

Environmental Protection Agency

Usability Audit Review Content and Navigation: Mold

Susan Lindstrom Usability Analyst December 2017

Property of ForeSee - Proprietary & Confidential



Agenda

- > Overview of Usability Audit Review
- Top Usability Issues
- Key Findings



ForeSee Usability Process

- Audit
- Analysis
- Independent Evaluation
- Target Customer Needs and Expectations



Usability Indicators

- Individual Application
- Pass/Fail Metric
- Measures Specific Aspect of Usability
- Proprietary to ForeSee
- Website Analysis and External Research
- Best Practice



Scope and Specifications



- December 2017
- 1366 x 768
- Iterative Evaluation

This audit examines content and navigation within the EPA Mold category to evaluate the organization and categorization of information, the intuitiveness of navigation, and how clearly labeling communicates the nature of content and its structure. Specifically, this audit seeks to answer three questions:

- · How well does the section present the most important facts about Mold?
- · What factors prevent visitors from finding desired content?
- · How well does the FAQ section present this key content?



Agenda

- Overview of Usability Audit Review
- > Top Usability Issues
- Key Findings



Top Usability Issues

- Home and Landing Pages
- Local Navigation
- Orientation
- Access to Publications
- Readability
- Navigation in Frequent Questions
- Adequate Linkage
- Expected Location
- Image Gallery
- Print and Email

This report contains notes regarding alternative solutions and recommendations discussed during the presentation on December 5, 2017



Home and Landing Pages



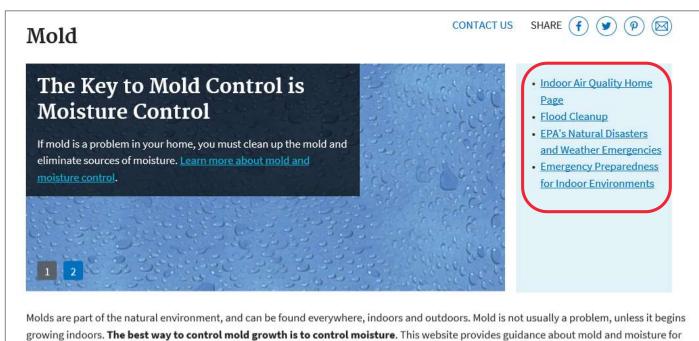
Links on Mold Home lead to other categories

The Mold homepage prominently displays links to related content in other sections of EPA.gov. The two goals of the home and landing pages are to showcase what visitors can accomplish and learn within a section of a site and to provide efficient navigation to inner pages. The presence of a prominent group of links which lead outside the Mold category dilutes the clear message of what can be accomplished and hinders navigation within the current section.

While providing useful links to related information can be helpful, the lack of a heading to identify them as links to related information creates disorientation when visitors click them.

Recommendations:

- Relocate links to related content to a less prominent location on Mold home.
- Provide a heading for the group which indicates that they are related links.



homes, schools, multifamily and commercial buildings. Molds can have a big impact on indoor air quality.

Basic Information

Homes



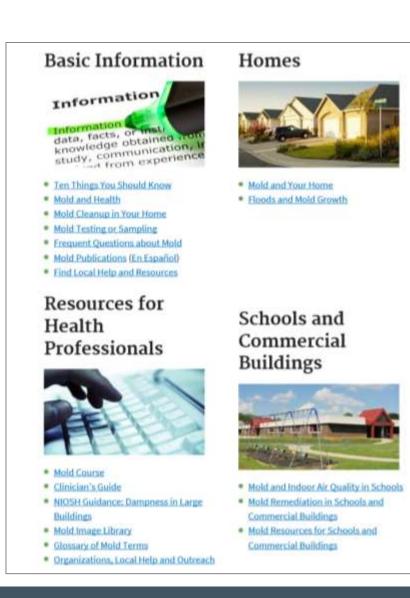




Scope notes are missing from the Mold homepage

While the Mold homepage provides linkage to subcategory pages and content pages, the site fails to make use of scope notes on this page to help visitors gain a better understanding of the content and features available within each subcategory. For example, visitors may be uncertain whether to begin their research on the Basic Information page or the Homes page. Without scope notes, visitors are forced to visit each link to discover what content is available there. Depending on the nature of the link or links they are describing, scope notes can range in length from a short phrase to a few sentences.

Recommendation: Include scope notes on the Mold homepage.



Mold House



Take the interaction Mold Human line; or view the Tast Ymsjon-



FORESEE

Mold growing in a Petri-dish.

Issue 1: Home and Landing Pages

Landing pages lack introductory content

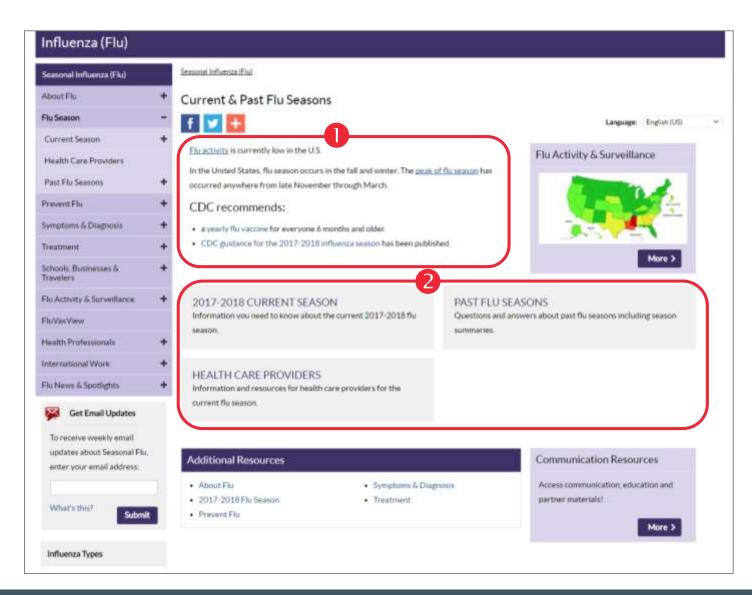
Similarly, landing pages for subcategories within Mold should provide an introduction to the content of the section and scope notes indicating the content represented by the links. Since visitors have already clicked once to arrive at this page, they should not be forced to click into each link to understand which page has the information they seek.

Recommendation: Ensure subcategory landing pages provide an adequate overview and description of the content found within that subcategory.

Indoor Air Quality Home Page	Basic Inform	mation			
Mold Home					
Flood Cleanup	 Ten Things You Should Know I Mold and Health 	About Mold			
Mold Besics	Mold Cleanup				
Ten Things You Should Room About Mold	 Mold Testing or Sampling Indoor Air Regulations and 	Mold			
Mold and Health	 Encount Questions about Mo 	hd:			
Mold Cleanup	 Mold Publications Find Local Help and Resource: 				
Hold Testing and Sampling	· Mold Image Gallery				
Frequent Questions about Hold	Glossary of Mold Terms				
Muld Publications	More informati	ion for Homes,	Large Buildings,		
Schools and Commercial Buildings	and Schools.		5 /		
Environmental and Public Health Professionals	Mold and Your Home Large Buildings and Mold				
Interactive Mold House	 Schools and Mold and Indoo 	11.12.W123251227077	-CS-00202000 - 22 - 12 - 12 - 12 - 12 - 12	(19) (1) (1) (1) (1)	00.55
Related Topics	<u>Contact Us</u> to ask a question, pr	Indoor Air Quality Home Page	Mold in Sch	ools and Commercia	al
		Mold Home	Buildings		
		Flood Cleanup	buildings		
		Mold Basics	Mold and Indoor Air Quality in 5	ichools	
		Ten Things You Should Know About Meld	Mold Remediation in Schoola and Commercial Buildings Resources about Mold and Large Buildings Gontact Us to ask a question, provide feedback, or report a problem.		
		Mold and Health		de facthe de seconde a contribuir	
		Muld Cleanup		the restrance, or report a problem.	
		Mold Testing and Sampling			
		Traquent Questions about Mold			
		Mold Publications			
		Schools and Commercial Buildings			
		Environmental and Public Health Professionals			
		Interactive Mold House			



Best practice: Subcategory landing pages



This site's landing page for Flu Season effectively showcases what visitors can accomplish and learn by providing overview text **1** and scope notes for each subcategory **2**. Visitors are able to quickly scan the centerwell and locate information that is relevant without the need to visit each topic page.





