

CONTAMINANT GROUP, ENVIRONMENTAL MEDIA, AND ENVIRONMENTAL PATHWAY MODULE (CEEPM)

Reference Questions and Instructions for ATSDR and Health Department Staff Conducting Program Evaluation Activities

Instructions for using the CEEPM reference questions

1. Determine the environmental contaminant, environmental media and exposure pathways of interest.
2. Select all questions or a subset of questions from the appropriate CEEPM module.
3. Create a data collection instrument that includes:
 - a. instructions to the respondent or interviewer,

Standard Instructions to Respondents for the CEEPM	
Interviewer-Administered Surveys	<p>These next items ask about some of the day-to-day activities of you and your household. In the past 6 months please tell me how often you do each one. That is, for each activity, would you say that you “never do this,” “seldom do this,” “sometimes do this,” or “always do this.” Or, would you say you “don’t know” or it is “not applicable.”</p> <p>[Hand respondent correct response card]</p>
Respondent Self-Administered Surveys	<p>These items ask about some of the day-to-day activities of you and members of your household. In the past 6 months please tell me how often you or members of your household generally do each one. That is, for each activity, would you say that you “never do this,” “seldom do this,” “sometimes do this,” or “always do this.” Or, would you say you “don’t know” or it is “not applicable.”</p> <p>1 means “never do this,” 2 means “seldom do this,” 3 means “sometimes do this,” 4 means “always do this”, and 5 means “don’t know or the statement is not applicable to me or members of my household.” Please circle the number that best represents, in the past 6 months, how often you or members of your household generally do each one.</p>

- b. the selected CEEPM questions, and
- c. the standard response matrix for CEEPM questions.

Standard Response Matrix and Response Coding for the CEEPM				
Never Do This	Seldom Do This	Sometimes Do This	Always Do This	Don’t Know/ Not Applicable
1	2	3	4	5

4. The CEEPM-related items in a completed data collection instrument should look like the following example:

These next items ask about some of the day-to-day activities of you and your household. In the past 6 months please tell me how often you do each one. That is, for each activity, would you say that you “never do this,” “seldom do this,” “sometimes do this,” or “always do this.” Or, would you say you “don’t know” or it is “not applicable.”

	Never Do This	Seldom Do This	Sometimes Do This	Always Do This	Don't Know/Not Applicable
1. [Selected question]	1	2	3	4	5
2. [Next selected question]	1	2	3	4	5
3. [Next selected question]	1	2	3	4	5
4. [Next selected question]	1	2	3	4	5
... Etc.	1	2	3	4	5

5. CEEPM items can be combined with items from optional modules such as:
- Demographics
 - Health Related Quality of Life
 - Stress
 - Intention to Change
 - Knowledge and Beliefs

A. ASBESTOS

(note for asbestos - air and soil are the environmental media of concern, and inhalation is the only pathway of concern)

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work during very windy days
2.	Bathe or brush family animals such as cats and dogs
3.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
4.	Clean shoes before entering house
5.	Cover bare soils with grass or mulch
6.	Damp dust home rather than dry dust
7.	Hunt on the site
8.	Keep children from crawling or playing on the floor
9.	Keep children from playing, biking, or doing other activities in areas with asbestos
10.	Keep children from playing, climbing, running, digging, or doing other activities on the site
11.	Keep children from riding ATVs or motorized bikes on the site
12.	Leave windows and doors open
13.	Minimize dust by wetting-down soils before gardening, digging, building, and doing other activities that will disturb the soil
14.	Periodically damp wash children's play areas
15.	Play on the site by climbing, running, digging or other play
16.	Remove shoes before entering home
17.	Use a leaf blower
18.	Use a vacuum with a HEPA filter
19.	Vacuum home once a week or more often with a HEPA vacuum
20.	Walk, jog, or bicycle on the site
21.	Wash children's face, hands, and other exposed skin soon after outdoor play
22.	Wash children's hair after outdoor play
23.	Wash children's face and hands after playing with or petting family animals such as cats and dogs
24.	Wash children's face and hands before they eat or drink
25.	Wash children's toys
26.	Wash dirty clothes soon after wearing outdoors

