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## APPENDIX J HOUSEHOLD DUST COLLECTION PROTOCOL

Residential dust samples will be collected to determine concentrations of lead household dust. Dust samples will be collected using wipes from 1) the kitchen floor, and 2) flooring in a second area where children are identified to frequently spend time.

### Collection of Indoor Dust Samples

- Select an area on the floor for dust wipe selection. Do not walk on or touch the area to be sampled.
- Lay a plastic sheet on the ground next to the area to be sampled to prevent contact of sampling equipment with the floor.
- Place a disposable sampling template (30 cm x 30 cm) on the floor and secure the corners with masking tape.
- Label a sealed sampling tube with a unique identifier.
- Document the sample collection and field observations within a field notebook or sampling sheets. Documentation should include:
  - A unique sample identifier corresponding with the identifier labelled on the sample collection tube.
  - The name of the person(s) conducting the field investigation and the date.
  - The address of the property where the sample is collected.
  - A description of the location where the sample is collected (e.g., kitchen floor).
  - General observations of the sampling area (e.g., type of flooring material, visible damage). Document any unusual features (e.g., staining, loose materials).
  - Photograph the sampling area.
  - Record the GPS coordinates.
- Pull on a pair of clean disposable nitrile gloves and open the sampling tube.
- Open the dust wipe package and remove and unfold the wipe.
- Hold the wipe on a flat, open hand with the fingers held together.
- Wipe the area of the floor within the template moving in an “S” pattern until the entire area is wiped once.
- Fold the wipe in half with the wiped side to the inside of the fold.
- Wipe the area of the floor within the template again using an “S” pattern perpendicular to the original wiping orientation.
- Fold the wipe in half again with the wiped side to the inside of the fold.
- Wipe the inside edges of the template on all four sides.
- Fold the wipe in half with the wiped side to the inside of the fold and place the wipe in the labelled sampling tube. Seal the tube.
- Place the tube in a storage bag or container.
- Remove and discard gloves.

### Field Blanks

- Field blanks are to be prepared in the study office. Provide one field blank for every 15 samples by placing a wipe within a sample tube while wearing clean gloves. Samples are to be labelled as a D9000 series (e.g., D9001, D9002, etc.).
- Provide one stencil blank for every 15 samples by wiping an unused stencil with a wipe while wearing clean gloves and placing the wipe within a sample tube. Samples are to be labelled as a D9100 series (e.g., D9101, D9102, etc.).