Home and Landing Pages

Recommendations

- Relocate links to related content to a less prominent location on Mold home.
- Provide a heading identifying groups of related links.
- Include scope notes on the Mold homepage.
- Ensure subcategory landing pages provide an adequate overview of the content found within that subcategory.



Local Navigation



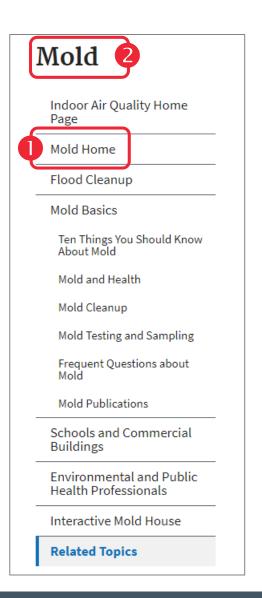
Current category is unclear

The Mold category does not provide visitors with an efficient local navigation scheme which provides an accurate hierarchical layering of the Mold content. As shown, navigation menus with in the category display Mold Home **1** as an item within the menu. As indicated by the menu heading **2**, the Mold homepage is the top-level page within the category. The repetition of the label within the menu deprives visitors of an accurate understanding of the category structure. To avoid confusion and support intuitive navigation, this label should not be repeated within the category navigation. Instead, the menu heading should be linked to the Mold homepage.

Recommendations:

- Remove the Mold Home link from the local navigation menu.
- Link the menu heading, Mold, to the Mold homepage.

Discussion Note: The Mold Home link may be retained if it is displayed at the head of the menu, indicating that Mold is the top-level page in the section.



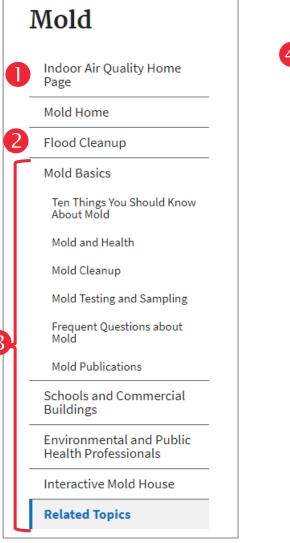


Local menu links to content outside the current category

Next, the navigation menu contains two links to content that does not belong to the category. As shown, links to the Indoor Air Quality Home Page **1** and Flood Cleanup **2** are presented with other subcategories of the Mold section **3**. Yet, as shown on the Indoor Air Quality homepage **4**, Flood Cleanup and Mold appear to be separate subcategories, or topics, within IAQ **5**. To support intuitive navigation within the subcategory, the site must avoid interposing linkage to related content in the local navigation.

Recommendation: Avoid presenting links to pages that are outside the current subcategory in the local navigation.

Discussion Note: Removing the links to Indoor Air Quality Home Page and Flood Cleanup, as recommended, will align with the topical focus of EPA.gov. However, these links, and links to other IAQ pages, can be displayed in a sidebar throughout the section which may achieve IAQ's goals of identifying their content within the site.



Learn about IAQ





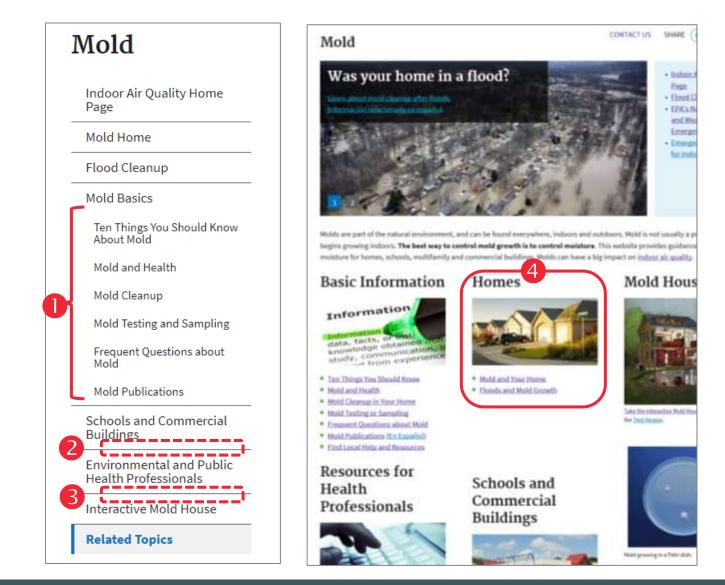


Some content is not available through the menu

Although the local navigation menu provides access to pages within the Mold Basics subcategory ①, no linkage is provided to pages in the Schools and Commercial Buildings ② and Environmental and Public Health Professionals ③ subcategories. Also, content for homeowners in the Homes subcategory ④ is missing from the local navigation menu. As a result, navigation to these pages is less efficient and there is a risk visitors may fail to find relevant content in these sections.

Recommendations:

- Include all subpages in the navigation menu.
- Consider displaying subpages for the current subcategory only.



Local Navigation

Recommendations

- Remove the Mold Home link from the local navigation menu.
- Link the menu heading, Mold, to the Mold homepage.
- Avoid presenting links to pages that are outside the current subcategory in the local navigation.
- Include all subpages in the navigation menu.
- Consider displaying subpages for the current subcategory only.



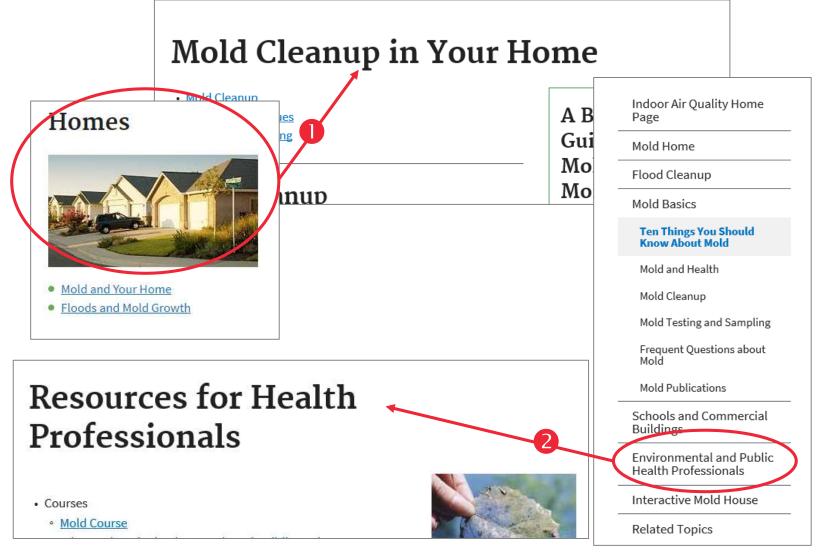
Orientation



Link labels do not consistently match page headings

The Mold category does not ensure link labels and corresponding page headings have a one-to-one match to orient visitors and reassure them they have accessed the correct page. For example, when visitors click Homes, on the Mold Home page, they are taken to a page with the heading of Mold Cleanup in Your Home **1**. Likewise, clicking on Environmental and Public Health Professionals in the local navigation menu **2** returns a page with the heading Resources for Health Professionals. Visitors can be momentarily confused by the difference in labeling. Unless there is a compelling reason, the site should ensure page headings exactly match the labels of links visitors clicked.

