Contra Costa Safe Medicine Disposal Forum

JFK University July 18, 2013

Overview

- Environmental Impacts
- Human Impacts
- Collection Efforts
- SB 727 and Extended Producer Responsibility (EPR)
- Manufacturer Perspective on EPR
- Retail Perspective on EPR

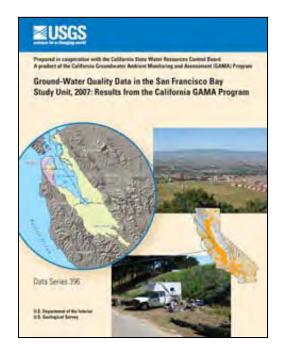


Environmental Impacts

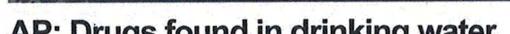


Environmental Impacts

- 2002 US Geological Survey
 - Tested 139 streams across 30 states
 - 80% had measurable concentrations of prescription and non-prescription drugs, steroids and reproductive hormones.



Pharmaceuticals in the News



AP: Drugs found in drinking water

Updated 31d ago | Comments

147 | Recommend

76

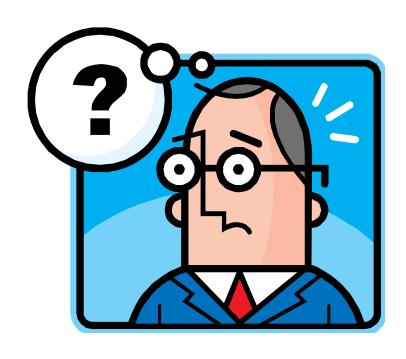
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By Jeff Donn, Martha Mendoza and Justin Pritchard, Associated Press

A vast array of pharmaceuticals including antibiotics, anti-convulsants, mood stabilizers and sex hormones have been found in the drinking water supplies of at least 41 million Americans, an Associated Press investigation shows.

How Do Drugs Get Into Our Drinking Water Supplies???



How Do Drugs Get Into Our Drinking Water Supplies???

Pharmaceuticals in drinking water

An estimated 90 percent of pharmaceuti-

cals in the environment come from

consumers. Many drugs end up in toilets,

unmetabolized by the body or thrown away.

An investigation by The Associated Press found that drinking water supplied to at least 41 million Americans carried residues of antibiotics, anti-convulsants, mood stabilizers, sex hormones and other pharmaceuticals.

Drinking water

treatment plant

Drug consumption Wastewater treatment plant

Surface water

Sowage treatment plants were designed to remove diseasecausing microbes and pathogens from water - not pharmaceuticals. Testing has confirmed more than 100 different pharmaceuticals in surface waters. Fish, mollusks and algae are adversely affected by contamination.

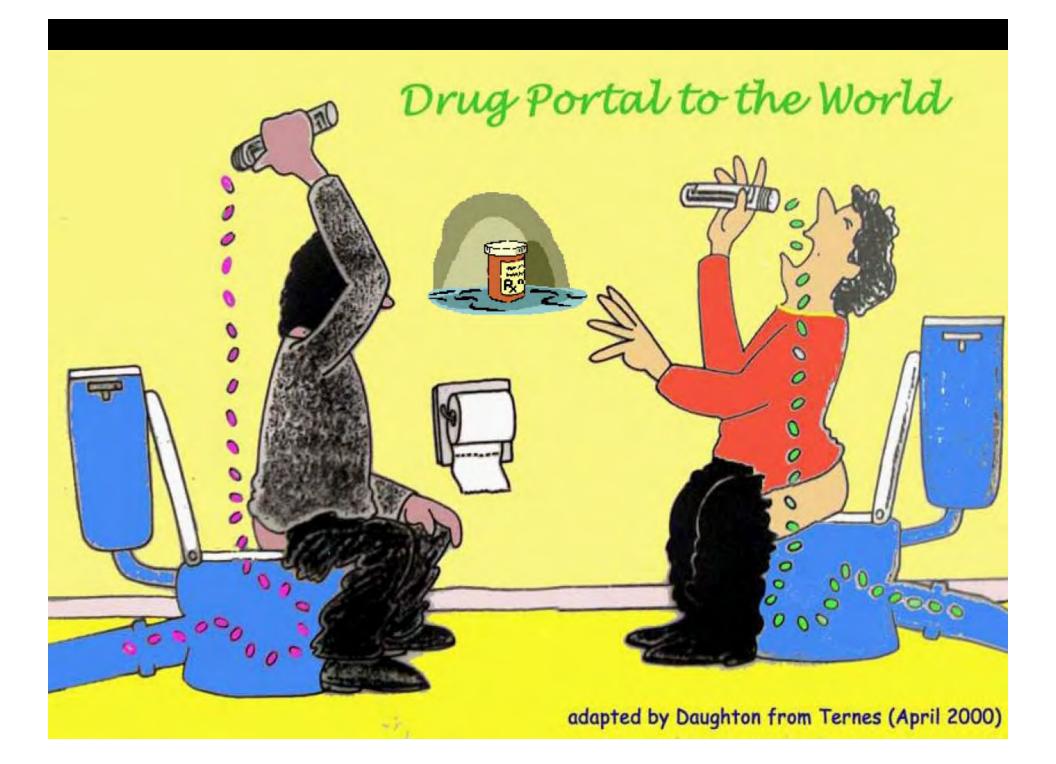
Standard treatments used to clean drinking water are not good at removing pharmaceuticals.