27.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
28.	Wash hair after outdoor activity such as playing, gardening, yard work, and other outdoor work
29.	Wash work clothes at home
30.	Wear work clothes home
31.	Wet mop home once a week or more often
32.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Soil, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work during very windy days
2.	Bathe or brush family animals such as cats and dogs
3.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
4.	Clean shoes before entering house
5.	Cover bare soils with grass or mulch
6.	Damp dust home rather than dry dust
7.	Hunt on the site
8.	Keep children from crawling or playing on the floor
9.	Keep children from playing in muddy soils
10.	Keep children from playing, biking, or doing other activities in areas with asbestos
11.	Keep children from playing, climbing, running, digging, or doing other activities on the site
12.	Keep children from riding ATVs or motorized bikes on the site
13.	Keep children from thumb sucking and nail biting
14.	Leave windows and doors open
15.	Minimize dust by wetting-down soils before gardening, digging, building, and doing other activities that will disturb the soil
16.	Periodically damp wash children's play areas
17.	Play on the site by climbing, running, digging or other play
18.	Remove shoes before entering home
19.	Use a leaf blower
20.	Use a vacuum with a HEPA filter
21.	Vacuum home once a week or more often with a HEPA vacuum

22.	Walk, jog, or bicycle on the site
23.	Wash children's face, hands, and other exposed skin soon after outdoor play
24.	Wash children's hair after outdoor play
25.	Wash children's face and hands after playing with or petting family animals such as cats and dogs
26.	Wash children's face and hands before they eat or drink
27.	Wash children's toys
28.	Wash dirty clothes soon after wearing outdoors
29.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
30.	Wash hair after outdoor activity such as playing, gardening, yard work, and other outdoor work
31.	Wash work clothes at home
32.	Wear work clothes home
33.	Wet mop home once a week or more often
34.	Work in soil at home through gardening, digging, building, repairing and other outside activities

B. DIOXIN

Media=Air, Pathway=Dermal

No behavioral items

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work when you think there is an air release or burning at the site
2.	Close windows and doors when you think there is an air release or burning at the site
3.	Keep children from biking, playing, or doing other activities in areas of concern
4.	Run air conditioner instead of opening windows and doors
5.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
6.	Use a vacuum with a HEPA filter

Media=Air, Pathway=Oral

No Behavioral Items

Media=Soil, Pathway=Dermal

1.	Keep children from biking, playing, or doing other activities in areas of concern
2.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work

Media=Soil, Pathway=Inhalation

No Behavioral Items

Media=Soil, Pathway=Oral

1.	Damp dust home rather than dry dust
2.	Follow posted signs
3.	Keep children from thumb sucking and nail biting
4.	Periodically damp wash children's play areas
5.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
6.	Use a vacuum with a HEPA filter
7.	Vacuum home once a week or more often
8.	Wash children's face, hands, and other exposed skin soon after outdoor play

9.	Wash children's face and hands before they eat or drink
10.	Wash children's toys
11.	Wash dirty clothes soon after wearing outdoors
12.	Wash fruits and vegetables before eating
13.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
14.	Wet mop home once a week or more often

No Behavioral Items

Media=Water, Pathway=Dermal

1.	Keep children from biking, playing, or doing other activities in areas of concern
2.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work

Media=Water, Pathway=Inhalation

No Behavioral Items

Media=Water, Pathway=Oral

1.	Keep children from biking, playing, or doing other activities in areas of concern
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Media=Biota

1.	Drink milk from local dairies
2.	Eat fruits or vegetables grown in areas of concern
3.	Fish on the site
4.	Follow beef advisories
5.	Follow egg advisories
6.	Follow fish consumption advisories
7.	Follow recommended fish preparation guidelines
8.	Follow shellfish consumption advisories
9.	Hunt on the site
10.	Limit children's fish consumption
11.	Use containers or raised beds for gardening

12.	Follow traditional (subsistence) food selection practices
13.	Follow traditional (subsistence) food preparation customs
14.	Limit children's meat consumption from the area of concern
15.	Limit children's milk consumption from the area of concern
16.	Limit children's fruit and vegetable consumption from the area of concern

