

APPENDIX A

Questionnaire (English Version)

Research Topic “The Relationship between Solid-waste Separation Behaviors of People in Anusaowaree sub-district, Bangkhen district, Bangkok and the Knowledge of Waste-separation”

Instructions: the questionnaire is composed of 3 parts

Part 1 – General Information

Part 2 – Knowledge of solid-waste

Part 3 – Behaviors of solid-waste

Part 1: General Information

Directions: Please put only one X into to answer the following questions.

- 1.1 Gender 1) Male 2) Female
- 1.2 Age 1) Lower than 20 years old
 2) 20-29 years
 3) 30-39 years
 4) Older than 40 years
- 1.3 Occupation 1) Student
 2) Merchant
 3) Small trader
 4) Company employee
 5) Government worker / State enterprise worker
 6) General employment
 7) Unemployed
 8) Others (please specify) _____
- 1.4 Educational Level 1) Primary school
 2) Junior high school
 3) Senior high school
 4) Vocational school
 5) Bachelor's Degree
 6) Higher than Bachelor's Degree
 7) Others (please specify) _____

- 1.5 Income per month
- 1) Lower than 5,000 Baht
 - 2) 7,000 – 14,000 Baht
 - 3) 14,001 - 21,000 Baht
 - 4) 21,001 - 28,000 Baht
 - 5) More than 28,000 Baht

Part 2: Knowledge of Solid-waste Separation

Directions: Please read below questions carefully and put ✓ in the blanks that you would like to answer.

| Dry waste questions | True | False | Uncertain |
|---|-------------|--------------|------------------|
| 1. Newspapers should be stacked and bundled with rope | | | |
| 2. A big cardboard box should be deflated or cut to small pieces before throwing away or selling to merchant. | | | |
| 3. Tearing used paper into small pieces will make it easy to bring in the recycle process. | | | |
| 4. Before compiling paper, paper clips, adhesive tapes, plastic covered page should be removed from them | | | |
| 5. Before compiling and throwing away glass bottles together, all beer caps, crown corks, screw tops, corks, metal seals should be removed from them. | | | |
| 6. Clear glass and colored glass should be set apart from each other before throwing away | | | |
| 7. Glass bottles should not be broken but put them whole separately in the same bin | | | |
| 8. Earthenware or ceramic bottles the same as other cosmetic bottles should be put together with waste glass. | | | |
| Biowaste questions | True | False | Uncertain |
| 9. Biowaste refers to all sorts of garden garbage such as cut grass, cuttings and pruning from trees, hedges and shrubs, dead plants as well as kitchen scraps which are suitable to become fertilizer. | | | |
| 10. Biowaste bin should not be closed tightly in order to have ventilation. | | | |
| 11. Biowaste should be placed in a cool area of a kitchen | | | |
| 12. Pouring used cooking oil into the sink or toilet bowl will cause problems in the sewerage system leading to high cleaning costs later. | | | |
| 13. Disposing of a plastic bag in a biowaste bin does not cause any problems. | | | |

Part 3: The Solid-waste Separation Behaviors

Directions: Please read below questions carefully and put ✓ in the blanks that are closest to your operation.

| Description | Behavior level | | |
|--|----------------|-----------|--------|
| | Always | Sometimes | Hardly |
| 1. Your household has separated solid-waste into 2 categories – fresh waste and dried waste or recycled waste. | | | |
| 2. Before throwing away or selling to a merchant, you fold and bundle newspapers with rope. | | | |
| 3. Before selling to a merchant, you separate cardboard boxes, beer boxes and other boxes from other wastes to fold and bundle together. | | | |
| 4. You keep plastic drinking water bottles and softdrink cans together, before disposing or selling to a merchant, | | | |
| 5. Before disposing or selling to a merchant, you unfold a UHT milk box, wash, expose to the sun and bundle with rope. | | | |
| 6. Before throwing away a used diaper, you take out feces in a toilet bowl then roll it up in a small figure. | | | |
| 7. You separate various kinds of glass from other kinds of wastes in order to sell to merchant. | | | |
| 8. Before collecting as glass waste and disposing of or selling to merchant, you pour out remaining water and wash a glass bottles. | | | |
| 9. You keep all unburnable glass waste e.g. neon tube, earthenware, and ceramics to dispose of separately from other kinds of waste. | | | |
| 10. Before throwing away all unburnable glass waste, you wrap it with thick paper, newspapers or put in its original packaging and label the package as “sharp waste, be careful”. | | | |
| 11. You keep spray bottle waste e.g. hair spray, insect killing spray, etc. and put it separately in a bag and dispose of it far away from flame. | | | |
| 12. Before disposing of all can wastes, you separate corks and plastic labels to throw away with other kinds of plastic waste. | | | |
| 13. You keep expired batteries to dispose of with other hazardous wastes e.g. neon tube, used lubricant, etc. | | | |
| 14. After disposing of food residues with other fresh wastes, you take out the plastic bag to throw away separately. | | | |
| 15. You separate drained vegetable scrap, fruit scrap and food scrap from other wastes and put them whole in a specific bin. | | | |
| 16. Before disposing of used cooking oil, you soak it up with tissue paper, put it in a bag and throw it in a bin. | | | |
| 17. You cut tree branches to be shorter than 50 cm. and bundle them with rope then put them in a bag and dispose of them. | | | |