



## Land Protection Division Solid Waste and Sustainability Updates

Environmental Federation  
of Oklahoma  
June 17, 2021



# Land Protection Division

## Solid Waste and Sustainability

### Updates

- ▶ Advanced Plastic Recycling SB448
- ▶ Coal Combustion Residuals CCR
- ▶ PFAS
- ▶ Solid Waste Funding Opportunities

# Advanced Plastic Recycling

- ▶ SB448 “Advanced plastic recycling”
- ▶ Manufacturing process
- ▶ Converts post-use polymers into basic hydrocarbon raw materials
- ▶ Processes includes pyrolysis, gasification, depolymerization, catalytic cracking, reforming, hydrogenation, solvolysis and other similar technologies...”

# What the bill accomplishes

- ▶ Makes clear that it is not disposal
- ▶ Defines specific processes as “advanced recycling”
- ▶ Reinforces the idea that source separated recyclable materials are valuable industrial raw materials
- ▶ Source separated recyclable material used as raw material are not considered solid waste
- ▶ No rule changes proposed

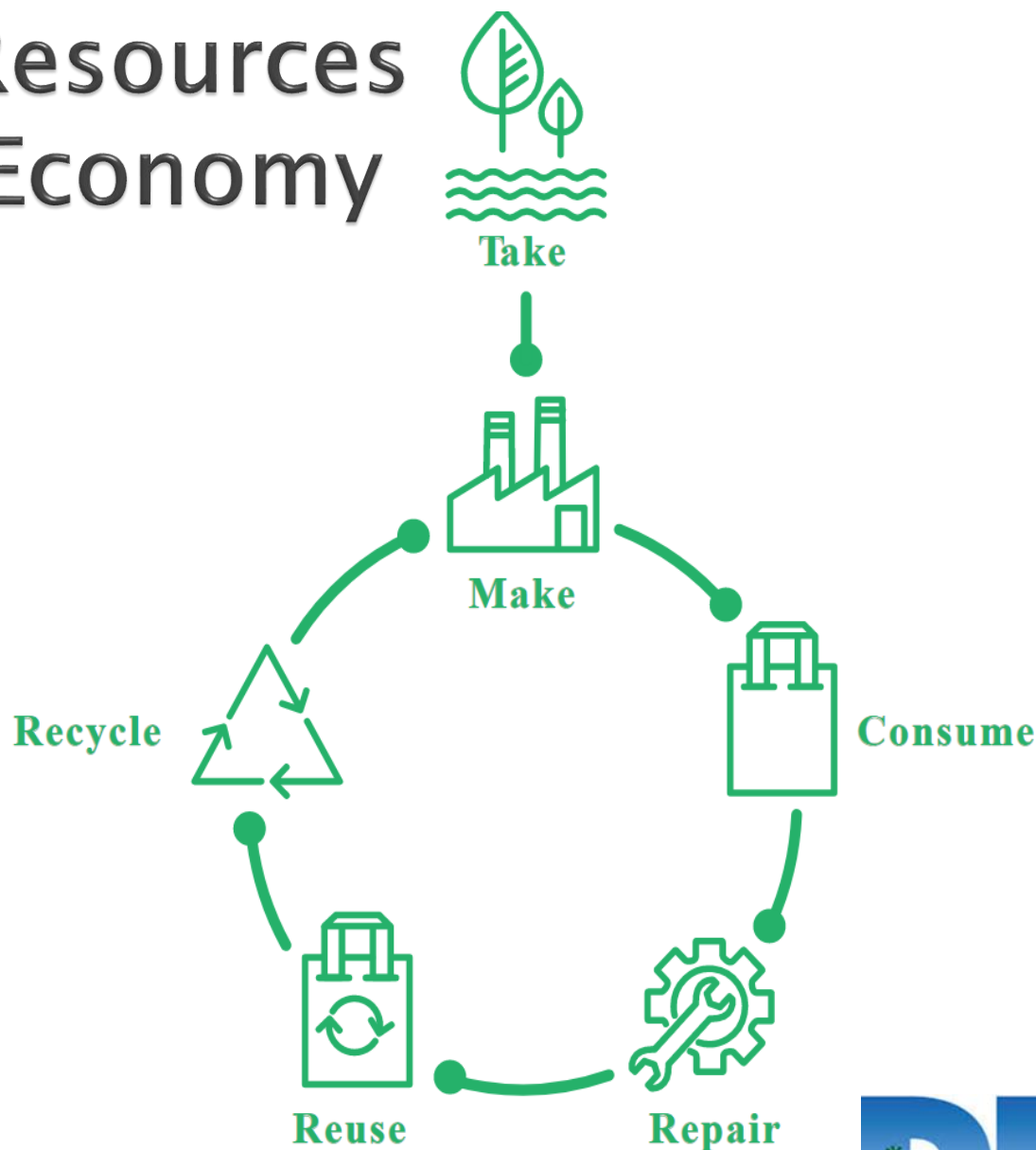
# Flow of Resources Linear Economy







# Flow of Resources Circular Economy



Source: Brightmark.com



















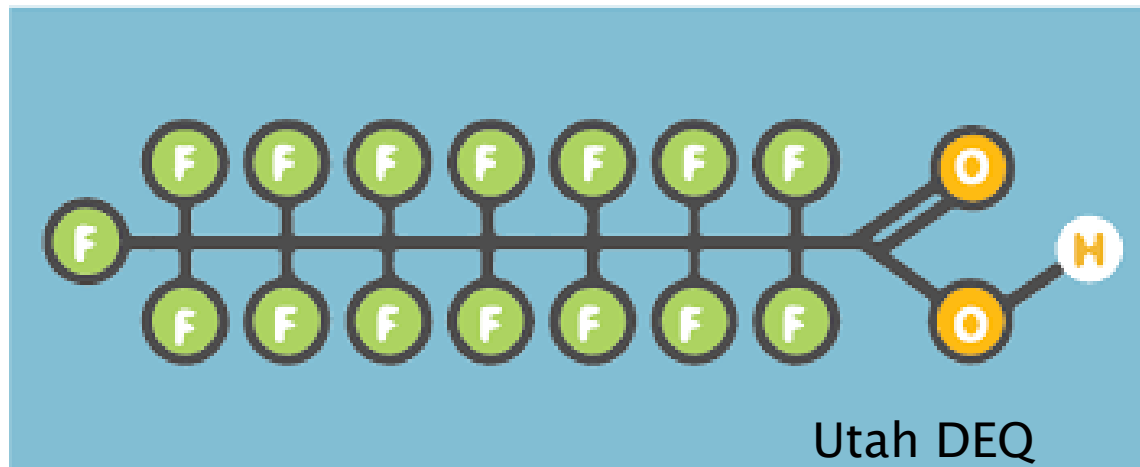
# Coal Combustion Residuals

- Still in Court
- Federal rule has evolved, DEQ's will also
- Reauthorization
- Beneficial reuse is being revisited
- EPA hired contractors to review compliance

