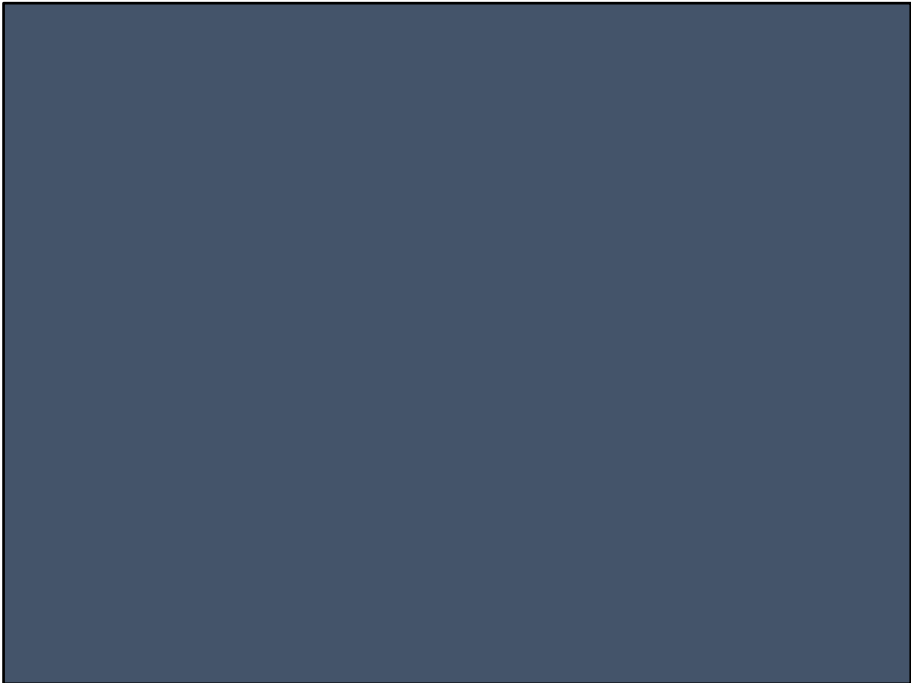


Land, Chemical, Redevelopment Division (LCRD) Updates

Responsible for implementation of the following programs:

- ❖ Resource Conservation and Recovery Act (RCRA)
 - including Underground Storage Tank (UST) and Leaking UST
- ❖ Brownfields redevelopment
- ❖ Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- ❖ Toxic Substances Control Act (TSCA)
- ❖ Asbestos management
- ❖ Lead-based paint
- ❖ Pollution Prevention

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Coal Combustion Residuals (CCR) Rules Update

Contact:

Robert Aston

aston.robert@epa.gov

(913) 551-7392

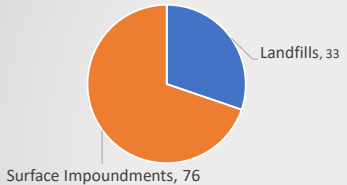
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CCR Rules Update

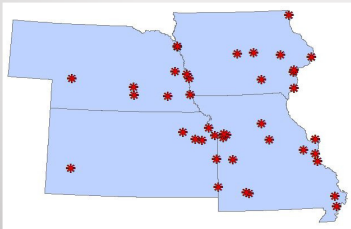
- CCR includes fly ash, bottom ash, boiler slag, and flue gas desulfurization (FGD) materials.
- CCR regulations were first issued in 2015.
- The rule created minimum national criteria for existing and new CCR landfills, surface impoundments and lateral expansions of these units
 - ✓Location restrictions
 - ✓Design and operating criteria
 - ✓Groundwater monitoring and corrective action
 - ✓Closure requirements and post closure care
 - ✓Recordkeeping, notification, and internet posting requirements

CCR Facilities & Units in Region 7 States

Region 7 CCR Units



State	Facilities	Surface Impoundments	Landfills
Iowa	12	28	11
Kansas	6	10	7
Missouri	16	37	8
Nebraska	7	1	7
Total	41	76	33



