinating.

23 **AJG:** And defecating as well?

24 **037:** Yes.

25

26 **AJG:** What is the primary source of income for your family?

27 **037:** The income source...the source of income is agriculture based farming. One of his son go abroad,
28 but he has failed. Now the source of income is only agriculture based farming.

29 **AJG:** Has your son returned from abroad?

30 **037:** Yes he returned.

31 **AJG:** If your family was to move to another town, would building another EcoSan toilet be a priority for
32 your family?

33 **037:** This is...he told EcoToilet is a daily needs matter. He must install another EcoToilet if he go out
34 another place from here.

35

36 **AJG:** Is there anything about the design of this toilet that you find difficult? Anything about this toilet's
37 design you would want to change?

38 **037:** He want some change here. He want to collect the urine, maybe another...a different container
39 [the design of respondent's toilet includes a urine collection vessel mounted in the interior of the
40 entrance platform]. A separate container. Sometime it leak, and the urine mix with the human
41 feces. That is a problem. That is a big problem. So he recommend to use a separate container to
42 collect urine.

43 **AJG:** When the urine collection vessel leaks, how do you repair that?

44 **037:** When they go this problem, they...the urine container here, they fully vacuum it and use another
45 [feces] chamber. Then they repair it.

46 **AJG:** Did you do the repairs yourself?

47 **037:** No. The organizer who installed it they repaired it.

48 **AJG:** He repaired it or the organization?

49 **037:** The organization repaired it.

50

51 **AJG:** Is there anything else you would like to tell me about your toilet?

52 **037:** Actually, he says that the number of EcoToilets is very little. When it covers all over the
53 Bangladesh, all over the country, it makes a high development to crops, to foods, and other
54 vegetables and other fields. SO he recommended that if another organization or foreign donation
55 come here to install more toilet, that would be very fine to our country. A very active thing to our
56 country. And it develop our country.

1
2 **AJG:** Ok. Just a few more questions.

[36:36 : Begin collecting demographic information]

[37:31 : END OF INTERVIEW]

Date: 9/17/2011**Latrine No.: 027****Interview No.: 038****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:16	██████████	Hatigara Village
Interview end:	12:01	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Md. Maniruzzaman

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	51	Yes

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
51	51	3

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	2	4	1

NOTES:

Father of Respondent 039

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 038. What is your name?
2 **038:** [REDACTED]
3 **AJG:** [REDACTED] My name is Tony. I would like to ask you some questions about your toilet. Is
4 that ok?
5 **038:** Yes, he is agreed.
6
7 **AJG:** Can you tell me the story about how your toilet came to be installed here?
8 **038:** BARD people come here and organizing hem and oriented them about he EcoToilet. And when
9 they know about it, the compost, the urine and the uses, they decide to get an EcoToilet. They
10 install it with their cost and they share with it.
11 **AJG:** How much did the toilet cost?
12 **038:** Actually, he don't know what is the real cost, but he share 3,000 [BDT].
13
14 **AJG:** Was it a difficult decision for you to decide whether to install this toilet?
15 **038:** No, they had no problem to install it, because they are oriented people by the BARD. It is so clean
16 and hygienic, and it produce compost. SO the decision was not so hard...this decision.
17 **AJG:** Who was most responsible for this decision in house?
18 **038:** He decided, but everybody support...everybody in this family support him to decide.
19 **AJG:** Are you married?
20 **038:** Yes, he married.
21 **AJG:** Did you discuss this with your wife?
22 **038:** Yes, he did.
23 **AJG:** What sort of things did you discuss?
24 **038:** He discussed, this is a good thing...it is a new technology...new technology. It produce compost
25 and it produce urine, which is used on fruit trees and vegetable garden. This type of discussion
26 happened here.
27
28 **AJG:** Were you ever bothered by the idea of using the EcoSan products in your field?
29 **038:** After six months it makes ash...just ash. SO there is no problem. It don't bother to use it in his
30 crop field, because it is just ash, he say.
31 **AJG:** When you first heard of an EcoSan toilet, did you think it was disgusting to use the products?
32 **038:** The very first time her feel some uneasy condition to use it. But now when he produces more
33 crops, it is no problem for him.
34
35 **AJG:** Where do you use the EcoSan products?
36 **038:** He used it in his crop field, his vegetable garden, his fruit trees.
37 **AJG:** Do you use the urine I your crop fields as well?
38 **038:** He used urine in his crop field, but the also told there is no exact rule how they use...how they
39 mix water with the urine. There is no exact rule. It should be exact. It should be written he is
40 saying. [Pause as respondent continues to speak.] The system is very good, but he feels need to
41 promote a using theory...how much water and how much urine. This is not so...
42 **AJG:** It is not well understood by the users?
43 **038:** Yeah.
44 **AJG:** DO you use the urine in your fruit trees?
45 **038:** Yes. He use in the vegetable garden and the fruit trees as well.
46 **AJG:** What procedure do you follow when using the urine?
47 **038:** They use it one part urine and two part water. One is to two.
48 **AJG:** Where did you learn to apply like that? Di someone tell you to mix it like that, or no?
49 **038:** They trained from the BARD how to use it. They use it at first just a little bit, then they increase it
50 to their crop field.
51

1 **AJG:** Can you describe to me the procedure you follow when you use the fecal compost?
2 **038:** When the chamber is full...the chamber is full after six months, he open it and he dry...dry the
3 compost in the sunshine, then he use in the crop field.
4 **AJG:** Do you always allow the compost a full six months to digest?
5 **038:** He follows the rule, six months.
6 **AJG:** Is this compost also applied to the kitchen garden and the fruit trees?
7 **038:** He use in fruit tree and kitchen garden, vegetable garden and also the crop field.
8
9 **AJG:** Have you been able to tell a difference in the quality of your cops?
10 **038:** There are two types of different here. One is the production aspect. The production is so high.
11 And he also said it is cheaper than the chemical fertilizer from the market.
12 **AJG:** Do you use any chemical fertilizers now?
13 **038:** The compost that is produced his toilet does not cover the whole field, so he buys just a little bit of
14 chemical fertilizer.
15 **AJG:** Has your demand for chemical fertilizer decreased since you installed this toilet?
16 **038:** Before he installed this toilet he used 500 kg of chemical fertilizer to his field,
17 **AJG:** Per year?
18 **038:** After installed this toilet, he decreased chemical fertilizer 100 kg...
19 **AJG:** every year?
20 **038:** Every year. Now he uses 400 kg of chemical fertilizer, because there is no more growth of...no
21 more compost. He has to buy.
22 **AJG:** Why is there no more compost?
23 **038:** Only one toilet, so it doesn't cover al the field...all the field.
24 **AJG:** Do how much chemical fertilizer does he use now?
25 **038:** 400 kg. He uses 500 kg. Before install it, he used 500 kg.
26
27 **AJG:** Ok, So a reduction of 100 kg. Do you ever discuss this toilet with your neighbors?
28 **038:** Yes, he discuss it.
29 **AJG:** What do the general attitudes of the village seem to be regarding this toilet?
30 **038:** The villagers is now more aware about this toilet. So they told to him, if there are more EcoToilet
31 here, then the people are not defecating in open places. That is harm...it makes germs and that is
32 harmful for all of the villager. [Pause as respondent continues to speak.] Actually e he said there
33 are many poor people here that remarks that, 'If I had EcoToilet,' because it produce compost and
34 there is no fear about germs, there is greater security here, and they have not use open field for
35 defecating and urinating. So if any organization wants them, they can share with them to make
36 more EcoToilet here.
37
38 **AJG:** Are there many people here who are still openly defecating and urinating?
39 **038:** Yes. There are many people who are defecating in open field.
40 **AJG:** Do the majority of people have ring-slab toilets?
41 **038:** Yes, more people have a toilet. Not an EcoToilet, but a pit latrine or a ring-slab latrine, but still
42 there are some people ho have no toilet.
43
44 **AJG:** Did you ever receive any criticism for using the EcoSan products?
45 **038:** The very first time there is some criticism about using compost. They say, 'The fruits, we eat it.
46 SO why you spread your urine?' [He replied] we spread it on the trees, not the fruit. The first
47 time. But when it increase production more and more, the remarks say, ' It is good...it is good.'
48 But some people bother him now.
49 **AJG:** So still some negative remarks?
50 **038:** They say don't use it on fruit...on fruit.
51 **AJG:** Why just on fruit?
52 **038:** Because they eat it...
53 **AJG:** Without cooking it?
54 **038:** Yeah. They eat the fruit, but they use urine here...it is disgusting, some people say now.
55
56 **AJG:** Do you use the toilet every time you are in the house?

1 **038:** Yes.

2 **AJG:** Even just for urination?

3 **038:** He is urinating here.

4 **AJG:** Do you ever have difficulty urinating in the toilet?

5 **038:** No. He do not go outside. In urination and defecation, all the time he goes to the EcoToilet.

6 **AJG:** Why does he urinate in the EcoToilet?

7 **038:** He called that if he urinating outside, it makes germs and is harmful for our health. Thought there

8 is a definite place here, so why I go outside?

9

10 **AJG:** If you were to move to another village, would you build another EcoToilet?

11 **038:** Yes. He will make another EcoToilet here, because it is a quality toilet, it produce compost. So,

12 why not?

13 **AJG:** How much would you be willing to pay for an EcoToilet?

14 **038:** Yes, he will do it himself, total cost bared by him.

15 **AJG:** He will pay the whole cost?

16 **038:** Whole cost, if need.

17 **AJG:** Would you be able to participate in any of the construction?

18 **038:** He had training about the construction, so he can...he will be able to make another toilet by

19 himself.

20 **AJG:** Would he need any additional outside help? From a mason?

21 **038:** He get help from a mason. But he has training about the construction.

22

23 **AJG:** What do you see as the challenges to creating more EcoToilets in this village?

24 **038:** The main problem is cost. Money problem. Other problem is place. Some people here has no

25 land. Where are the place, for the EcoToilet? He said the religious criticism is over now. No

26 more religious barrier here. The cost of the toilet and the place is the problem here.

27 **AJG:** When did you consider the religious barriers to have been overcome?

28 **038:** BARD organizers oriented them more and more times...many times the oriented them. They

29 learned them it produce some compost, and you can use urine in your vegetable garden and in

30 your fruit trees. When they used it first time, and the production is higher...grow higher level, at

31 this time the religious barrier is over. Production is the answer to the religious people. [Pause as

32 respondent continues to speak.] And it is cheaper. It is not higher cost.

33

34 **AJG:** Have you ever considered selling some of your compost?

35 **038:** Peoples offer him to sell it, but he has no more. Because he has some field to use it.

36 **AJG:** How much are people willing to pay for this compost?

37 **038:** More than 20 people say, 'Please sell it.' The cooperative society also call him, 'If you don't use

38 it, please sell to us. We can buy it.'

39 **AJG:** How much...have you discussed a price with these people?

40 **038:** Some people say that every 40 kg...per 40 kg, 1,000 taka. But he has no more.

41 **AJG:** How much fertilizer is produced every six months?

42 **038:** He did not open it yet, because the chamber is not full. This is a new installation [installed in

43 2008].

44 **AJG:** But he has opened the chamber before?

45 **038:** Only one time.

46 **AJG:** Installed in 2008, and only one time?

47 **038:** Yes. [Pause as respondent continues to speak.] There are only three people, and there is children.

48 So, they used...opened it one time and used it.

49

50 **AJG:** Have you ever used any other types of compost in your fields? Cow dung or vermi compost?

51 Any other organic compost?

52 **038:** Yeah, he has four cows. He use cow dung. He has now vermi compost. He used cow dung in his

53 field.

54 **AJG:** How does the quality of the EcoSan compost compare with the cow dung manure?

55 **038:** He told that they are the same. Cow dung and EcoToilet compost is the same. He used only one

56 time, so he has no clear concept.

1
2 **AJG:** The users of this toilet, you said only three users, yes?
3 **038:** Only three person. Sometimes one more people from another household, he also use it.
4 **AJG:** Does this other person use it regularly?
5 **038:** Yes, he use it regularly.
6 **AJG:** Why does this person use this toilet?
7 **038:** Actually, he called the man, 'If you are defecating her, we get some human feces...what is
8 produce more fertilizer.'
9 **AJG:** So you asked him to use it?
10 **038:** Yes, he asked him.
11
12 **AJG:** You said one child is using?
13 **038:** Nine years.
14
15 **AJG:** Did you have a toilet before this toilet?
16 **038:** Yes.
17 **AJG:** A ring-slab?
18 **038:** A pit-latrine. Just a pit latrine.
19 **AJG:** Did the pit latrine have any advantages over this toilet?
20 **038:** There is no disgusting thing in this toilet. They use it [inaudible]. They produce some fertilizer,
21 some compost. So it is a perfect thing, he say.
22 **AJG:** Where was the pit latrine located?
23 **038:** HE tell us the installing date, but he cannot remember...
24 **AJG:** When it was installed?
25 **038:** Yeah.
26 **AJG:** But where was the pit latrine on the property? Was it there? Or was it there?
27 **038:** Actually he has no more land provided here, so he installed it [the EcoToilet] outside from this
28 house, where he has the land.
29 **AJG:** The pit latrine, where was it.
30 **038:** He had a pit latrine, that side.
31 **AJG:** Close to the pond?
32 **038:** Close to the pond.
33 **AJG:** How often would you have to empty the pit latrine?
34 **038:** Six or seven years.
35 **AJG:** He had this pit latrine for six or seven years?
36 **038:** Yeah...he cleaned it...
37 **AJG:** He cleaned it once in six or seven years?
38 **038:** Only once in six or seven years.
39 **AJG:** Did he have two pits, which he would alternate?
40 **038:** Yes, two pit. And big pit.
41
42 **AJG:** Ok. Is there anything else you would like to tell me about your experience with this EcoSan
43 toilet?
44 **038:** He says that...if here installed many latrines, every household has a latrine. Then those who use
45 open field for defecating, this create some germs that is harmful for all over the places...all over
46 the places. And somebody have some children...child. They are defecating in open field. If there
47 are any EcoToilets here, as for need, it would reduce the practice of using the open field.
48
49 **AJG:** Ok, good. Just a few more questions.

[42:50 : Begin collecting demographic information]

[43:52 : END OF INTERVIEW]

Date: 9/17/2011

Latrine No.: 027

Interview No.: 039

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	12:04	██████████	Hatigara Village
Interview end:	12:27	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Niloy

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	9	No

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
9	9	3

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	2	4	1

NOTES:

Son of Respondent 038

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** So this is interview 039. What is your name?
2 **039:** [REDACTED].
3 **AJG:** So Niloy, can you tell me about your toilet?
4 **039:** Yes, he can.
5
6 **AJG:** What would you like to tell me?
7 **039:** He always use the toilet, and use ash and water. There is sandal here, he use also the sandal. This
8 is, he told.
9
10 **AJG:** Have you ever used another type of toilet?
11 **039:** Yes, he use another kind of toilet.
12 **AJG:** Where have you used other kinds of toilets?
13 **039:** Sometimes he use another toilet...that ring-slab or pit latrine on the other side.
14 **AJG:** A neighbor's toilet?
15 **039:** That is the owner of...his uncle and [inaudible].
16 **AJG:** Which toilet is easier to use?
17 **039:** EcoToilet. EcoToilet is easier to use.
18 **AJG:** Why is it easier?
19 **039:** Because it takes a little bit of water, and there is a soap case inside, and he wash inside of this
20 toilet. This is the advantages of that.
21
22 **AJG:** At your school is there a toilet?
23 **039:** Yes.
24 **AJG:** What type of toilet?
25 **039:** A ring-slab toilet?
26 **AJG:** Do you like to use the toilet at school?
27 **039:** Yes. He want an EcoToilet at his school. [Pause as respondent continues to speak.] He says there
28 is a ring-slab toilet in his school. There is a tap also, but there is no water on the tap.
29 **AJG:** Oh. So you are not able to wash?
30 **039:** They use a bucket or pot to take water from other...from outside.
31 **AJG:** If you have to use the bathroom at school, will you go there or will you wait to come home?
32 **039:** School. His school is so far from here, he use the school's toilet.
33 **AJG:** But you prefer to use this toilet?
34 **039:** Yes. [Pause as respondent continues to speak.] If his school is not so far, he use it [the
35 EcoToilet].
36 **AJG:** How do you get to your school in the morning?
37 **039:** He walks.
38 **AJG:** Do you walk by yourself?
39 **039:** He walks alone, and it takes 15 or 20 minutes.
40
41 **AJG:** Have you ever shown any of your friends your toilet?
42 **039:** Yes, he did.
43 **AJG:** What do they think of the toilet?
44 **039:** He...share with his friends that this toilet is so good, and invite them to use it sometimes. And
45 they also say it is good.
46 **AJG:** Do you teach your friends to use the toilet?
47 **039:** The children now is so aware, they all know how to sue it. They know because there are many
48 toilets. Also they have some EcoToilets, so they know it.
49
50 **AJG:** Do you know what happens with the feces and the urine?

1 **039:** He say that the defecating place is one, and a different place for the urinating. And it makes
2 compost. This is his concept of it.
3 **AJG:** Then what happens wit the compost?
4 **039:** The compost is used in the vegetable fields and the kitchen garden and also crops.
5
6 **AJG:** Do you ever help to use the EcoSan products?
7 **039:** Yes, he helps.
8 **AJG:** With the urine, the feces, or both?
9 **039:** He used it, urine, to their vegetable garden and fruit trees in winter season. In winter.
10 **AJG:** Did you think it was disgusting to touch these products?
11 **039:** No, he has no disgusting concept. It is not a disgusting thing. It is fertilizer; it has to be used in
12 the field.
13 **AJG:** Do any of your friends think it is disgusting to use this?
14 **039:** Some of his friends say, 'It is a disgusting thing. It is human feces. You dry it with your own
15 hands. It is disgusting thing.' Some of his friend's comments.
16 **AJG:** Do you ever feel embarrassed when they say that?
17 **039:** Actually, he question is why they [think] it is disgusting]. It is fertilizer, it has to be used in the
18 garden, so why [are] they disgusted [with] it.
19 **AJG:** What do you say to them?
20 **039:** He say that every crop, every vegetable and fruit tree needs some fertilizer. This is one kind of
21 fertilizer, so why not use it.
22
23 **AJG:** After you touch the EcoFertilizer, do you always wash your hands?
24 **039:** Yes, he wash his hands with soap
25
26 **AJG:** Have you ever had any diarrhea since this toilet has been installed?
27 **039:** No.
28 **AJG:** Did you ever have diarrhea before?
29 **039:** No.
30
31 **AJG:** Where did you learn to wash your hands after using the toilet?
32 **039:** He learnt is from one if his books...science book that is in his school list. They are explain how to
33 create the dirty of the hands make some diarrheal diseases. He learned it from his book.
34 **AJG:** Is there always soap in the toilet?
35 **039:** Every time he use soap.
36 **AJG:** Is there always enough ash in the toilet?
37 **039:** Yes, he use ash. If he saw there is no ash in the pot, he collect the ash and put it [in the
38 EcoToilet].
39 **AJG:** where do you collect the ash?
40 **039:** He get it from his cooking stove. They burned woods and leaves. It make ash and he easily get it
41 there.
42 **AJG:** Where do you get the water for your toilet?
43 **039:** he has a tube well. A deep-tube well, and he collect water form there.
44 **AJG:** How much water do you need for the liter?
45 **MK:** Liter, two liter?
46 **039:** More than one liter for use.
47
48 **AJG:** Do you have any responsibilities associated with the toilet?
49 **039:** No.
50 **AJG:** No responsibilities. Who cleans the toilet?
51 **039:** His father.
52 **AJG:** Does your mother eve clean the toilet?
53 **039:** Actually his father clean it. If his father is not here, then his mother clean it.
54 **AJG:** Is the toilet always this clean?
55 **039:** They clean it once in a week.
56

1 **AJG:** Is there anything you would want to change about this toilet? Anything that would make it easier
2 for him to use?
3 **039:** Because the door, if it is the other side, then it is good for him
4 **AJG:** Why?
5 **039:** Some people go to the road, and they look him [as he is entering the toilet]. Privacy problem.
6 **AJG:** But once you are inside the toilet, you feel that there is adequate privacy?
7 **039:** Yes, he feels comfort.
8
9 **AJG:** And who is this [referring to a young boy who has just entered the room]?
10 **039:** His cousin.
11 **AJG:** And he lives in this village?
12 **039:** Yes.
13 **AJG:** And what is his name?
14 **039:** [REDACTED]
15 **AJG:** Has [REDACTED] ever used this toilet?
16 **039:** No, he is not allowed to go in that toilet.
17
18 **AJG:** Do you ever have a problem with people who are not allowed to use that toilet trying to use the
19 toilet?
20 **039:** No, there is no problem, but somebody wants...somebody wants to defecate in here?
21 **AJG:** Some people want to?
22 **039:** Some people want.
23
24 **AJG:** If I were a guest and going to use the toilet for the first time, can you describe to me how to use
25 the toilet? Be as detailed as possible.
26 **039:** Yes, he trained you how to use it.
27 **AJG:** Can you tell me?
28 **039:** At first...[Pause as respondent continues to speak.] At first, he collects water, and goes. Opens the
29 cover and defecates, and goes back side for wash. And covers the defecating hole. Then washes with
30 soap, then goes outside. And uses the ash also...and uses ash.
31 **AJG:** Do you cover the feces chamber before you wash?
32 **039:** After defecating, he covers the defecating hole, then he washes, then goes outside.
33 **AJG:** Does he cover the hole before he anal washes?
34 **039:** Yes, after defecating, and before wash he covers the [hole].
35 **AJG:** Is the hole covered while he urinates?
36 **039:** Before urinating, he opens the cover.
37
38 **AJG:** Ok, [REDACTED] thank you very much.