Recommendation: Ensure link labels and corresponding page headings have a one-to-one match.

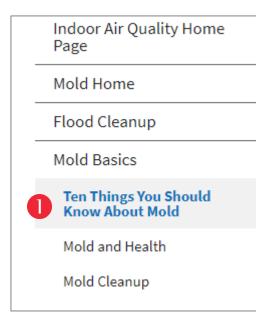


FORESEE

Menu does not always indicate the current category

The site adheres to best practice by indicating the location of the current page by changing the text color and providing a background color for the associated item in the navigation menu **1**. However, this orientation cue is missing for pages that are not included in the menu **2**. Thus, visitors to these pages have more difficulty identifying related pages and returning to these pages.

Recommendation: Indicate the location of the current page by highlighting both the subcategory label and the link to the associated item in the navigation menu.



Mold

Indoor Air Quality Home Page Mold Home Flood Cleanup Mold Basics

> Ten Things You Should Know About Mold

Mold and Health

Mold Cleanup

Mold Testing and Sampling

Frequent Questions about Mold

Mold Publications

Schools and Commercial Buildings

Environmental and Public Health Professionals

Interactive Mold House

Related Topics

Mold and Indoor Air Quality in Schools

CONTACT US

SHARE

The Agency's premier resource on this issue is the Indoor Air Quality Tools for Schools kit. Our schools-related resources on the web start with <u>Creating Healthy Indoor Environments in Schools</u>.

The asthma companion piece for the IAQ Tools for Schools Action kit, is Managing Asthma in the School Environment. This publication has a section entitled Clean Up Mold and Moisture Control. See Managing Asthma in the School Environment. An excerpt follows:

Mold and Moisture in Schools Webinar

(P)

(🖂)

7

Mold and Moisture: Double Trouble for Schools Recorded on: January 22, 2015

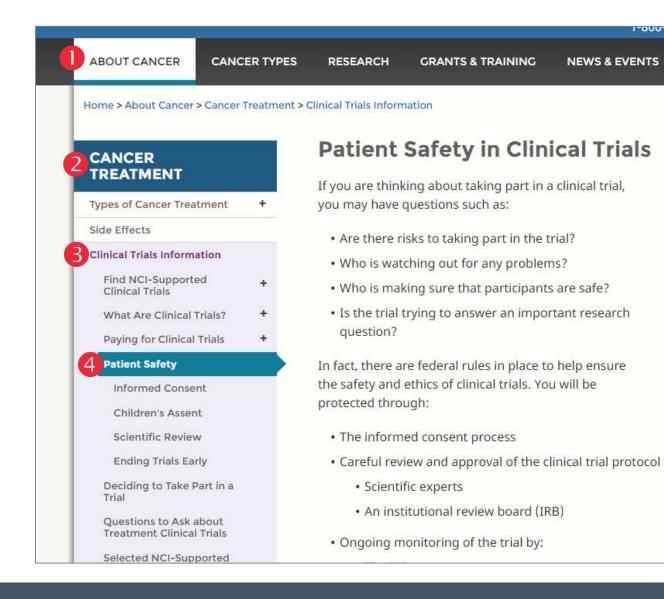
Common Moisture Sources Found in Schools

Moisture problems in school buildings can be caused by a variety of conditions, including roof and plumbing leaks, condensation and excess humidity. Some moisture problems in schools have been linked to changes in building construction practices during the past twenty to thirty years. These changes have resulted in more tightly sealed buildings that may not allow moisture to escape easily. Moisture problems in schools are also associated with delayed maintenance or insufficient maintenance, due to budget and other constraints. Temporary structures in schools, such as trailers and portable classrooms, have frequently been associated with moisture and mold problems.

Suggestions for Reducing Mold Growth in Schools



Best practice: Indicating location in navigation menu



In this example, a site aids orientation by highlighting the location at each level of the hierarchy **1 2 3** down to the current page **4**.



Orientation

Recommendations

- Ensure link labels and corresponding page headings have a one-to-one match.
- Indicate location of the current page by highlighting the associated item in the navigation menu.



Access to Publications



Labeling is unclear for links to publications (1 of 2)

The Mold section accommodates the preferences of visitors by providing some publications in both HTML and printable PDF formats. However, some links to the HTML pages are indistinguishable from those which lead to the PDF versions. For example, this link to A Brief Guide to Mold, Moisture and Your Home 1 appears to link to a printable or downloadable file due to the section heading 2 which indicates the section includes publications, the thumbnail image 3 and file size and date information 3. Yet, the link opens a web page. Visitors who want to print or download must click a second link to access the file 5.

Recommendation: Provide links to both the HTML and PDF versions of content.

2 Mold Publications for Homes The EPA publication, "A Brief Guide to Mold, Moisture, and Your Home," provides information and guidance for homeowners and renters on how to clean up residential mold problems and how to prevent mold growth. A Brief Guide to Mold Moisture and Your Home (20 pp, 1 MB, September 2010) A Brief Guide to Mold, Moisture and Your Home You will need Adobe Reader to view some page. See EPA's About PDF page to learn Please click on the boxes to the right to view the chapters of the "Brief Guide Overview to Mold, Moisture and Your Hame." Mold Basics Overview Mold Cleanup This Guide provides information and guidance for homeowners and renters. Mold Cleanup on how to clean up residential mold problems and how to prevent mold **Guidelines** growth. The content on these web pages is based on EPA's publication "A Brief Guide to Mold, Moisture and Your Home." Updates have been made to What to Wear When Cleaning Moldy Areas



is the Cleanup

Labeling is unclear for links to publications (2 of 2)

The Publications about Mold page provides side-by-side links to HTML and PDF versions of publications. However, the link labels are not sufficiently differentiated, and require visitors to read the labels and infer that the print version is the PDF. This risks that visitors may waste time and effort opening a file.

Additionally, these links lack information regarding the size of the files for print and download.

Recommendations:

- Add an icon or explicit label to identify links to HTML and PDF content when both formats are available.
- Indicate the file size in terms of number of pages and memory requirements.

EPA Resources about Mold



The publication, *A Brief Guide to Mold, Moisture, and Your Home*, is available in HTML and PDF.

- A Brief Guide to Mold, Moisture, and Your Home
 [EPA 402-K-02-003] reprinted September 2012
- Print Version of A Brief Guide to Mold, Moisture, and Your Home
 [EPA 402-K-02-003] reprinted September 2012



The publication, *Mold Remediation in Schools and Commercial Buildings*, is available in HTML and PDF.