Humans may be affected by the consumption of water that contains pharmaceuticals.

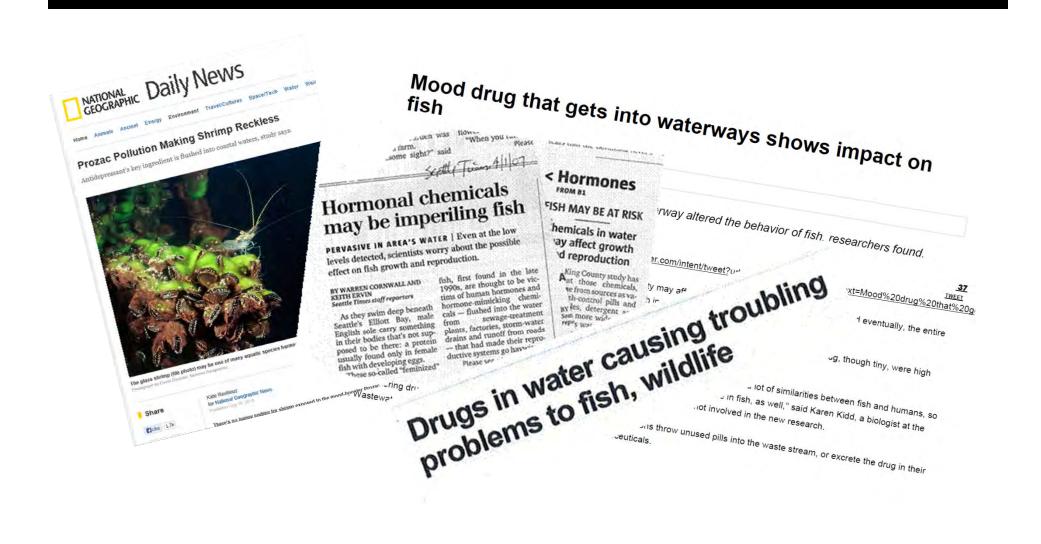
A cup of water

with traces of drugs

ASSOCIATED PRESS



Pharmaceuticals in the News





Pharmaceuticals and Wastewater Treatment

- Most wastewater treatment plants were built decades ago.
- Thousands (?) of new medicines and chemicals have been created since that time.
 - Pesticides, plasticizers, flame retardants, cleaners, antibacterial agents, personal care products, etc.
- There is removal, but treatment plants aren't designed to remove dilute concentrations of a myriad of complex chemicals.

Pharmaceuticals in the Water Environment

- Pharmaceuticals are designed to impact biological systems in small doses.
- Intersex fish have been found around the country in effluent-dominated water bodies.
 - Many pharmaceutical and chemical compounds have an estrogenic effect on living organisms.
- Current levels of pharmaceuticals in waterways are not at therapeutic doses for humans, but will that change? When? What about fish?

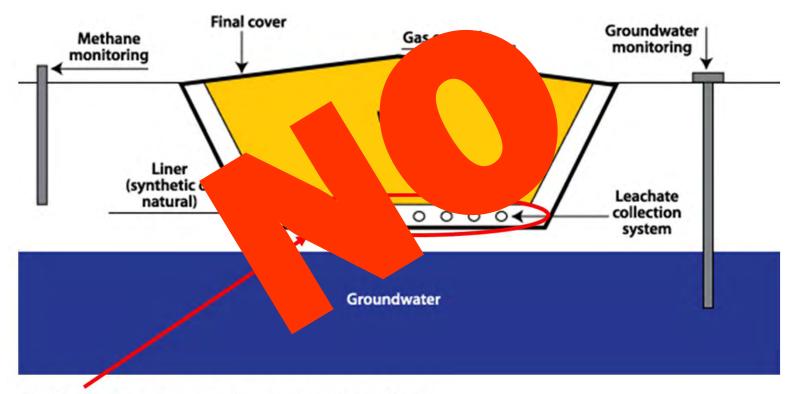
Reducing the Flow of Pharmaceutical Compounds to the Environment

- Source control is always less expensive and more effective than end-of-pipe treatment.
- Yanking drugs off shelves and sending them back to the manufacturers for redesign is not an option.
- Unwanted and expired medications are the "low hanging fruit."

No Drugs Down the Drain!



Is Trash the Answer?



Where does leachate go?