[22:52 : END OF INTERVIEW]

Date: 9/17/2011

Latrine No.: 028

Interview No.: 040

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	12:37	██████████	Hatigara Village
Interview end:	12:55	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Abdul Karim Buan

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	55	Yes

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
55	55	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	0

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Ok, interview 040. What is your name, sir?
2 **040:** [REDACTED]
3
4 **AJG:** Can you tell me about your experience using this toilet?
5 **040:** He tells that he get some compost here, and it has no bad smell. It doesn't produce some germs
6 that is harmful for their health.
7
8 **AJG:** Do you use the fertilizer in your fields?
9 **040:** Yes, he used it eight times in his crop field.
10 **AJG:** Did you notice an improvement in your crops when you used the EcoSan fertilizer?
11 **040:** Yes, it increased the production of his crops.
12
13 **AJG:** And you were one of the first people in this village to install an EcoToilet, correct?
14 **040:** Yes, one of the first four. First four.
15 **AJG:** Did you experience...did you receive any criticism for constructing this toilet?
16 **040:** Yes, the first time, people criticize him. They say, 'This is human feces, how are you using in your
17 crop field. And how you use this type of latrine.' This is the criticism by the other communities.
18 **AJG:** Did the criticism bother you?
19 **040:** He had a training by BARD before. He know about this type of toilet, and the uses of the
20 compost. So it didn't bother.
21 **AJG:** Do you still hear any negative reactions from members of the community?
22 **040:** No there is no problem here. So many people now want, because it produces compost.
23
24 **AJG:** Have you ever...Where do you use the EcoSan products?
25 **040:** He used it in his crop field and fruit trees.
26 **AJG:** Both the urine and the feces?
27 **040:** Yes, both are used in the crop field and fruit trees.
28
29 **AJG:** What is your primary source of income?
30 **040:** He has agro-based farming. There is some business in market. And he is working in cooperative
31 society as...accountant. This is the income source of his.
32 **AJG:** Has your agricultural income increased since you began using the EcoToilet?
33 **040:** Yes, his production of crops has increased, and it increased his income level.
34 **AJG:** How much has your income increased?
35 **040:** 5,000 [BDT] to 7,000 [BDT].
36 **AJG:** Per year?
37 **040:** Yes, per year.
38
39 **AJG:** Who is using this toilet?
40 **040:** Six people of his family use it. [Pause as respondent continues to speak.] One...two men and
41 four women.
42 **AJG:** Any children?
43 **040:** There is children, but he doesn't use. He is only two years.
44
45 **AJG:** Did anyone in the family have difficulty beginning to use this toilet?
46 **040:** No there is no problem to use it. [Pause as respondent continues to speak.] And his relatives also
47 use it. When they are here, they use it.
48
49 [Pause interview as respondent calls a motor-rickshaw for his wife and daughter.]
50
51 **MK:** What is the name of this place, do you know?

1 **AJG:** Hatigara.
2 **MK:** Hatigara.
3 **AJG:** And Comilla Upazilla?
4 **MK:** Comilla Upazilla and District.
5
6 **AJG:** How long did it take to adjust to using this toilet?
7 **MK:** Huh?
8 **AJG:** How many weeks did it take until you became comfortable using this toilet?
9 **040:** Ten or twelve day. More than one week.
10 **AJG:** Now, after six years, seven years, when you go to the toilet, do you have to think, 'Urinate in the
11 front, defecate in the middle, anal wash in the back,' or does it feel normal to you?
12 **040:** There is no problem now. It is habit.
13
14 **AJG:** If you were to move to another village or another home, would you want to build another
15 EcoToilet?
16 **040:** Yes. He...[Pause as respondent continues to speak.] Yes, he will make another EcoToilet if he go
17 another place from here.
18 **AJG:** How much would you be willing to pay for another EcoToilet?
19 **040:** He cost all.
20 **AJG:** Sorry? He would pay the whole cost?
21 **040:** Yes. If nobody helps him, he will pay the whole cost.
22 **AJG:** You would pay everything?
23 **040:** Pay everything. [Pause as respondent continues to speak.] He thinks it is 10,000 [BDT] to 15,000
24 [BDT]. It is not a matter for him.
25
26 **AJG:** If you were to build another toilet, is there anything you would want to change about the design of
27 this toilet?
28 **040:** It is proper, he is saying.
29 **AJG:** What about the urine collection of this toilet?
30 **040:** He use a pot to collect urine from there...from the urine pot.
31 **AJG:** It is not difficult?
32 **040:** It is not difficult for him.
33
34 **AJG:** Has anyone ever expressed interest in buying the EcoSan products from you? The compost?
35 **040:** Yes. Somebody wants to buy it and he sells it. He has sold it.
36 **AJG:** You have sold it?
37 **040:** Yes.
38 **AJG:** How much did you sell it for?
39 **040:** 20 taka per kg. He have sold it.
40 **AJG:** Why did you sell it rather than use it in your field?
41 **040:** He have sold it to make a system to market this product. He is a member of a cooperative, so...
42 **AJG:** Was this at the agricultural fair [described by Dr. Shishir Munshi and Dr. Masudul Hoq
43 Chowdhury]?
44 **040:** They sold it in...an agricultural fair in Comilla. Beside the Comilla stadium.
45 **AJG:** Now you always use the compost yourself? You have not sold any of the compost since?
46 **040:** Now he use it for his own field. He has not sold it.
47
48 **AJG:** Anything else you would like to tell me about your toilet?
49 **040:** He tells it is social aspects. It creates not germs, what is make harm for societies health. If more
50 people get EcoToilet, there is n pollution here, he say. [Pause as respondent continues to speak.]
51 It is also useful, as there is a large number of people on our country and the space is just little.
52
53 **AJG:** Ok, thank you very much.

[18:02 : END OF INTERVIEW]

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is interview 041. Sir, what is your name?
2 **041:** [REDACTED]...
3 **AJG:** Yeah, [REDACTED] And you are the owner of this toilet?
4 **041:** He is the owner of this toilet, but he doesn't use it. Sometimes he use the other family...[Pause as
5 respondent continues to speak.] His cousin family use it sometime [Indicating respondent
6 sometimes uses his cousins EcoToilet].
7 [Pause as respondent continues to speak.]
8 They cannot use it because the installation of the divider...the feces hole and the urine hole [the
9 partition between the feces chamber and the internally mounted urine collection vessel], it is
10 broken now. They cannot repair it and it is unusable now.
11
12 **AJG:** Can you tell me how long the toilet was used before it fell into its current condition?
13 **041:** After installation it was used two years, then it is unusable.
14
15 **AJG:** Did you contact BARD about the broken partition?
16 **041:** He informed it... [Pause as respondent continues to speak.] He informed it, BARD, organization
17 of BARD, the organization of JICA. The installation engineer also informed by him. [Pause as
18 respondent continues to speak.] He informed it, but they cannot take any situation to create its
19 repair. The partition of defecating hole and urinating hole has broken. Although he informed,
20 they cannot take any decision to repair it.
21 **AJG:** Why did they not repair it?
22 **041:** He doesn't know. [Pause as respondent continues to speak.] He told tat he informed, but hey
23 didn't repair it. Why, he doesn't know. He also say there is not skilled mason here that can repair
24 it. So it is unusable now.
25 [Pause as respondent continues to speak.]
26 There is no skilled mason here to repair it.
27 **AJG:** If you could find a skilled mason, would you have paid for the repairs?
28 **041:** Actually, they are poor people, but they have no...they can't share the cost.
29
30 **AJG:** When you were using the toilet, for the two years, what was your experience like with the toilet?
31 **041:** The experience of the time is that it is a good thing. TI is a good installation, because it produce
32 compost with human feces and they use it in the crop field. That is his experience. [Pause as
33 respondent continues to speak.] It is too much good...better than any other toilet.
34 **AJG:** Sorry?
35 **041:** It is better than any other toilet. [Pause as respondent continues to speak.] He used only compost
36 and no chemical fertilizer and he get more production from his crop field.
37
38 **AJG:** And...if you had the opportunity to repair this toilet, would you be able to pay a little money to
39 repair it?
40 **041:** He says there is no way to repair it. If you repair it, it must [be] broken. Because the wall is on
41 the slab. [Pause as respondent continues to speak.] Defecating hole, partition...on it [is the] slab.
42 And the wall of the installation is on the slab.
43 **AJG:** So thee partition is broken?
44 **041:** Yeah. If you want to repair it, you have to broken it [the slab].
45 **AJG:** So you would have to break the slab to repair it?
46 **041:** Yeah, because the wall is on the slab.
47
48 **AJG:** Would you be interested in installing another EcoToilet here?
49 **041:** Yes. He want another EcoToilet...other EcoToilet.
50 **AJG:** Many of the other people in this village that have EcoToilets paid as much as 3,000 taka [as cost-
51 sharing installments]. Would you be willing too pay this?

Date: 9/17/2011**Latrine No.: 029****Interview No.: 041****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:11	██████████	Hatigara Village
Interview end:	13:44	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Sirajul Islam

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	70	Yes

Residency Information

Length of Residence in Hatigara:	Length of Residence at Current Location:	Number of Residents in Household:
70	70	7

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	Twin pit ring-slab	1	7	2

NOTES:

Respondent is owner of a decommissioned Phase I JADE/BARD EcoToilet.

The toilet was in use for approximately two years before the partition between the internal urine storage vessel and the feces chamber broke. The toilet was then used for approximately two months before the family transitioned to a ring-slab latrine.

1 **041:** Cost is not a problem for him. The problem is space...the land.
2
3 **AJG:** Who was using the toilet when it was in operation?
4 **041:** Seven people used it when it was used.
5
6 **AJG:** How did the partition break?
7 **041:** he thought that the smell of the human feces and urine damage it. The smell damage it, and the
8 main cause he doesn't know. He thought that the urine and human feces smell...the bad smell
9 damage it.
10
11 **AJG:** What is the family using as a toilet now?
12 **041:** Ring-slab toilet.
13
14 **AJG:** During the two years when the toilet was used, did you notice a reduction in the incidence of
15 diarrheal disease?
16 **041:** he cannot memorize it. Maybe or may not he has said.
17 **AJG:** When you came to...you were one of the first in the village to have this toilet...
18 **041:** First four, one of the first four.
19 **AJG:** What made you decide to install this toilet?
20 **041:** One engineer, one engineer, maybe BARD or JICA or one other organization, he installed it.
21 [Pause as respondent continues to speak.] He said when it was installed, the installment is so
22 weak, and the bricks and the cement they used, it is not proper. It is his concept about the
23 breaking of the wall.
24
25 **AJG:** Did you have any problems, initially in 2005, with the idea of using the fecal compost?
26 **041:** No, there is no problem in the preliminary stage, because they are trained, and after six months the
27 human feces become just ash. So there was no problem for them to use the compost to the crop
28 field for them. No problem.
29 **AJG:** And what about the urine?
30 **041:** No, there is no problem
31
32 **AJG:** What is your primary source of income?
33 **041:** There is some land property...some agro-based land property. And he has a business in the
34 market. And one of his son is abroad in Saudi Arabia, and he send some money to them every
35 moth. And they have no problem now.
36
37 **AJG:** Were there any benefits, even though the toilet is no longer working, did you find any benefits to
38 this toilet?
39 **041:** They used EcoCompost there and they used it...their crop field instead of chemical fertilizer. This
40 is their experience. They were benefitted by this EcoToilet.
41 **AJG:** and you were disappointed when the toilet was no longer useable?
42 **041:** Yes.
43
44 **AJG:** Did the family continue to use the toilet after the partition had broken?
45 **041:** Yes, after breaking the partition wall they used it.
46 **AJG:** For how long?
47 **041:** Two or three months.
48 **AJG:** What was the result?
49 **041:** After using two or three months, it...bad smells. Some problem, so they didn't use it after that.
50 **AJG:** Then what happened? Was the toilet cleaned and people stopped using it?
51 **041:** No, nobody used it from then. It is closed.
52 **AJG:** Was the toilet cleaned? Did they empty the contents of the toilet?
53 **041:** No.
54 **AJG:** They just left it?
55 **041:** Yeah.
56

1 **AJG:** Why did you decide to install the toilet so far from your home?
2 **041:** There is one family, and they use it... [Pause as respondent continues to speak.] They installed it
3 in their fields of land, and there home...so they installed it there.
4
5 **AJG:** How much does the ring-slab latrine cost to install? How much does it cost to maintain?
6 **041:** Total cost of the ring-slab toilet is 4,000 [BDT] or 5,000 [BDT]. And it has to be cleaned by the
7 sweeper, and it cost 6 to 8 months. [Pause as respondent continues to speak.] Every six or seven
8 month it cost 600 [BDT] or 700 [BDT] to clean it.
9 **AJG:** Have you had incidence of diarrheal illness since using the ring-slab again?
10 **041:** Sometimes the children are sick by diarrheal disease. But that not a big instance.
11
12 **AJG:** After the installation of the EcoToilet, did the family's hygiene practices improve?
13 **041:** Yes, they developed their hygiene practice at that time. [Pause as respondent continues to speak.]
14 Even they are practicing now.
15
16 **AJG:** What is the source of drinking water here?
17 **041:** Tube well. Tube well.
18 **AJG:** Who installed the tube well?
19 **041:** They themselves installed the tube well with their own cost.
20 **AJG:** How much did that cost you?
21 **041:** 6,000 [BDT]. More or less 6,000 [BDT].
22
23 **AJG:** What sort of toilet did you have before the EcoToilet?
24 **041:** One kind of ring-slab toilet but the upper side is made by temporary...just leaves.
25 **AJG:** The super structure?
26 **041:** Yeah, the super structure is just leaves, not construction by brick. That was a ring-slab toilet?
27 **AJG:** Does your current ring-slab toilet have an improved super structure? Sheet metal?
28 **041:** This is another installation...that was made by brick.
29 **AJG:** Their current ring-slab?
30 **041:** Yes. Ring-slab. Other new installation.
31 **AJG:** It has brick and a sheet metal roof?
32 **041:** Yes.
33 **AJG:** And you paid for it yourself?
34 **041:** Yes. It was a new installation and it cost 3,000 [BDT] or 4,000 [BDT] for all of the...
35
36 **AJG:** What do you think are the attitudes in the community about the use of the EcoSan fertilizer?
37 **041:** At first, the people of all the communities remarks that it is very bad...that the human feces use in
38 the crop field. But after use, and increased production, they want it. They wan tit and there is no
39 bad criticism about it.
40
41 **AJG:** Was the adjustment, the behavioral adjustment to using the new toilet, was that difficult?
42 **041:** They are trained by JICA and BARD, so they know the basic thing of EcoToilet. They had no
43 problem to use it, to practice it. ...[Pause as respondent continues to speak.] They trained, and
44 check it and monitoring it, how to use, so there is no problem.
45
46 **AJG:** Thank you very much. Just a few more questions.
47
48 **AJG:** Is the ring-slab latrine one pit, or two pits?
49 **041:** Two pit.
50 **AJG:** Are any children using the ring-slab latrine?
51 **041:** Yes, they use it.

[29:30 : Begin collecting demographic information]

[31:48 : END OF INTERVIEW]

Date: 9/17/2011**Latrine No.: 030****Interview No.: 042****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	14:57	██████████	Joypur South Village
Interview end:	15:52	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Md. Taher

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	60	Yes

Residency Information

Length of Residence in Joypur South:	Length of Residence at Current Location:	Number of Residents in Household:
60	35	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	1

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** This is Interview 042. What is our name?
2 **042:** [REDACTED]
3 **AJG:** I am Tony. Can you tell me the story of how this toilet came to be installed at your home?
4
5 [MK phone ringing]
6
7 **042:** [REDACTED] of SPACE]. Please.
8 **AJG:** Ok.
9
10 [Recording paused as MK takes phone call.]
11
12 **042:** After oriented by JICA and BARD, they told him, 'You can make a toilet that can produce
13 compost, and it is clean. And you can produce...'
14 [Pause as respondent continues to speak.]
15 They trained and they also explained what is the design. One chamber for defecating, a defecating
16 hole for one pot. And after six months it produces compost they can use in the crop field and
17 vegetable field. So they wanted an EcoToilet and they installed it here.
18 [Pause as respondent continues to speak.]
19 He talks about the uses and the maintenance.
20 **AJG:** What did he say about the usage and maintenance?
21 **042:** Actually, he says that the defecating hole is defined, and the urinating hole is defined, so it cannot
22 mix and make any bad smell.
23 **AJG:** [Addressing MK] If he says anything...feel free to let him say it and just translate it back to me.
24 **MK:** Ok, ok. Thank you.
25 **042:** He wanted to say about the design, about how to install it, what is his...his urinating hole, his
26 chamber of compost. He wants us to understand this is that [the design of the toilet].
27
28 **AJG:** This is one of the first toilets in Joypur South [village]?
29 **042:** This is the first four installations. One of the first four installations.
30
31 **AJG:** Who made the decision to install this toilet?
32 **042:** He and his wife discussed together and made the decision to get a toilet. He and his wife
33 also trained...a training session in BARD together, and made the decision together. [Pause as
34 respondent continues to speak.] His wife was also with him.
35 **AJG:** Was it a difficult decision to make?
36 **042:** No, there is no problem to make a decision. But they discuss when the relatives come here, how
37 will they use it? But the trainer told them they can learn them. And [now] they [the relatives] use
38 the toilet easily.
39
40 **AJG:** What were the main reasons you wanted this toilet?
41 **042:** At first he did not agree with them...
42 **AJG:** With who?
43 **042:** With BARD and JICA. Them. But when they explain, 'It produces compost and he can use it in
44 the vegetable field and crop field as well. And the urine, he can use it in fruit trees.' Then he
45 decides. Then he decides, I have to get an EcoToilet. For compost. The principle matter is
46 compost.
47
48 **AJG:** How long did it take you to make this decision?
49 **042:** Six months.
50 **AJG:** Six months. Were there any other factors besides the compost?

1 **042:** The other factors are: one, it is cheaper, cost. Another one it is hygienic. Another one is it...it
2 doesn't make bad smell. These three is thought by him.
3
4 **AJG:** Was any one person in the family the primary motivator with regards to this decision?
5 **042:** He and his wife make the decision. His son also support him. This is the way to decision-making
6 process.
7 **AJG:** Was either you or your wife a large proponent of the toilet's installation?
8 **042:** His wife also support him.
9 **AJG:** More than him?
10 **042:** He is more...
11 **AJG:** More supportive of the toilet?
12 **042:** Yeah, than his wife.
13 **AJG:** Who takes primary responsibility for the toilet now?
14 **042:** He is accountable for the toilet. [Pause as respondent continues to speak.] He tells is wife is also
15 busy with some cooking and some other household work, so he is the accountable man for
16 cleaning and maintenance of the EcoToilet.
17 **AJG:** What sort of maintenance do you perform on the toilet?
18 **042:** From the very beginning until now, he is accountable for maintenance.
19 **AJG:**
20 **042:** He clean it once in a week and produce compost and use in the crop field and fruit trees. He has a
21 plan to use it in future in his *boro* land. *Boro*...is paddy, one kind of paddy. He has a plan to use
22 it. [Pause as respondent continues to speak.] He also say that if he use it, just a little bit, it increase
23 production. It is proved.
24 **AJG:** And you have proved this yourself?
25 **042:** Yes. He has. [Pause as respondent continues to speak.] And also the Japanese people, JICA,
26 observe the improvement. [Pause as respondent continues to speak.] Japanese people come and
27 observe the cabbage field, and the production of the cabbage field is higher than before. They
28 collect their cabbage also to their home country.
29
30 **AJG:** Where are you currently using the fertilizer?
31 **042:** His paddy field and vegetable garden and fruit trees.
32 **AJG:** And is both the urine and feces used?
33 **042:** Yes...compost and urine.
34 **AJG:** On all three places?
35 **042:** Yes.
36
37 **AJG:** What is your attitude towards the use of the fertilizer?
38 **042:** He told that the compost of EcoToilet increase his production. Every square of his crop field, his
39 fruit trees, his vegetable garden. He also said this is the best compost he has seen.
40 **AJG:** Did you ever find it disgusting to use this compost? Initially when you first decided to build this
41 toilet?
42 **042:** Yes. He feels some disgusting at the very first.
43 **AJG:** When did that feeling change?
44 **042:** At the very beginning all the community people and other peoples say that it is disgusting...that
45 make a disgusting feeling. But when they get result, get more production, then it changed.
46
47 **AJG:** Was the use of the EcoSan products something you discussed when making the decision to build
48 this toilet?
49 **042:** He told that after defecating and then the chamber...when the chamber is full, after six months it
50 is like just ash. Manually, they use their hand to sue it in their crop field. The disgusting feeling
51 is now changed. He also say that Dinajpur, Rangpur, Syhlet, Dhaka and foreigners come here and
52 see.
53 **AJG:** But was the use of the products, did he discuss that when making the decision to install the toilet?
54 Was this a barrier to the toilets installation?
55 **042:** The very first one, the disgusting feeling made his decision delayed. But when he oriented and
56 trained by the organization, JICA or other organization he realize that it is not a problem. Because

1 after defecating they use ash, and it is six month...after six month they open the chamber. And
2 when they open they chamber they look and it is only ash. Then they changed. The very
3 beginning, this feeling delayed the decision.
4
5 **AJG:** What sort of toilet did you have before this EcoToilet?
6 **042:** Traditional pit latrine? [Pause as respondent continues to speak.] They have other house...they
7 have a ring-slab...no, a pit latrine there.
8 **AJG:** So they have moved here since?
9 **042:** They are newcomer here, but that is 30 years. Before 30 years they lived in the other house.
10 [Pause as respondent continues to speak.] But interesting that they came here before 30 years, but
11 they used that latrine for 12 or more years [after] they lived here.
12 **AJG:** How far away?
13 **042:** More than 100 meters.
14 **AJG:** Is it a dual pit latrine?
15 **042:** Single pit. [Pause as respondent continues to speak.] Two. Two pits.
16
17 **AJG:** Have you had any problems using this toilet?
18 **042:** No. They have no problem at all.
19 **AJG:** Is there anything about the pit latrine that was better than the EcoToilet?
20 **042:** This is the better one...a good one?
21 **AJG:** Did the pit latrine have any advantages to this toilet?
22 **042:** This one is better. That makes bad smell, he say. Bad smell. [Pause as respondent continues to
23 speak.] Before 30 years or more, he that the people usually use open field for defecating, for
24 urinating. That is very bad, he told.
25 **AJG:** Why is that bad?
26 **042:** It make bad smell and creates some germs, what is harmful for their physical...for their body and
27 physical condition. And it is not looking so good from his view.
28 **AJG:** For his health?
29 **042:** From his view, he think it is very bad thing.
30
31 **AJG:** And you did not pay for this toilet? No user contribution for this toilet?
32 **042:** No, it is the first installation [2005], it doesn't make any cost. The organization made it by there
33 own cost. [Pause as respondent continues to speak.] The...make some cost in training. 300
34 [BDT] plus 300 [BDT]. He and his wife. 300 [BDT] plus 300 [BDT]. No other cost for
35 installation of this.
36 **AJG:** Now that you have had the toilet, would you be willing to pay for this toilet?
37 **042:** Yes. [Pause as respondent continues to speak.] He want to share some money, but if he doesn't
38 get any help, then he will pay total cost of the new installation.
39 **AJG:** How much is the total cost?
40 **042:** 35,000 [BDT].
41
42 **AJG:** What is your primary source of income?
43 **042:** Agro-based farming. And one of his sons is abroad. He is in...Saudi Arabia, and send money.
44 This is the...
45 **AJG:** Has your income increased due to the use of the EcoFertilizers?
46 **042:** 1,000 [BDT] to 1,500 [BDT] reduction to his cost. Because he used chemical fertilizers; 3,000
47 [BDT] or more. Now this is 1,500 taka fertilizer cost. The rest of that he use compost from the
48 toilet.
49 **AJG:** Has the increased yield from the crops resulted in a higher income as well?
50 **042:** Yes, his income has increased by the EcoToilet. He has a vegetable garden where he grows, as
51 per need. And he also sell the vegetable to the market. That increase his source of income. And
52 fruit trees. [Pause as respondent continues to speak.] 600 taka to 700 taka vegetable, sells to
53 market.
54 **AJG:** How often?
55 **042:** Six months. In six months.
56

1 **AJG:** How many users? How many members of your family are using the toilet?
2 **042:** Five peoples use this toilet. [Pause as respondent continues to speak.] And when the relatives
3 come, they also use it.
4 **AJG:** Are any children using it?
5 **042:** Yes, there is a children here. He is aged seven years. He also used this toilet.
6 **AJG:** This is the only child that uses the toilet?
7 **042:** Yes, only child.
8 **AJG:** How has this child adapted to the use of the toilet?
9 **042:** He trained...he trained the child. [Pause as respondent continues to speak.] And when the
10 relatives come, he also train them to use the toilet.
11 **AJG:** How old was the child when he began to use the toilet?
12 **042:** He takes no more time. Thy train him usually when...this is the defecating hole, this is the
13 urinating hole, and you can use it easily.
14 **AJG:** How many years old was the child when he began to use the toilet?
15 **042:** When he was six.
16
17 **AJG:** Can you tell me about when you use the compost? What procedure do you follow?
18 **042:** When the chamber is full, after six month he wait. After six months he open the chamber and mix
19 with a spade. He open it and cover it in some pot, which is called *tukri* pot. And go to crop field
20 and use it by throw it.
21 **AJG:** With your hand?
22 **042:** Hand throw. This is the process to use.
23 **AJG:** Is the compost dried before you use it?
24 **042:** No, they don't dry it.
25 **AJG:** Do you always wash your hands after applying it?
26 **042:** They usually use it and wash...with soap.
27 **AJG:** Who taught you these procedures? Was this Bard and JICA training?
28 **042:** Mainly the JICA, the Japanese people, and BARD, trained them how to use it in the crop field.
29
30 **AJG:** With six months of compost, how much of your land, your fields can you cover?
31 **042:** Half an acre.
32 **AJG:** How did you know how much compost to apply?
33 **042:** They use it one or two times...two or three times and observe it, what is the result. They made a
34 decision...theory on how to use it.
35 **AJG:** Did JICA tell you to use it on a half acre only?
36 **042:** They invented it. He told, they invented it.
37
38 **AJG:** When you use the urine, how do you use it?
39 **042:** Usually they use urine [at a ratio of] one is to one. One is water and one is urine. He got a good
40 result in his fruit trees.
41 **AJG:** Did JICA tell you to use urine one to one, or did you do that yourself?
42 **042:** He invented this theory, one is to one. He observed this make a good result to crop field and to
43 fruit trees. But JICA and other organization say it is five is to one. Five is water and one is urine.
44 But observe it one is to one is better.
45 **AJG:** Do you use a different ratio in your vegetable garden then you do in your fruit trees?
46 **042:** He used it in his vegetable garden and his fruit trees. But he doesn't use it in his crop field. In his
47 paddy, wheat. He doesn't use...
48 **AJG:** He doesn't use the urine in his crop field?
49 **042:** No. Only the fruit trees and vegetable garden.
50 **AJG:** Does he use a different ratio of urine to water in the vegetable garden?
51 **042:** In vegetable garden it is two is to one. Two water, one urine. In fruit trees it is one is to one.
52
53 **MK:** More questions?
54 **AJG:** Yeah, ok. If you moved to another village, would you build another toilet like this?
55 **042:** Yes, he make another EcoToilet there.
56 **AJG:** You have a son, yes?