C. MERCURY

Media=Air, Pathway=Dermal

1.	Wear gloves when working in soil doing gardening, digging, building, and other activities
2.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work when you think there is an air release or burning at the site
2.	Close windows and doors when you think there is an air release or burning at the site
3.	Leave windows and doors open
4.	Leave windows and doors open on windy days
5.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)

Media=Air, Pathway=Oral

No Behavioral Items

Media=Soil, Pathway=Dermal

No Behavioral Items

Media=Soil, Pathway=Inhalation

No Behavioral Items

Media=Soil, Pathway=Oral

1.	Keep children from crawling or playing on the floor
2.	Remove shoes before entering home
3.	Vacuum home once a week or more often
4.	Wash dirty clothes soon after wearing outdoors
5.	Wash fruits and vegetables before eating
6.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work

Media=Water, Pathway=Dermal

No Behavioral Items

Media=Water, Pathway=Inhalation

No Behavioral Items

Media=Water, Pathway=Oral

No Behavioral Items

Media=Biota

1.	Fish on the site
2.	Follow fish consumption advisories
3.	Follow recommended fish preparation guidelines
4.	Follow shellfish consumption advisories
5.	Select fish lower in mercury
6.	Limit tuna consumption
7.	Follow traditional (subsistence) food selection practices
8.	Follow traditional (subsistence) food preparation customs

D. METALS

Media=Air, Pathway=Dermal

No Behavioral Items

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work when you think there is an air release or burning at the site
2.	Close windows and doors when you think there is an air release or burning at the site
3.	Follow posted signs
4.	Keep children from biking, playing, or doing other activities in areas of concern
5.	Keep children from playing, climbing, running, digging, or doing other activities on the site
6.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
7.	Vacuum home once a week or more often
8.	Walk, jog, or bicycle on the site

Media=Air, Pathway=Oral

No Behavioral Items

Media=Soil, Pathway=Dermal

1.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
2.	Clean shoes before entering house
3.	Follow posted signs
4.	Keep children from biking, playing, or doing other activities in areas of concern
5.	Keep children from crawling or playing on the floor
6.	Keep children from playing, climbing, running, digging, or doing other activities on the site
7.	Keep children from riding ATVs or motorized bikes on the site
8.	Keep children from walking or bicycling on the site
9.	Periodically damp wash children's play areas
10.	Remove shoes before entering home
11.	Use a vacuum with a HEPA filter
12.	Walk, jog, or bicycle on the site

13.	Wash children's face, hands, and other exposed skin soon after outdoor play
14.	Wash children's toys
15.	Wash dirty clothes soon after wearing outdoors
16.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
17.	Wash work clothes at home
18.	Wash work clothing separate from household clothing
19.	Wear gloves when working in soil doing gardening, digging, building, and other activities
20.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work
21.	Wear work clothes home
22.	Wet mop home once a week or more often
23.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Soil, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work during very windy days
2.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
3.	Clean shoes before entering house
4.	Damp dust home rather than dry dust
5.	Follow posted signs
6.	Keep children from biking, playing, or doing other activities in areas of concern
7.	Keep children from crawling or playing on the floor
8.	Keep children from playing, climbing, running, digging, or doing other activities on the site
9.	Keep children from riding ATVs or motorized bikes on the site
10.	Keep children from walking or bicycling on the site
11.	Periodically damp wash children's play areas
12.	Remove shoes before entering home
13.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
14.	Use a vacuum with a HEPA filter
15.	Vacuum home once a week or more often
16.	Walk, jog, or bicycle on the site

17.	Wash children's toys
18.	Wash dirty clothes soon after wearing outdoors
19.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
20.	Wash work clothes at home
21.	Wash work clothing separate from household clothing
22.	Wear work clothes home
23.	Wet mop home once a week or more often
24.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Soil, Pathway=Oral