● ★ Location of CCR facility

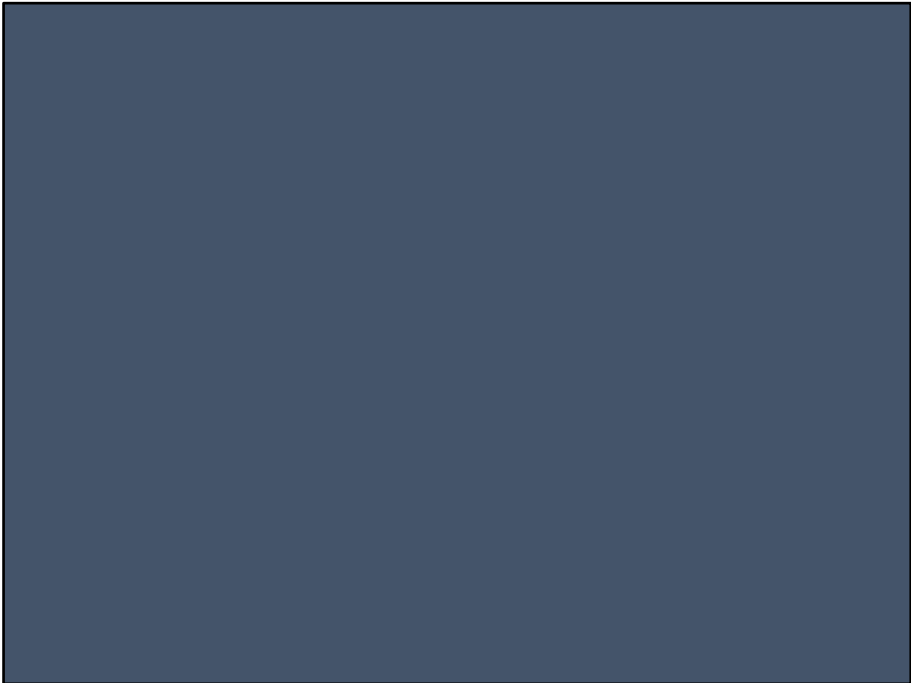
CCR Rules Update

- EPA has issued and proposed significant revisions to the original CCR regulations, including
 - ✓ Requiring clay-lined surface impoundments to cease receipt of waste by April 11, 2021
 - ✓ Took comments on establishing requirements to address previously closed “legacy sites”
 - ✓ Proposed a Federal CCR permitting program
- R7 states have not yet adopted the CCR regulations

Current Region 7 CCR Focus

- Assisting state agencies as they assess whether and when to adopt state CCR rules and establish state CCR permitting programs

- Reviewing Compliance by CCR facilities with
 - ✓ Groundwater monitoring and data analyses requirements
 - ✓ Groundwater corrective action decisions
 - ✓ Closure and Post-Closure decisions
 - ✓ Internet Information Repository Requirements



Redevelopment Navigation Team

2021 co-leaders

Mary Grisolano grisolano.mary@epa.gov (913) 551-7657
Kristen Nazar nazar.kristen@epa.gov (913) 551-7450


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- ❖ Cross-Program Team to Promote Redevelopment in Region 7: UST, Superfund, Brownfields, RCRA, Counsel, OPA
- ❖ Identify Solutions to Overcome Barriers to Development, all Phases of Cleanup: Funding, Planning, Coordinate with Community, Educate, Comfort Letters, etc.
- ❖ Website of Shovel-Ready Sites, Allows Responsible Reuse of Contaminated Properties Based on Known Conditions

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• 10

Land Revitalization Website

Remote Access Sign On | One EP... Region 7 Land Revitalization | La...
epa.gov/land-revitalization/region-7-land-revitalization#--text=Hammons%20Field%2C%20home%20of%20the%20sustainable%20redevelopment%20of%20aba...
Environmental Topics Laws & Regulations About EPA Search EPA.gov
Related Topics: Land Revitalization CONTACT US SHARE
Region 7 Land Revitalization
Land revitalization is the sustainable redevelopment of abandoned properties. It puts previously contaminated properties back into productive use.
Reusing cleaned up properties protects public health and the environment by preventing sprawl, improving water quality, preserving green space, protecting endangered habitat, and reinvigorating communities.
This site offers resources and is designed to help community members and developers navigate the redevelopment process.