1 **042:** Three sons.
2 **AJG:** Are they living in other villages? I know one is in Saudi Arabia.
3 **042:** Two lives here, and one abroad...in Saudi Arabia.
4 **AJG:** If your two sons moved to another village would you want to help them build an EcoToilet?
5 **042:** If they make a decision to move to another house for their son, he wants EcoToilet. But he also
6 told that if his son won't support this, it will not be possible for him [respondent].
7
8 **AJG:** What are the attitudes in the rest of the village regarding the use of EcoSan products?
9 **042:** At the very beginning, some people in communities say, 'It is vegetable garden. We eat it, and
10 you will use urine and human feces here. This is not a good thing.' But when they saw the
11 production level is higher than before, then people don't say anything at this time.
12 **AJG:** What barriers remain in this village preventing the construction of more EcoSan toilets?
13 **042:** There are many people here who wants an EcoToilet, but they have an economic problem. And
14 some people have a land...a problem of land.
15 **AJG:** But you don't think that negative attitudes towards the reuse of the fertilizer represent a barrier?
16 **042:** Most of the people say sit is good, use of EcoSan product in crop field. Because it is one type of
17 compost they say.

[50:54 : Begin collecting demographic information]

[52:56 : END OF INTERVIEW]

Date: 9/17/2011

Latrine No.: 031

Interview No.: 043

General Interview Information

Time		Translator:	Interview Location:
Interview begin:	16:03	██████████	Joypur South Village
Interview end:	16:50	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Cloudy	Very Humid	Khokonmias

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	52	Yes

Residency Information

Length of Residence in Joypur South:	Length of Residence at Current Location:	Number of Residents in Household:
52	52	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	0

NOTES:

Husband of Respondent 044

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 043. What is your name?
2 **043:** [REDACTED]
3 **AJG:** My name is Tony. May I ask you some questions about your EcoToilet here?
4 **043:** Yes.
5
6 **AJG:** Can you tell me the story about this toilet?
7 **043:** The organization JICA...the JICA men come here and oriented them. They give them one type of
8 toilet, what is produced compost, what they use in their crop field, their fruit trees their vegetable
9 garden. This is one of the first four EcoToilet. They oriented and trained, and he wanted to
10 get...the toilet.
11 **AJG:** Did he say anything else?
12 **043:** [Pause as respondent continues to speak.] He told that usually a ring-slab toilet that has tank, what
13 is cleaned by the cleaner or sweeper, that is a costly thing. The human feces or urine dos not make
14 any sort of compost there. Here, they get compost and it is hygienic also. His view, it is also
15 hygienic. There is no insect, like fly or other insects doesn't make germs here. So they prepared
16 this kind of toilet.
17
18 **AJG:** Are you married?
19 **043:** Yes.
20
21 **AJG:** Who was involved in the decision-making when it came to installing this toilet?
22 **043:** He discussed just a little bit with his wife. He said they wan tot give it, they give it...and if it
23 make a good result, we continue it. If bad, we destroy it.
24 **AJG:** What sort of things did you discuss with your wife regarding this toilet?
25 **043:** Actually, he and his wife also trained in BARD...their training session there. They also discuss
26 about the compost and the urine what is used in their crop field, and vegetable garden and fruit
27 trees.
28 **AJG:** What were the primary factors involved in making the decision to install this toilet?
29 **043:** There is no problem during the decision-making process. She support him.
30
31 **AJG:** How did you feel about the use of the EcoSan products?
32 **043:** He say that it is...take six months to make compost. When it is made, it is just like ash. There is
33 no disgusting feeling here. He opened the chamber and covered the pot the pot with a spade. He
34 doesn't dry it. It is mixed with a spade...
35 **AJG:** A what, sorry?
36 **043:** A spade and use dint heir crop field. There is no disgusting feeling.
37 **AJG:** When you first heard of EcoSan, what were your feelings about he use of the fertilizer?
38 **043:** At the very first time he has some hesitation. How is it? How can he use in the crop field? In the
39 very beginning.
40
41 **AJG:** How long did it take to make this decision?
42 **043:** Six or seven months.
43 **AJG:** Six or seven months? What were the things that made the decision take so long.
44 **043:** [Pause as respondent continues to speak.] He also said there is a pumpkin plant that he use
45 there...with his compost.
46 **AJG:** What made the decision take so long to make?
47 **043:** Actually they have no problem, but the organization takes time to install it for six months. They
48 have no major problem. One problem, he has n more space to install it.
49 **MK:** This is in his point of view. This is actually a big area.
50
51 **AJG:** Did you choose to put the toilet here, right next to your house?

1 **043:** There is no problem and it makes no bad smell, so it is ok.
2 **AJG:** Did he choose to put it here?
3 **043:** Yes, he likes it.
4 **AJG:** Was it his idea to put it here?
5 **043:** He has some problem in the land. He has only this space. And he has...the toilet has some
6 advantage, coming outside for the home and to get here. The rainy season is not a problem for
7 him [due to the toilet's proximity to the home].
8
9 **AJG:** Do you have some agricultural fields here?
10 **043:** Just a little bit. [Pause as respondent continues to speak.] More or less one acre. With his
11 household also.
12 **AJG:** Do you find that the toilet produces enough fertilizer for all of your crops?
13 **043:** No, it doesn't cover. Only the vegetable field and fruit trees. And just a little bit in crops field.
14 [Pause as respondent continues to speak.] He also now buy some chemical fertilizer. This is not
15 enough for his crop field, he is saying. [Pause as respondent continues to speak.] He says that one-
16 fourth acre is covered with this toilet.
17
18 **AJG:** How much do you spend on chemical fertilizers?
19 **043:** Yearly around 3,000 [BDT].
20 **AJG:** 3,000 taka?
21 **043:** 3,000 [BDT] per year.
22 **AJG:** Is this less than he used to spend? Has he decreased his chemical fertilizer usage?
23 **043:** 900 to 1,000 [BDT].
24 **AJG:** Less?
25 **043:** Yes, he decrease.
26
27 **AJG:** Where do you use the urine?
28 **043:** He used his urine in fruit trees, guava trees and in his vegetable garden. He also use it in banana
29 tree and cabbage garden.
30 **AJG:** But not in the crop field?
31 **043:** No. [Pause as respondent continues to speak.] No he doesn't use it in the crop field.
32 **AJG:** Why don't you use it in the crop field?
33 **043:** What he produced here is enough for the vegetable garden and fruit trees, not sufficient for the
34 crop field. So he used it...
35 **AJG:** When you use the urine what procedure do you follow?
36 **043:** He doesn't use any water.
37 **AJG:** No water?
38 **043:** No water.
39 **AJG:** Direct application to the crops.
40 **043:** Direct application.
41 **AJG:** Did anyone instruct you to use the urine this way?
42 **043:** The trainer say to them use water with the urine, but they improvised it and they direct use it here.
43 And get some more production when to use directly.
44 **AJG:** So you have found you get better production when it is used [directly]?
45 **043:** [Pause as respondent continues to speak.] He said that if he use in the crop field, then he mix with
46 water it, then use it. But in fruit trees and vegetable garden, he directly use it.
47
48 **AJG:** How many times have you removed the compost form your toilet here?
49 **043:** Five times he use it.
50 **AJG:** Only five times? In six or seven years?
51 **043:** They are only four [people using the EcoToilet]. Only four member in his family, so...
52 **AJG:** Do you always allow the feces to compose for six months?
53 **043:** They used it after six months...seven or eight months. Not less than that.
54 **AJG:** They leave it for more than six months?

1 **043:** Yes. [Pause as respondent continues to speak.] One chamber is full now, but there is now crop in
2 field now...when it will be need, then he open the cover and use that. More than six months one
3 chamber is full. [Pause as respondent continues to speak.] After some days he will use it.
4

5 **AJG:** Do you know other people in the village that have EcoToilets?
6 **MK:** Pardon?
7 **AJG:** Do you know other people in the village that have EcoToilets?
8 **043:** 14. He knows. 14 other toilets he knows about.
9

10 **AJG:** Have you had any problems with this toilet?
11 **043:** No, there is no problem here. [Pause as respondent continues to speak.] He said that the first four
12 installation has no problem, but the newer one has some problem. Because their roof is open and
13 sometimes the rainwater is going inside. The newer installation.
14 [Pause as respondent continues to speak.]
15 He said that if there is new installation I this toilet, the must take some decision for their roof.
16 There is some open place and rainwater sometimes go in. They recommend it for the new
17 installation. Please take it...
18

19 **AJG:** I see. The gap between the super structure and the roof. What about ash? Have you had any
20 problems getting enough as for the toilet?
21 **043:** he has no problem with ash, because they burned in their cooking stove woods, and leaves, when
22 it is dry. They burn it in their cooking stove, and get more ashes from here. So there is no
23 problem in ash.
24 **AJG:** What about when guests come and visit your home? Do they have trouble using this toilet?
25 **043:** When the guests come, they oriented them. This is the place for urinating, this is the place for
26 defecating and this is the place for washing. [Pause as respondent continues to speak.] When a
27 newcomer come, they oriented them. But when they learned from them...they learned from them
28 and use it easily.
29 **AJG:** Do you think that the guests use it correctly?
30 **043:** Sometimes they laugh on how to use it and what kind of toilet it is. Then they explain this is for
31 use...EcoSan...for vegetable garden. Then they are satisfied to use it.
32

33 [Phone ringing]
34 **MK:** Please.
35 [Pause recording as MK takes phone call.]
36

37 **AJG:** And you think that after you instruct the guests that they use the toilet correctly?
38 **043:** Yes, they can use it easily.
39 **AJG:** Do you check to make sure it has been used correctly?
40 **043:** Yes. [Pause as respondent continues to speak.] He always check when a newcomer use it. Where
41 he wash, where he defecate. If anybody made a mistake and throw just water in defecating hole,
42 he throw more ash, to preserve the water.
43

44 **AJG:** Do any of the guests ever make any remarks that the use of EcoSan products is unpleasant or
45 disgusting?
46 **043:** Sometimes they call...criticize them. At that time he argues that a sanitary latrine or ring-slab
47 latrine it has also human feces or a sweeper. When they clean it, they open the cover and the
48 human feces...human feces collect from the hole. That makes a very bad smell. There is no bad
49 smell [with the EcoToilet]. He logically explain them, and they receive it.
50

51 **AJG:** You mentioned there are four people in the household. Are all four individuals using the toilet?
52 **043:** Only four people. Four members of his family, and sometimes the relatives are using it.
53 **AJG:** Who are the four members?
54 **043:** He and his wife, and his son and his mother. And one of his son is going abroad.
55 **AJG:** Any children using the toilet?
56 **043:** No, there is no children here.

1
2 **AJG:** Would it be possible to speak with your wife. Just a few minutes, we can finish here.
3 **MK:** His wife is cooking here...
4 **AJG:** Oh she is busy.
5 **MK:** If she get some time, then she can. But he has a newborn baby here. [Pause as respondent
6 continues to speak.] 12 days.
7 **AJG:** 12 days! Oh! Congratulations.
8 **MK:** His wife is so busy with that.
9 **AJG:** Is it your child or your wife's child?
10 **043:** His daughters child. He is a grandpa.
11 **AJG:** Is it your first grandchild?
12 **043:** Yes, his first grandchild. His son is elder than the daughter, but he is abroad. This is the first
13 child in this family.
14 **MK:** Only 12 days so she cannot speak with us.
15
16 **AJG:** Ok...just one moment. What...did you have a toilet previously here? Before this [EcoToilet]?
17 **043:** Ring-slab. A ring-slab toilet.
18 **AJG:** It was here?
19 **043:** No, he destroyed it.
20 **AJG:** Was it a dual pit latrine?
21 **043:** One pit.
22 **AJG:** What are the major advantages of this toilet over the ring-slab?
23 **043:** He said that it is hygienic. It is clean, and it makes no...it doesn't make any bad smell. It produce
24 some compost, what is used in the vegetable garden. And it has increased his income level. These
25 are the advantages.
26 **AJG:** Did the ring-slab toilet have any advantages?
27 **043:** No. There is no advantage. [Pause as respondent continues to speak.] It is a disadvantage,
28 because after three or five or six months it is cleaned b the sweeper, and it is costly.
29 **AJG:** How much did it cost to clean one time?
30 **043:** 400 to 600 taka.
31 **AJG:** Every time?
32 **043:** Per time. [Pause as respondent continues to speak.] And it need some kerosene. Do you know
33 kerosene? One kind of oil.
34 **AJG:** Why was the kerosene used?
35 **043:** They used it when it is cleaned. Because of serious bad smell. So they cover it with kerosene.
36 [Pause as respondent continues to speak.] One liter or two liter they use when cleaning it.
37 **AJG:** And they pour it into the latrine?
38 **043:** Yeah, into the latrine. Because it is much bad smell.
39 **AJG:** Who does this? Do you do this or do the sweepers do this?
40 **043:** Sweepers. [Pause as respondent continues to speak.] Sometimes they also.
41 **AJG:** Is the kerosene then burnt?
42 **043:** No. They use it in their defecating hole first. They have the idea that the kerosene decrease the
43 bad smell. Bad smell of the ring-slab toile when it is cleaned.
44 **AJG:** Is this is common practice over Bangladesh?
45 **MK:** Yes. This a common practice. I know it from very many time. In Jessore, in Dhaka, in
46 Chittagong. Everywhere.
47 **AJG:** It is very dangerous. You can contaminate a lot of ground water.
48 **MK:** Yes, but it is the situation.
49
50 **AJG:** Interesting. Ok. If you were to move to another village or another home, would you build another
51 EcoToilet in the home?
52 **043:** He will make a toilet in this system...an EcoToilet.
53 **AJG:** You did not pay anything for this toilet, is that correct?
54 **043:** The cost is 32,000 [BDT] to 35,000 [BDT], but he did not share.
55 **AJG:** Would you be willing to pay for a toilet like this?
56 **043:** Yes, he will pay all the cost. Total cost. If he get another one, total cost.

1 **AJG:** Would you be able to afford this yourself, or would you take out a loan for this?
2 **043:** If he [inaudible] a skilled mason, he can make it, he say.
3 **AJG:** He would need a skilled mason, or he is a skilled mason?
4 **043:** No...he would hire a skilled mason...to make the toilet.
5
6 **AJG:** I noticed you have a piece of rope tied to the feces port [cover]. Why is that rope there?
7 **043:** He use it for placing the cover...defecating cover. He use it placing here and there he use with this
8 rope.
9 **AJG:** Why does he use the rope instead of his hand?
10 **043:** The handle of this cover is very small for him. So...[Pause as respondent continues to speak.]
11 The handle of the cover is so small, so he make a rope...use a rope to replace it.
12
13 **AJG:** Did you put the electric light in yourself?
14 **043:** This is an electric meter [mounted to the exterior of the superstructure]. He took it later after
15 constructing this toilet. When he got the electricity line, he place the meter here. It is only his
16 decision, no the organization's decision, his decision.
17
18 **AJG:** It seems like a very nice toilet design. Is there anything you would like to change about the toilet
19 design?
20 **043:** This design is perfect for him.
21 **AJG:** What about the urine collection [vessel mounted internally] in the platform?
22 **043:** This is the good system. The container is not so good, his view.
23 **AJG:** Is it better than the other system?
24 **043:** The container is not so good, because the container is small. [Pause as respondent continues to
25 speak.] But if there is a big container, maybe...
26 **AJG:** So this is a much larger container?
27 **043:** Yes.
28
29 **AJG:** We are just about to finish. Can we speak with your wife for ten minutes or fifteen minutes?
30 **043:** He will try.

[44:49 : END OF INTERVIEW]

Date: 9/17/2011**Latrine No.: 031****Interview No.: 044****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	16:52	██████████	Joypur South Village
Interview end:	17:02	██████████	Comilla Upzilla
		██████████	Comilla District
		██████████	Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Cloudy	Very Humid	Parbeen

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	50	Female Head

Residency Information

Length of Residence in Joypur South:	Length of Residence at Current Location:	Number of Residents in Household:
50	50	5

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	5	0

NOTES:

Wife of Respondent 043

Respondent indicated that she and her husband grew up in the same household together.

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 044. What is your name?
2 **044:** [REDACTED]
3
4 **AJG:** I just want to ask you, what has your experience with this toilet been like so far?
5 **044:** She told us after using this toilet, it makes...it produce some compost that is used in her kitchen
6 garden. That is a fine thing for her.
7
8 **AJG:** Have you had any instance of diarrheal disease in the family since this toilet was installed?
9 **044:** Yes...yes. Just a little bit. [Pause as respondent continues to speak.] One time.
10 **AJG:** Just one time?
11 **044:** One time, and one member of this family is sick by diarrheal diseases.
12 **AJG:** And is this less than it was before [the EcoToilet was in use]?
13 **044:** Only one time.
14 **AJG:** Less than when they were using the pit latrine?
15 **044:** When she used the ring-slab toilet, sometimes they are sick with diarrheal diseases six months or
16 seven months. Six months or seven months they are sick with diarrheal diseases.
17
18 **AJG:** Have your hygiene practices also improved since the installation of the EcoToilet?
19 **044:** Yes. Tissue...they used tissue paper and soap for their washing.
20 **AJG:** Did they do that before with the ring-slab latrine?
21 **044:** They practiced it all the time also...they practice hand washing.
22 **AJG:** The same as they practice now?
23 **044:** Yes, she told us that.
24
25 **AJG:** Do you ever speak with any of your neighbors about this toilet?
26 **044:** Sometimes she said to the other peoples, the neighbors about this toilet. But there is no new
27 installation here, so people are saying, 'If we had this kind of EcoToilet...this kind of toilet...'
28 The neighbors are saying.
29
30 **AJG:** Do you find this toilet is better for women's hygiene issues?
31 **044:** Yeah.
32 **AJG:** It is better than the ring-slab?
33 **044:** Yes, it is. [Pause as respondent continues to speak.] It is better than that. She said the
34 relatives...when the relatives come here to visit, there is some women here and they feel
35 comfortable in this toilet.
36 **AJG:** Why is this toilet better for menstrual hygiene?
37 **MK:** I questioned her, but she say about the other things, not about menstrual hygiene.
38 **AJG:** Ok, what did she say?
39 **MK:** She said it is good, it better than the ring-slab toilet. But she doesn't tell me about menstrual
40 hygiene.
41
42 **AJG:** Thank you very much for speaking with us. Just a few more questions than you can return to
43 cooking.

[07:13 : Begin collecting demographic information]

[09:20 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 032****Interview No.: 045****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	9:22	██████████	Jelepara Village
Interview end:	10:11	██████████	Rangamati Upzilla
		██████████	Rangamati District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Gayonbala Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	55	Yes

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
42	42	12

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	12	5

NOTES:

Mother-in-law of Respondent 046

Respondent's husband died four days prior to interview. Respondent is currently the head of the household, but was not when the decisions regarding the installation of the EcoToilet were being made.

