

APPENDIX I

DEC Building Survey and Indoor Air Sampling Questionnaire

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**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUILDING INVENTORY AND INDOOR AIR SAMPLING QUESTIONNAIRE**

This form should be prepared by a person familiar with indoor air assessments with assistance from a person knowledgeable about the building. Complete this form for each building where interior samples (e.g., indoor air, crawl space, or subslab soil gas samples) will be collected. Section I of this form should be used to assist in choosing an investigative strategy during workplan development. Section II should be used to assist in identification of complicating factors during a presampling building walk-through.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No. _____

Purpose of Investigation _____

SECTION I: BUILDING INVENTORY

1. OCCUPANT OR BUILDING PERSONNEL:

Interviewed: Y / N

Last Name _____ First Name _____

Address _____

City _____

Phone No. _____

Number of Occupants/people at this location _____ Age of Occupants _____

2. OWNER or LANDLORD: (Check if same as occupant ____.)

Interviewed: Y / N

Last Name _____ First Name _____

Address _____

City _____

Phone No. _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response.)

Residential
Industrial

School
Church

Commercial/Multi-use
Other _____

If the property is residential, what type? (Circle appropriate response.)

Ranch
Raised Ranch
Cape Cod
Duplex
Modular

2-Family
Split Level
Contemporary
Apartment House
Log Home

3-Family
Colonial
Mobile Home
Townhouse/Condo
Other_____

If multiple units, how many?_____

If the property is commercial, what type?

Business types(s)_____

Does it include residences (i.e., multi-use)? Y / N

If yes, how many?_____

Other characteristics:

Number of floors_____

Building age_____

Is the building insulated? Y / N

How airtight? Tight / Average / Not Tight

Have occupants noticed chemical odors in the building?

Y / N

If yes, please describe:_____

4. AIRFLOW

Use air current tubes, tracer smoke, or knowledge about the building to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow in building near suspected source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply.)

Describe the ventilation system in the building, its condition where visible, and the tightness of duct joints. Indicate the location of air supply and exhaust points on the floor plan.

Is there a radon mitigation system for the building/structure? Y / N Date of Installation_____

Is the system active or passive? Active/Passive

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost never

Level **General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, or storage).**

Basement _____

1st Floor _____

2nd Floor _____

3rd Floor _____

8. WATER AND SEWAGE

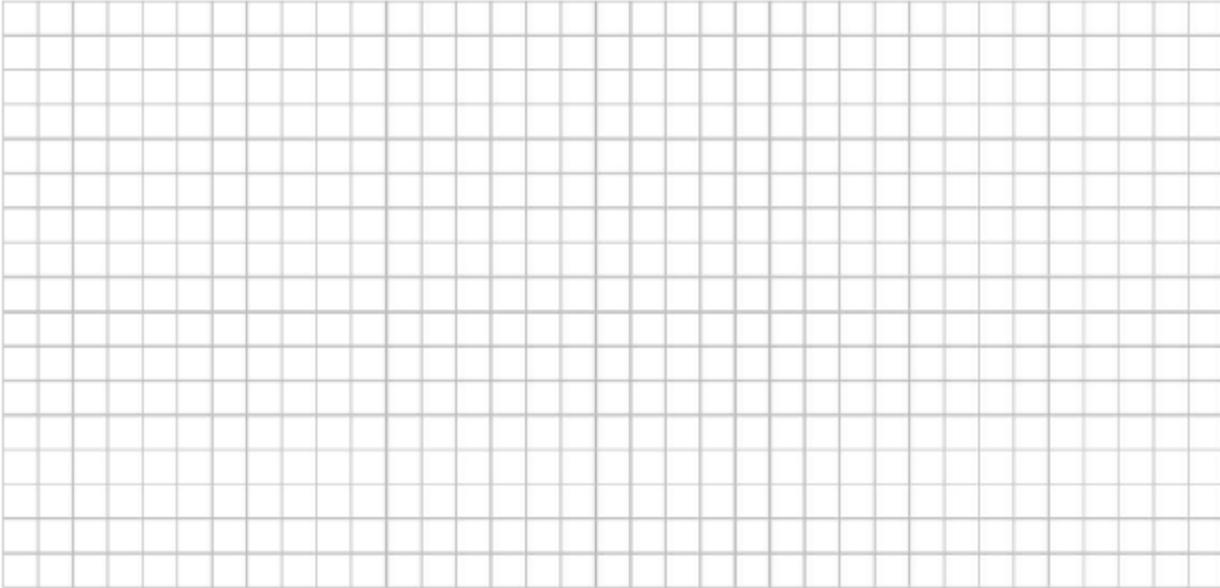
Water supply: Public water Drilled well Driven well Dug well Other_____