Hammons Field, home of the Springfield Cardinals in Springfield, Missouri, was constructed from a former brownfield site with the support of EPA funding.
Success Stories Learn about finished projects across the heartland.
Land Revitalization Maps

- Potential Redevelopment Properties
- Success Stories

Resources Find development resources and tools in Region 7.
https://www.epa.gov/aboutepa/region-7-land-revitalization-resources
1:06 PM 2/10/2021

Properties for Redevelopment

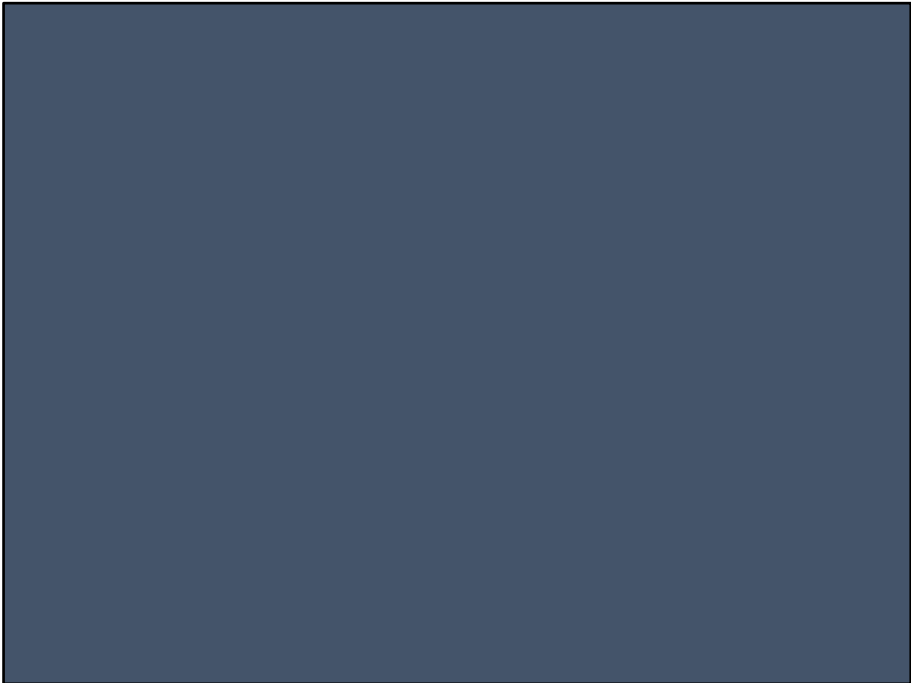
The screenshot displays a web browser window with the URL `epa.maps.arcgis.com/apps/webappviewer/index.html?id=811f132b04ad458da692b6dd825ee3c4`. The application header reads "Region 7 Land Revitalization" and "Serving Iowa, Kansas, Missouri, Nebraska". A search bar is located in the top left. The main map area shows a portion of the United States, including parts of Iowa, Kansas, Missouri, and Nebraska. A popup window is open over a red location marker, displaying the following information:

Industrial Service Corporation	
FACILITY NAME	Industrial Service Corporation
FACILITY ADDRESS	1433 South Marsh Street
FACILITY CITY	Blue Summit
FACILITY STATE	Missouri
FACILITY ZIP	64216
TOTAL ACRES	2
EPA CONTACT NAME	Mary Grisolano
EPA EMAIL	grisolano.mary@epa.gov
EPA PHONE	913-551-7657
EPA PROGRAM	RCRA
EPA PROGRAM ID	MCD073027609