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 045. What is your name?
2 **045:** [REDACTED]
3
4 **AJG:** Can you tell me about this toilet?
5 **045:** She said the worker, the SPACE people, came here and contacted with her. They say, 'Do you
6 want a toilet, a different type of toilet that produces EcoCompost.' At that time, she has no better
7 place to install it...they broke her room.
8 **AJG:** They broke the wall?
9 **045:** They broke the wall and installed here...
10 **AJG:** So it is attached to the home...
11 **045:** This is one of the first four toilet, the first one installed here.
12 **AJG:** The first one on Jelepara?
13 **045:** The first one, she told us.
14 **AJG:** Anything else?
15 **045:** They wanted to install ten toilets, but this area, there is no space, luxury space where they install
16 it.
17 **AJG:** Who wanted to install it?
18 **045:** SPACE. But there is some problem here. There is no space. No land is available here. So only
19 four, and this one is the first [of] four here.
20
21 **AJG:** This was installed in 2008. What has your experience using the toilet been like so far?
22 **045:** This is she said, one side the toilet, the other side the prayer place. Do you know, Mondit? They
23 are Hindu, religious Hindu. So you know, what is the position of the toilet? She told it is much
24 better than any other toilet. And it is hygienic also, she told.
25
26 **AJG:** Did you have any difficulty adjusting to using this toilet?
27 **045:** At the very first time, they faced some problems. The mistake sometimes in the defecation hole.
28 They put some water in the defecating hole. The practice well and they clean it always. That is
29 her remark.
30 **AJG:** What did you say to her?
31 **045:** Actually she say that she need another toilet. Because this house, 12 or more people. They are
32 seriously poor people here.
33
34 **AJG:** How long did it take before you became comfortable using the toilet?
35 **045:** She takes only one month.
36 **AJG:** Was that normal for most people in the house? They took about a month to become comfortable
37 using the toilet?
38 **045:** Yeah. More or less one month.
39
40 **AJG:** Now when you use the toilet, does it feel normal? Are you habituated to the use?
41 **045:** Now they have learned how to use it, and it is habituated by them.
42
43 **AJG:** Who is using the toilet?
44 **045:** 12 people. Her family members. All members use this toilet.
45 **AJG:** Any children?
46 **045:** There are five children here, in this family.
47 **AJG:** What are their ages?
48 **045:** This is four to 10 [years old].
49
50 **AJG:** Can you tell me about using the urine and the compost? The EcoFertilizer?

1 **045:** Actually they used their urine in these tree. The jackfruit trees, and... But they throw their
2 compost, because they have no land at all. So they throw the compost.
3 **AJG:** Where do they throw it?
4 **045:** They make a pit, and...
5 **AJG:** They did a hole and bury it?
6 **045:** Yeah.
7 **AJG:** Do you feel comfortable using the urine on your trees?
8 **045:** There is no problem to use urine. They have no disgusting feeling about it.
9
10 **AJG:** When you first heard of an EcoSan toilet, how did you feel about using urine and feces on your
11 plants?
12 **045:** At the very beginning they feel some disgusting feeling about it, because it is the first installation.
13 But now they are happy to use it on their fruit trees and vegetable gardens. [Pause as respondent
14 continues to speak.] They are happy to use it on their fruit trees and vegetable gardens. They
15 have no crop field. And there is no disgusting feeling about it now.
16
17 **AJG:** Do they use any of the feces compost in the fruit trees or vegetable garden?
18 **045:** Yes, they use the compost and urine.
19 **AJG:** They do use some of the compost. And what ever they don't use, they bury in a pit? Is that right?
20 **045:** Actually they have no crop field, but they have some coconut trees, some jackfruit trees. They use
21 it both, urine and compost.
22 **AJG:** And they have a vegetable garden?
23 **045:** There is no vegetable garden now, but when the water level is low, it is so high now. But
24 sometimes it is low, and some fields arise, and they cultivate some vegetable that place. And use
25 compost and urine.
26
27 **AJG:** What were...Are most people in Jelepara Hindu?
28 **045:** All of the people.
29 **AJG:** Everyone here is Hindu. What were the attitudes of your neighbors regarding the EcoSan
30 products?
31 **045:** At the very beginning, at the first time, some people told here, 'What do you do, with human feces
32 and urine?' But now, no. The compost produce more fruits, so now they want if they have
33 EcoToilet.
34 **AJG:** What was it that changed your attitude about using the EcoSan products?
35 **045:** They used their compost and urine to their mango trees and their coconut trees, and it produced
36 more fruits. It has changed her...behavioral changes [personal feelings] about EcoSan products?
37
38 **AJG:** Who made the decision regarding the installation of this toilet?
39 **045:** Actually, she and her husband. They both took the decision to install the toilet. The principle is
40 he.
41 **AJG:** Sorry.
42 **045:** She is the principle...
43 **AJG:** The primary...ok. What sort of things did you discuss with your husband when deciding to install
44 this toilet?
45 **045:** She told her husband, 'We need a toilet. We this type of toilet because it is hygienic, it is clean.
46 So we need this type of toilet.'
47
48 **AJG:** What was it that SPACE and YPSA told you that made you think it was acceptable to use the
49 urine and feces in the field?
50 **045:** Especially the SPACE and YPSA people oriented them about compost, about uses of urine, about
51 how to maintain it and how to use it. They had a training session. Sometimes they monitoring it.
52
53 **AJG:** Did you pay anything for this toilet?
54 **045:** Actually she has no [inaudible].
55 **AJG:** Sorry?

1 **045:** She has not actual...no exact figure about what it cost. And she did not share. The organization
2 installed it with their own cost.

3 **AJG:** After using this toilet for three years, would you be willing to pay some of your money for this?

4 **045:** She tell us that if there is a new EcoToilet...if they install a new EcoToilet, she actually just a little
5 bit share with the organization.

6 **AJG:** So, how much could she pay.

7 **045:** She can pay 2,000 taka.

8 **AJG:** That is good actually. That is a good amount.

9 **MK:** They are very poor people.

10

11 **AJG:** Are there any sort of religious barriers towards using the EcoCompost?

12 **045:** At the very first time, some people say, 'This is the place of prayer. One side of your house is the
13 prayer room. And the other side you install an EcoSan toilet. What is it?' The religious leader,
14 actually the guru, religious leader said, 'One side of your room the prayer place...the other side a
15 toilet. What is it?'

16 **AJG:** Does the guru still think this is a problem? Having one side of the room the prayer place and the
17 other side a toilet?

18 **045:** Yes.

19 **AJG:** The guru still thinks this is a problem?

20 **045:** Yes, problem. He say, 'This is a prayer place, and this is a toilet. A disgusting thing.'

21 **AJG:** So still today, he thinks [it is a problem]?

22 **045:** Now, there is no problem with them.

23 **AJG:** Why did the guru's...?

24 **MK:** Do you know about gurus?

25 **AJG:** Yes. Why did his opinion change?

26 **045:** She told them, 'I need a toilet, and there is no other place. I have very little land. What can I do?'
27 This is why they change their opinion now.

28

29 **AJG:** What are the opinions within the community about using the urine and the feces in your
30 vegetables and fruit trees?

31 **045:** There is no obstacle now. There is no barrier now. They use it easily.

32 **AJG:** Would another person from the community from Jelepara, eat the fruit from your tree, if it was
33 grown with urine?

34 **045:** Yes. All the people eat the fruit, eat the coconut.

35 **AJG:** No one has any problems with that?

36 **045:** No, no one has a problem here

37

38 **AJG:** Where did they use the bathroom before? Did they have a toilet here?

39 **045:** Ring-slab. Before this, they had a ring-slab toilet. One pit ring-slab toilet. And she told that,
40 usually it is broken.

41 **AJG:** It had problems?

42 **045:** usually it is broken.

43 **AJG:** How many rings?

44 **045:** Ten rings. Ten rings she use.

45 **AJG:** Very deep then.

46 **045:** Eight rings under ground, and over two.

47 **AJG:** Where was this toilet located?

48 **045:** Back side of this house.

49

50 **AJG:** What are the largest advantages of this toilet over the ring slab?

51 **045:** There are many advantages here, she told. It is hygienic and it is clean. It makes no bad smell.
52 And it produces some compost and urine, which is used in their fruit trees and vegetable garden,
53 what produce more vegetables.

54

55 **MK:** Oh. There is a school here. [Laughing] And school is going on. [Referring to the BRAC
56 operated school immediately adjacent to the interview location.]

1 **AJG:** Yeah, I hear it.
2
3 **AJG:** What do most people here, in Jelepapa, use as a toilet? Do most people have a toilet here?
4 **045:** There are four EcoToilets here. The rest of them are pit latrine, ring-slab latrine. Sometimes they
5 use open pit to defecate in.
6 **AJG:** Are there hanging toilets here?
7 **045:** There are many hanging toilet here.
8
9 **MK:** After every answer she says she wants a toilet. After every answer, she wants a toilet. 'We have
10 many people in our family.'
11 **045:**
12 **AJG:** If you built another toilet, where would you put it?
13 **045:** There is some place in the backside of her house. And she told me, 'I can install it in that place,
14 and please give me one,' she told it.
15
16 **AJG:** With so many people using the toilet in your house, how long does it take to fill up one feces
17 chamber?
18 **045:** She told it takes one year.
19 **AJG:** One year?
20 **MK:** I don't know how. [MK asks follow up question.]
21 **045:** Six month, seven month, eight month. Actually she is illiterate. She has no concept about days.
22 So actually she told us, 'Six month, seven month, eight month. Or one year.' [Pause as respondent
23 continues to speak,] And she also told, it takes five month.
24
25 **AJG:** How does your family get ash here?
26 **045:** She produce a large number of ash in her cooking stove. And she burn wood and dry leaves.
27 **AJG:** Is it ever difficult to get enough ash?
28 **045:** No, there is no problem about ash.
29 **AJG:** Where do you get the wood for your cook stove?
30 **045:** There are many woods in the jungle, and there are many plants in the river. They collect it and
31 dry, then burn it.
32 **AJG:** Bu they do not get the wood from the island?
33 **045:** They collect it from outside. And sometimes some woods are on the river. They collect it and dry
34 it, then burn it, for their cooking.
35 **AJG:** How much ash does the toilet need?
36 **045:** 500 grams per day. Per day.
37 **AJG:** For the whole family?
38 **045:** Yes, for the whole family.
39
40 **AJG:** So not so much. Is the ring slab still in place, or has it been removed?
41 **045:** She has the ring-slab toilet, and sometimes they use it. When one in this toilet, and another one
42 waiting, sometimes they use it.
43 **AJG:** Everyone in the family uses the [Eco]toilet as their primary toilet?
44 **045:** Yes, everyone use this toilet. If there is no problem.
45
46 **AJG:** Where do you get the water for this toilet?
47 **045:** This is the river, you know. There is no problem with water.
48 **AJG:** What about your drinking water?
49 **045:** There is a deep-set pump here. They collect from it for their drinking water. From their deep set
50 pump.
51 **MK:** Do you know deep tube well?
52 **AJG:** Yes. Is the deep tube well, does it belong to you or is it a community water point?
53 **045:** This belongs to all of the community here.
54
55 [Note: The above referenced tube well is privately owned by one family on the island. This
56 family charges water tariffs to the other villagers.]

1
2 **AJG:** What is your primary source of income?
3 **045:** Actually, they are very poor people that depends on just fishing in the river. Just fishing.
4 **AJG:** Who does the fishing?
5 **045:** Three of her sons, fishing. Three are fishing.
6 **AJG:** Is this a river or a lake?
7 **045:** River. Karnapsuli.
8 **AJG:** Oh, we saw it yesterday on the bus.
9 **045:** Earring. Karnapsuli is earring, one kind of ornament used by the women.
10 **AJG:** Yes, I remember.
11
12 **AJG:** Is there anything else you would like to tell me about the toilet?
13 **045:** You must give a toilet she say. There are many members of my family, so give me another toilet,
14 she say.
15
16 **AJG:** How many households are there in Jelepara?
17 **045:** Approximately 120 households here. And every households have approximately 10 people.
18 **AJG:** 20 households?
19 **MK:** 120 households. In this narrow place.
20
21 **AJG:** Do you think that every household would like to have an EcoToilet?
22 **045:** Every household want an EcoToilet, but somebody has no place to build it, no land.
23 **AJG:** Even if they build it attached to their home, like this one?
24 **045:** Yes, they want.
25 **AJG:** But, if the toilet is built attached to their house, could they build it?
26 **045:** Yes, they will agree. They need to take an EcoToilet.
27
28 **AJG:** Has your family experienced any incidence of diarrheal disease since 2008?
29 **045:** No. After installed the toilet, they have no sick...diarrheal diseases.
30 **AJG:** Did they have any incidence of diarrheal disease before?
31 **045:** Yes, sometimes they sick with diarrheal disease before this?
32 **AJG:** How often?
33 **045:** Two months, three months, four months, five months, or one years, she said. There were some
34 diarrheal disease with her family members before they install this toilet.
35 **AJG:** Has your family's hygiene behavior improved after installation this toilet?
36 **045:** They are wash with soap, and sometimes use soil.
37 **AJG:** Do they ever use ash?
38 **045:** Yeah, they use also ash. Sometimes they have no soap, so they wash with ash or soil. And they
39 use clean water. [Pause as respondent continues to speak] They wash with river water.
40 **AJG:** Have their hygiene habits improved since installing this toilet?
41 **045:** Yes, they improved their hygiene promotion.
42
43 **AJG:** Good. Just a few more questions. Then perhaps we can speak with someone else in the
44 household. Perhaps a male?

[46:14 : Begin collecting demographic information]

[48:10 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 032****Interview No.: 046****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	10:13	██████████	Jelepara Village Rangamati Upzilla Rangamati District Chittagong Division
Interview end:	10:46	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Purnima Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	22	No

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
6	6	12

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	12	5

NOTES:

Daughter-in-law of Respondent 045

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 046. What is your name?
2 **046:** [REDACTED]
3
4 **AJG:** My name is Tony. Thank you for speaking with me. Can you tell me about your experience using
5 this toilet?
6 **046:** Actually it is a good one, she says. It is clean and hygienic. And the duty of cleaning is...she is
7 the accountable person, she tell us.
8 **AJG:** How often do you clean the toilet?
9 **046:** After two or three days.
10 **AJG:** Do you just use water, or do you ever use some cleaning powder?
11 **046:** She clean it with one of her brush and water. Sometimes she use soap. If there is no soap, she use
12 ash to clean it.
13
14 **AJG:** How do you feel about having the toilet attached to your home?
15 **046:** She tells it is advantageous. It is close to our room and it is easy to use. It is close, attached to our
16 room and it is easy to use?
17 **AJG:** Do you feel enough privacy, attached to your room like this?
18 **046:** It is so secured like this. So secured, she said.
19
20 **AJG:** How long does it take to fill one of the chambers? How long do you use one of the chambers for?
21 **046:** She told us it takes 20 or 22 days. After that, they throw it outside, because they have no land to
22 use it. So why they reserve it? So 20 days or 30 days, they throw it outside of the chamber.
23 **AJG:** Ok. So they clean it every 20 to 30 days. They don't allow it to compost?
24 **046:** Yeah, she told me.
25 **AJG:** Even though you have no land, do you think that if you made compost it could have some value?
26 That is could be sold?
27 **046:** She...[Pause as respondent continues to speak.] She told us they only used urine. There is no
28 market here to sold it. She has no information about it, that it could be sold.
29 **AJG:** When you empty the toilet, where do you dispose of the feces?
30 **046:** She throw it to the river.
31 **AJG:** Who cleans the feces chamber?
32 **046:** She told me that we have no land, but why we would make it compost. Sometimes we throw it in
33 the river. Sometimes we make the hole in the soil, and [bury it].
34 **AJG:** What were you saying to her?
35 **046:** She is saying if it is sold I market, then we reserve it. The other thing is that we have no reserve
36 place. So where we reserve it? There is so little place here.
37
38 **AJG:** Who cleans the feces chamber?
39 **046:** She and her mother in law. Most of the time she clean it, and the rest of the time her mother in
40 law, [REDACTED]
41 **AJG:** What procedure do you follow when you clean the feces chamber?
42 **046:** They open the cover of the chamber, and throw to the river. And then they wash it, and again
43 establish it.
44 **AJG:** Do they use a spade to empty [the chamber]?
45 **046:** Yeah, they used a spade.
46 **MK:** [Receiving a glass of liquid from Gayonbala Das] This is called [inaudible], not water.
47 **AJG:** What is it?
48 **MK:** One kind of sweet water. Sweetened with sugar, or anything. It is a formality...for the guest.
49
50 **AJG:** How much do you think you may be able to sell some of this compost for? On the main land?

1 **046:** She has no information about the selling system or marketing system about the compost. She tell
2 us if there is any marketing system, then they will sell the compost?
3 **AJG:** Have you spoken to your family about trying to sell the compost?
4 **046:** She told her family members about selling it, but there is no market here. So they cannot make a
5 good decision about it.
6
7 **AJG:** How do you feel about using the urine on your fruit trees?
8 **046:** They use it easily. There is no disgusting feeling about use of urine here?
9 **AJG:** Who is responsible for using the urine on the trees here?
10 **046:** All the members of the family use it. Sometimes she, sometimes her mother in law, sometimes
11 her husband use it.
12 **AJG:** When you use it, what procedure do you follow?
13 **046:** They use it... She use it directly. She thought that it is the proper way, and it produce more fruits
14 if they use it directly. Sometimes they know about mixing water with it, but direct use is better
15 than mixing water with it.
16 **AJG:** You experienced that if you use it directly, you get more fruit from your trees?
17 **046:** Yes, she produce more fruits in their coconut trees.
18 **AJG:** Did you ever think it was disgusting to use the urine for your fruit trees?
19 **046:** She discussed with the community people. If we use urine in the fruit trees, in the vegetable
20 garden, it produces more fruit and vegetables. She always share, whether they has toilet or not.
21 **AJG:** In the very beginning, did you think it was disgusting to use urine?
22 **046:** Actually, no. She has never has any disgusting feeling.
23 **AJG:** No problems?
24 **046:** No. But some of the family members they have some disgusting feeling. But she had no problem
25 to use it.
26 **AJG:** What made you comfortable with it?
27 **046:** She told it, it is my urine. Then what is the problem?
28
29 **AJG:** What is the response in the community, in the village to you having this toilet?
30 **046:** She told us, there are only four toilets here. Many of them want toilets. If you look at your left
31 side, she want a toilet. Maybe she call you, give me a toilet. She is waiting to call you about a
32 toilet.
33 [Pause as respondent continues to speak.]
34 She tells the water level is high now, and there are many people now defecating on the water.
35 This is a serious problem, she tell us.
36 **AJG:** Why is this a problem?
37 **046:** The water level is high now, and there is some pit latrine. Sometimes they use hanging latrine.
38 Os it is a serious problem?
39 **AJG:** Why is it a problem that people are defecating in the water?
40 **046:** When the water level is low, they have new land. When the water level is low, they install many
41 latrine on that place. Now the water level is high, now what they do? What will they do about
42 defecating and urinating? So, they use hanging latrine.
43 **AJG:** Can you ask her why are hanging latrines so bad?
44 **046:** She tells it polluted the water. They use it...for their household works. Sometimes they drink it
45 when the deep-set pump...sometimes it is closed. That time they use for drinking water, collect
46 form the river. It is a problem. To pollute the water.
47
48 **AJG:** Does she think that having this toilet has increased her social standing in the village?
49 **046:** Yes. She is proud. She is proud of this toilet.
50 **AJG:** Do you ever feel stigmatized because of the use of the urine?
51 **046:** No, there is no problem.
52
53 **AJG:** Jus to tell you, I know that it is difficult to find a market, but sometimes people can earn 2,000 to
54 3,000 taka a year from selling the compost.
55 **046:** They have no crop field, and there is no market here. If there is a market, then they will sell it.

1 **AJG:** The first thing in creating a market is to have the compost. Before you have a market, you must
2 have compost.
3
4 **AJG:** Before this toilet was installed, did your family discuss it with you?
5 **046:** Yes, they discussed with her.
6 **AJG:** Did you think it was a good idea?
7 **046:** Yes, her opinion is it is a good installation.
8 **AJG:** What do you consider to be the best parts of this toilet?
9 **046:** It is neat and clean. And hygienic she say.
10
11 **AJG:** Are you married?
12 **046:** Yes...this is her mother in law [Respondent 045, Gayonbala Das].
13 **AJG:** Ok. So you are married to one of her sons?
14 **046:** Yes.
15 **AJG:** If you ever moved to another village, would you want this type of toilet?
16 **046:** Yes, she will get another EcoToilet in her new house.
17 **AJG:** Would you be willing to pay some of your money for this toilet?
18 **046:** Yes she will pay.
19 **AJG:** How much is this toilet worth to you? How much would you pay?
20 **046:** She tells I pay half of the total cost.
21 **AJG:** Would you be willing to pay more than half?
22 **046:** Yes, more than half.
23
24 **AJG:** Besides cleaning, have you had to perform any maintenance on this toilet?
25 **046:** No, there is no problem about maintenance and uses.
26 **AJG:** If there were a problem about maintenance, what would you do?
27 **046:** If there is any problem, she will discuss with her mother in law or husband or the SPACE people
28 who are monitoring it regularly.
29 **AJG:** What sort of problems do you think you could fix yourself?
30 **046:** They cannot do it themselves, because they are illiterate people. And if...sometimes what kind of
31 problem, they don't know. They don't know what kind of problem in here.
32
33 **AJG:** I have a few questions. If water entered the feces chamber, what would you do?
34 **046:** She told, I don't know what to do. She told I don't know.
35 **AJG:** What if some bad smells came from the toilet, what would you do?
36 **046:** No, there are no bad smells.
37 **AJG:** But if there were, what would you do?
38 **046:** I don't know. She told I don't know. Please tell me what to do.
39 **MK:** She ask me, 'Please tell me what to do. I don't know.'
40 **AJG:** Tell her that if there is ever a problem like this, put more ash. More ash is usually the answer.
41 Very easy.
42
43 **AJG:** Who is responsible for the basic operation of the toilet? For example, if there was water in the
44 feces chamber, who would solve that problem?
45 **046:** She tells, the responsibility is her mother in law, not her.
46
47 **AJG:** Is there anything else you would like to tell me about your toilet here?
48 **046:** There is nothing to say, but she wants more toilet in this village.
49 **AJG:** Would you like another toilet for your home, or is one toilet enough for your home?
50 **046:** She needs another one.
51
52 **AJG:** When you clean the chamber, and you dispose of the feces, do you take it out by boat, or throw it
53 in the water near here?
54 **046:** They use boat, and go to the other side...
55 **AJG:** Farther away from the village?
56 **046:** Yeah.

1
2 **AJG:** Ok, just a few more questions.

