



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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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.

APPENDIX 4: MICROENVIRONMENT RELATED FORMS

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

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APPENDIX 4: MICROENVIRONMENT RELATED FORMS

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.