- Mold Remediation in Schools and Commercial Buildings
 [EPA 402-K-01-001] reprinted September 2008
- Print Version of Mold Remediation in Schools and Commercial Buildings
 [EPA 402-K-01-001] reprinted September 2008





Best practice: Identifying file types

Home Buyer's and Seller's Guide to Radon

This guide answers important questions about radon and lung cancer risk. It also answers questions about testing and fixing for anyone buying or selling a home.

You may need Adobe Reader to view files on this page. See EPA's <u>About PDF page</u> to learn more.

Home Buyer's and Seller's Guide to Radon (PDF)
 (44 pp, 4 MB, EPA 402/K-13/002)

Contact Us to ask a question, provide feedback, or report a problem.

On this page, the link label to a PDF document includes the file type designation **1**. Visitors' expectations regarding the size of the file are also set **2**.



Publications are not integrated with local navigation

Mold Indoor Air Ou Page Mold Home Flood Cleanup Mold Basics

Next, the navigation menus of the HTML versions of these publications **1 2** have not been integrated with the existing navigation scheme **3 4**. This is potentially confusing and risks that visitors may unintentionally navigate away from the publication and fail to view relevant information.

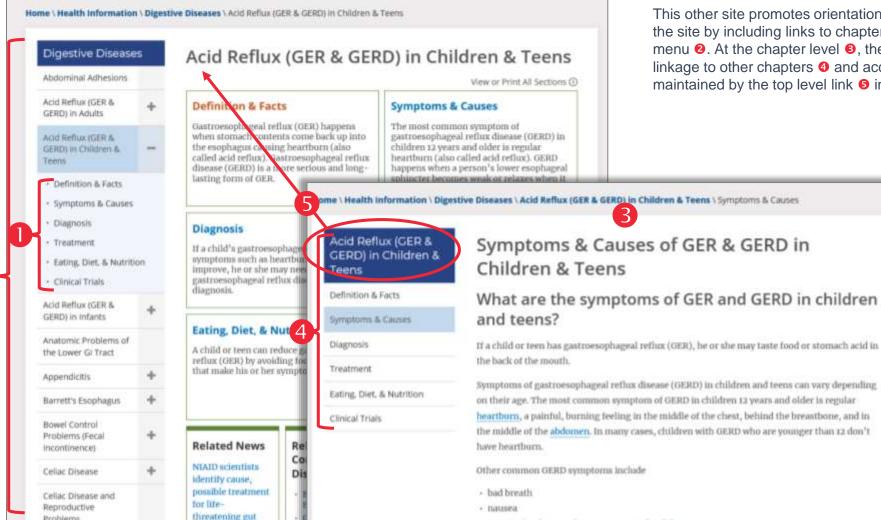
Recommendation: Display publication navigation menus within the local navigation menu.

Discussion Note: It may not be possible to integrate the two navigation menus at this time. Providing a descriptive label for the publication navigation menu, such as Contents or Chapters will help to disambiguate between these menus.

4	Induar Air Quality Home Page Mold Home Tood Cempte	Mold Remediation in Schools and Commercial Buildings Guide		
	Hold Earlis Ter Diege Tex Strack from About Hold Hold and Hold Midd Charag Hold Charag Hold Charag Fregment Qualitation share Hold Teigl Publications	The content on this web page is based on the publication that Berneliation Commercial Heldings 10% at a 4% bit, bayened instances instances (2000, Updates have b resources and links. Phone click on the loans to the right to view the chapters of the "Mold formalic Commercial Heldings." Prevention The key to excit control is emistance control, Solve multiture problems	been much to asme	
	Schools and Commencial Buildings Environmental and Public Health Professionals	Indust they became mold problemat Mold Prevention Tips • Fis italy plumbing and italis in the building enotings as soon as possible.	Investigating Evaluating & Remediating Hastare & Hotel Problems	
A Brief Guide to Mold, Mo	HARE (F) (P) (P) (R)	Watch for condensation and wet spats. For source(c) of moluture problem (c) as soon as possible. Present moluture due to condensation by increasing surface, temperature or reducing the moluture level in air floarddby). To increase	Tuble 2: Water Damage Cleanage and Mold Prevention Table 2: Mold Remediation	
Mold Home and Your Home Flood Cleanup Please Click on the baxes to the right to view the chapters of the "Brief Guide to Mold, Moisture and Your Home."	Overview	surface temperature, insulate an increase air circulation. To reduce the molthure level is an, repair lepins, increase smittlattice (ir cutation air to cutat and dry), or dohumidity (if outdoor air to warm and horrid). • Keep heating ventilation and air conditioning (INVC) http para clean,	Conclusion Checklish for Mode Removements List	
Mold and Health Overview Mold Cleanup This Guide provides information and guidance for homeowners and rente on how to clean up residential mold problems and how to prevent mold Frequent Questions about Frequent Questions about growth. The content on these web pages is based on EPA's publication "A	Mold Cleanup Guidelines	 Honing property and anothernation. West multiture generating appliances, such as dryors, to the outlide othere possible. Maintain low induct humidity, bolow 60% relation humidity (64), ideally 	References Gammin A Jappendis A	
Mold Brief Guide to Mold, Moisture and Your Home." Updates have been made to some resources and links. Schools and Commercial Buildings Schools and Commercial Buildings	to What to Wear When Cleaning Moldy Areas Is the Cleanup Complete?	30-50%, if possible. • Perform nigolar building/H06C impections and maintenance as schedulost.	Contradiction to Multic Appendix RI Contempote along with Building December 1	
Environmental and Public Health Professionals Interactive Mold House Related Topics	Moisture and Mold Prevention and Control Tips Hidden Mold	Crean and dry wet or damp-spots within 48 hours. During the foundations usay wet, Provide drainage and slope the ground away form the loadedelon.	Hopendix () Actionoelectgeme 305	
	Cleanup and Biocides Additional Resources			



Best practice: Combining document and local navigation



This other site promotes orientation and navigation within publications on the site by including links to chapters or pages **1** in the local navigation menu **2**. At the chapter level **5**, the local navigation menu is replaced by linkage to other chapters **4** and access to the containing category is maintained by the top level link **5** in the publication menu.



Link labels are duplicated

Some navigation labels within the Mold category local navigation menu **1 2** and the publication chapters **3 4** are identical. Visitors are often confused by duplicate labels for differing navigation options.

Recommendation: Modify the navigation labels to avoid duplication.

old	CONTACT US SHARE	f 🕑 🦻 🕻
idoor Air Quality Home age	A Brief Guide to Mold, Moi	sture
Mold Home	and Your Home	
-lood Cleanup	und rour nome	
Mold Basics	Please click on the boxes to the right to view the chapters of the "Brief Guide to Mold, Moisture and Your Home."	Overview
Ten Things You Should Know About Mold Mold and Health	Overview	Mold Basics
	4	Mold Cleanup
Nold Cleanup	This Guide provides information and guidance for homeowners and renters on how to clean up residential mold problems and how to prevent mold growth. The content on these web pages is based on EPA's publication "A	Mold Cleanup Guidelines
Frequent Questions about Mold	Brief Guide to Mold, Moisture and Your Home." Updates have been made to some resources and links.	What to Wear When Cleaning
Mold Publications		Moldy Areas
Schools and Commercial Buildings		Is the Cleanup Complete?
nvironmental and Public ealth Professionals		Moisture and Mold Prevention
nteractive Mold House		and Control Tips
elated Topics		Hidden Mold
		Cleanup and Biocides
		Additional Resources