[31:22 : Begin collecting demographic information]

[32:24 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 033****Interview No.: 047****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:03	██████████	Jelepara Village
Interview end:	12:06	██████████	Rangamati Upzilla
		██████████	Rangamati District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Ronjit Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	34	No

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
34	34	12

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	12	5

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 047. What is your name?
2 **047:** [REDACTED]
3
4 **AJG:** Can you tell me about this toilet you have here?
5 **047:** At the very first, one SPACE worker, female worker, came here and oriented them about
6 EcoToilets. She wanted to install ten toilets here. Bu the very first time the people had no much
7 land. SO only four toilets installed here. This is the second toilet here...the first four, one of the
8 first four toilet.
9
10 **AJG:** What has your experience been using this toilet?
11 **047:** He told it is easy to use and it needs not much water, and only ash is used here. It makes no bad
12 smell and it is hygienic, he told us.
13 **AJG:** What sort of toilet was your family using before this toilet?
14 **047:** Ring-slab...ring-slab toilet. [Pause as respondent continues to speak.] Before this toilet, they had
15 a ring-slab toilet. And when the relatives come to visit their house, they also use it now.
16
17 **AJG:** The relatives still use the ring-slab?
18 **047:** Yes.
19 **AJG:** How many rings?
20 **047:** Ten tings...two feet...
21 **AJG:** Tow feet above?
22 **047:** Two feet...five and five.
23 **AJG:** Oh, so dual pit. Why do your relatives continue to use the ring-slab latrine?
24 **047:** Actually when the relatives come to visit, they don't know how to use it. Sometimes they oriented
25 them about the EcoToilet, but they cannot use it, and sometimes they make a mistake. They pour
26 water in defecating hole, and it made destroyed, form his point of view...it made destroyed. So
27 they send them to other toilet.
28 **AJG:** Would you allow the relatives to use the EcoToilet if they wanted to?
29 **047:** Yes.
30 **AJG:** Bu the relatives prefer to use the ring-slab?
31 **047:** Yes, they allow and they train them how to use it. They learn them how to use it.
32 **AJG:** But the relatives prefer to use the ring-slab?
33 **047:** Some relatives easily use the EcoToilet. [Pause as respondent continues to speak.] Some relatives
34 ask them, 'Who give you this toilet. This is another kind of toilet. Who give you it?' They
35 answer that SPACE or some foreign organization give them this toilet.
36
37 **AJG:** Who made the decision to install this toilet here?
38 **047:** His father, the owner of the toilet.
39 **AJG:** Did he discuss this with the family?
40 **047:** He discussed with whole family, all the member of their family.
41 **AJG:** What sort of things were discussed?
42 **047:** He told them some organization going to give a toilet, it produces compost and it has two
43 chambers...a feces chamber and a urinating chamber. And it makes no bad smell. They agreed
44 with him...they agreed with him to install the toilet.
45
46 **AJG:** What were the most important factors in deciding to install this toilet?
47 **047:** At the very first...[Pause as respondent continues to speak.] At the very first time, they hesitated,
48 but when they know about the EcoSan toilet, and oriented by the organization, they know about it.
49 He also say that he has child, and the pit latrine is far from his home. It may be unsecured. Now,
50 the child use this EcoToilet, and there is no problem. He also know how to use it and it is a secure
51 process, from his point of view.

1 **AJG:** So the security was important. Did you discuss the fact that this toilet is more hygienic than a pit
2 latrine? More sanitary?
3 **047:** Yes, the EcoToilet is much better...much more clean than that [ring-slab latrine].
4 **AJG:** Was that an important factor in deciding to install this toilet?
5 **047:** Yes.
6
7 **AJG:** Were there any other factors that were important?
8 **047:** They also considered about the Eco products, like compost and urine. They use it in their
9 vegetable garden. He is saying the water is so high now, but when it is low, the water level, they
10 cultivate a vegetable garden in that place. They used it [EcoSan products] in their vegetable
11 garden and produce more vegetables and fruits. It was also considered by them.
12 **AJG:** What is your attitude towards using these products? The fertilizer and compost?
13 **047:** Actually there was no disgusting feeling. The human feces, after six months it makes just
14 ash...just ash. One of the madam, he said, maybe it was a SPACE worker, she said, 'You have no
15 land to cultivate, then you collect it and we collect from you, the EcoSan product, and we sell it.'
16 Now his plan, he wants to use it in his fruit trees and vegetable garden.
17
18 **AJG:** Initially, did you have any opinions about using the EcoSan fertilizer?
19 **047:** At the very first time, they had some disgusting feeling, but when they used it, after one month, he
20 told, after one month the fruit trees grow well. And it has changed their mind, their opinion. Now
21 they use it easily. He also said there is some information gap, how to use it. There is some gap.
22 **AJG:** What does he mean by an information gap?
23 **047:** This means what sort of urine, what is the quantity of water mixed with the urine. This kind of
24 procedure. There is some information gap.
25
26 **AJG:** What was the financing mechanism for this toilet? Did your family contribute any money?
27 **047:** Actually they not pay any cost, but hey involved with the...when it was installed, their labor.
28 They collect bricks, they collect cement. They helps the mason when he installs it. Just labor,
29 there was no cost. [Pause as respondent continues to speak.] The recreate their mason and they
30 [inaudible]. The mason...who installed it...they gave him some food.
31
32 **AJG:** What was the total cost of this toilet?
33 **047:** Actually he don't know what is the total cost. [Pause as respondent continues to speak.] And he
34 say please give us another latrine.
35 **AJG:** Another latrine? Why do you need another latrine?
36 **047:** He told they have 12 member of their family. It is a big family, and they need another one.
37
38 **AJG:** Who is using the toilet? Are there any children?
39 **047:** Five children.
40 **AJG:** What are their ages?
41 **047:** It is four and a half years to ten years. [Pause as respondent continues to speak.] His elder brother
42 has three sons, and he has two sons. It is four and a half years to ten years, in this five childrens.
43
44 **AJG:** When was the toilet installed? What year?
45 **047:** He told maybe four years.
46 **MK:** He is illiterate person. He said it is maybe four years, really it is three years.
47
48 **AJG:** Do you feel comfortable using this toilet now?
49 **047:** Yes, he use it comfortably.
50 **AJG:** Are you well habituated? When you go in, do you think, 'Urinate in the front, defecate in the
51 middle, wash in the back'? Or does it feel natural now?
52 **047:** Yes, he is well-habituated...front side urinating, middle side defecating, backside defecating. It is
53 easy.
54
55 **AJG:** Do all of the members of the family us the toilet comfortably?
56 **047:** Everybody use it easily, he say. Habituated, like him.

1 **AJG:** What about the children? Does your four year old son use the toilet by himself?
2 **047:** Yes he also use it. [Pause as respondent continues to speak.] The children tells his father, ‘I want
3 to defecate.’ And they reached them here.
4 **AJG:** Sorry?
5 **047:** They say, ‘Go to the toilet, and use it.’
6 **AJG:** And he uses by himself?
7 **047:** Yeah. [Pause as respondent continues to speak.] Sometimes they help [the child], his mother or
8 he...his son.
9 **AJG:** After he uses the toilet by himself, do you make sure that he has used it correctly?
10 **047:** Yes, they check. Always they check. He and his family member always check.
11
12 **AJG:** Where do you use the urine fertilizer?
13 **047:** Actually they are poor people...actually they are poor people. They have no land to cultivate, they
14 have no crop field. Sometimes they use it on some fruit trees, but one of his experience: two times
15 in a week he used urine and it died.
16 **AJG:** He had an experience where he used urine twice in a week and the tree died?
17 **047:** Twice in a week, and the tree died.
18 **AJG:** Was it a large tree?
19 **047:** A plant...a small plant.
20 **AJG:** Why did the plant die?
21 **047:** He thought it was the high-level. Too much.
22 **AJG:** To many salts, probably.
23 **047:** No when use it once in a fortnight.
24 **AJG:** Did you apply the urine directly, or did you mix it with water?
25 **047:** he used a bucket of water, and one pot of water.
26 **AJG:** About one part to one part?
27 **047:** One is to ten.
28 **AJG:** one is to...
29 **047:** One is urine and ten is water.
30 **AJG:** Is this how he applied it when the tree died? Or is this the way he applies it now.
31 **047:** Yes. He used it one is to ten and the tree died.
32 **AJG:** Is this how you use it in the vegetable garden, when you have a garden?
33 **047:** Yes, he used it in the vegetable garden and it increased his production of vegetable.
34
35 **AJG:** Do you also use the feces compost?
36 **047:** He did not use it. He did not use it and it is reserved.
37 **AJG:** Reserved? What do you mean by that?
38 **047:** He did no throw outside.
39 **AJG:** Where is it now?
40 **047:** The feces, the human feces is there. In the chamber. He did not open it. [Pause as respondent
41 continues to speak.] He did not use it and he did not open it.
42 **AJG:** From 2008 until now, he has never opened the feces chamber?
43 **047:** At the very beginning, the first year, some of them didn’t use it. But now, everyone use it, but
44 they never open it.
45 **AJG:** Why haven’t you opened it?
46 **047:** They have no crop field. Where will they use it? Where will they use it? So the don’t open it.
47 **AJG:** Have you thought about selling this fertilizer?
48 **047:** Yes, but there is no market.
49 **AJG:** Do you know farmers on the main land anywhere?
50 **047:** There is no famer here. All the people are fishermen.
51 **AJG:** What about people who own banana trees?
52 **047:** There is no banana tree, but he has some plan to collect some banana tree and bring them here.
53 And use the compost.
54
55 **AJG:** How long did it take to fill one chamber?
56 **047:** Two years, he told.

1 **AJG:** Two years? The chamber became full tow years ago?
2 **047:** No...no.
3 **AJG:** The chamber took two years to fill?
4 **047:** Yes.
5 **AJG:** With 12 people using it the whole time?
6 **047:** First one year, not all of the people used it. Then used it and it takes two years to fill one chamber.
7
8 **AJG:** Why, in the first year, were some people not using the toilet?
9 **047:** They don't know the rule about using.
10 **AJG:** How many people were not using it in the first year?
11 **047:** The very first year, it used only three or four person.
12 **AJG:** And after that first year, everyone began using it.
13 **047:** Now everybody of this family use it. First year, some people don't know how to use it. They
14 have some fear...the defecating hole, there is no water. It is a problem to them. It was a problem
15 to them.
16 **AJG:** Water entering the defecating hole?
17 **047:** No, no. Wash in backside, defecate in middle, that was a problem. But now, it is ok.
18
19 **AJG:** Oh, jus the behavioral problems, I see. And now does everyone in the family, all 12 people, use
20 this toilet every time?
21 **047:** Yes, every time.
22 **AJG:** How long has the second chamber been used?
23 **047:** They used it...[Pause as respondent continues to speak.] They used it two years. You know, they
24 are fisherman, and most of the time they spend their time in the river. Sometimes they visit their
25 home, but most of the time in the river for fishing. This is their profession.
26 **AJG:** So if you are out on the river, they urinate and defecate on the river?
27 **047:** Yes.
28 **AJG:** Do you come home from the river every night?
29 **047:** No they didn't come home every day. Because of fishing, they sometimes go out of their house
30 for three or four days.
31 **AJG:** How many nights a week are you here?
32 **047:** Two or three days.
33 **AJG:** How many men in the family are fishermen like you?
34 **047:** Five people, naturally go outside for fishing. They have a fishing business, and he did not come
35 home the last two days. He came here to collect people and go there for fishing.
36
37 **AJG:** How full is the second chamber now?
38 **047:** It is about full.
39 **AJG:** When it is full, and can no longer be used, what will you do?
40 **047:** He don't know what will happen in future.
41
42 **AJG:** Are you Hindu?
43 **047:** Yes, he is Hindu.
44 **AJG:** Is everyone on this island Hindu?
45 **047:** Yes.
46 **AJG:** Have you ever received negative reactions from anyone in the community regarding the reuse of
47 the EcoSan products?
48 **047:** Somebody said, 'Why you use human feces to your vegetable garden and fruit trees?' He said that
49 it increased our fruit and vegetable production, so I used it.
50 **AJG:** What do you think now? Do some people still have negative opinions of these products?
51 **047:** After use it, the production level is so high and everyone see that. Now there is no more barrier
52 from the community.
53 **AJG:** What about from the local guru? Did you hear anything negative from him?
54 **047:** They also use EcoSan toilet.
55 **AJG:** The guru?

1 **047:** The guru also use EcoSan toilet. [Pause as respondent continues to speak.] The guru use toilet
2 every time they take a bath. It is their religious leader, he say.
3 **AJG:** Every time they take a bath?
4 **MK:** Yes, this is the system of guru. The religious leader system.
5 **AJG:** So the bathe every time after they used the toilet?
6 **MK:** Yeah. It is the rule for the religious leaders, not the people.
7
8 **AJG:** Do you think that this toilet has increased your social standing in the village?
9 **047:** Yes, he feels proud of this toilet.
10
11 **AJG:** Do you discuss the toilet with your neighbors?
12 **047:** Actually he discussed with his neighbors, and they questioned...they asked him, 'Why you use
13 ash.' Then he say, 'I use ash and it makes fertilizers.' And some people are there who wan
14 EcoToilet. They want toilet, who has not toilet. He said.
15
16 **AJG:** What are the barriers to increasing the number of EcoToilets in Jelepara?
17 **047:** The people of this place have no land...some people have no land. The main problem is a land
18 problem; there is no space to build a toilet. This is the main problem. Another problem is the
19 cost.
20 **AJG:** With regards to cost...you mentioned you would like another EcoToilet, yes?
21 **047:** He want to install another toilet, but he don't agree to pay some cost. He want to give labor and
22 help the mason, but he don't want to pay the cost.
23 **AJG:** Would you be willing to pay any money for the toilet?
24 **047:** He told he is a poor man, but just a little bit he will pay.
25 **AJG:** How much would you be willing to pay?
26 **047:** About 1,000 [BDT].
27
28 **AJG:** If you move from Jelepara to another village, would you want to install another EcoSan toilet in
29 your home?
30 **047:** Yes, he will install another EcoToilet in his new house. [Pause as respondent continues to speak.]
31 He will contact with mason and the organization that provide it, and he will make an EcoToilet in
32 his new place.
33 **AJG:** If water were to enter the feces chamber, how would you solve this problem?
34 **047:** He would use more ash. More ash.
35 **AJG:** What if the were some bad smells coming from the toilet?
36 **047:** He says to use hot ash. Hot ash from the cooking stoves. Then the smell go out.
37 **AJG:** Who taught you these procedures?
38 **047:** SPACE worker, Mr. Dhanadip Chakma, trained them.
39
40 **AJG:** Have you had any problem with the toilet so far?
41 **047:** There is no problems to use it. Use and maintenance, no problem.
42 **AJG:** You haven't had to do any repairs to the toilet?
43 **047:** He didn't...repair it. But he told that the feces chamber, on the backside, there is some...the joint
44 that is made by the cement. He himself repair it.
45
46 **AJG:** And what about ash? Do you ever have problems getting enough ash for the toilet?
47 **047:** There is no problem about ash. Usually the produce in their cooking stoves.
48 **AJG:** Where do you get the wood for the cook stove?
49 **047:** They burn in their cook stove wood.
50 **AJG:** Where do they get the wood?
51 **047:** There are many wood sin the river, for the hills. In the rainy season, it is available on the river.
52
53 **AJG:** How long has your family lived on Jelepara?
54 **047:** Thirty years...[Pause as respondent continues to speak.] More than fifty years.
55 **AJG:** How long has this village been here?
56 **047:** His family lived here 60 years. More than 60 years.

1 **AJG:** How long has this village been on this island?
2 **047:** 60 years. More than 60 years. After this...[Pause as respondent continues to speak.] Before sixty
3 years, they have made a big electricity center that have produced a lot of electricity. They made a
4 dam, and the water level is so high, many places destroyed with the water. At that time they came
5 here and lived here. This happened before 60 years.
6 **AJG:** Does the dam still exist?
7 **047:** I don't know the system, but they made a big dam and many places flushed...
8
9 **AJG:** I understand, but does the dam still exist?
10 **047:** Yeah, yeah.
11
12 **AJG:** Is there a lot of erosion on the island? Is the island shrinking because of the erosion? Losing land
13 to the river?
14 **047:** When the dam was established there places flushed and drowned into the river. At that time, their
15 father and their grandfather come to here and lived from then.
16 **AJG:** Today, do houses sometimes fall into the river? Is there a loss of land to the river today?
17 **047:** Yes, it is going on. This [river] was far from this house, but now it is in the near of their house.
18 Maybe this house also be destroyed by the water.
19 **AJG:** So there is about two meters between the rivers bank and the house, and the house is elevated
20 maybe three meters off the river, which is at a high stage. How much land has been lost in the last
21 ten years?
22 **047:** They have let...[Pause as respondent continues to speak.] They...all the places are decreased.
23 They have applied to the authority to save them, and make proper decision to save them. Bu there
24 is no decision.
25 **AJG:** What is the name of the dam?
26 **047:** Kaptai.
27 **MK:** Kaptai. K-A-P-T-A-I. It is a huge dam to produce electricity. Hydro-electric project.
28
29 **AJG:** Is there anything else you would like to tell me about your toilet?
30 **047:** There is nothing to ay, but he wants more toilet here.
31 **AJG:** Another toilet in the home?
32 **047:** Another toilet here and in the village.
33
34 **AJG:** When you are home, do you use the toilet each time you have to urinate?
35 **047:** He use it every time.
36 **AJG:** He never urinates out anywhere else?
37 **047:** No, he never use any place to urinate. [Pause as respondent continues to speak.] There is a toilet
38 here, why would he use open place.
39 **AJG:** Ok. Thank you very much for speaking with me. Just a few more questions.

[1:01:11 : Begin collecting demographic information]

[1:02:01 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 034****Interview No.: 048****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	12:34	██████████	Jelepara Village Rangamati Upzilla Rangamati District Chittagong Division
Interview end:	13:29	██████████	
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Pulin Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	57	Yes

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
57	45	2

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	2	0

NOTES:

Husband of Respondent 049

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 048. What is your name?
2 **048:** [REDACTED]
3
4 **AJG:** My name is Tony. Can you tell me about your toilet here?
5 **048:** He said that it is clean and hygienic and it is easy to use this toilet. [Pause as respondent continues
6 to speak.] At the very first time, foreign delegation...foreign people came to them, and they said,
7 'We provide you an EcoToilet.' He agree with them and install the toilet. And they also said, the
8 foreign delegation and the SPACE people, 'We are monitoring how you will use this toilet,
9 maintain this toilet. We will monitor it.' He told.
10 **AJG:** Has there been this monitoring?
11 **048:** Yes. They have.
12 **AJG:** How often has someone visited this toilet?
13 **048:** They...come tow or three months.
14 **AJG:** Every two or three months?
15 **048:** Every two or three months.
16
17 **AJG:** Who was responsible for the decision to install this toilet?
18 **048:** His wife made the decision, and discussed with him. His wife made the decision.
19 **AJG:** What sort of things did your wife ay to you? Why did your wife want this toilet?
20 **048:** His wife told him, it is a good toilet and it has many advantages. And if it is making problem, the
21 foreign people and organization repair it. His wife told.
22
23 **AJG:** What advantages did your wife say there were to this toilet?
24 **048:** His wife say that, at first, security aspect. It is very close to his home. And it [can be] used at day,
25 at night. There is no problem. And it makes no bad smell. This is told him, by his wife.
26 **AJG:** Have you found this to be true?
27 **048:** He tells that the river grabs the land [river erosion]. Maybe it will go to the river. It will be better
28 to have another toile installed on the other side of his house.
29 **AJG:** Have you found these things to be true? About the toilet?
30 **048:** Yes it is true. Hygienic and clean, he say.
31 **AJG:** Were there any other factors that influenced the installation of this toilet?
32 **048:** No. There is none.
33
34 **AJG:** Was the toilet's production of fertilizer important to your family?
35 **048:** Actually they have no land to cultivate. And there is no more information about the compost, he
36 say. The organization people doesn't say anything about the compost and the fertilizer, he say.
37 **AJG:** Do you have any fruit trees or a vegetable garden?
38 **048:** He has more land when the water level is low. There is more land here. Two acres of some field
39 he use to cultivate vegetable.
40 **AJG:** So there is a lot of land when the water is low?
41 **048:** Yes, but now there is no vegetable garden or fruit trees also.
42
43 **AJG:** Do you use the urine when the water is low?
44 **048:** He didn't use yet.
45 **AJG:** He has never used it?
46 **048:** Yeah.
47 **AJG:** What do you do with the urine?
48 **048:** He never use it, but he has a plan to use it to his vegetable garden. If the water level is low, maybe
49 there is some land to cultivate vegetables. At that time he will use it in that vegetable garden.
50 **AJG:** Have you ever grown vegetables before?
51 **048:** Yes. He did it.

1 **AJG:** Do you grow vegetables every year?
2 **048:** Yes. He cultivate and sometimes he buy some chemical fertilizer from market.
3
4 **AJG:** Why don't you use the urine on your vegetables?
5 **048:** He told us that he has no more information about it. He will use it in future. [Pause as respondent
6 continues to speak.]
7 **MK:** He want to know from me how they use it.
8 **AJG:** What have you told him?
9 **MK:** Actually he don't know how to use urine and the human feces...the EcoSan products. He want to
10 know, 'How I can use it.' Then I say to him, this is the process. I think he has no more
11 information about EcoToilet's products
12
13 **AJG:** Has he ever discussed with his neighbors about how to use the urine?
14 **048:** He said they also have no clear concept about how to use the urine and the EcoToilet's product
15 like compost.
16 **AJG:** Do you maintain a relationship wit the other households on the island that have EcoToilets?
17 **048:** Yes...he has the relation. But he say, 'We have no land to cultivate. So we don't know how to
18 use it.' They have no crop field.
19
20 **AJG:** Do you think it is appropriate to us the EcoSan products, or does he find it disgusting?
21 **048:** He tells I have to know how to use it. What is the quantity, how to make the product. I don't
22 [know] actually. [Pause as respondent continues to speak.] He told that they have no training
23 about it.
24 **AJG:** Does he find it disgusting, or think it is ok?
25 **048:** He told I need some fertilizer, and there is no question about disgusting feelings. But I don't
26 know the procedure to use it.
27 **AJG:** How long did it take to make the decision to install the toilet?
28 **048:** Basically this decision is his wife's decision.
29 **AJG:** How long did it take to make?
30 **048:** Five or six months.
31 **AJG:** Why did it take so long to make the decision?
32 **048:** It is the organizations delay. Five months.
33 **MK:** And you know, this is the hilly area, and he water area. The equipment of this area, carry them is
34 so hard.
35 **AJG:** To get the construction materials here?
36 **048:** Yeah. So hard.
37
38 **AJG:** Where do you dispose of the urine?
39 **048:** They throw it to the river.
40 **AJG:** How often does the container become full?
41 **048:** 20 to 25 days.
42 **AJG:** What did he say before this?
43 **048:** He said that if we collect it and reserve it, then we could use it in our vegetable garden. But there
44 is no place here to reserve it, so they thro wit into the river.
45
46 **AJG:** How do you feel about having a toilet in your home?
47 **048:** He feels proud. And it is secured.
48 **AJG:** Are you Hindu?
49 **048:** Yes.
50 **AJG:** Where is your prayer area?
51 **048:** The prayer place is in another house.
52
53 **AJG:** Did anyone express any negative attitudes about you having a toilet directly attached to your
54 home?
55 **048:** We regularly clean it, and it makes no bad smell. Then why the neighbor complain to us...nobody
56 complain to us. We regularly clean it.