On the right side of the map, there is a sidebar titled "About Region 7 Revitalization" with the following text:

POTENTIAL PROPERTIES FOR REDEVELOPMENT
 This map is provided as a prototype for use by the general public to promote property redevelopment in EPA Region 7, which includes Iowa, Kansas, Missouri and Nebraska. The intent of this map is to provide information so users can identify properties most amenable to their particular development needs. The properties provided represent a sampling of those that EPA Region 7 considers to be ready for redevelopment. Individual property icons can be clicked on for additional information, including contacts. In addition, the map includes a search function (box in upper left corner) that allows a search by city, state, or ZIP code. The search result will provide a list of properties meeting the search criteria. The button below the search box allows a search by property size, with a list of applicable properties provided as the result. At this time, two size options are provided: less than or greater than 10 acres. EPA welcomes feedback on how to improve and enhance the

At the bottom of the browser window, the taskbar shows the time as 1:08 PM on 2/10/2021. Below the screenshot, the text "AWMA Meeting -- 29 Mar 2021" is displayed on the left and "12" on the right.



RCRA Updates March 2021

please hold your questions

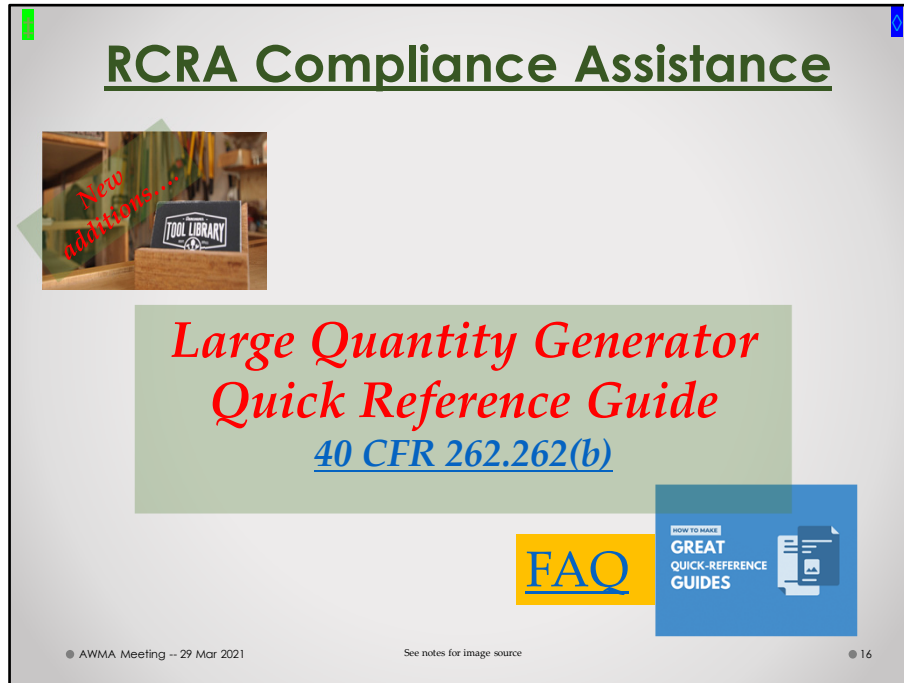
Marcus Rivas – EPA Region 7

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Image from
<http://popupcity.net/wp-content/uploads/2013/02/Tool-Library-1.jpg>

EPA is developing two new RCRA compliance assistance tools that I think you will find useful to more readily attain RCRA compliance. Both are under development right now.



RCRA Compliance Assistance

New additions...

**Large Quantity Generator
Quick Reference Guide**
40 CFR 262.262(b)

FAQ

HOW TO MAKE
GREAT
QUICK-REFERENCE
GUIDES

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Images from

<http://popupcity.net/wp-content/uploads/2013/02/Tool-Library-1.jpg>

<https://s29843.pcdn.co/blog/wp-content/uploads/sites/2/2020/04/quick-reference-guides-768x576.png>

FIRST -

EPA HQ is developing guidance on how a Large Quantity Generator can readily comply with the Generator Improvements Rule (GIR) requirement on development of a Quick Reference Guide (QRG). This has been a particular challenge for areally large and complex hazardous waste generators. EPA Headquarters, Regions, and State Programs have been working diligently and deliberately in tackling challenges on what constitutes a reasonable representation of the QRG.