Sewage disposal: Public sewer Septic tank Leach field Dry well Other_____

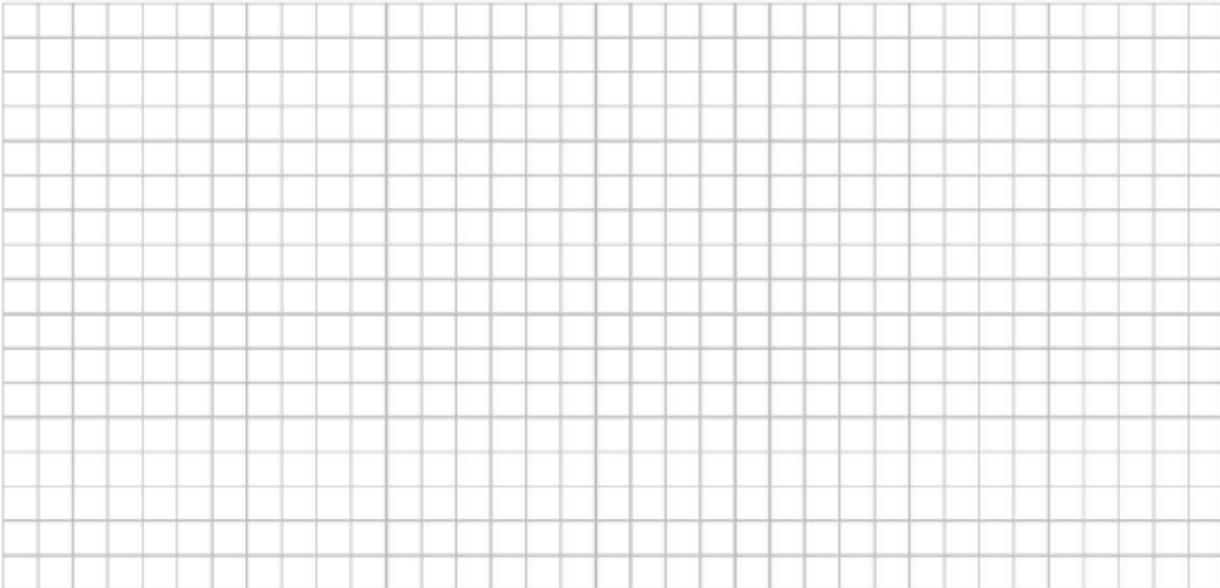
9. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note that.

Basement:



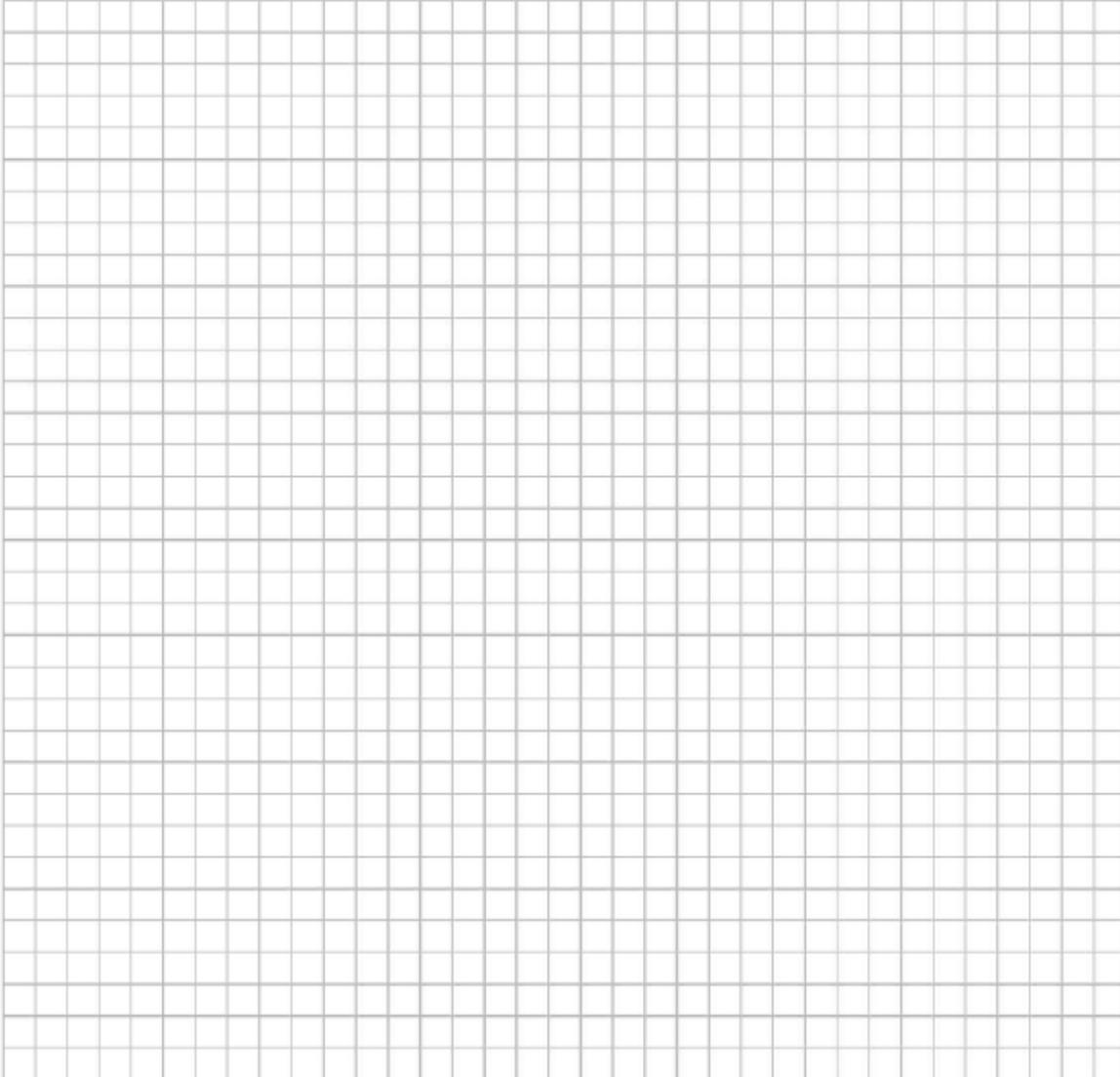
First Floor:



10. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (e.g., industries, gas stations, repair shops, landfills, etc.), outdoor air sampling locations and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the location of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



SECTION II: INDOOR AIR SAMPLING QUESTIONNAIRE

This section should be completed during a presampling walk-through. If indoor air sources of COCs are identified and removed, consider ventilating the building prior to sampling. However, ventilation and heating systems should be operating normally for 24 hours prior to sampling.

a) 1. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- Is there an attached garage?** Y / N
- Does the garage have a separate heating unit?** Y / N / NA
- Are petroleum-powered machines or vehicles stored in the garage** (e.g., lawnmower, ATV, or car) Y / N /NA
Please specify_____
- Has the building ever had a fire?** Y / N When?_____
- Is a kerosene or unvented gas space heater present?** Y / N Where?_____
- Is there a workshop or hobby/craft area?** Y / N Where and type_____
- Is there smoking in the building?** Y / N How frequently?_____
- Has painting/staining been done in the last six months?** Y / N Where and when?_____
- Is there new carpet, drapes or other textiles?** Y / N Where and when?_____
- Is there a kitchen exhaust fan?** Y / N If yes, where is it vented?_____
- Is there a bathroom exhaust fan?** Y / N If yes, where is it vented?_____
- Is there a clothes dryer?** Y / N If yes, is it vented outside? Y / N

Are cleaning products, cosmetic products, or pesticides used that could interfere with indoor air sampling? Y / N

If yes, please describe_____

Do any of the building occupants use solvents at work? Y / N

(For example, is the building used for chemical manufacturing or a laboratory, auto mechanic or auto body shop, painting shop, fuel oil delivery area, or do any of the occupants work as a boiler mechanic, pesticide applicator, or cosmetologist?)

If yes, what types of solvents are used?_____

If yes, are his/her/their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

- Yes, use dry cleaning regularly (weekly) No
- Yes, use dry cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry cleaning services