1
2 **AJG:** Do you think having this toilet in your home has raised your social status in the village?
3 **048:** Yes. It increase his social status. [Pause as respondent continues to speak.] Sometimes people
4 came and visited, and sometimes they say, 'Is it a *mondit*?' *Mondit* mean sprayer place.
5
6 **AJG:** I see. How many times has the feces chamber become full?
7 **048:** It is never full yet, because only two use it.
8 **AJG:** Only two are using the toilet?
9 **048:** Yes, only two.
10 **AJG:** Who is using the toilet?
11 **048:** Only he and his wife use it.
12 **AJG:** How many people live in this house?
13 **048:** Four.
14 **AJG:** Who are the other two who live here?
15 **048:** This is his son...two son.
16 **AJG:** Why don't your sons use this toilet?
17 **048:** They lives in another house...another home. Only they two live here, and they use it. [Pause as
18 respondent continues to speak. When they [respondent's sons] come here, they use it. But
19 regularly, only two people use it.
20 **AJG:** Do they live in Jelepara?
21 **048:** Yes, they live in Jelepara, but another house.
22 **AJG:** So they have only used one feces chamber since 2008?
23 **048:** No, not yet.
24 **AJG:** Only one chamber?
25 **048:** No, not yet.
26 **AJG:** But only one chamber has been used, yes? They have not used the second chamber.
27 **048:** Only one chamber they used.
28 **AJG:** How full is this chamber?
29 **048:** On chamber is about full.
30 **AJG:** Have you ever emptied or clean the chamber?
31 **048:** Never. It is never full, and they never open it.
32 **AJG:** They have never opened it at all. Interesting. Have you ever had any problems with bad smells or
33 insects in the toilet?
34
35 [Phone rings. Interview paused as MK takes phone call.]
36
37 **AJG:** Have you had any problem with bad smells or insects coming from the toilet?
38 **048:** There is no bad smell here. Sometimes some insect, some small insect in the defecating hole.
39 Sometimes they observe some insect in the defecating hole.
40 **AJG:** What kind of insect?
41 **048:** One kind of insect called *telapokao*, but I don't know what...
42 **AJG:** About this big? Brown? Many legs?
43 **048:** yeah.
44 **AJG:** Cockroach maybe?
45 **MK:** Cockroach! Yeah!
46 **AJG:** What do you do if you see cockroaches in the feces chamber?
47 **048:** Cockroaches is here now?
48 **AJG:** Still?
49 **048:** Yeah.
50 **AJG:** Do they consider this a problem?
51 **048:** It is not a big problem for them. Not a big problem, but a problem.
52
53 **AJG:** Where do you get your ash for the toilet?
54 **048:** They get it from there cooking stoves. They burned it woods and bamboo and produce a lot of ash.
55 There is no problem in ash...getting ash.
56

1 **AJG:** Do you ever have guests come visit your home?
2 **048:** Yes.
3 **AJG:** Do the guests use this toilet?
4 **048:** Yes, they use.
5 **AJG:** Do you provide them training how to use this toilet?
6 **048:** Yes, they oriented them. This is the urinating place, this is the defecating place, and use of ash.
7 Washing place is back-side. [Pause as respondent continues to speak.] And they told them, if you
8 don't use ash, it make bad smell.
9 **AJG:** Do you think that the guests use it correctly after you train them?
10 **048:** Yes. [Pause as respondent continues to speak.] They use it easily after one or two days. After one
11 or two days, they use it easily.
12 **AJG:** Do you check to make sure they have used it correctly?
13 **048:** Yes, they have checked.
14
15 **AJG:** How was this toilet paid for? What was the financing model?
16 **048:** Foreign organization. He doesn't know the name.
17 **AJG:** Ok. Do you know the cost?
18 **048:** He don't know.
19 **AJG:** Did you pay any money for this toilet?
20 **048:** No, he didn't
21 **AJG:** Did you provide any construction materials, or help with the construction at all?
22 **048:** No, he didn't help.
23
24 **AJG:** When the guests come, what do they say about the toilet? Do they think it is a good toilet?
25 **048:** Yes, they say it is a good toilet?
26 **AJG:** Do they ever have problems moving from on chamber o the next chamber?
27 **048:** They oriented them, and after one or two days, they have no problem to use it.
28
29 **AJG:** How long did it take you to become habituated to this toilet?
30 **048:** Two or three days, they become habituated, he has told.
31 **AJG:** Now when you use the toilet, do you have to think, 'The front is for urine, middle is defecation,
32 and back is for anal wash...'? Or does it feel natural to you?
33 **048:** No, they have no problem to use it now.
34 **AJG:** Totally habituated?
35 **048:** Totally habituated. [Pause as respondent continues to speak.] When the relatives come, they face
36 some problem. After two or three days, they also become habituated.
37
38 **AJG:** What sort of toilet did you have here before this one?
39 **048:** Ring-slab. [Pause as respondent continues to speak.] Before this, he had a ring-slab toilet. He
40 also say when the ring-slab toilet is full with the human feces, at night, they would open the slab
41 and throw the human feces in the river.
42 **AJG:** Was it a twin pit?
43 **048:** Only single pit.
44 **AJG:** How many rings.
45 **048:** Eleven rings. He use eleven rings. Eight rings under ground, three rings above.
46
47 **AJG:** Have you had any maintenance problems, any large maintenance problems wit this toilet?
48 **048:** No, there is no problem with maintenance.
49 **AJG:** Did the ring-slab latrine have any advantages over this toilet?
50 **048:** This toilet has more advantages. It produce urine and compost. But I don't know how it will be
51 used. I have to learn how to use it in crop field, in vegetable field, in fruit trees. It is much better
52 than ring-slab toilet, he told.
53
54 **AJG:** If there started to be a bad smell from this toilet what, would you do?
55 **048:** If there will be a bad smell here...it make a bad smell here, then open the chamber and throw the
56 feces into the river. This is his...

1 **AJG:** He would empty the feces chamber. What if some water entered the feces chamber?
2 **048:** There is no chance to enter the water in the hole he said.
3 **AJG:** What if a guest used the toilet incorrectly, and water did enter?
4 **048:** It will be checked by himself. Is there any water? If...[Pause as respondent continues to speak.] I
5 don't know.
6 **MK:** I tell him what is the real condition.
7 **AJG:** What did you tell him?
8 **MK:** I tell him what is the real condition [solution]. He doesn't know, if there were water in the feces
9 chamber, he doesn't know what is to be done. I told him.
10
11 **AJG:** What would you do if there were a lot of flies or insects in the toilet? What would you do?
12 **048:** This kind of problem didn't happen here.
13
14 **AJG:** After using this toilet for three years, would you be willing to pay some of your money for a toilet
15 like this?
16 **048:** The problem is space, not money. If there were space to install another toilet, he want to pay the
17 cost. There is no problem there. The space is a factor.
18
19 **AJG:** Do you think this toilet is a good sanitation solution for your village? Do you think it is a good
20 technology?
21 **048:** Yes, this kind of toilet is good for this place.
22 **AJG:** Why?
23 **048:** It is good because it produce urine and compost. Though I don't know how it will be used in the
24 crop field or vegetable garden. But it produced some fertilizers and some compost. It is because
25 of that it is good.
26
27 **AJG:** Just a few more questions, then hopefully we can speak with your wife as well. How old are you?
28 **048:** 57 years.
29
30 **AJG:** What is your primary source of income for this house?
31 **048:** He has a fishing boat and fishing net.
32 **AJG:** Do you fish with your sons?
33 **048:** Yeah. Fishing with his son, and he has some other people.
34 **AJG:** Do you come home each night from fishing?
35 **048:** No. How many nights per week does he come home here?
36 **AJG:** Two or three days in a week.

[51:11 : Begin collecting demographic information]

[52:58 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 034****Interview No.: 049****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	13:35	██████████	Jelepara Village
Interview end:	14:11	██████████	Rangamati Upzilla
		██████████	Rangamati District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Pankha Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	50	Female Head

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
38	38	2

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	2	0

NOTES:

Wife of Respondent 048

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 049. What is your name?
2 **049:** [REDACTED]
3 **AJG:** Thank you very much for speaking with me today.
4 **049:** Thank you.
5
6 **AJG:** Your husband tells me you were very important in making the decision to build this toilet. Why is
7 it that you wanted this toilet?
8 **049:** The very first time, her concept was, 'It may be a good kind of toilet. It may be hygienic and
9 clean,' she said.
10 **AJG:** Have you found this to be true? Does the toilet perform in accordance with your expectations?
11 **049:** Yes. It is true.
12
13 **AJG:** What do you like most about using this toilet? What do you like best about this toilet?
14 **049:** The most important thing is, it produce urine and compost. That is the most important thing.
15 [Pause as respondent continues to speak.] And it is clean and hygienic, she said.
16 **AJG:** But you don't use the urine or the compost, correct?
17 **049:** We have no land to use...we have no crop field. Then why we use?
18 **AJG:** Then why is it important that the toilet produces urine and compost?
19 **049:** When the water level is low, at that time we cultivate some vegetable. We will use it in that
20 vegetable garden.
21 **AJG:** Have you ever used the urine before on your vegetable garden?
22 **049:** Yes, I have used it [on] pumpkin plant...pumpkin when the water level is low. I cultivate some
23 vegetable, like pumpkin. And I used it in that places.
24 **AJG:** Who used the urine? Did you use it or your husband?
25 **049:** She herself used. She used.
26 **AJG:** Did you have any problems handling the urine?
27 **049:** No. No disgusting feelings. [Pause as respondent continues to speak.] And when the human feces
28 is filled, the defecating hole, she use a bamboo to move it...
29 **AJG:** To move it away from the feces chamber port?
30 **049:** Yeah.
31
32 **AJG:** Can the urine make you sick or ill if it comes in contact with your hands?
33 **049:** No.
34 **AJG:** What about the feces?
35 **049:** No. [Pause as respondent continues to speak.] In rainy season, it makes a little bit of a bad smell,
36 she told.
37 **AJG:** If she touches the feces before it has become compost, could it make her sick?
38 **049:** No. After it dried and it made compost, before...
39 **AJG:** Before it can you make you sick? But not after?
40 **049:** Yeah.
41 **AJG:** But urine can never make you sick? This is your understanding?
42 **049:** Yeah.
43
44 **AJG:** Does anyone in the community ever express a negative attitude with regards to the use of urine or
45 compost on the vegetables?
46 **049:** Yes. Sometimes the other peoples express some bad expression about it.
47 **AJG:** What do they say?
48 **049:** 'It is urine, it is human feces. You handle it. What is it? It is a disgusting thing,' they say. She
49 say that, 'It is ours. It is ours. It is my urine, it is our urine. What is the problem?'
50
51 **AJG:** How long will it take until the feces become fully composted?

1 **049:** She told me only one month.
2 **AJG:** Will you ask SPACE, or someone who has helped build this toilet for more information as to
3 when the compost is ready?
4 **049:** She told that the SPACE people and the organization people told about urine, not about the feces
5 compost.
6
7 **AJG:** Did you ever have any feelings that it was disgusting to use these products in the field? Before the
8 toilet was installed?
9 **049:** No.
10 **AJG:** She never felt that way? Ok. Interesting
11 **MK:** It is also interesting for me.
12
13 **AJG:** Are there any religious barriers to using a toilet like this? Or having a toilet like this attached to
14 your home?
15 **049:** No. There is no religious barrier. But one thing, she said that urine has...container has a chamber,
16 but the wash water goes outside. Some neighbors complain about it.
17 **AJG:** Why do they complain about it?
18 **049:** It makes bad smell.
19 **AJG:** Does the water ever overflow the walls of the evaporation bed?
20 **049:** Sometimes it...it sometimes overflow. [Pause as respondent continues to speak.] Sometimes
21 children handle it or are playing on the evaporation bed. That is the problem.
22 **AJG:** Who put the soil into the evaporation bed? Was that you or SPACE?
23
24 **AJG:** Who is responsible for cleaning the toilet?
25 **049:** She herself have the accountability of cleaning the toilet.
26 **AJG:** Do you ever use any cleaning products or just water?
27 **049:** Powder...the Wheel powder. It is one kind of soap. [Pause as respondent continues to speak.]
28 Sometimes she also use [inaudible], an antiseptic liquid.
29 **AJG:** I know the Wheel powder. How often do you clean the toilet?
30 **049:** Every ten to fifteen days. [Pause as respondent continues to speak.] She spend at night here.
31 **AJG:** She sleeps here at night?
32 **049:** Yes, so she clean it regularly.
33 **AJG:** So she sleeps in front of the toilet here, just a few feet in front.
34
35 **AJG:** Has there been incidence of diarrheal illness since this toilet has been built?
36 **049:** No.
37 **AJG:** Was there incidence of diarrheal illness before?
38 **049:** Yes.
39 **AJG:** How often?
40 **049:** Before they install it, sometimes they sick with diarrheal disease. She also say this is not the main
41 cause. The main cause is when we drink the river water.
42 **AJG:** So the river water is the main cause of illness.
43 **MK:** In her point of view.
44 **AJG:** Have their hygiene habits changed at all since the installation of the toilet?
45 **049:** The result is the same, after and before, she told.
46
47 **AJG:** And your sons also live in this village, correct?
48 **049:** Yes.
49 **AJG:** What sort of toilet do they use?
50 **049:** Ring-slab. They use ring-slab toilet.
51 **AJG:** Are your sons interested in installing an EcoToilet?
52 **049:** Yes.
53 **AJG:** They would like to?
54 **049:** They are interested.
55 **AJG:** Would they be willing to pay some of their own money to install a toilet?
56 **049:** Yes.

1 **AJG:** Do they have enough land to install [an EcoToilet]?
2 **049:** Yes, they have land, but it is apart, and a deeper place.
3 **AJG:** Oh, it is not flat land...
4 **049:** Not a plain.
5
6 **AJG:** Do you feel better privacy and security using this toilet now?
7 **049:** Yes, it is so secured. And especially at night, it is very good to use.
8 **AJG:** Were you able to use [the respondent's former] ring-slab latrine at night?
9 **049:** No, there was no problem.
10 **AJG:** She was able or was not able to use the ring-slab at night?
11 **049:** She said it is also easy, and there is no problem to use the ring-slab.
12 **AJG:** At nighttime?
13 **049:** Yes, at night, there is no problem she said.
14
15 **AJG:** Do you have electricity in this house?
16 **049:** Yes.
17 **AJG:** Have you considered putting an electric light in the toilet?
18 **049:** There is no light.
19 **AJG:** Have you considered installing a light?
20 **049:** Yes, she wants to.
21 **AJG:** Why hasn't she done this yet?
22 **049:** There is a light here [in the adjacent room], it makes some light into the [toilet].
23 **AJG:** It provides a little bit of light. So the light in this room provides a little bit of light to the toilet
24 over the crack between the super structure and the roof.
25
26 **AJG:** When you use the urine, do you mix the urine with water, or do you apply it directly to the field?
27 **049:** She mixes one is to five. One is urine and five part water.
28 **AJG:** Did you notice a difference in the pumpkin crop when you used the urine?
29 **049:** Yes, it produce big pumpkin.
30
31 **AJG:** Do you think that this toilet is...good for women's hygiene issues? [To MK] If you are not
32 comfortable using the word menstruation, you can just refer to it as women's hygiene.
33 **049:** No, there is no problem. She use this toilet during that time.
34 **AJG:** Is it better than the ring-slab toilet in this regard?
35 **049:** This is better than the ring-slab toilet.
36 **AJG:** Why is this better?
37 **049:** She told the urination hole and defecation hole, and wash, is different places. It is easy to wash.
38 Ring-slab toilet...urine and defecating and washing in one hole. That is a problem. But here it is
39 in different places, so it is easier than that. Easier than ring-slab toilet.
40 **AJG:** The separation of the holes. Why does that make it easier?
41 **049:** She told that the wash place is a different place. It is the cause. The ring-slab toilet, only one
42 hole.
43 **AJG:** During that time, does the way you use the toilet change?
44 **049:** This toilet is easy for her at the time of menstruation.
45 **AJG:** Does she urinate into the anal wash pan [during menstruation]?
46 **049:** She use before and after menstruation the same way.
47 **AJG:** So she always urinates in the front?
48 **049:** Yeah. And always wash in the backside.
49
50 **AJG:** Good. Is there anything else you would like to tell me about this toilet?
51 **049:** There is nothing to say, but she want another toilet. Please give her.
52 **AJG:** Why does she want another toilet?
53 **049:** For her son.
54
55 **AJG:** Ok, thank you very much for speaking with me today.

[31:16 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 035****Interview No.: 050****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	14:26	██████████	Jelepara Village
Interview end:	15:22	██████████	Rangamati Upzilla
		██████████	Rangamati District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Babul Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	65	Yes

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
55	55	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	2

NOTES:

Husband of Respondent 051

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 050. What is your name?
2 **050:** [REDACTED]
3 **AJG:** My name is Tony. Very nice to meet you.
4 **050:** He told that they are Hindu. Religious belief.
5
6 **AJG:** Can you tell me about your toilet?
7 **050:** At first he said that the organization people come here and they told him, 'Set [install the toilet]
8 here, the toilet.' But there is some problem now. He wants to [move the toilet to] backside of his
9 home. Because there is some water fall here and the neighbor complain about it.
10 **AJG:** Where is the water coming from? Is it the water from the anal wash pan?
11 **050:** It is urination. Urinating container. Water is from urinating hole.
12 **AJG:** So the urine has leaked from the discharge hose and the neighbors complain?
13 **050:** He said that...the water from the wash place, there is go outside from the toilet. And the peoples
14 object...the peoples objection is that this make bad smell.
15
16 **AJG:** Ok. Who made the decision to install this toilet?
17 **050:** He made the decision. And... [Pause as respondent continues to speak.] He made the decision.
18 He has five daughter... [Pause as respondent continues to speak.] He has four daughter and the
19 organization people said to set it here, and he also agreed with that. Now there is a problem. He
20 want to move it to the back [of the home]. He called this [inaudible].
21 **AJG:** He called it what?
22 **050:** [Inaudible] He wants it moved to the backside.
23
24 **AJG:** Did you discuss the installation of this toilet with your family?
25 **050:** He discussed with his wife and his son.
26 **AJG:** What sort of things did you discuss with them when deciding to install this toilet?
27 [Pause as respondent reprimands a small child in front of the house.]
28 **050:** Actually, we have no latrine before. And one foreign woman came here and she talk with them
29 and say install a toilet, we provide you a toilet. He agree and discuss with his family member and
30 set it here. [Pause as respondent continues to speak.] He also say it takes a big place. We have
31 few land...very small land. It takes a big place.
32
33 **AJG:** Did you consider production of fertilizer when deciding to install this toilet?
34 **050:** Yes, he also consider that it produces some fertilizer.
35 [Pause as respondent reprimands a small child in front of the house.]
36 **AJG:** That child is very loud. Was that important to the family? The production of the fertilizer?
37 **050:** Yes, he did. He has no place to collect and reserve the urine and the...urine. So, when it make
38 full, then he throw it into the river.
39 **AJG:** Does he grow any crops ever? Any vegetables?
40 **050:** When the water level is low, he gets some land to cultivate. Now there is no land.
41 **AJG:** Does he then use the urine?
42 **050:** Yes, he used it in those vegetable places.
43
44 **AJG:** Did you ever have any negative attitudes with regards to using the urine or the feces as fertilizer?
45 **050:** No, there was no problem. [Pause as respondent continues to speak.] And he again say about
46 people's objection to the bad smell...
47 **AJG:** The bad smell from the urine and anal wash water effluent?
48 **050:** Yes.
49 **AJG:** Is this a problem for you, or is it just a problem for the neighbors?

1 **050:** This is the... [Pause as respondent continues to speak.] This is not his problem. This is the
2 problem of the neighbors. Sometimes they [express their] objection, 'It makes very bad smell.'
3 He again told, that if it is replaced backside of his home, that would be very good for him.
4 **AJG:** Do you ever see children playing near or on the evaporation bed?
5 **050:** Yes, near. [Pause as respondent continues to speak.] Sometimes they crush the container. The
6 urine container, the children sometimes crush it.
7 **AJG:** Cast it?
8 **050:** Crush.
9 **AJG:** The children sometimes crush the container, ok. Does the anal wash water ever overflow the walls
10 of the evaporation bed?
11 **050:** Yes, sometimes it is overflow. [Pause as respondent continues to speak.] Again, he say that if it is
12 replaced backside, there is no problem
13
14 **AJG:** When you first heard of this toilet, did you think it was disgusting to use the urine or feces?
15 **050:** No. He does not...[Pause as respondent continues to speak.] He does not have any disgusting
16 feeling, but some neighbors, some other community peoples criticize him, 'It is urine. It is human
17 feces. Why you handle it?' But he has no problem. He had no problem also. He also say that it
18 is a very good thing for defecation. It is an interesting thing to defecate.
19 **AJG:** Why? What do you mean 'It is an interesting thing'?
20 **050:** He said that defecation is a very important thing for human being, so...the EcoToilet is near to his
21 door, it is easy to use. It is easy to use for his children, he added.
22
23 **AJG:** When your neighbors say that it is disgusting to use the fertilizer, how do you respond to them?
24 **050:** He answered them, this is secure for my daughters. If there is no toilet here, they have to go
25 outside for defecating and urinating, it is not secure. This was the answer for [them]. [Pause as
26 respondent continues to speak.] And he also say please replace my toilet to back side.
27 [Pause as respondent continues to speak.]
28 And he also said it is two chamber, divide it by a wall and [make it] two doors, and make it two
29 toilets.
30 **AJG:** Why would this be better?
31 **050:** He want to make it two toilets, and use together and it will fill by the human feces, he open the
32 cover and throw it into the river.
33 **AJG:** It wouldn't be an EcoSan toilet then.
34 **MK:** These are the conditions
35 **050:** And he also said, 'I will make a big chamber with my own cost, and will take the human feces out
36 of the chamber and reserve. In a big box.'
37 **MK:** He has many idea...
38 **AJG:** Yes, that is a good idea.
39
40 **AJG:** So you did not have a toilet previous to this toilet?
41 **050:** No, there is no toilet.
42 **AJG:** Where did your family relieve themselves?
43 **050:** Hanging toilet. And sometimes use open field.
44 **AJG:** Where was the hanging latrine?
45 **050:** That was destroyed.
46 **AJG:** Where was it before?
47 **050:** Backside from the [home].
48 **AJG:** Did you have problems with the hanging latrine?
49 **050:** There were many problem, he said. Many problem. [Pause as respondent continues to speak.]
50 During rainy season, most of the time it was unusable.
51 **AJG:** Anything else?
52 **050:** He said there are many problem. In the rainy season he said most of the time they cannot use it,
53 because it was unusable. During the rainy season they cannot go inside.
54 **AJG:** Were there any other problems with the hanging latrine?
55 **050:** The toilet has no wall...
56 **AJG:** Horrible?