Access to Publications

Recommendations

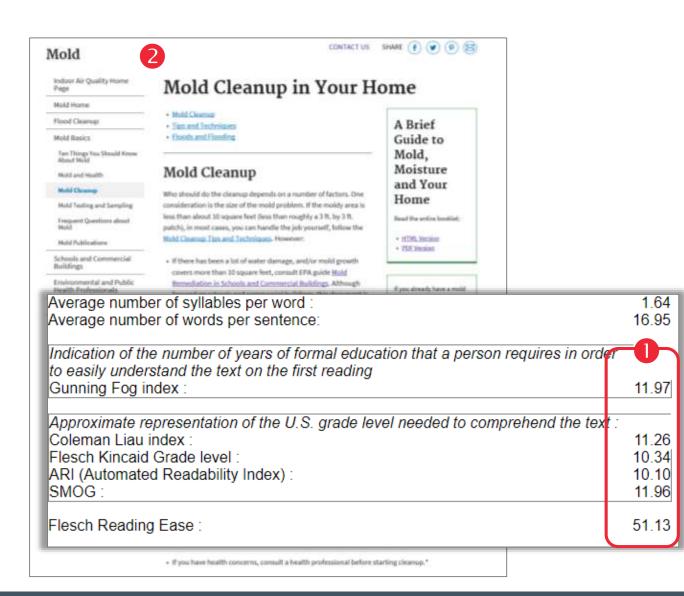
- Provide links to both the HTML and PDF versions of content.
- Add an icon or explicit label to identify links to HTML and PDF content when both formats are available.
- Indicate the file size in terms of number of pages and memory requirements.
- Display publication navigation menus within the local navigation menu.
- Modify the navigation labels to avoid duplication.

Readability



Content may be difficult to read (1 of 2)

The reading level of some pages within the Basic Information or Homes subcategories appears to exceed the recommended level for web copy. For example, a readability assessment tool indicates visitors need to have completed 10 – 12 years of education **1** to easily understand the text on the Mold Cleanup in Your Home page **2**, on the first reading. The recommended reading level for general audiences.is at or below 7th – 9th grade. This page contains a number of complex sentences which may slow visitors. For instance, sentences such as *If you suspect that the heating/ventilation/air conditioning (HVAC) system may be contaminated with mold (it is part of an identified moisture problem, for instance, or there is mold near the intake to the system), consult EPA guide Should You Have the Air Ducts in Your Home Cleaned?* should be simplified or broken into several shorter sentences.





Content may be difficult to read (2 of 2)

Content in Mold and Moisture Frequent Questions **1** also tested at a higher reading level **2**.

Recommendation: Reevaluate reading level of content within the Mold category: where necessary, simplify diction and use shorter sentences.

Discussion Note: This problem appears to be more prevalent in the Frequent Questions content.

Can mold cause health problems?

Molds are usually not a problem indoors, unless mold spores land on a wet or damp spot and begin growing. Molds have the potential to cause health problems. Molds produce allergens (substances that can cause allergic reactions), irritants, and in some cases, potentially toxic substances (mycotoxins). Inhaling or touching mold or mold

spores may cause allergic reactions in sensitive individuals. Allergic responses

Number of characters (without spaces) : Number of words : Number of sentences :	980.00 190.00 14.00
Average number of characters per word :	5.16
Average number of syllables per word :	1.69
Average number of words per sentence:	
Indication of the number of years of formal education that a person requires in order to easily understand the text on the first reading	
Gunning Fog index :	11.53
Approximate representation of the U.S. grade level needed to comprehend the text :	
Coleman Liau index :	12.37
Flesch Kincaid Grade level :	9.64
ARI (Automated Readability Index) :	9.65
SMOG :	12.14
Flesch Reading Ease :	50.13

Long paragraphs hinder scanning

The Frequent Question articles provided for Mold and Moisture are often long and difficult to scan and digest. Therefore, they require a great deal of unnecessary work as visitors seek relevant information. These answers should be a quick and easy way for visitors to gather facts about mold. However, answers are often provided in large blocks of complicated copy. Instead, the site must ensure that the arrangement of text supports scanning.

Recommendation: Utilize bullet points, lists and subheadings to ensure that answers to Frequent Questions are easy to scan and digest.

Indoor Air Quality - Customer Service > Mold and Moisture

Can mold cause health problems?

Molds are usually not a problem indoors, unless mold spores land on a wet or damp spot and begin growing. Molds have the potential to cause health problems. Molds

produce allergens (substances that can cause a cases, potentially toxic substances (mycotoxins) spores may cause allergic reactions in sensitive include hay fever-type symptoms, such as sneed rash (dermatitis). Allergic reactions to mold are delayed. Molds can also cause asthma attacks to mold. In addition, mold exposure can irritate of both mold-allergic and non-allergic people. S irritant types are not commonly reported as a rea mold and health effects is ongoing. This brochu not describe all potential health effects related to information consult a health professional. You r local health department.

Indoor Air Quality - Customer Service > Mold and Moisture

Is sampling/testing for mold necessary?

In most cases, if visible mold growth is present, sampling is unnecessary. Since no EPA or other federal limits have been set for mold or mold spores, sampling cannot be used to check a building's compliance with federal mold standards. Surface sampling may be useful to determine if an area has been adequately cleaned or remediated. Sampling for mold should be conducted by professionals who have specific experience in designing mold sampling protocols, sampling methods, and interpreting results. Sample analysis should follow analytical methods recommended by the American Industrial Hygiene Association (AIHA), the American Conference of Governmental Industrial Hygienists (ACGIH), or other professional organizations.

Hidden Mold

Investigating hidden mold problems may be difficult and will require caution when the investigation involves disturbing potential sites of mold growth. For example, removal of wallpaper can lead to a massive release of spores if there is mold growing on the underside of the paper. If you believe that you may have a hidden mold problem, consider hiring an experienced professional.

For more information on mold, see our website at www.epa.gov/mold



Best practice: Scannable copy



How to Remove Personal Information

Your mobile device probably holds sensitive information like addresses and phone numbers, passwords, account numbers, email, voicemail, and text message kgs. When getting rid of your old device, it's important to take steps to hetp ensure this information description line the exong hands.

First, try to use the factory reset. Many devices allow you to "wipe" your device and clear nearly all the information in this memory. Sometimes, this is called a "hard reset," or "factory reset." You may be able to save or transfer the information to your new device before you delete it from your oid one. For detailed instructions on how to "wipe" your device, read your owner's manual or check the website of your mobile provider or the device memufacturer.

Second, remove or erake SM and SD cards. Many mobile devices store information on a SM card or an external SD card as well as in the device's informal memory. If you're keeping your phone numble, ask your mobile provider about transferring your SM card to your new device. SD cards often contain photos and other sensitive information. Even when your "wipe" your device, your SM card or SD cards may retain information about you. Bemove them from your device or device the data that a stored on them.

Checking Twice

After you've deleted your personal information, it's good to double-check to make sure it's gone. Check your:



- search histories
- personal photos
- If you stored apps on your device, remove them and the data associated with them

Discarding with Care

Once you have a "clean" phone, it's up to you to decide what to do next.

Recycling it is one option. Many mobile device manufacturers, wheleas service providers, and other groups have programs to reflatish mobile devices or recycle their components, including accessories like chargers. The copy on this page is divided into sections which are identified by subheadings. Bulleted lists increase the scannability of the text.



Customer Service articles contain extraneous details

In a related issue, some answers to Frequent Questions contain a short list of facts about mold either before or after the article. The inclusion of this information, which does not directly answer the specific question, requires visitors to exert additional effort to focus on the answer to their question.