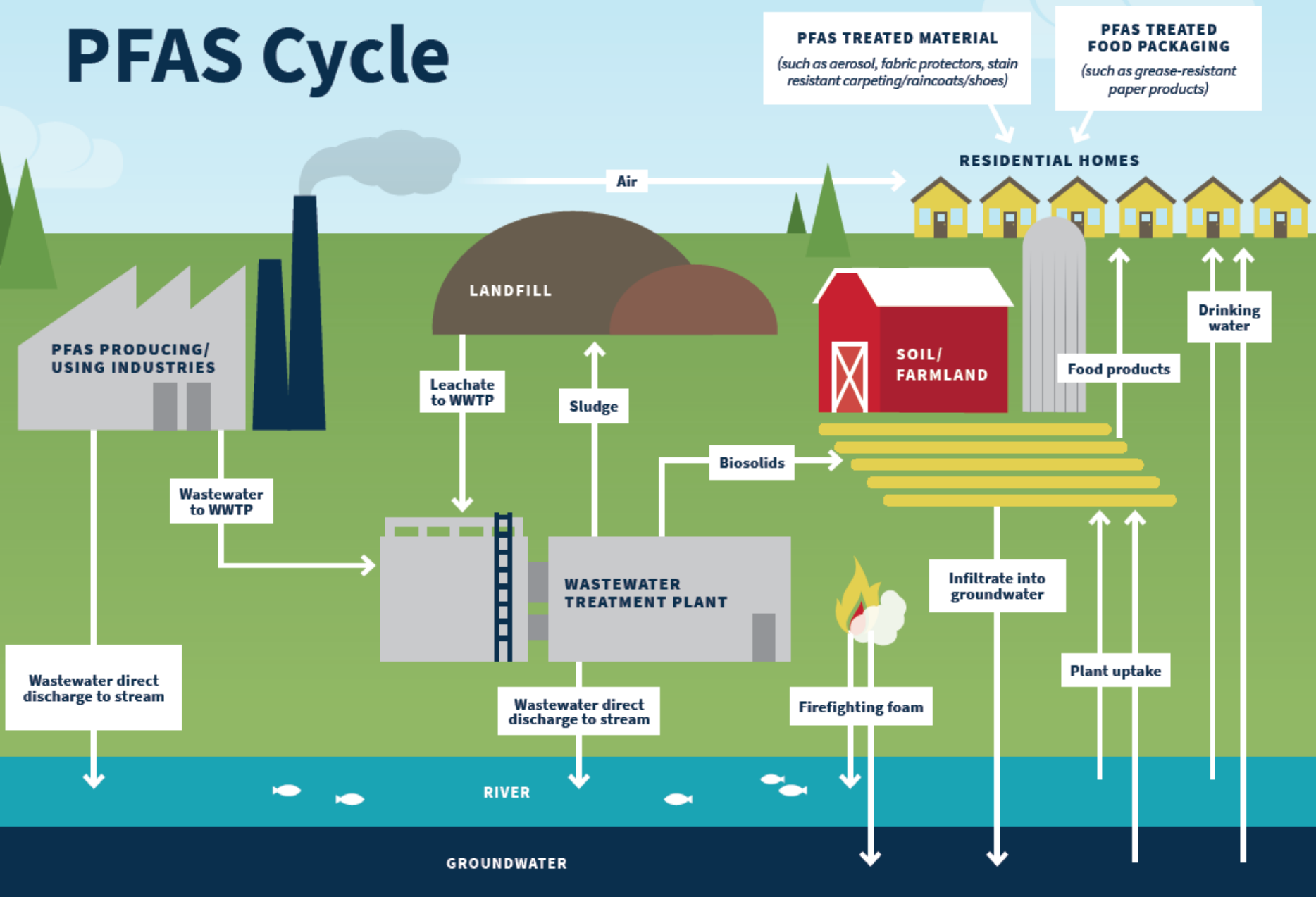


# Per- and polyfluoroalkyl substances (PFAS)

- ▶ Disposal of high concentration PFAS waste may be problematic for some disposal sites
- ▶ DEQ's mission is to protect people and the air land and water



# PFAS Cycle





# PFAS Solid Waste Rules

- ▶ Define PFAS waste streams of concern
- ▶ Disposal facility demonstration
- ▶ Generators--characterize and disclose PFAS
- ▶ Groundwater monitoring
- ▶ Out-of-state generators



# Guidance from other states

## How to Dispose of PFOS-Based AFFF

AFFF must be disposed of properly. Although it is not characteristic for hazardous waste, nor is it listed as a regulated hazardous waste under RCRA, ADEC recommends that it be solidified and shipped to a non-hazardous waste landfill out of state that will accept this waste...

Source: Alaska Department of Environmental Conservation



# Rulemaking Timeline

- ▶ Solid Waste Management Advisory Council
- ▶ July 8, 2021
- ▶ September 9, 2021
- ▶ January 2022
- ▶ Environmental Quality Board
- ▶ Legislature and Governor





# Solid Waste Funding Opportunities

- ▶ Environmental Officer Grants
- ▶ Equipment Grants
- ▶ Collection Event Grants
- ▶ Professional Service/Other Grants
- ▶ Food Waste Management Projects  
(New in FY22)