1 **050:** No wall.
2 **AJG:** So there was no privacy?
3 **050:** There was no privacy and not secure for his daughter.
4 **AJG:** Did people not feel comfortable using that toilet during the daytime?
5 **050:** That is so hard for his daughter, use of that toilet. He said, 'I am a man. I can go outside, I can go
6 open field. But my daughter and my wife, where they go?' [Pause as respondent continues to
7 speak.] And he again say, 'Replace it. It is a problem.'
8
9 **AJG:** How many people are using the toilet right now?
10 **050:** Five.
11 **AJG:** So who is using the toilet? Him...he has four daughters, yes?
12 **050:** His four daughter and his wife use it. And the man, he don't use it.
13 **AJG:** He doesn't use the toilet?
14 **050:** He use it at night. At night.
15 **AJG:** So six people are using it.
16 **050:** Six people.
17
18 **AJG:** How many times have you emptied the feces chamber?
19 **050:** Two times.
20 **AJG:** They have emptied it two times?
21 **050:** Tow times, and throw it into the river.
22
23 **AJG:** Was the feces allowed to compost before it was emptied?
24 **050:** No. He didn't make it as compost. He pull it, just open and throw it into the river.
25 **AJG:** Who cleaned the toilet?
26 **050:** He hired...a sweeper. And they pay. [Pause as respondent continues to speak.] He paid 1,000
27 taka.
28 **AJG:** 1,000 taka, wow.
29 **MK:** It is unbelievable.
30
31 **050:** Again, he say that replacing [the toilet] for him.
32 **AJG:** Can you please remind him that I am not from a donor organization. I am not from a funding
33 organization. I will not replace his toilet.
34 **050:** That is not our matter. We have to interview him, and if we are not a donor organization maybe
35 he will not speak with us.
36 **AJG:** I want him to know that I am not a donor organization. I want him to know that is not why he is
37 talking to me today.
38 **050:** But maybe he agree that he does not agree to interview with us.
39 **AJG:** That is ok. That is his choice. I do not want to mislead him.
40
41 **AJG:** Why didn't you allow the feces to compost?
42 **050:** Actually they are poor people. They have no land. So where they will use the compost? It is a
43 question to solve.
44 **AJG:** Why did he remove it before it had been composted?
45 **050:** He doesn't know. It may be compost. He told me this, 'I don't know.'
46
47 **AJG:** How full is the chamber now?
48 **050:** He also told the chamber is full.
49 **AJG:** The chamber is full now?
50 **050:** Yeah.
51 **AJG:** What will you do with this chamber? Will you begin to use the next chamber?
52 **050:** They don't use it now. They use another toilet, a ring-slab toilet.
53 **AJG:** Why aren't they using this toilet?
54 **050:** For the rainy season, if it rains they cannot open the feces from there. So he told, we cannot use it.
55 **AJG:** Why can't you open the feces chamber in the rainy season?

1 **050:** This is an interesting thing. He told every day it is raining here. If I open the chamber, and water
2 is coming in, it will be destroyed.
3
4 **AJG:** When you use the toilet, do you only use one chamber at a time? Or do you use both chambers at
5 the same time?
6 **050:** He tells it takes only three or four months to fill a chamber. But after six months it will become
7 the compost. After another three months, it will be full.
8 **AJG:** So both chambers are full now?
9 **050:** Yeah.
10 **AJG:** I see...so you don't want to open the chamber.
11
12 **AJG:** Where is the ring-slab latrine that you are using now?
13 **050:** It is about 100 meters far from this house.
14 **AJG:** Are your family members, your daughters able to use this toilet at night?
15 **050:** Yes, they all use that.
16
17 **AJG:** If you were going to build another EcoToilet behind your home, would you be willing to pay some
18 of your money for it?
19 **050:** No, he tells, 'I am a poor man. I can't.'
20
21 **AJG:** Have you ever had any maintenance problems with this toilet?
22 **050:** Every day, he throw the urine into the river. Every day.
23 **AJG:** Do you have any fruit trees?
24 **050:** No, there is no fruit trees here?
25 **AJG:** Do your neighbors have fruit trees?
26 **050:** Yes, they have.
27 **AJG:** Why don't you give the urine to one of your neighbors for their fruit trees?
28 **050:** He told they don't want.
29 **AJG:** They aren't interested. Why do you think they aren't interested in it?
30 **050:** They don't want. And they don't understand about it.
31
32 **AJG:** Are there ever odors coming from the toilet?
33 **MK:** It is too hard to take an interview here...
34 **AJG:** Yes. It is a very small island and lots of people.
35 **MK:** But we have to try.
36 **050:** He told there is no bad smell from the defecating...from the human feces. But the urine
37 sometimes make a bad smell.
38
39 **AJG:** What do you do if water ever enters the feces chamber?
40 **050:** Either he use more ash or open it and throw it into the river.
41 **AJG:** What would you do if you noticed a large number of insects in the toilet?
42 **050:** he told there is no insect here.
43 **AJG:** he has never seen them?
44 **050:** No.
45
46 **AJG:** What is your primary source of income?
47 **050:** Fishing. Fisherman.
48 **AJG:** When you are fishing, do you come back to your home every night?
49 **050:** Yes, every night. He go in morning and come back in night.
50
51 **AJG:** do you ever have any problems getting ash for the toilet?
52 **050:** No. [Pause as respondent continues to speak.] Usually he gets it from his cooking stoves.
53 **AJG:** Never any problems getting enough.
54 **050:** No.
55
56 **AJG:** Ok. Just a few more questions. How old are you?

1 **050:** 55.
2
3 **AJG:** You are the head of the household here?
4 **050:** Yes. He is the male head.
5
6 **AJG:** How long have you lived in Jelepara?
7 **050:** Now he told that his age is not 55. He say 65.
8 **AJG:** How long have you lived in Jelepara?
9 **050:** 55 [years]
10 **AJG:** At this house the whole time?
11 **050:** Yes, 55 years?
12
13 **AJG:** Why did you move to Jelepara?
14 **050:** That place [his childhood village]...went to the river?
15 **AJG:** After the dam was built?
16 **050:** There lands...evicted by water when the dam was...
17
18 **AJG:** How old are your daughters?
19 **050:** 13 years. [Pause as respondent continues to speak.] 10 years.
20 **AJG:** There are two more daughters. How old are they?
21 **050:** The youngest is ten.
22 **AJG:** How old are the other two?
23 **050:** They born together.
24 **AJG:** [Laughing] Twins? Both of them?
25 **050:** Yeah [Laughing].
26 **AJG:** Two sets of twins? Wow! Congratulations! [Laughing] Ok. Thank you very much for the
27 interview.

[55:08 : END OF INTERVIEW]

Date: 9/19/2011**Latrine No.: 035****Interview No.: 051****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	15:23	██████████	Jelepara Village
Interview end:	15:59	██████████	Rangamati Upzilla
		██████████	Rangamati District
			Chittagong Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
33°C	Mostly Sunny	Humid	Purnima Das

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	58	Female Head

Residency Information

Length of Residence in Jelepara:	Length of Residence at Current Location:	Number of Residents in Household:
35	35	6

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	6	2

NOTES:

Wife of Respondent 050

TRANSCRIPT

Respondent: [REDACTED]

MK: [REDACTED]

- 1 **AJG:** Interview 051. What is your name?
2 **051:** [REDACTED]
3 **MK:** There is many [REDACTED] here. [REDACTED]
4
5 **AJG:** So you are not currently using this toilet? Is that correct?
6 **051:** The chamber is full, so they cannot use it.
7 **AJG:** When did you stop using the toilet?
8 **051:** After rainy season, they will be able to use this toilet.
9 **AJG:** When did they last use it? How long ago?
10 **051:** More than two months.
11 **AJG:** Is this the first time you have not been able to use the toilet since it has been built?
12 **051:** This is the first time they stop using it.
13
14 **AJG:** Other times you cleaned the toilet, before it was composted, correct?
15 **051:** They throw it into the river, not make the compost.
16 **AJG:** Why didn't you do that this time?
17 **051:** That time they hired a sweeper to clean it. Now there is some problem now. [Pause as respondent
18 continues to speak.]
19 **AJG:** So, they hired a sweeper last time?
20 **051:** But this time they have no money to hire a sweeper so, it is stalled.
21
22 **AJG:** Whose ring-slab are you using now?
23 **051:** she has a brother, and they have a ring-slab toilet. Now they use it.
24 **AJG:** Do you pay your brother some money to use the toilet?
25 **051:** No, there is no cost here.
26 **AJG:** Do you prefer using this toilet?
27 **051:** She prefers this toilet.
28 **AJG:** Why?
29 **051:** This is clean. And separate places for wash, for defecating and for urinating.
30
31 **AJG:** When making the decision to install this toilet, were you in favor of building the toilet? Did you
32 support it?
33 **051:** She support her husband. At that time one thing happened. Here [adjacent to the toilet] is his
34 prayer place.
35 **AJG:** Here?
36 **051:** Here, is a prayer place for here. Bu the organization said that if you install the toilet here, you will
37 get more advantages. And she agreed with them and build the toilet here.
38 **AJG:** Where is the prayer place now?
39 **051:** It is in the backside of the house. It is maybe fine for them.
40
41 **AJG:** Did you receive any criticism for having a toilet attached to your home?
42 **051:** Sometimes people criticize them, 'In front of your house a toilet...this is very bad.' Sometimes
43 the neighbor quarrel with them.
44 **AJG:** Do you feel stigmatized by the location of the toilet? Having it attached to your home?
45 **051:** It is also a problem for her. She also think...she told it is a problem for her, in front of her house a
46 toilet. It is a problem.
47 **AJG:** Have you had any other problems with the toilet that we haven't talked about?
48 **051:** No, there are no other problem. The problem is the community people and the neighbors criticize
49 them, 'In front of your house, a toilet? It is very bad.'
50 **AJG:** Do these criticisms continue today?
51 **051:** Yes, they continue it.

1
2 **AJG:** Would you ever consider removing this toilet yourself and building a ring-slab or another type of
3 toilet in the back?
4 **051:** No. No ring-slab. No hanging toilet. She wants another EcoToilet in the backside of her home.
5 **AJG:** So unless you could build another EcoToilet, you would not remove this toilet?
6 **051:** She wants a new one.
7
8 **AJG:** How do you feel about using the fertilizer and compost on your vegetables?
9 **051:** Yes...she feels...disgusting?
10 **AJG:** have you ever used the urine on your vegetables?
11 **051:** Urine is not a problem. The problem is the compost, what is made by the human feces. It is
12 disgusting for her.
13
14 **AJG:** When the rainy season in over and you empty the chambers...will you empty both the chambers
15 or only one?
16 **051:** They will clean it...both chamber. By the sweeper.
17 **AJG:** The sweeper will take the contents and put it into the river?
18 **051:** Ye.
19
20 **AJG:** Do you ever have guests come and visit your home?
21 **051:** Yes, the relatives come to visit them.
22 **AJG:** Do your relatives use this toilet when they come?
23 **051:** yes, they use.
24 **AJG:** Do they express that the behavior associated with using the toilet is difficult?
25 **051:** Yes, they express it is hard, but after use...she oriented them how to use it. She teaches them how
26 to use it.
27 **AJG:** Do you think they use it correctly after you teach them?
28 **051:** Yes, they can use it.
29
30 **AJG:** How long did it take you to become comfortable using this toilet?
31 **051:** She become habituated in a week. [Pause as respondent continues to speak.] The organization
32 peoples oriented them, teaches them and they learn.
33 **AJG:** How long did this orientation take?
34 **051:** Two meeting...two meeting were held. Two all day long meeting were held here and they
35 oriented them.
36 **AJG:** When did these meetings happen? After the toilet was built?
37 **051:** One before it was installed. And one meeting happen after install.
38
39 **AJG:** Beside form the location in the house, is there anything you would want to change about he toilet?
40 **051:** She also want to make it two. To make a wall and make it two [toilets].
41
42 **AJG:** How long does it take to fill one of the chambers?
43 **051:** Four months.
44 **AJG:** Only four months...ok. Do you only use one chamber at a time, or do you ever use both chambers
45 at the same time?
46 **051:** Only one.
47
48 **AJG:** When the chambers are emptied, or they emptied from the back? By removing the heat panels?
49 **051:** They open the chamber, and empty it
50
51 **AJG:** Do you know any of the other families on the island that have EcoToilets?
52 **051:** Yes she knows. Another three toilets, she knows about it.
53 **AJG:** Do you ever discuss the problems with the toilet or the use of the toilet with those families?
54 **051:** yes, she discussed with them.
55 **AJG:** Do they have similar problems as your household?
56 **051:** She don't know.

1 **AJG:** Do you have a close relationship with these other families?
2 **MK:** Look at her. How she answered.
3 **AJG:** So, no. Ok.
4
5 **AJG:** Even though this toilet is in the front of the house, do you still feel like it offers good privacy for
6 you?
7 **051:** Yes, it is secured for her and her daughter.
8 **AJG:** Do you daughters also like using this toilet?
9 **051:** Yes, they prefer it.
10
11 **AJG:** Who takes the responsibility for cleaning the toilet?
12 **051:** She is the responsible person for cleaning it.
13 **AJG:** How often is the toilet cleaned?
14 **051:** Once in a week.
15 **AJG:** Do you use...?
16 **051:** Water and bleaching powder.
17 **AJG:** She uses bleaching powder?
18 **051:** Yes.
19 **AJG:** Does she use bleaching powder each time?
20 **051:** Yes, each time.
21
22 **AJG:** Have you ever had a problem with insects inside the feces chamber? Cockroaches?
23 **051:** Sometimes it creates some insects, but now there is none because she fills with ash.
24 **AJG:** What type of insects?
25 **051:** Cockroach and flies.
26 **AJG:** Are the insects a big problem for your family?
27 **051:** Yes, it is a problem. It is a big problem.
28
29 **AJG:** Has your family had any instance of diarrheal illness since the toilet has been installed?
30 **051:** No, there is none.
31 **AJG:** Before the toilet was installed.
32 **051:** No...not before. [Pause as respondent continues to speak.] Sometimes it make a bad smell, but
33 here is no diarrheal diseases. After or before.
34
35 **AJG:** What sort of hygiene practices do you follow after using the toilet?
36 **051:** After using the toilet they wash their hand with water and soap. Sometimes they use ash.
37
38 **AJG:** Where do you get the water that you use for the toilet?
39 **051:** You know there is a river e here [laughing].
40
41 **AJG:** Yeah I noticed that. What about your drinking water?
42 **051:** There is a deep-set pump here. Only one.
43 **AJG:** And the whole village uses the same pump?
44 **051:** Yeah, only one.
45 **AJG:** How far away is the well?
46 **051:** About 100 meters from here.
47 **AJG:** Are there often lines to get the water?
48 **051:** Yes, there always is line. And in evening, hundreds of men...hundreds of people lining and will
49 collect water. This is a big problem here also.
50 **AJG:** Who in the family is responsible for collecting the water?
51 **051:** Basically she is the accountable person to collect the water. Sometimes her daughter helps her.
52 **AJG:** How much time do you spend each day collecting the water?
53 **051:** 30 minutes to one hour. [Pause as respondent continues to speak.] Sometimes it is two hours or
54 so, she added.
55 **AJG:** Why doe sit take so long?

1 **051:** When she stand at the first of the line, 30 minutes. When at the last of the line, two hours. [Pause
2 as respondent continues to speak.] And they have to pay...to get the water. To collect water.
3 **AJG:** Who do you pay the money to?
4 **051:** The pay the owner of the deep-set pump take one taka per pot. [Pause as respondent continues to
5 speak.] 20 liters pot.
6 **AJG:** Is this a substantial financial burden for the family?
7 **051:** Yes. It is a big problem. If you can't pay them...if you are unable to pay them they don't give
8 you water.
9 **AJG:** Is your family ever unable to get water for drinking?
10 **051:** Yes, they face sometimes this kind of problem.
11 **AJG:** What do you do then? Do you drink the river water?
12 **051:** They pay another day.
13
14 **AJG:** Where does your family get vegetables to eat?
15 **051:** Buy from market.
16 **AJG:** Where is the market?
17 **051:** The market is the other side of the river.
18 **AJG:** Do you have to go each day for vegetable?
19 **051:** Every day. Every day. And the rent is two taka on boat to go and come. Two plus two taka.
20 **AJG:** So two to go and two to get back? So four taka?
21 **051:** Yeah. [Pause as respondent continues to speak.] She also said that the children go to a [BRAC
22 operated] school. Two taka per day. Two plus two taka. Four taka a day. It is a serious problem
23 for them.
24
25 **AJG:** Is there anything else you would like to tell me about your toilet?
26 **051:** She wants another toilet, and another toilet, and another toilet. [Pause as respondent continues to
27 speak.] And also...she wants some help to get another toilet. She say that the roof [of the toilet's
28 super structure]. Is damaged. And it falls water during the rainy season. It is difficult to live here.
29
30 **AJG:** Ok. Thank you very much for speaking with me.

[34:55 : END OF INTERVIEW]

Date: 9/24/2011**Latrine No.: 036****Interview No.: 052****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:03	██████████	Pajulia Village
Interview end:	11:51	██████████	Gazipur Upzilla
		██████████	Gazipur District
		██████████	Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Sunny	Very Humid	Samila

Respondent Demographic Information

Gender:	Age:	Head of Household?
F	50	Female Head

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
50	30 - 35	3

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	3	1

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

NR: [REDACTED]

AK: [REDACTED]

- 1 **AJG:** Interview 052. What is your name?
2 **052:** [REDACTED]
3
4 **AJG:** Could you tell me about your experience with this toilet?
5 **052:** She is very much satisfied with using this toilet. Previously they were using the traditional
6 one...this is not sanitary.
7 **AJG:** A ring-slab?
8 **052:** Ring-slab...ring-slab. But now they are using this one. This is very safe, she say. One more
9 thing is they are getting fertilizer, are using in the trees and vegetable gardens and the fruit gardens
10 and getting some profits. So in that perspective, both environmentally and financially they are
11 very satisfied.
12 **AK:** She has mentioned some very important points. This is very hygienic and sanitary and they feel
13 comfort to use this. Another one, when they had a traditional toilet, it was a bit unhygienic. And
14 polluted the environment. Now, everything is better than traditional toilet. She has also
15 mentioned that they are physically and environmentally healthy.
16
17 **AJG:** Who introduced you to EcoSan?
18 **052:** Practical action. They are very rural people...they did not know the name Practical Action, but
19 she knows the name of the man.
20 **AJG:** Did you know anyone else in the village that had an EcoToilet?
21 **052:** They are very much known about he other users. There are almost 31 toilet, and they know who
22 are using this. And they are sharing time to time, what are the problems they are facing. And they
23 are very satisfied...and other users also.
24
25 **AJG:** When was this toilet constructed? When was it built?
26 **052:** They were present at the time of constructions. And it was built two years ago.
27 **AK:** A local mason.
28 **052:** By a local mason. They were here to observe construction works.
29
30 **AJG:** What were the most important factors influencing your decision to build this toilet?
31 **052:** So this is, as they say, this is very much user friendly. And there is no odor. And it is very much
32 useful, as she has mentioned earlier that they are getting fertilizers for their vegetable garden.
33 Because most of the people here are farmers, so the vegetable is a very important factor for them.
34 And they are getting it very easily. So these are the factors that always influence them. They
35 want to live safe both mentally...I mean physically and environmentally. So they are getting both
36 from this toilet.
37
38 **AJG:** Who made the decision to install this toilet?
39 **052:** For the first time, when we introduced this toilets to them, she visited other construction sites. She
40 was then influenced and take her decision to install it.
41 **AJG:** Are you married?
42 **052:** Obviously. She has a husband.
43 **AJG:** Did you discuss this with your husband?
44 **052:** Yes. She say she discuss with her husband and both, they are agreed.
45 **AJG:** What sort of things did you discuss with your husband?
46 **052:** The main discussion points was the fertilizers and environmentally friendly and hygienic latrine.
47 These are the points.
48 **AJG:** How long did this decision take to make.
49 **052:** 10 -15 days.
50

1 **AJG:** Initially, when you first heard about this toilet, were you ever concerned about reusing the compost
2 and the urine?
3 **052:** They are both agreed to use the fertilizers.
4 **AJG:** Did you ever find this to be disgusting? Was it a difficult adjustment to make mentally?
5 **052:** From the first time they use it, a little bit as they know they are handling the feces. But then, later
6 on they take it very simply and comfortably. Easy to use and handle.
7 **AJG:** What about the urine?
8 **052:** Same. Not face any problem.
9 **AK:** Mainly they use the urine in cauliflower and cabbage and other vegetables. And some trees
10 around the house. Like little coconut.
11
12 **AJG:** Did you ever hear negative comments from other people in the village about the use of the
13 fertilizers?
14 **052:** Actually, this is a technology for the first time they introduce. So the people that don't know
15 about this technology, they have some comments, 'How did you use this feces or urine?' Then
16 they explain them, 'This is the proper way we can use it, feces. This is very hygienic and there is
17 no odor, so this is not disgusting.' They just explain it very clearly to them, and then they
18 understand.
19 **AJG:** Do you think most people in the village now feel comfortable with this?
20 **052:** The main thing is the in formations. Soon they get in formations and as she say, now they want to
21 get this toilet.
22
23 **AJG:** You think more people in this village would like to have EcoSan toilets?
24 **052:** All the villagers when they visited the site, they expressed their interest to get his toilets, if
25 available. And they asked to them, is there any scope farther so they can avail this toilet. So when
26 the information is disseminated properly and they get the [inaudible] of this toilet, then they feel
27 interested.
28
29 **AJG:** What barriers do you thin there are to installing more toilets?
30 **052:** Actually there are no particular barriers. As you know, economically this is a very poor country.
31 So the only one barrier is actually money. They have to contribute 2,000 taka to 5,000 taka or
32 10,000 taka. So this might be a barrier.
33 **AJG:** But she doesn't consider the cultural or religious attitudes towards the use of these products to be a
34 barrier to further EcoSan development?
35 **NR:** There is no religious barriers because they are accepted very cordially. Even at the time of
36 inaugural we have arranged a special offerings by an Imam. So there is know religious barriers.
37 **AK:** So, Anthony, these days, some religious peoples are think this is very poor...very bad. One time
38 we organized an awareness event. The maximum people of this community know what is EcoSan
39 and what is the benefit and what is the scientific interest. Then they think, ye sit is better. One
40 person, it is called Imam. Imam say, 'It is good. It is environmentally friendly. It is very good
41 for people, agriculture. So we can accept this.' He has declared this. So, his declaration, people
42 think it is good and they can accept this.
43
44 **AJG:** What was the financing model for this toilet? How was it paid for?
45 **052:** For this situation, they collect their moneys that they have from their preservation, from the funds
46 they have, which they get from selling their vegetables. And they have some money from other
47 activities. So all of this, they make it available for the fund, for this toilet.
48 **AJG:** And how much did they pay?
49 **052:** 5,000 [BDT].
50 **AJG:** Does she know the total cost of the toilet?
51 **052:** Yes, she know it was 15,000 [BDT].
52
53 **AJG:** 5,000 taka is a lot to invest. Do you consider this toilet to be worth 5,000 taka to you?
54 **052:** They consider it very comfortable. This money is ok, as the market price is very high [inaudible].
55 As far as their considerations and calculations, this 5,000 [BDT] is worth it.
56 **AK:** And reasonable to them.