Recommendations:

- Avoid introducing irrelevant content within the answers to frequent questions.
- Consider placing mold facts in a sidebar.



FORESEE

Readability

- Reevaluate reading level of content within the Mold category: where necessary, simplify diction and use shorter sentences.
- Utilize bullet points, lists and subheadings to ensure that answers to Frequent Questions are easy to scan and digest.
- Avoid introducing irrelevant content within the answers to frequent questions.
- Consider placing mold facts in a sidebar.



Navigation in Frequent Questions



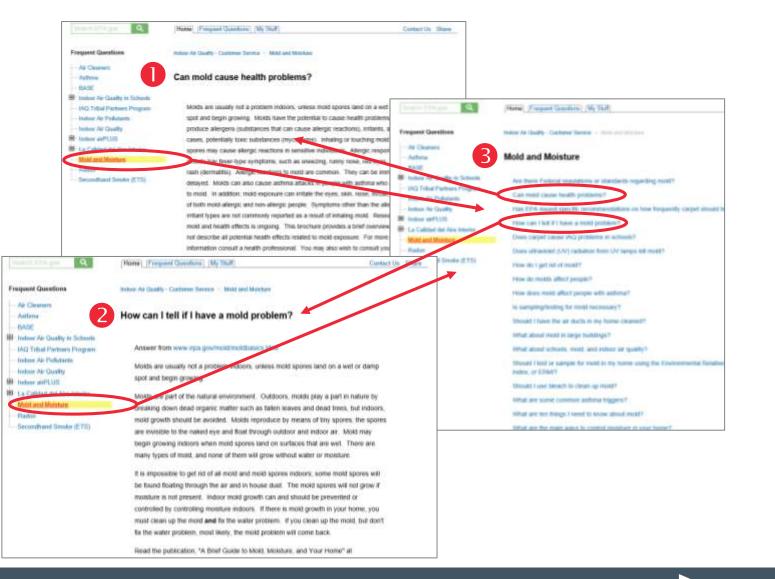
Navigation between Frequent Questions is inefficient

Answers to Frequent Questions are provided on individual pages that lack access to other questions within the Mold and Moisture group **12**. Visitors who wish to view several answers are required to return to the Mold and Moisture section **3** each time they wish to view and select another question. The additional effort required to navigate between answers may discourage visitors from locating desired information.

Recommendations:

- Implement an expandable interface to maintain access to all questions within the Mold and Moisture section.
- · Provide a mechanism to expand or collapse all answers.

Discussion Note: Another solution would be to expand the menu on the left to include the question topics.



FORESEE



Best practice: Expandable interface for FAQs

Frequently asked questions

Help on your Dell job search.

Applying for a job is exciting and there can be multiple steps in the process. At Dell, our job is to guide you through these steps and give you the best candidate experience possible. To help you understand the application process, we are providing a list of the most common questions. The information below will help you navigate the application process at Dell!

Frequently asked questions

Show All Hide All

Mow do I search for current openings at Dell?

First, try the job search tool on the career site that allows you to find opportunities by keyword and location as well as position type or function. If you want to further refine your search, advanced functionality is available.

Do you have open positions for students and recent graduates?

Do you have any internship opportunities? How do I apply?

Do I need to prepare anything prior to applying to Dell?

What language do I need to apply in?

Can I attach a file of my resume or CV?

- How long will my profile remain active in the database?
- ✓ Is there a limit to the number of applications I can submit?
- Wow can I change my password? And what if I forget my password?
- If I change my email address, should I create a new account with my new email address?
- How do I know my application has been received?

On this FAQ page, visitors can view several or all answers by clicking on the questions to reveal the answers or by using the Show All mechanism. This mechanism also ensures that visitors can print all answers with a single command. As shown, the first answer is open as the page is loaded, which helps visitors identify the functionality.



Frequent Questions lacks an explicit return link

Return navigation from IAQ Customer Service to the Mold category is hindered by the absence of an explicit link back to this section from Frequent Questions. Visitors who are researching Mold may be required to click on the browser's Back button multiple times if they have viewed several pages. This may frustrate and slow visitors as they explore information on the site.

Recommendation: Provide an explicit link to the Mold category from the Mold and Moisture questions in IAQ Customer Service.

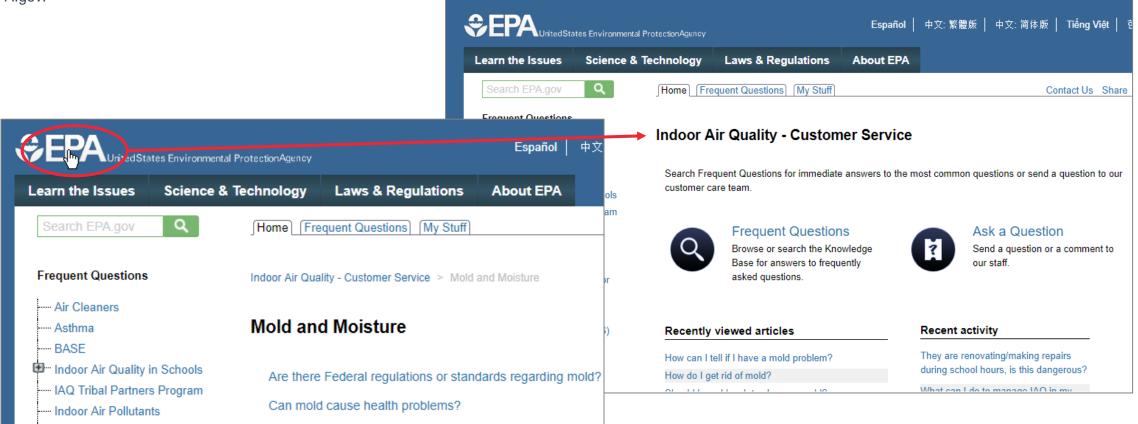
				Español 4	中文: 繁體版 │
Learn the Issues	Science &	Technology	Laws & Regulations	About EPA	
Search EPA.gov	Q	_Home Fre	quent Questions] [My Stuff]		
Frequent Questions]	Indoor Air Qua	lity - Customer Service > Mold	and Moisture	
 Air Cleaners Asthma BASE Indoor Air Quality in Schools IAQ Tribal Partners Program Indoor Air Pollutants Indoor Air Quality Indoor Air Quality La Calidad del Aire Interior Mold and Moisture 		Mold and Moisture			
		Are there Federal regulations or standards regarding mold?			
		Can mold cause health problems?			
		Has EPA issued specific recommendations on how frequently carpet s			
		How can I tell if I have a mold problem?			
		Does carpet cause IAQ problems in schools?			
Radon	(770)	Does ultraviolet (UV) radiation from UV lamps kill mold?			
Emergina Secondhand Smok	(ETS)	How do I get rid of mold?			
		How do molds affect people?			



Logo in Customer Service does not link to EPA home

Additionally, these pages do not meet visitors' expectations in providing direct linkage to the EPA.gov homepage by means of the site logo in the header.

Recommendation: Link the EPA logo in the page header to EPA.gov.





Navigation in Frequent Questions

- Implement an expandable interface to maintain access to all questions within the Mold and Moisture section.
- Provide a mechanism to expand or collapse all answers.
- Provide an explicit link to the Mold category from the Mold and Moisture questions in IAQ Customer Service.
- Link the EPA logo in the page header to EPA.gov.