1.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
2.	Clean shoes before entering house
3.	Follow posted signs
4.	Keep children from biking, playing, or doing other activities in areas of concern
5.	Keep children from crawling or playing on the floor
6.	Keep children from playing, climbing, running, digging, or doing other activities on the site
7.	Keep children from riding ATVs or motorized bikes on the site
8.	Keep children from thumb sucking and nail biting
9.	Keep children from walking or bicycling on the site
10.	Periodically damp wash children's play areas
11.	Remove shoes before entering home
12.	Use a vacuum with a HEPA filter
13.	Walk, jog, or bicycle on the site
14.	Wash children's face, hands, and other exposed skin soon after outdoor play
15.	Wash children's face and hands before they eat or drink
16.	Wash children's toys
17.	Wash dirty clothes soon after wearing outdoors
18.	Wash fruits and vegetables before eating
19.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
20.	Wash work clothes at home

21.	Wear work clothes home
22.	Wet mop home once a week or more often
23.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Water, Pathway=Dermal

No Behavioral Items

Media=Water, Pathway=Inhalation

1.	Regularly replace and maintain water filters following recommended manufacturers instructions
2.	Test well water for metals
3.	Use a water filter on your private well
4.	Use well water in your home for bathing, brushing teeth, and other activities

Media=Water, Pathway=Oral

1.	Drink bottled water
2.	Drink unfiltered water from creeks, streams, or rivers
3.	Follow drinking water advisories
4.	Follow posted signs
5.	Regularly replace and maintain water filters following recommended manufacturers instructions
6.	Test well water for metals
7.	Use a water filter on your private well
8.	Use well water in your home for bathing, brushing teeth, and other activities

Metals, Media=Biota

1.	Follow fish consumption advisories
2.	Follow recommended fish preparation guidelines
3.	Follow shellfish consumption advisories
4.	Use containers or raised beds for gardening
5.	Wash fruits and vegetables before eating
6.	Peel root vegetables before eating
7.	Follow traditional (subsistence) food selection practices

8. Follow traditional (subsistence) food preparation customs

E. PAHS

Media=Air, Pathway=Dermal

1.	Follow posted signs
2.	Keep children from biking, playing, or doing other activities in areas of concern
3.	Keep children from playing, climbing, running, digging, or doing other activities on the site
4.	Keep children from riding ATVs or motorized bikes on the site
5.	Keep children from walking or bicycling on the site
6.	Play on the site by climbing, running, digging or other play
7.	Ride ATVs or motorized bikes on the site
8.	Wash children's face, hands, and other exposed skin soon after outdoor play

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work when you think there is an air release or burning at the site
2.	Avoid outdoor activity such as working, playing, gardening, and yard work during very windy days
3.	Close windows and doors when you think there is an air release or burning at the site
4.	Follow posted signs
5.	Keep children from biking, playing, or doing other activities in areas of concern
6.	Keep children from playing, climbing, running, digging, or doing other activities on the site
7.	Keep children from riding ATVs or motorized bikes on the site
8.	Keep children from walking or bicycling on the site
9.	Leave windows and doors open
10.	Play on the site by climbing, running, digging or other play
11.	Ride ATVs or motorized bikes on the site
12.	Run air conditioner instead of opening windows and doors
13.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
14.	Use a vacuum with a HEPA filter
15.	Wash children's face and hands after playing with or petting family animals such as cats and dogs

Media=Air, Pathway=Oral

No Behavioral Items

Media=Soil, Pathway=Dermal

1.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
2.	Follow posted signs
3.	Keep children from biking, playing, or doing other activities in areas of concern
4.	Keep children from playing, climbing, running, digging, or doing other activities on the site
5.	Keep children from riding ATVs or motorized bikes on the site
6.	Keep children from walking or bicycling on the site
7.	Play on the site by climbing, running, digging or other play
8.	Ride ATVs or motorized bikes on the site
9.	Wash children's face, hands, and other exposed skin soon after outdoor play
10.	Wash children's face and hands after playing with or petting family animals such as cats and dogs
11.	Wash dirty clothes soon after wearing outdoors
12.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
13.	Wear gloves when working in soil doing gardening, digging, building, and other activities
14.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work
15.	Wet mop home once a week or more often
16.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Soil, Pathway=Inhalation