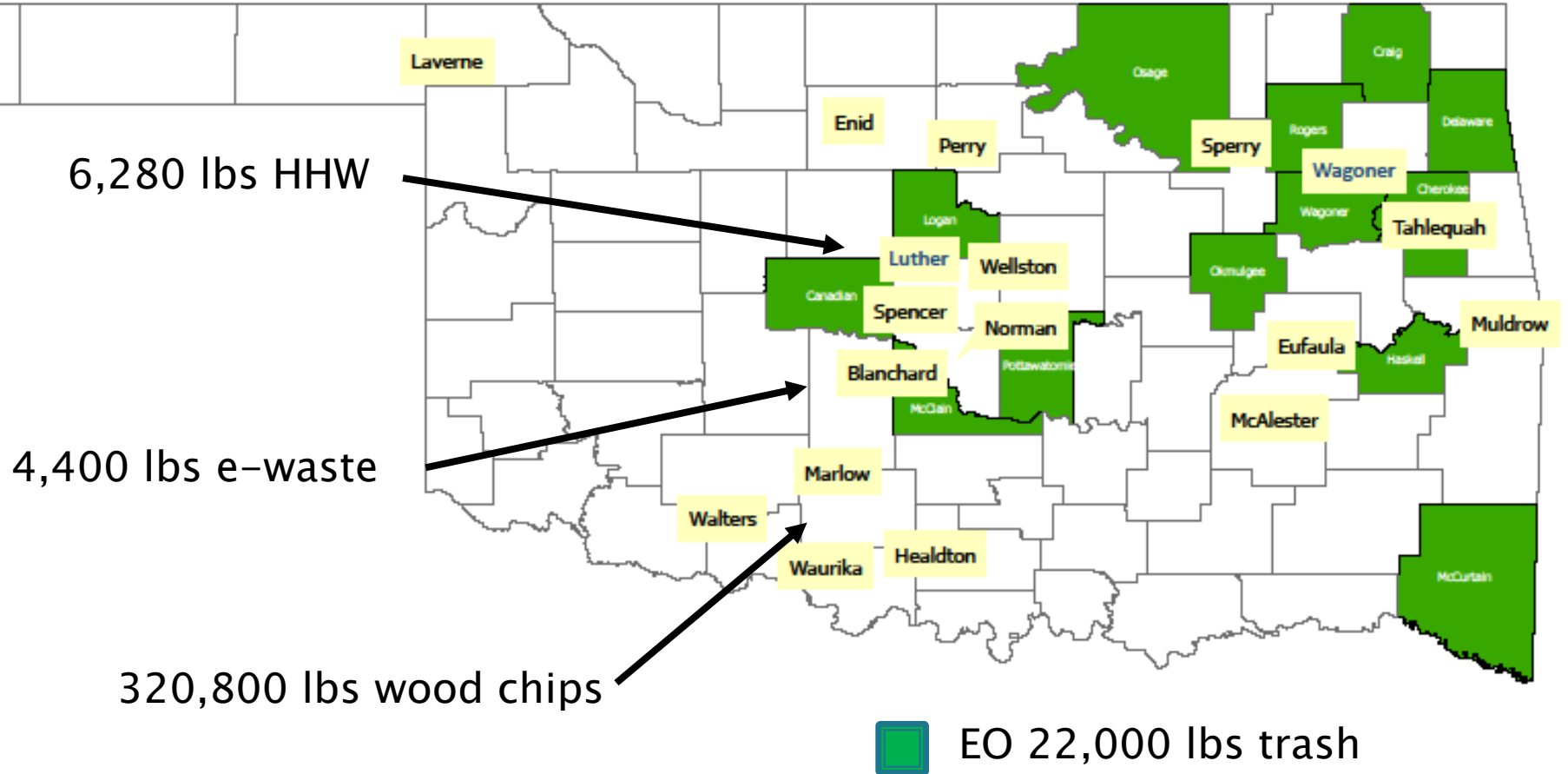
# Funding



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## FY21 Solid Waste Management Grants



### Additional Contracts:

Ponca Tribe, the Oklahoma Corporate Circuit Engineering Board (OCCEBD), the Solid Waste Institute of NE OK (SWINO), Product Stewardship Institute (PSI), Keep Oklahoma Beautiful (KOB), Sustainable Tulsa, M.e.t, OKC Beautiful, and the Oklahoma Recycling Association (OKRA)







can identify these people to please contact 918-287-3131 and tell the dispatcher who these people are.

If you see this picture and you're the one in it please feel free to also call in and arrange to go get your trash. Deputy Mcalister would love to visit with you!



Write a com...



# Environmental Officer Program

- ▶ Covert Cameras
- ▶ Value of social media
- ▶ Restorative justice

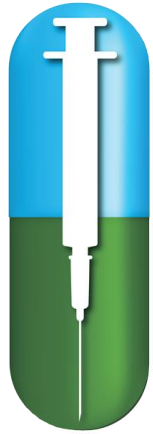


# Legacy roadside dump









# OMSDC

Oklahoma Meds & Sharps Disposal Committee

- ▶ Stakeholder-led
- ▶ Non-regulatory
- ▶ Initiated in response to concern voiced by regulated community
- ▶ Paid for with existing solid waste fee money