Adequate Linkage



Linkage to local resources is indirect

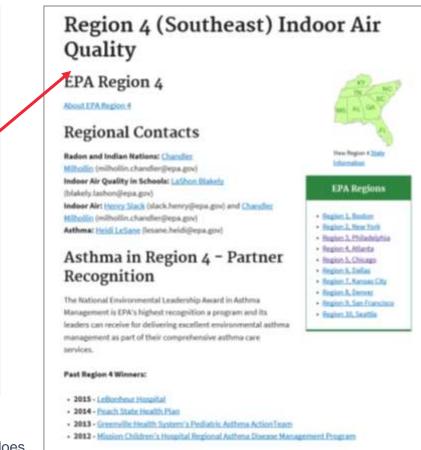
Basic Information

- Ten Things You Should Know About Mold
- Mold and Health
- Mold Cleanup
- Mold Testing or Sampling
- Indoor Air Regulations and Mold
- Frequent Questions about Mold
- Mold Publications
- Find Local Help and Resources
 - Mold Image Gallery
 - Glossary of Mold Terms



The site does not provide direct linkage to local resources. Although the Basic Information page provides a link labeled Find Local Help and Resources, the referenced page contains linkage to regional and state offices but does not provide linkage to mold resources. Additionally, the subsequent region pages for Indoor Air Quality do not consistently contain resources specifically for mold. As a result, visitors looking for local resources may have trouble finding needed information.

Recommendation: Consider providing a page with direct linkage to local resources.



Contact Us to ask a question, provide feedback, or report a problem.



Some hypertext links to cited content is missing

The site fails to provide sufficient linkage to content cited in the text. Visitors expect links to be provided for content they are directed to, and are frustrated when they are instructed to seek content without the benefit of a direct pathway. In this example from the Frequent Questions section, visitors are encouraged to read several publications. Although the associated URLs are present, providing hypertext links will allow visitors to access these items more efficiently.

Recommendation: Provide linked pathways when directing visitors to content.

Are there Federal regulations or standards regarding mold?

Standards or Threshold Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no EPA regulations or standards for airborne mold contaminants.

For more information on mold, see our website at www.epa.gov/mold

Read the publication "A Brief Guide to Mold, Moisture, and Your Home" at http://www.epa.gov/mold/brief-guide-mold-moisture-and-your-home [EPA 402-K-02-003]

Una Breve Guía para el Moho, la Humedad y su Hogar está disponible en el formato PDF http://espanol.epa.gov/cai/una-breve-guia-para-el-moho-la-humedad-y-suhogar. Documento de la agencia **EPA número 402-K-03-008**.

Read the publication "Mold Remediation in Schools and Commercial Buildings at http://www.epa.gov/mold/mold-remediation-schools-and-commercial-buildings-

guide [EPA 402-K-01-001, March 2001]

Mold Resources are available at http://www.epa.gov/mold/resources-environmentaland-public-health-professionals-about-mold.

FORESEE

Adequate Linkage

- Consider providing a page with direct linkage to local resources.
- Provide linked pathways when directing visitors to content.



Expected Location

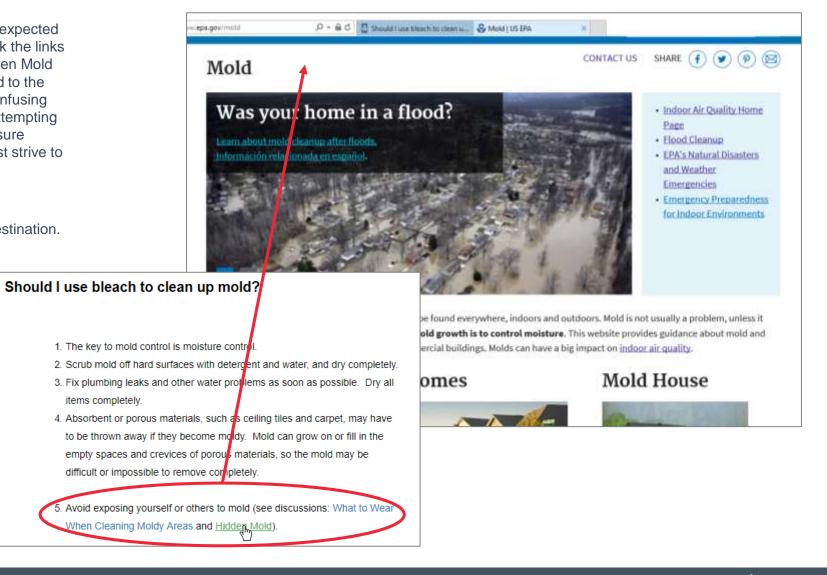


Some links do not load the expected content

There are instances when links transport visitors to unexpected locations within the site. For example, visitors who click the links for What to Wear When Cleaning Moldy Areas or Hidden Mold in this FAQ answer may be surprised to be transported to the Mold primary page instead. This is disorienting and confusing for visitors. Furthermore they must spend more time attempting to locate this information elsewhere on the site. To ensure visitors can access information of interest, the site must strive to resolve broken links.

Recommendations:

- Ensure all links transport visitors to the expected destination.
- Eliminate broken links.



FORESEE

Expected Location

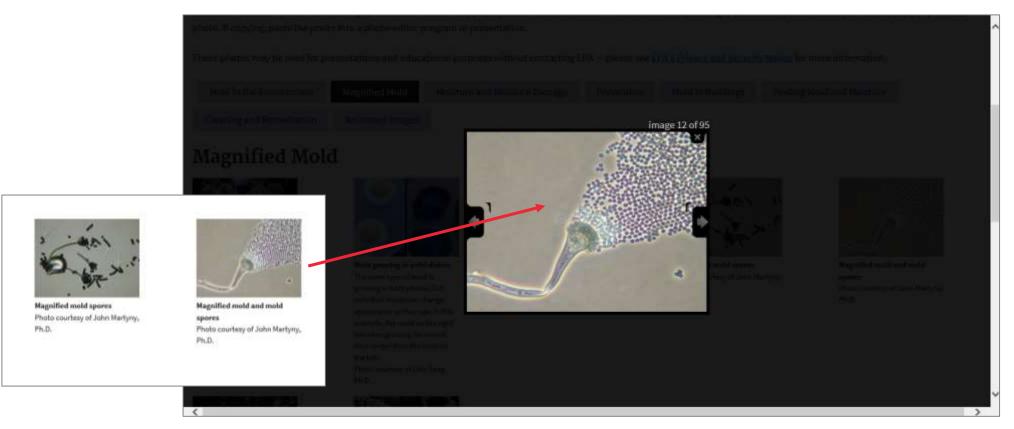
- Ensure all links transport visitors to the expected destination.
- Eliminate broken links.



Image Gallery



Gallery does not provide zoom functionality

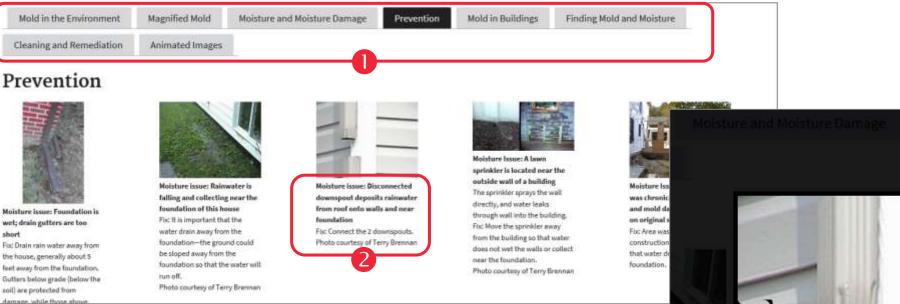


While the image gallery offers an enlarged view of the images, the feature is not optimized to take full advantage of the available screen space. Visitors may wish to examine the pictures in greater detail, however, additional levels of enlargement are not available.