1 **AJG:** How much would you be willing to pay for this toilet?
2 **052:** She said if it cost them 10,000 taka, they must take it.
3
4 **AJG:** How many people re using this toilet right now?
5 **052:** Five people are using this one.
6 **AJG:** Who are the five people?
7 **052:** Actually three persons. They are three person. Husband wife and their son.
8 **AJG:** And how old is the son?
9 **052:** Seven years.
10
11 **AJG:** And how has your son adjusted to using this toilet? Is he comfortable using this toilet?
12 **052:** She said that they trained him how to use this, and now he knows better than them.
13 **AJG:** Who trained him?
14 **052:** She trained him.
15 **AJG:** Does he use the toilet correctly every time?
16 **052:** after the orientation, he knows better than them. So her assessment, he is using this toilet very
17 comfortably.
18 **AJG:** Did you ever help him use the toilet?
19 **052:** He can handle it and use it by himself.
20 **AJG:** How soon after the toilet was built did he begin to use it himself?
21 **052:** Very soon after the construction he begins to use by himself.
22
23 **AJG:** Have you had any problems with this toilet at all?
24 **052:** She added one more thing. They have another toilet. But after construction of this one, she totally
25 avoided that one.
26 **AJG:** So they still have a ring-slab toilet?
27 **052:** No, it is not usable now. Previously they had this one.
28 **AJG:** So, have they had any problems with this toilet at all?
29 **052:** No, they have had no problems.
30
31 **AJG:** Do you ever have difficulty getting enough ash for the toilet?
32 **NR:** Oh. It is raining.
33 **AK:** Tony, we have to move for the rain.
34 **052:** Before ash, they are not facing any problems because they use the dry leaves to make the ashes.
35
36 **AJG:** [To NR] Can I ask you to sit here so I can be sure to hear you on the recording?
37
38 **AJG:** Do you ever have guests come and visit your home? Visitors?
39 **052:** She has some guests. And time-to-time when they visited here, they use it. Normally they don't
40 have any special guests except their two daughters. So when they visit here, she already trained
41 them to sue it and they use it very comfortably.
42 **AJG:** Are they married?
43 **052:** Yes.
44 **AJG:** And they come with their families?
45 **052:** Yes.
46 **AJG:** Is everyone in their families comfortable using the toilet?
47 **052:** They have only lone to two children and when they come here they use it.
48 **AJG:** Their children also use this toilet?
49 **052:** Yeah.
50
51 **AJG:** Where do you use the urine?
52 **052:** They normally use the urine at the bottom of the trees.
53 **AJG:** The fruit trees. How often does the urine vessel fill up?
54 **052:** As you know, the family members of them, there are only two [other] members. So when they use
55 the little one [vessel], it takes 5 -7 days. When they use the big one it takes 15 days.
56 **AJG:** Why did they decide to use the small vessel?

1 **052:** Actually they use the small one to handle it, as it is better...or easy to handle it. When the guests
2 come, they use the big one.
3
4 **AJG:** What procedures do you follow when they use the urine? How do you go about applying it?
5 **052:** One is to five [one part urine to five parts water], generally.
6 **AJG:** One is to five?
7 **052:** It is different for fruit trees and vegetables. Fruit trees is one is to two [urine to water] and
8 vegetables is one is to four [urine to water].
9 **AJG:** Is this what she said?
10 **052:** Yeah.
11 **AJG:** So when you use it one the fruit trees, you mix one is to two?
12 **052:** Yes.
13 **AJG:** They also use it on their vegetables?
14 **052:** Yes.
15 **AJG:** And when you do the ratio is one is to four?
16 **052:** Yes
17 **AJG:** And did you determine these ratios yourself or were you told to use it this way?
18 **AK:** So soon after install this we have orientation how to use this. Then we give them the appropriate
19 ratios. And they maintain the rations.
20
21 **AJG:** Have you noticed if the urine has had a positive effect?
22 **052:** When they use the urine on particular plants, whatever...on the fruit tree or on the vegetable, it
23 produce well. The production is better as compared with the other one where they are not using
24 the urine.
25 **AJG:** Have you noticed any vegetables I particular grow very well with the urine?
26 **052:** They noticed better results in vegetables like puishak, which they cultivate in smaller scale.
27
28 **AJG:** Do you think the use of the urine has any negative environmental impacts?
29 **052:** She thin this is very user friendly and have no other negative effect on the environment.
30
31 **AJG:** What about the feces compost? How many times have they used this? Where do they use this?
32 **AK:** Actually they are...[Pause as respondent continues to speak] This toilet is designed for 8 person,
33 but they have only three person. So until now, the chamber is not full.
34 **AJG:** So they have not used any of the compost yet?
35 **052:** They are using just he urine.
36 **AJG:** When will you remove the fecal compost for the first time?
37 **052:** One chamber is full. But it is not matured. After mature they will...
38 **AJG:** When will it be matured?
39 **052:** Already six month passed, and when another one is full [they will empty it].
40 **AJG:** So it probably mature now, but they waiting for the other one to fill?
41 **052:** This is seasonal crops. After two month, winter cultivation start. Then they use the feces.
42
43 **AJG:** What procedure will you follow when you use the feces? How will you empty the chamber?
44 **NR:** They know the process how to use the feces, but they have not started yet. They are waiting for
45 the production period.
46 **AJG:** I understand. What is the process? Can you ask her to describe the process to me?
47 **AK:** They know...they know. Because already many toilet empty. They know and already they are
48 trained. When other toilets is empty, they know how to replace the feces and clean and process.
49 **AJG:** Could you just ask her to describe the process?
50 **052:** As she say, first they collect the feces from the chamber. They need some sun to dry it properly,
51 then they place the fertilizer where they need.
52 **AJG:** Are there any sort of safe handling procedures? Do you need to wear gloves?
53 **052:** Oh...she said they need gloves, and they use it. And another instrument they use is the spade.
54 **AJG:** Will you wash your hands when you are finished?
55 **052:** They know how to use it and know how they will have to do after that. And they use the clean
56 hand soap properly.

1
2 **AJG:** Who is responsible for cleaning this toilet?
3 **052:** Normally she used to clean always and maintain the safety and cleanliness.
4 **AJG:** How often does she clean it?
5 **052:** Once in a day. ...[Pause as respondent continues to speak] And when she feel sit needs to be
6 cleaned, she clean. Then she clean. But normally once in a day.
7 **AJG:** Does she use water or any Wheel powder or any other cleaning agents?
8 **052:** She uses Wheel powder. A little bit.
9
10 **AJG:** Has your family noticed any change in their health since the toilet has been installed?
11 **052:** So they take it very hygienic, and they think that normally they are not facing any serious diseases.
12 So they think it is healthy for them. And there is no changes.
13 **AJG:** No changes since the pit latrine?
14 **052:** No changes. That was ok...but not so ok. From when they use an unhygienic latrine they
15 experience some stomach pain, but at present it is free from that
16 **AJG:** So your family ahs not had any instance of diarrheal disease since the toilet was installed?
17 **052:** No, no, no.
18 **AJG:** How often would a member of the family experience diarrheal illness before that?
19 **052:** They experience diarrhea once before using it. But now, with this toilet, it is free.
20
21 **AJG:** Have your hygiene behaviors changed with this toilet?
22 **052:** After using this one, they find it is very comfortable. There is no odor and there is no panic...or
23 threat of diseases. And they are use it very friendly, comfortably. And the people that are visiting
24 this toilet, they feel interested that they will get this. And they are very much happy as she said.
25 **AK:** Another thing they mentioned, now this toilet is very near to their bedroom. It is very risk free.
26 Before this toilet installation, the traditional one was very far from their house. They feel risk at
27 night, but now they feel very risk free.
28 **NR:** The main thing she said is that the latrine was installed very far away, the previous one. The main
29 reason one is odor...unhygienic. They cannot take their meals. Now they can take their meal
30 sitting here or over there. Now there is no threat, as she is saying.
31 **AJG:** Has the family improved hand-washing behavior with this toilet?
32 **052:** Now they are practicing the hygiene practice, washing hands after using toilet.
33 **AJG:** Was this something they were doing before?
34 **052:** No, they were doing before, but not so organized...or properly. Before they were using mud or
35 ashes, but now they use soap.
36 **AJG:** Do you always have soap?
37 **052:** Yes.
38 **AJG:** So they never use ash any more?
39 **052:** No, they don't.
40
41 **AJG:** What is your source of ash? The cook stove?
42 **052:** Their source is their cooking.
43 **AJG:** What do they burn for fuel?
44 **052:** The dried leaves and some wood...and straw.
45 **AJG:** Do you burn cow dung?
46 **052:** No.
47
48 **AJG:** Do you find that this toilet uses less water than the ring-slab?
49 **052:** It needs little water.
50
51 **AJG:** Is there anything else you would like to tell me about this toilet here?
52 **052:** So, normally they re very much pleased and happy and very much comfortable to use. The only
53 one thing they would like to say, they told me if, according to their experiences, it would be better
54 if they get this toilet before.
55 **AJG:** Good. Thank you.
56

1 **AJG:** And how old are you?
2 **052:** 50.
3
4 **AJG:** She is the head of the household?
5 **052:** Her husband.
6
7 **AJG:** How long has she lived in Pajulia? In the village?
8 **052:** 40 years.
9 **AJG:** How long in this house?
10 **052:** 30 to 35 years.
11
12 **AJG:** Ok. Well thank you very much for speaking with me.

[47:09 : END OF INTERVIEW]

Date: 9/24/2011**Latrine No.: 037****Interview No.: 053****General Interview Information**

Time		Translator:	Interview Location:
Interview begin:	11:54	██████████	Pajulia Village
Interview end:	12:30	██████████	Gazipur Upzilla
		██████████	Gazipur District
		██████████	Dhaka Division
Temperature:	Meteorological Conditions:	Humidity:	Respondent(s):
30°C	Rain	Very Humid	Md. Ali

Respondent Demographic Information

Gender:	Age:	Head of Household?
M	50	Yes

Residency Information

Length of Residence in Pajulia:	Length of Residence at Current Location:	Number of Residents in Household:
50	50	4

General Sanitation System Information

Improved Sanitation: (Y/N)	Sanitation System Design:	Number of Households Using Toilet:	Number of Individuals Using Toilet:	Number of Children Using Toilet:
Y	UDDT	1	4	1

NOTES:

TRANSCRIPT

Respondent: [REDACTED]

NR: [REDACTED]

AK: [REDACTED]

- 1 **AJG:** Interview 053. What is your name, sir?
2 **053:** His name is [REDACTED]
3
4 **AJG:** Can you tell me about how this toilet was installed?
5 **053:** First they know about this toilet and feel interested. Then he visited some places before he started.
6 Then he agreed on, he needs a toilet. Then soon after approval, when construction work began he
7 was there. And he knows how to build this?
8
9 **AJG:** Which of these toilets was built first?
10 **053:** That one was built first.
11 **AJG:** Ok. Latrine 037 was the first toilet. How long after this toilet [Latrine 037] was built was this
12 toilet [Latrine 036] built?
13 **053:** After seven weeks...after seven days...
14 **AJG:** So they were built at the same time, more or less?
15 **053:** Yeah.
16
17 **AJG:** What is the relationship between these two households here?
18 **053:** Oh, they are brothers.
19 **AJG:** Ok, so your brother is Ms. Samila's husband?
20 **053:** Yes.
21 **AJG:** Did you discuss the installation of these toilets with your brother?
22 **053:** Yes, he did.
23
24 **AJG:** What did you discuss with him?
25 **053:** This toilet [Latrine 037] started earlier, before that one [Latrine 036]. So he discuss with his
26 brother, and he influenced is brother that these are the things and advantage that we will get soon
27 after the construction of this one. So they agreed upon...after the construction of this toilet
28 [Latrine 037], his brother will start this one [Latrine 036]. They mainly discussed what would be
29 the merits and the profits.
30 **AJG:** What did you see as the merits? And what did you consider the demerits?
31 **053:** The main they find is it is very user friendly, it is very easy to use, there is no odor and it is very
32 near to their home.
33 **AJG:** Did you consider the fertilizer production? Was that important?
34 **053:** It was taken that very important, the fertilizer. They will be able to use in their gardens.
35 **AJG:** Was there a single issue you considered to be most important?
36 **053:** The main thing was not only the fertilizer they were able to use in the field, but hygienic. No
37 odor, and nothing to handle. Neat and clean. And sometimes he consider it a social status. In this
38 poor area here, to have a brick built toilet.
39
40 **AJG:** Yes, it is a very permanent structure. And you have a bathing facility here. Is there a hand pump?
41 **053:** They have no tube well inside, but they collect the water from the tube well...in bucket. And they
42 use it for bathing.
43 **AJG:** This bathing facility was built at the same time [as the EcoToilet]?
44 **053:** The same time.
45 **AJG:** Why did you decide to build a bathing facility? Why did you consider that so important?
46 **053:** He thinks it will be vey hygienic, if there are any provisions they can make. Bad things,
47 sometimes to the toilets. The main thing, you know, religiously they are very conservative, as
48 Muslims. So if there are any bathing facilities that are covered, it will be very good thing for him,
49 and mostly the female members.
50 **AJG:** So the privacy issue was very important?

1 **053:** Yes.

2 **AJG:** What was the cost of this toilet?

3 **053:** Total cost was 40,000 [BDT].

4 **AJG:** What did he pay?

5 **053:** 30,000 [BDT].

6 **AJG:** Are you pleased with this investment?

7 **053:** He is quite impressed after investing this 30,000 [BDT]. And he agreed to invest more if needed

8 to build these two facilities. This toilet and bath.

9

10 **AJG:** It appears that sanitation and hygiene were very big priorities for your family. Is that true?

11 **053:** As he say, for the better environment and for better health, not only for him but for his children,

12 for his wife, it is very important to use sanitary latrine and maintain the hygiene activities.

13

14 **AJG:** Had your family had instances in which people became ill? With diarrheal or other diseases?

15 **053:** Earlier the environment was not so safe for them, because the latrine was unhygienic and it

16 scattered. So, it was not so hygienic for the family and for the environment. But now, soon after

17 this establishment, they find it very comfortable and easy and healthy.

18 **AK:** He mentioned another thing...hen.

19 **NR:** He mentioned another thing, the hen. They scattered feces and that was unhygienic. But now this

20 is safe.

21 **AJG:** How has this improved...?

22 **NR:** After improvement, there is no chances of that. But before that when the latrines were unhygienic

23 and installed in the bush areas or the jungles, the latrine was open. So then this situation arises.

24 The hens. After situation of this one, the children normally use to throw their waste, their feces

25 scatteredly [sic]. Now they have the toilet, so they can collect the feces and throw it into the toilet.

26 **AJG:** I am not sure I understand the involvement of the hen. Were they getting the feces on their feet

27 and tracking it into the living areas?

28 **053:** Right, right, right.

29

30 **AJG:** If you were to move away from this village to another village, would you want to build another

31 toilet like this?

32 **053:** Yes, he agreed.

33 **AJG:** How much would you be willing to pay?

34 **AK:** I think this question is totally unrealistic for him. He is living here very long.

35 **AJG:** I understand that of course...

36 **AK:** But he, he is living here, but his next generation when the need a replacement [toilet]. Then he

37 will construct this type of toilet.

38 **NR:** Now it means, as you say, that he knows the importance. Normally, they will start his living here

39 after they take this home. Traditionally they will use it for long. So, he knows the importance of

40 this type of latrine. So if needed, he will do it.

41

42 **AJG:** Have you had to make any repairs to this toilet?

43 **053:** Until now, he has not needed. But if needed, he will do.

44

45 **AJG:** I noticed there is some standing water in the evaporation bed. Is that a normal condition?

46 **053:** As he say...normally...this is abnormal.

47 **AJG:** How often does this happen? And why does it happen?

48 **053:** Actually he does not know, but normally it does not happen.

49 **AJG:** Has he ever noticed the water overflowing the evaporation bed?

50 **053:** Now he notice about it, but it becomes...the main problem it may be due to the rain, at night.

51 **AJG:** Ok. I am not so sure. Is there any coarse material...any crushed brick in the bed?

52 **053:** Yes, there are.

53

54 [Note: AJG observed abundant organic matter, but no coarse material in bed.]

55

56 **AJG:** Who is currently using the toilet?

1 **053:** They are using it...

2 **AJG:** Who? And how many?

3 **053:** Four.

4 **AJG:** Who are the users?

5 **053:** He and his wife and two sons.

6 **AJG:** How old are the sons?

7 **053:** The elder one is 15 years, and the next one is 8.

8 **AJG:** Does the eight year old child use the toilet by himself?

9 **053:** Yes, they know.

10

11 **AJG:** Where are you using the urine and the compost?

12 **053:** He is using the urine. [Pause as respondent continues to speak.] They are using the urine in the

13 fruit trees.

14 **AJG:** Also in the vegetable fields?

15 **053:** Not yet. They will use it after starting the winter season.

16 **AJG:** Who is responsible for using the urine? Who collects it and mixes it with water and fertilizes the

17 plant?

18 **AK:** They are not using the urine in the vegetable, but they have plan to use in vegetable in the winter

19 season.

20 **053:** Normally his wife has that responsibility to collect and use that.

21 **AJG:** Is this something she is comfortable with?

22 **053:** He has to move outside for works, and his wife is available.

23 **AJG:** So he is gone during the daytime?

24 **053:** Yes, for work.

25

26 **AJG:** What is your primary income? Not the amount, but how does he make his income?

27 **053:** He is a farmer basically, so he has to maintain his family with his production. Normally he get

28 60,000 [BDT] to one lakh [100,000 BDT].

29 **AJG:** Why such a wide range in his income?

30 **AK:** No it is two systems. The harvesting system come in high, or the harvesting system come in low.

31 **NR:** When they have poor productions it is 60,000 [BDT]. When they have good productions... winter

32 is the main season for them.

33 **053:** He is saying they have already cultivated some vegetables, but he says, as the rain comes without

34 any notice, it can damage the products. So he has to count the losses. [Pause as respondent

35 continues to speak.] They have jackfruit trees. The production was good but he price fall. So

36 they have to count the losses. [Pause as respondent continues to speak.] Last year they got 30,000

37 [BDT] after selling cauliflower.

38 **AJG:** 30,000 taka for cauliflower alone?

39 **053:** Yes.

40 **AJG:** Did they use the urine in the cauliflower?

41 **053:** No. There instruction was not [inaudible]. That can be used as cow dung. [Pause as respondent

42 continues to speak.] Now they have a plan to use this feces as fertilizer, in the next production.

43

44 **AJG:** When will this feces be ready to use?

45 **053:** Already 5- months on going. So they have the opportunity to use next winter. This is already

46 completely matured. [Pause as respondent continues to speak.] He said that the productions is

47 very much higher. The production [using the EcoToilet compost] is very much weighty,

48 compared to the cow dung.

49 **AJG:** How does he know?

50 **053:** Other users.

51 **AJG:** Do you speak with other users of toilets often?

52 **053:** Yes, it is very normal

53 **AK:** Anthony, we had a demonstration for research using urine and feces. All of the people of this

54 village observe, and compare, what is better: cow dung or feces, compost or chemical fertilizer? It

55 is creating for six month, and people are very aware and they know now that feces fertility

1 capacity...quality is better than cow dung and chemical fertilizers. The people of this village is
2 now informed.

3 **AJG:** Was this conducted in partnership with BASA?
4 **053:** No.

5 **AJG:** This was just Practical Action individually?
6 **053:** Not. No.

7
8 **AJG:** Do you use any cow dung on your field?
9 **053:** Only urea [a chemical fertilizer]. But only a little amount.

10 **AJG:** Will you continue to use this chemical fertilizer after your compost is ready?
11 **053:** Not necessary any more.

12 **AJG:** How much land do you have to grow your crops on?
13 **053:** They have 60 decimal to grow crops.

14 **AJG:** How many acres is that?
15 **NR:** .5 acre. 100 decimal is one acre.

16 **AJG:** And he has 16 or 60?
17 **AK:** 60 decimal.

18
19 **AJG:** How long did it take to fill up the feces chamber for your family?
20 **AK:** Actually this design is for eight person, but they are four person. So normally, with eight person,
21 this take six months. But with four person, it take almost...eight month.

22 **AJG:** Did he find this to be true? Eight months?
23 **053:** One chamber is already filled.

24 **AJG:** How long did it take to fill that chamber?
25 **053:** One month it is ready. [Pause as respondent continues to speak.] Oh, one chamber is already
26 filled and the next one three months.

27 **AJG:** How long did it take to fill that first chamber?
28 **AK:** This toilet is managed by his wife, so she knows better. [Respondent calls wife]
29 **053:** [Respondent's wife] eight to nine months.

30
31 **AJG:** What would you do if some water entered the feces chamber?
32 **053:** It has happened once, there was unwanted waters pouring in through a pipe...the ventilation pipe.
33 Then, so what they did was put more ashes.

34 **AJG:** More ash, ok. And what would you do if the toilet started to create some bad odors or attract
35 some insects.
36 **053:** They use the hot ashes. Hot ash.

37
38 **AJG:** Is there anything you would like to change about the design of this toilet? Anything that would
39 make it easier to use for your family?
40 **053:** They are very much comfortable...[Pause as respondent continues to speak.] They thinks that all
41 aide of facility is ok. But they think that the ventilation pipe is more strong...needs to be more
42 strong. And the cover of it, need to be more hard.

43 **AK:** In the times of strong winds.
44 **AJG:** Have they had a problem with the wind damaging the vent pipe before?
45 **053:** Yes.

46 **AJG:** Ok, the one that is damaged there now?
47 **053:** Yes. The rainwater is entered [the feces chamber through a damaged vent pipe]. There is no
48 problem using it, they just wanted to confirm that the vent pipe is strong enough for the winds.

49 **AJG:** Have you noticed any other damage to the toilet?
50 **053:** No. [Pause as respondent continues to speak.] This is another problem. The hole [feces chamber
51 port] cover, is rust prone. That is why the handle is separated from the cover.

52 **AK:** It is a problem...that is why it should be stainless steel. It is very sustainable.
53 **AJG:** Very expensive too. Have you considered using wood or another material?
54 **AK:** The service provider...when the coves were bought, they say stainless steel but really it is iron.
55 **053:** It is a little problem.

56

1 **AJG:** Is there anything else you would like to tell me about this toilet?
2 **053:** It is a strong suggestion. When his son will be married, there will be another one [user] his wife.
3 And as the time changes, so there taste already changes. And they must orient about the attached
4 bathroom
5 **AJG:** What?
6 **053:** Attached bathroom.
7 **AJG:** Oh...the attached bathroom.
8 **053:** Now they are a little bit open. The sister in law does not go out of house. Stay in the
9 house...status.
10 **AJG:** Would you prefer that here?
11 **053:** They have a plan to do this one when they build a new structure. But now they are very
12 comfortable. [Pause as respondent continues to speak.] In future, when they build another house,
13 they will try to make it attached.

[36:01 : Begin collecting demographic information]

[36:44 : END OF INTERVIEW]