APPENDIX AVAILABLE ON REQUEST

Research Report 143

Measurement and Modeling of Exposure to Selected Air Toxics for Health Effects Studies and Verification by Biomarkers

Roy M. Harrison et al.

Appendix 4. Microenvironment Related Forms

Note: Appendices Available on the Web appear in a different order than in the original Investigators’ Report. HEI has not changed these documents.

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This document was reviewed by the HEI Health Review Committee but did not undergo the HEI scientific editing and production process.

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OTHER MICROENVIRONMENT (OME) DESCRIPTION SHEET - STREET

MATCH Project
Other Microenvironment (OME) Description Sheet - STREET

LOCATION DESCRIPTION: Tick box if statement applies.

- **DATE OF SAMPLING:**

- **SAMPLING TIME PERIOD:**

- **NAME OF LOCATION:**

- **ME TYPE:**
  - Trafficked Roadside
  - Background Street
  - Pedestrianised Street
  - Street Canyon
  - Park
  - Playground
  - Bus Stop

- **ARE THERE:**
  - Buildings of equal height on either side of the road
  - Buildings of unequal height on either side of the road
  - Buildings are interrupted on one side of the street
  - Buildings are interrupted on both sides of the street
  - Buildings only on one side of the street

- **IS THE STREET:**
  - Open-ended through traffic
  - Cul-de-sac
  - Private Street

- **DOES THE STREET:**
  - Only contain residential houses (i.e. 2/3 storey max)
  - Only contain residential flats
  - Just contain shops
  - Just contain offices
  - Contain a combination (give more details below)

- **ROAD TRAFFIC?**
  - Not busy (very few cars around)
  - Busy at times
  - Busy all the time
  - Extremely busy
  - There are significant times of queuing traffic
  - There is occasional queuing traffic?
  - Traffic moves continually

- **OTHER DETAILS:**
  - There is an intersection containing traffic lights within 20m
  - There is a roundabout within 20m
  - There is a pelican crossing within 20m
  - There is a zebra crossing within 20m
  - There is a petrol station within 20m
  - There is a car park within 20m
  - Photographs have been taken of the sampling location

- **OTHER COMMENTS:** Please include a sketch of the location with landmarks to indicate which side of the road sampling occurred.
OTHER MICROENVIRONMENT (OME) DESCRIPTION SHEET - TRANSPORT

MATCH Project
Other Microenvironment (OME) Description Sheet - TRANSPORT

LOCATION DESCRIPTION: Tick box if statement applies.

- DATE OF SAMPLING: 

- SAMPLING TIME PERIOD: 

- NAME OF LOCATION: 

- LOCATION DESCRIPTION: 
  e.g. route taken by bus/train/car or position of sampler within station/car park.

- ME TYPE: 
  - Car
  - Bus
  - Train
  - Main Train Station
  - Coach Station
  - Local Train Station
  - Car Park

- VENTILATION: 
  - There are windows open
  - There are doors open
  - Air conditioning is being used
  - Extractor fan is being used
  - There is external ventilation
  - There is internal ventilation
  - The air is being heated
  - The air is being cooled

- SMOKING: 
  - There are people smoking during the sampling time
  - Estimate how many people smoking __________________________
  - Estimate the number of cigarettes smoked ______________________

- IF IN CAR OR BUS: How Busy are the Roads?
  - Not busy (very few cars around)
  - Busy at times
  - Busy all the time
  - Extremely busy
  - There are significant times of queuing traffic
  - There is occasional queuing traffic?
  - Traffic moves continually
  - This is a motorway sample
  - This is an A and B road sample

- IF IN A STATION: 
  - There are times when running vehicles are stationary for some time

- OTHER DETAILS: 
  - Photographs have been taken of the sampling location

- OTHER COMMENTS: Please include a sketch of the location for stations/car parks and the position sampler placed in vehicle for cars and buses. If in bus, car or train please describe vehicle - fuel type, age, model etc. Also include as much extra information as possible regarding the location, route taken etc.
OTHER MICROENVIRONMENT (OME) DESCRIPTION SHEET - INDOOR

MATCH Project
Other Microenvironment (OME) Description Sheet - INDOOR

LOCATION DESCRIPTION: Tick box if statement applies.

- DATE OF SAMPLING: 
- SAMPLING TIME PERIOD: 
- NAME OF LOCATION: 

- ME TYPE: 
  - Pub
  - Restaurant
  - Coffee Shop
  - Department Store
  - Supermarket
  - Hair Salon
  - Gym
  - Library
  - Museum/Art Gallery

- VENTILATION: 
  - There are windows open
  - There are doors open
  - Air conditioning is being used
  - Extractor fan is being used
  - There is external ventilation
  - There is internal ventilation
  - The air is being heated
  - The air is being cooled

- SMOKING:
  - Are there people smoking during the sampling time?
    - Yes
    - No
  - If yes, estimate how many people are smoking
  - If yes, estimate the number of cigarettes smoked
  - If yes, how far from the sampler are the smokers?

- LOCATION DETAILS:
  - Is the location overlooking a road?
    - Yes
    - No
  - If yes, indicate the name of the road
  - How busy is the road during sampling?
    - Not busy (very few cars around)
    - Busy at times
    - Busy all the time
    - Extremely busy
    - There are significant times of queuing traffic
    - There is occasional queuing traffic?
    - Traffic moves continually

Please continue on the back of this page
OTHER MICROENVIRONMENT (OME) DESCRIPTION SHEET - INDOOR (Cont)

- How many floors does the location have? 

- On which floor is sampling taking place?
  - [ ] Basement
  - [ ] Ground Floor
  - [ ] First Floor
  - [ ] Second Floor
  - [ ] Third Floor

- Has any of the following been redecorated/redone in the last 12 months?
  - [ ] Carpets/Wood flooring/Laminate
  - [ ] Wallpaper
  - [ ] Painting
  - [ ] Sealants
  - [ ] New furniture

- Are there any solvents, paints, spirits etc. stored in the building?
  - [ ] Yes
  - [ ] No
  
  If yes, please describe what they are and where they are stored in relation to where the sampler is positioned.

- Where has the sampler been placed?

- Has the sampler been placed on the MATCH table provided?
  - [ ] Yes
  - [ ] No
  
  If no, at what height has the sampler being placed?

- Roughly estimate the size of the room the sample has been placed in.

- Have photographs been taken of the sampling location?
  - [ ] Yes
  - [ ] No

- OTHER COMMENTS: Please include a sketch/plan of the location indicating the location of the rooms and the position of the sampler.