No Behavioral Items

Media=Soil, Pathway=Oral

1.	Wash children's face and hands before they eat or drink
2.	Wash children's toys
3.	Keep children from thumb sucking and nail biting
4.	Wash fruits and vegetables before eating

Media=Water, Pathway=Dermal

1.	Follow posted signs
2.	Follow water use advisories
3.	Keep children from biking, playing, or doing other activities in areas of concern
4.	Keep children from playing in water from an outdoor hose such as with a sprinkler or slip and slide
5.	Keep children from playing, climbing, running, digging, or doing other activities on the site
6.	Keep children from walking or bicycling on the site
7.	Play on the site by climbing, running, digging or other play
8.	Shower in unfiltered or untreated water
9.	Swim in local creeks, streams, rivers, ponds, or lakes
10.	Swim in nearby creeks, streams, or rivers
11.	Use a water filter on your private well
12.	Use water filter(s)
13.	Use well water in your home for bathing, brushing teeth, and other activities
14.	Wash children's face, hands, and other exposed skin soon after outdoor play

Media=Water, Pathway=Inhalation

No Behavioral Items

Media=Water, Pathway=Oral

1.	Follow posted signs
2.	Swim in nearby creeks, streams, or rivers
3.	Drink bottled water
4.	Drink unfiltered water from creeks, streams, or rivers
5.	Drink tap water from area of concern
6.	Drink water from outdoor hose
7.	Follow drinking water advisories
8.	Follow water use advisories
9.	Keep children from biking, playing, or doing other activities in areas of concern
10.	Keep children from drinking water from outdoor hose
11.	Keep children from playing in water from an outdoor hose such as with a sprinkler or slip and slide

12.	Keep children from playing, climbing, running, digging, or doing other activities on the site
13.	Keep children from walking or bicycling on the site
14.	Play on the site by climbing, running, digging or other play
15.	Regularly replace and maintain water filters following recommended manufacturers instructions
16.	Shower in unfiltered or untreated water
17.	Swim in local creeks, streams, rivers, ponds, or lakes
18.	Use a water filter on your private well
19.	Use well water in your home for bathing, brushing teeth, and other activities
20.	Use water filter(s)

Media=Biota

1.	Drink milk from local dairies
2.	Eat fruits or vegetables grown in areas of concern
3.	Follow beef advisories
4.	Follow fish consumption advisories
5.	Follow recommended fish preparation guidelines
6.	Follow shellfish consumption advisories
7.	Hunt on the site
8.	Limit children's fish consumption
9.	Follow traditional (subsistence) food selection practices
10.	Follow traditional (subsistence) food preparation customs

F. PCBS

Media = Air, Pathway = Dermal

No behavioral items

Media=Air, Pathway=Inhalation

1.	Avoid outdoor activity such as working, playing, gardening, and yard work when you think there is an air release or burning at the site
2.	Close windows and doors when you think there is an air release or burning at the site
3.	Follow posted signs

Media=Air, Pathway=Oral

No behavioral items

Media=Soil, Pathway=Dermal

1.	Follow posted signs
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Media=Soil, Pathway=Inhalation

1.	Damp dust home rather than dry dust
2.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)

Media=Soil, Pathway=Oral

1.	Damp dust home rather than dry dust
2.	Follow posted signs
3.	Keep children from thumb sucking and nail biting
4.	Periodically damp wash children's play areas
5.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
6.	Use a vacuum with a HEPA filter
7.	Vacuum home once a week or more often
8.	Wash children's face, hands, and other exposed skin soon after outdoor play
9.	Wash children's face and hands before they eat or drink
10.	Wash children's toys
11.	Wash dirty clothes soon after wearing outdoors

12.	Wash fruits and vegetables before eating
13.	Wash hands, face, and other exposed skin soon after outdoor activity such as playing, gardening, yard work, and other outdoor work
14.	Wet mop home once a week or more often
15.	Keep children from biking, playing, or doing other activities in areas of concern
16.	Keep children from crawling or playing on the floor
17.	Keep children from playing, climbing, running, digging, or doing other activities on the site
18.	Keep children from riding ATVs or motorized bikes on the site
19.	Keep children from walking or bicycling on the site
20.	Play on the site by climbing, running, digging or other play
21.	Remove shoes before entering home
22.	Ride ATVs or motorized bikes on the site
23.	Wear gloves when working in soil doing gardening, digging, building, or other activities
24.	Work in soil at home through gardening, digging, building, repairing, and other outside activities