aquatic impacts  
water quality  
**environment**



accidental  
poisonings drug  
abuse  
**safety**





# OMSDC

Oklahoma Meds & Sharps Disposal Committee



## ProtectMe

I Keep Your Neighborhood Clean  
Keep Me Safe from Injury

**Safely Dispose of Your Medical Sharps**

**#OKSafedisposal**





# OMSDC

Oklahoma Meds & Sharps Disposal Committee



## ProtectMe

Keep Us Safe; Don't Put  
Medical Sharps in with Recycling

**Safely Dispose of Your Medical Sharps**

**#OKSafedisposal**



# PROTECTME

Help Me Grow Up Healthy,  
Keep My Drinking Water Clean

**Safely Dispose of Your Meds**

#OKSafedisposal



## OMSDC

Oklahoma Meds & Sharps Disposal Committee







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# ProtectMe

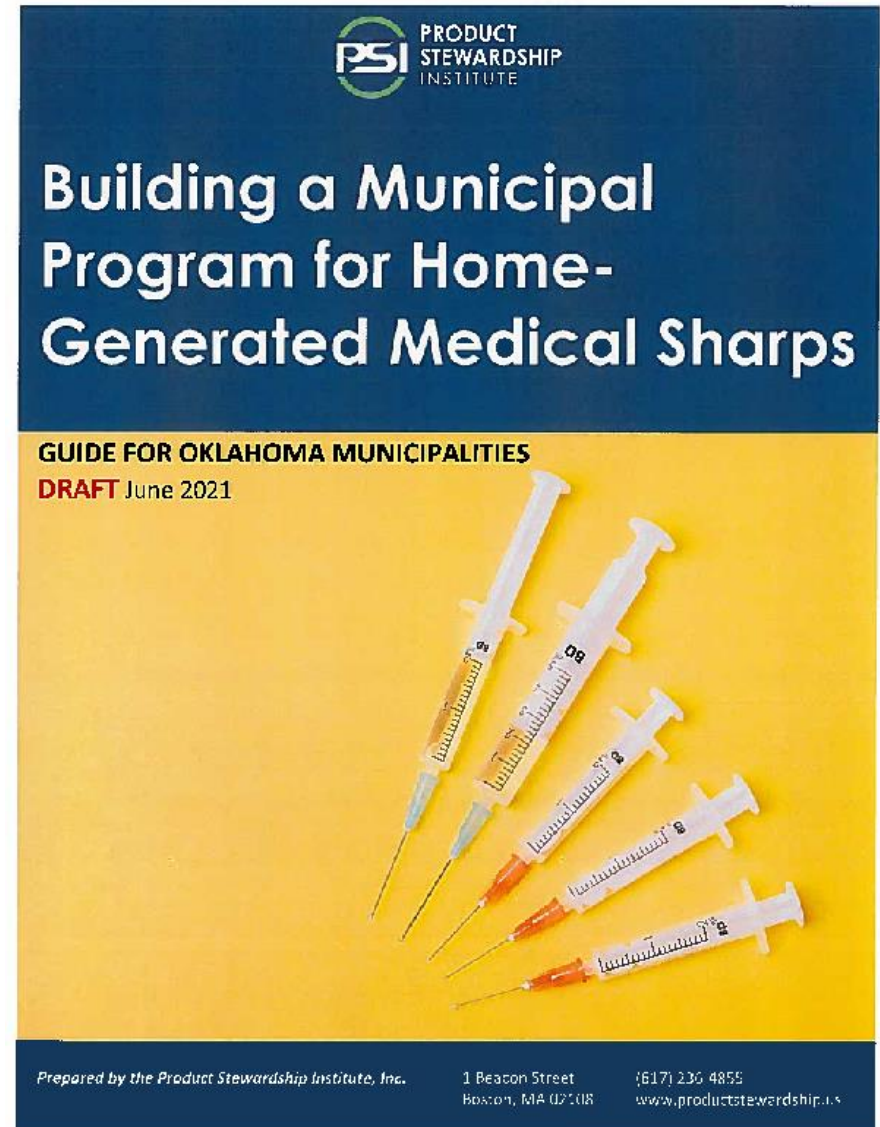
Flushing Meds Pollutes the  
Water I Swim In

**Safely Dispose of Your Meds**

**#OKSafedisposal**

# Improving Sharps Disposal

- ▶ Non-regulatory
- ▶ Tool for municipalities
- ▶ Response to Industry concerns







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