We are approaching the final editing stages! The guidance hopefully will come out later this year, likely in the form of a series of Frequently Asked Questions (FAQ). We have FAQs for other GIR elements, which can be found online at <https://www.epa.gov/hwgenerators/frequent-questions-about-implementing-hazardous-waste-generator-improvements-final-rule>.



Image from
<http://popucity.net/wp-content/uploads/2013/02/Tool-Library-1.jpg>

SECOND -

EPA has posted on the web a “Hazardous Waste Generator Regulations Compendium” to serve as a user-friendly reference to assist EPA and state staff, industrial facilities generating and managing solid and hazardous wastes, as well as the general public, in locating resources addressing specific regulatory issues within the federal hazardous waste generator program. The Compendium is divided into volumes by topic.

There will be 12 volumes (topics). The first six (on the web now) are:

- V1 – Satellite Accumulation Areas
- V2 – Generator Identification Number
- V3 – Co-Generation
- V4 – Household Hazardous Waste
- V5 – Personnel Training at both Small and Large Quantity Generators
- V6 – Generator Treatment in Tanks and Containers

The weblink for this is <https://www.epa.gov/hwgenerators/hazardous-waste-generator-regulations-compedium>.

The additional topics will include LQG closure, record-keeping & reporting and Universal Waste.

The Compendium supplements in that it distills the RCRA On-Line resource.

Three important reminders -

- ❖ **No more paper manifests submitted to EPA after 30 June 2021**
(okay to use, just not submit to EPA)
- ❖ **Manifest fees change 01 October 2021**
- ❖ **IOWA SQG re-notification due 01 September 2021**




See notes for image source

Image from http://www.raritanboro.org/improvements-ahead-road-construction-sign-barrier-4k_nfcv1p0qx_m0014/

Three very important reminders!

- 1) Paper manifests can no longer be submitted to EPA after 30 June 2021. Generators are still able to use them, but facilities that terminate manifests (TSDFs and RFs (Receiving Facilities)) must submit electronic info (image only, data + image, or the e-manifest) to EPA.
- 2) Manifest fees will change. We do not know the actual changes. Those who saw or pulled down the e-Manifest Advisory Board presentations saw some suggested prices. But we have NO FIRM prices at this time.
- 3) Iowa Small-Quantity Generators are on a quadrennial re-notification cycle (imposed by the Generator Improvements Rule). Re-notification is due 01 September 2021.

Need clarification?



One RCRA Clarifier:

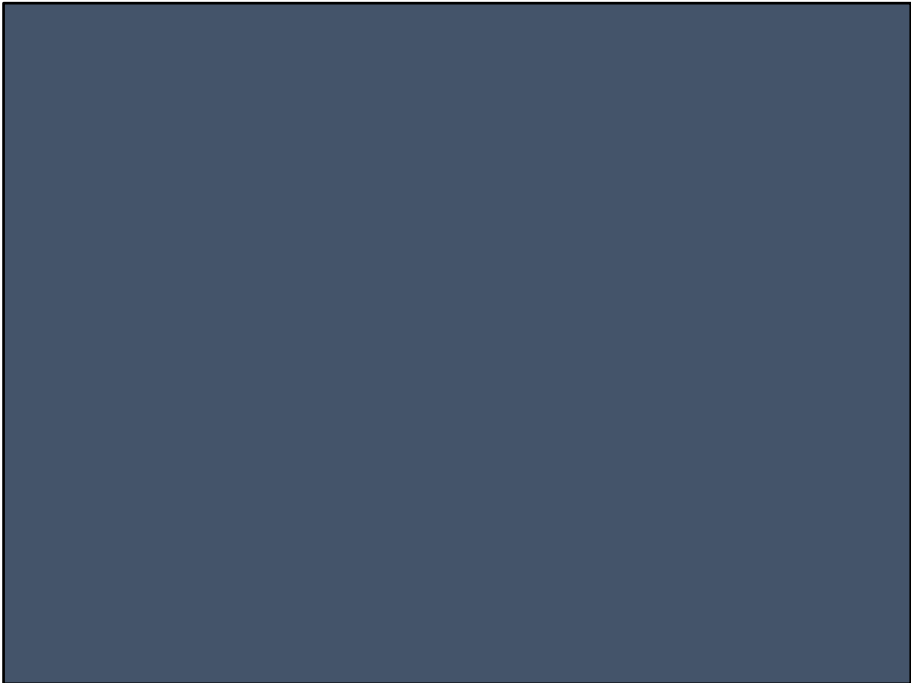
Marcus Rivas
Rivas.Marcus@epa.gov

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Image from
<https://www.tetratech.com/en/projects/engineering-services-for-kansas-city-wastewater-treatment-plant>

e-mail is truly the best way to catch me. Through e-mail we can set a phone time to connect, if needed.

[Thanks to our friends at KCMO Water Services and Tetra Tech for the image]

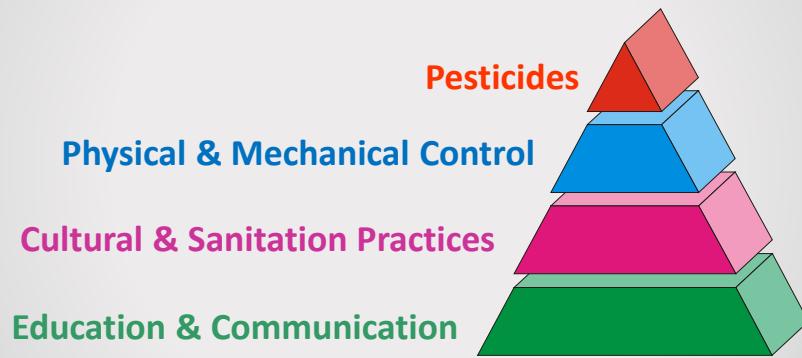




Integrated Pest Management (IPM)

Bethany Olson
olson.bethany@epa.gov
Pesticides Program
EPA Region 7

What is IPM?



Traditional Pest Control

- Routine pesticide applications
- Reactive approach
- Often utilizes sprays or aerosols

Integrated Pest Management

- Utilizes a variety of tactics
- Focuses on prevention
- Least toxic control measures used first
- Minimizes the risk of pesticide exposure



Why do IPM?