Media=Water, Pathway=Dermal

No behavioral items

Media=Water, Pathway=Inhalation

No behavioral items

Media=Water, Pathway=Oral

1.	Drink unfiltered water from creeks, streams, or rivers
2.	Follow posted signs
3.	Swim in nearby creeks, streams, or rivers

Media=Biota

1.	Hunt on the site
2.	Fish on the site
3.	Eat fruits or vegetables grown in areas of concern
4.	Follow beef advisories
5.	Follow recommended fish preparation guidelines

6.	Follow shellfish consumption advisories
7.	Limit children's fish consumption
8.	Follow traditional (subsistence) food selection practices
9.	Follow traditional (subsistence) food preparation customs
10.	Follow fish consumption advisories
11.	Wash fruits and vegetables before eating
12.	Peel root vegetables before eating

G. VOLATILES

Media=Air, Pathway= Dermal

1.	Keep children from biking, playing, or doing other activities in areas of concern
2.	Keep children from playing, climbing, running, digging, or doing other activities on the site
3.	Keep children from riding ATVs or motorized bikes on the site
4.	Keep children from walking or bicycling on the site
5.	Play on the site by climbing, running, digging or other play
6.	Ride ATVs or motorized bikes on the site
7.	Walk, jog, or bicycle on the site
8.	Wash children's face, hands, and other exposed skin soon after outdoor play
9.	Wash dirty clothes soon after wearing outdoors
10.	Wash work clothing separate from household clothing
11.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work
12.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Air, Pathway=Inhalation

1.	Keep children from biking, playing, or doing other activities in areas of concern
2.	Keep children from playing in water from an outdoor hose such as with a sprinkler or slip and slide
3.	Keep children from playing, climbing, running, digging, or doing other activities on the site
4.	Keep children from riding ATVs or motorized bikes on the site
5.	Keep children from walking or bicycling on the site
6.	Leave windows and doors open
7.	Leave windows and doors open on windy days
8.	Limit exposure to steam in your home from such things as a dishwasher, boiling water, or hot tub
9.	Limit time showering and bathing
10.	Play on the site by climbing, running, digging or other play
11.	Regularly replace and maintain water filters following recommended manufacturers instructions
12.	Ride ATVs or motorized bikes on the site

13.	Open bathroom window when showering or bathing
14.	Run bathroom fan when showering or bathing
15.	Shower and bathe in cooler water
16.	Shower in unfiltered or untreated water
17.	Use a vacuum with a bag (not a bagless vacuum, shop vac, or steam cleaner)
18.	Walk, jog, or bicycle on the site
19.	Wash work clothing separate from household clothing
20.	Work in soil at home through gardening, digging, building, repairing and other outside activities
21.	Follow recommended ventilation practices
22.	Use a water filter on your private well
23.	Use water filter(s)
24.	Use well water in your home for bathing, brushing teeth, and other activities

Media=Air, Pathway=Oral

No Behavioral Items

Media=Soil, Pathway= Dermal

1.	Bathe or brush family animals such as cats and dogs
2.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
3.	Clean shoes before entering house
4.	Keep children from biking, playing, or doing other activities in areas of concern
5.	Keep children from playing in muddy soils
6.	Keep children from playing, climbing, running, digging, or doing other activities on the site
7.	Keep children from riding ATVs or motorized bikes on the site
8.	Keep children from thumb sucking and nail biting
9.	Keep children from walking or bicycling on the site
10.	Play on the site by climbing, running, digging or other play
11.	Remove shoes before entering home
12.	Ride ATVs or motorized bikes on the site
13.	Vacuum home once a week or more often
14.	Walk, jog, or bicycle on the site
15.	Wash children's face, hands, and other exposed skin soon after outdoor play