Recommendation: Provide zoom functionality for the Mold Image Gallery.



Images in layer lack captions



The section headings • and captions • provided on the Mold Image Library page are not available to visitors as they browse in the viewer layer •. As a result, visitor using the layer must first close the layer, then locate the image on the page to discover the subject and commentary associated with the image. The difficulty of this task is increased if they have navigated to images on adjacent tabs, since the underlying page does not change as the images in the layer are advanced.

Recommendation: Display the section heading and caption associated with each image in the layer.

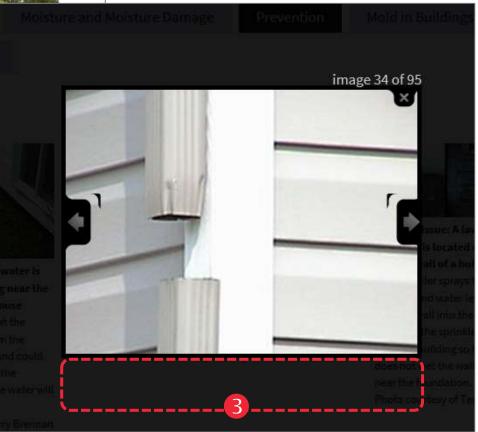




Image Gallery

- Provide zoom functionality for the Mold Image Gallery.
- Display the section heading and caption associated with each image in the layer.



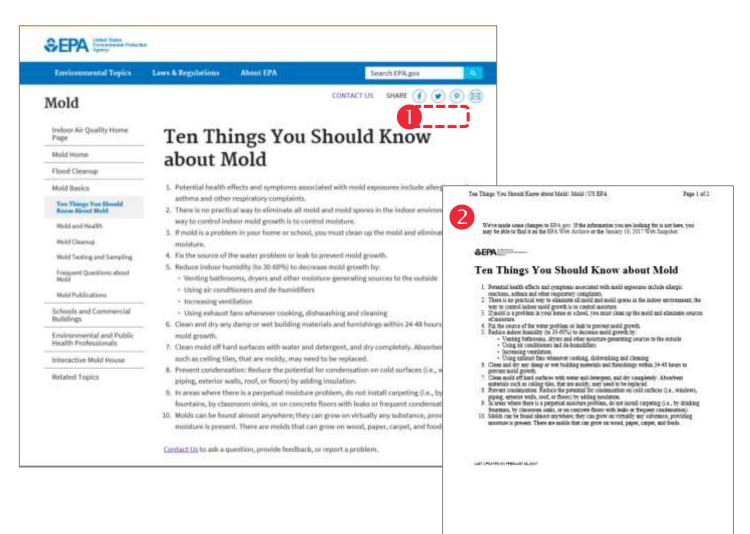
Print and Email



Link to Print is missing

The site does not provide an explicit Print functionality **①**. As a result, visitors may not realize content on the site is formatted for printing **②**. Furthermore, those whose experience with the browser-based Print functionality often results in poorly formatted printed pages, may decide not to print.

Recommendation: Provide an explicit link to Print.

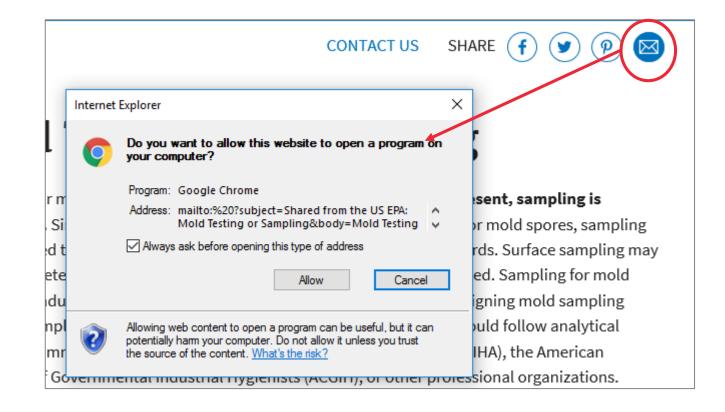




Email functionality is inefficient

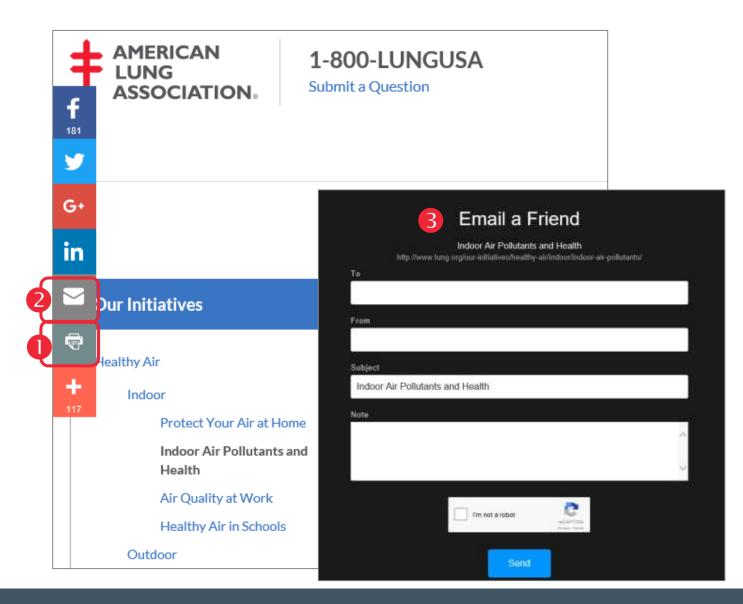
Although EPA provides email functionality, the implementation can be improved. As shown, the email link opens the visitor's email program and relies on that program being set up correctly. This is also problematic for visitors using a public computer. Instead, the link should open a pop-up window or layer containing a form visitors may complete to easily share the page they are viewing.

Recommendation: Provide form-based email functionality.





Best practice: Print and Email functionalities



This site provides convenient access to email and print functionalities by providing links in a fixed element on the page which remains in view as the page is scrolled. The email link opens a layer containing a form which allows visitors complete the action without leaving the site.



Print and Email

- Provide an explicit link to Print.
- Provide form-based email functionality



Agenda

- Overview of Usability Audit Review
- Top Usability Issues
- > Key Findings



Key Findings

How well does the section present the most important facts about mold?

While the basic facts are clearly messaged, complexity of language and lack of expected functionality in the image gallery may prevent visitors from fully exploring content.

Review content for readability and provide captions and functionality in the image gallery.

What factors prevent visitors from finding desired content?

Misrepresentation of the site hierarchy in the local navigation menu combined with poor orientation cues may impede visitors from finding answers to their questions.

Visually present the site structure and reinforce orientation by improving indentation and highlighting in the menu.

How well does the FAQ section present this key content?

Densely presented content and lack of efficient navigation may prevent visitors from accessing information.

The site should increase the scannability of the copy and improve navigation between FAQ articles by implementing an expandable interface.





CONNECT2018 THEFORESEESUMMIT

MAY 22-24, 2018 • PHOENIX, ARIZONA www.foreseesummit.com

Register now to take advantage of early bird pricing!