Reduce the number of pests

Reduce the number of pesticide applications

Save money while protecting human health

Manage pest resistance to pesticides

Project Highlight: IPM for Healthcare Facilities

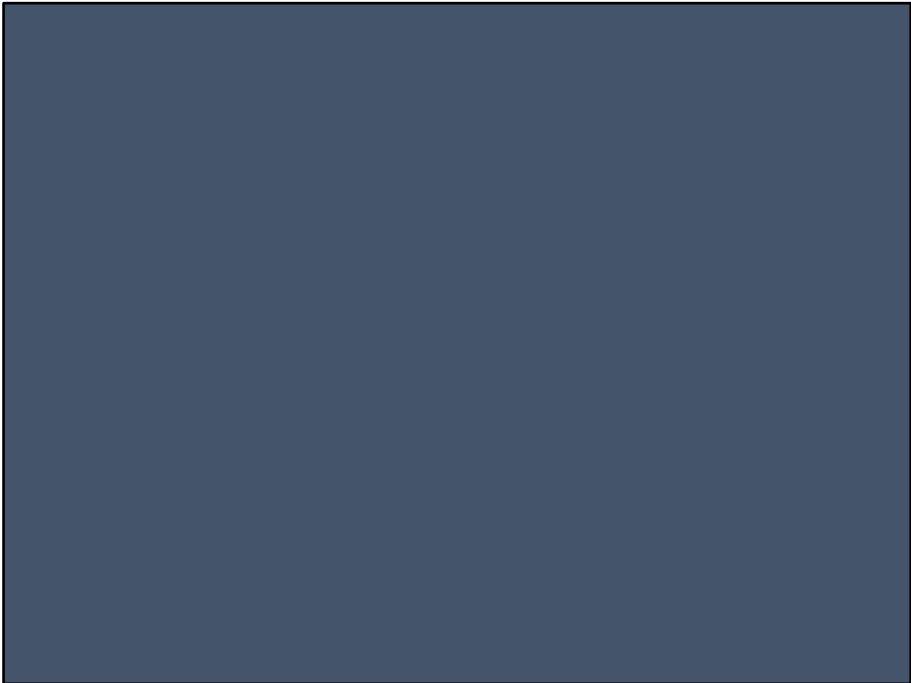


- Collaboration with the University of Kansas Health System
 - Educational outreach
 - Policies implemented for IPM
 - National messaging promoting IPM in healthcare

Per- and Polyfluoroalkyl Substances (PFAS) in Pesticide Packaging

- On March 5, 2021, EPA released testing data showing PFAS contamination from the fluorinated high-density polyethylene (HDPE) containers used to store and transport a mosquito control pesticide product.
- The affected pesticide manufacturer has voluntarily stopped shipment of any products in fluorinated HDPE containers.
- The agency is also testing different brands of fluorinated containers to determine whether they contain and/or leach PFAS
- For more information on this issue, visit: <https://www.epa.gov/pesticides/pfas-packaging>.





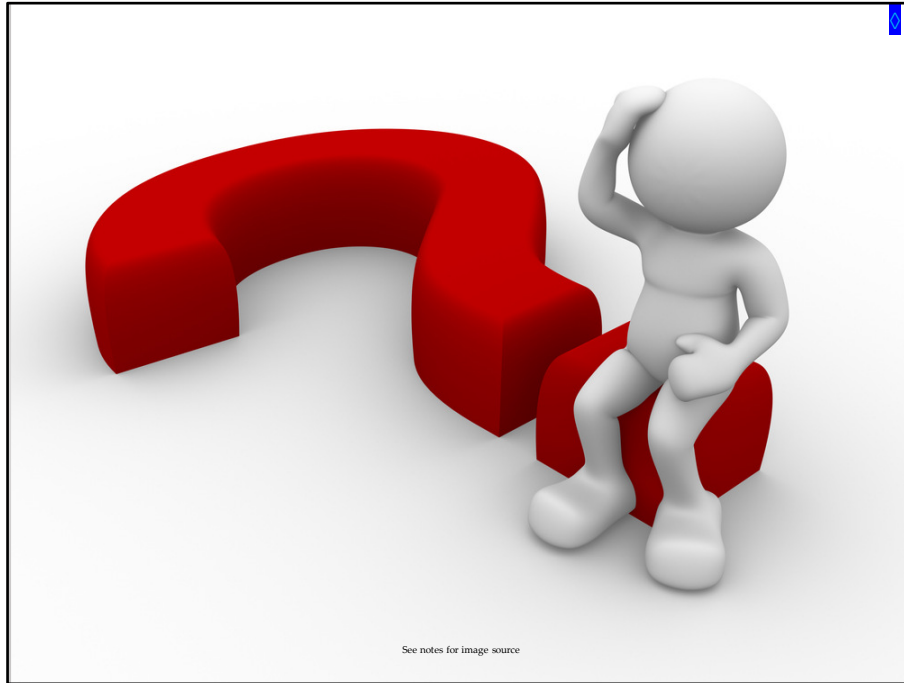


Image from
<https://www.mercyhouse365.org/blog-source/2017/9/19/3-tough-questions-from-deuteronomy>