16.	Wash children's face and hands after playing with or petting family animals such as cats and dogs
17.	Wash children's face and hands before they eat or drink
18.	Wash children's toys
19.	Wash dirty clothes soon after wearing outdoors
20.	Wash fruits and vegetables before eating
21.	Wash work clothes at home
22.	Wash work clothing separate from household clothing
23.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work
24.	Wet mop home once a week or more often
25.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Soil, Pathway= Inhalation

No Behavioral Items

Media=Soil, Pathway=Oral

1.	Bathe or brush family animals such as cats and dogs
2.	Keep children from biking, playing, or doing other activities in areas of concern
3.	Keep children from thumb sucking and nail biting
4.	Wash children's face and hands after playing with or petting family animals such as cats and dogs
5.	Wash children's face and hands before they eat or drink
6.	Wash children's toys

Media=Water, Pathway= Dermal

1.	Change clothes soon after outdoor activity such as working, playing, gardening, and yard work
2.	Fill pool with unfiltered water
3.	Follow drinking water advisories
4.	Follow water use advisories
5.	Keep children from biking, playing, or doing other activities in areas of concern
6.	Keep children from playing in muddy soils
7.	Keep children from playing in water from an outdoor hose such as with a sprinkler or

	slip and slide
8.	Keep children from playing, climbing, running, digging, or doing other activities on the site
9.	Play on the site by climbing, running, digging or other play
10.	Regularly replace and maintain water filters following recommended manufacturers instructions
11.	Run tap water for a few minutes before using the water for drinking, food preparation, showering, etc
12.	Shower in unfiltered or untreated water
13.	Swim in local creeks, streams, rivers, ponds, or lakes
14.	Swim in nearby creeks, streams, or rivers
15.	Use a water filter on your private well
16.	Use outdoor hose for watering plant, car washing, and other outdoor uses
17.	Use water filter(s)
18.	Use well water in your home for bathing, brushing teeth, and other activities
19.	Walk, jog, or bicycle on the site
20.	Wash children's face, hands, and other exposed skin soon after outdoor play
21.	Wash children's face and hands before they eat or drink
22.	Wash dirty clothes soon after wearing outdoors
23.	Wash work clothes at home
24.	Wear long sleeves and pants during outdoor activity such as playing, gardening, yard work, and other outdoor work
25.	Work in soil at home through gardening, digging, building, repairing and other outside activities

Media=Water, Pathway= Inhalation

1.	Limit time in hot tub
2.	Limit exposure to steam in your home from such things as a dishwasher, boiling water, or hot tub
3.	Follow water use advisories
4.	Limit time showering and bathing
5.	Regularly replace and maintain water filters following recommended manufacturers instructions
6.	Shower in unfiltered or untreated water
7.	Swim in local creeks, streams, rivers, ponds, or lakes
8.	Use water filters

9. Use well water in your home for bathing, brushing teeth, and other activities
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Media=Water, Pathway=Oral

1. Wash children's face and hands before they eat or drink
2. Mix commercial baby formula using tap water
3. Swim in nearby creeks, streams, or rivers
4. Drink bottled water
5. Drink unfiltered water from creeks, streams, or rivers
6. Drink tap water from area of concern
7. Drink water from outdoor hose
8. Fill pool with unfiltered water
9. Follow drinking water advisories
10. Follow water use advisories
11. Keep children from biking, playing, or doing other activities in areas of concern
12. Keep children from drinking water from outdoor hose
13. Keep children from playing in water from an outdoor hose such as with a sprinkler or slip and slide
14. Keep children from playing, climbing, running, digging, or doing other activities on the site
15. Keep children from swallowing pool water
16. Play on the site by climbing, running, digging or other play
17. Regularly replace and maintain water filters following recommended manufacturers instructions
18. Shower in unfiltered or untreated water
19. Swim in local creeks, streams, rivers, ponds, or lakes
20. Use a water filter on your private well
21. Use well water in your home for bathing, brushing teeth, and other activities
22. Use outdoor hose for watering plant, car washing, and other outdoor uses
23. Use water filter(s)
24. Run tap water for a few minutes before using the water for drinking, food preparation, showering, etc

Media=Biota

No Behavioral Items