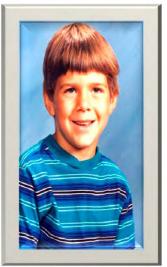


National Coalition Against Prescription Drug Abuse (NCAPDA)

April Rovero Founder, CEO

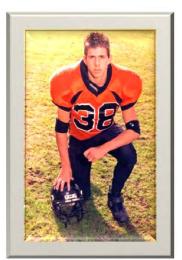
Joseph John Rovero, III

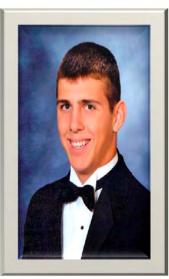






March 9, 1988 RIP Dec. 18, 2009







National Epidemic





Prescription Drugs More Abused Than All Illegal Drugs Combined (except marijuana)



MISCONCEPTION

Safer Than Street Drugs Because Doctor Prescribed

Just as Deadly

They Are...

Just as Addictive

Just as Illegal



How Bad Is It?

37,485+ Drug Induced Deaths in 2009

2,500 Teens Abuse a Painkiller for the First Time Every Day

Prescription Drug Deaths
Now Outnumber Traffic
Accidents in the U.S.

4x Increase in Substance
Abuse Treatment Admissions
from 2004 to 2008

1 Prescription Drug Overdose Every 15 Minutes



Contra Costa County Data Accidental Drug Deaths

2008-2012

408 Total Drug Related Deaths

307 Involved Prescription Drugs



Community Impact



Death



Crime



Family Trauma



Drugged Driving



Financial Cost \$72B/Year

Which PDs Are Most Abused?









Pill Party Danger



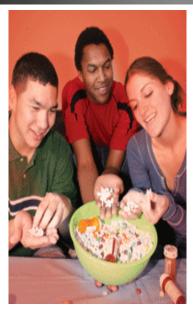




"Pharm Party"

"Skittle Party"





National PDA Prevention Plan

Office Of National Drug Control Policy (ONDCP)



Essential: Medication Management



Lock Them Up



Dispose of Expired and Unwanted Medications

National Coalition Against Prescription Drug Abuse (NCAPDA)

925-480-7723 www.ncapda.org



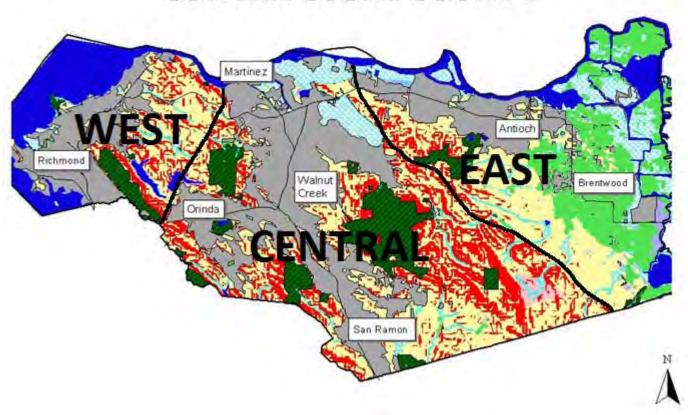
Spread the Word...One Pill Can Kill

Contra Costa Safe Medicine Disposal Forum July 18, 2013 6:00 – 8:00 PM

Current Medicine Disposal Locations In Contra Costa County

Contra Costa County – 3 Regions for Collection Programs

CONTRA COSTA COUNTY



Central Contra Costa County

- 1. City of Walnut Creek, City Hall
- 2. Contra Costa County, Sheriff's Field Operations Building
- 3. Contra Costa County, County Hospital
- 4. City of Clayton, Police Department
- 5. City of Martinez, Police Department
- 6. Town of Moraga, Police Department
- 7. City of Orinda, Police Department
- 8. Town of Danville, Police Department
- 9. City of Pleasant Hill, Police Department
- 10. City of San Ramon, Police Substation
- 11. City of Concord, Police Department
- 12. Town of Alamo, Sheriff's Substation Coming soon







Central Contra Costa County Collection Information

Total collected volume for all 11 collection sites:

Pilot 2/2009 to 6/2009 - 3 sites collected: **1,516 pounds**

FY 2009/10 - 11 sites collected: **7,199 pounds**

FY 2010/11 - 11 sites collected: **9,947 pounds**

FY 2011/12 - 11 sites collected: **10,963 pounds**

FY 2012/13 (estimated) - 11 sites collected: **12,476 pounds**

Total Collection: 42,101 pounds

West Contra Costa County

- 1. Richmond Household Hazardous Waste (HHW) Facility
 - Fiscal Year 2008-2013: 31,805 pounds*
- 2. San Pablo Police Station*
- 3. Pinole Police Station*
- 4. West County Wastewater District*
- 5. El Cerrito Recycling + Environmental Resource Center
 - May December 2012: 2,739 pounds
- 6. Kensington Fire Station
 - Hosts two take-back events per year
- 7. City of Richmond Police Station
 - September 2012 Current: 200 pounds

*Collection brought to the Richmond HHW Facility and included in the 31,805 pounds collected

Total Collection: 34,744 pounds





East Contra Costa County

- 1. Delta Household Hazardous Waste Collection Facility
 - 2007 2013: 4,823 pounds



- 2. City Center Pharmacy, Pittsburg
 - Not able to get collection information at this time.
- 3. City Center Pharmacy, Brentwood
 - 2012-2013: 195 pounds
- 4. Antioch Police Department
 - Currently disposing of collected medications through the DEA take-back events.

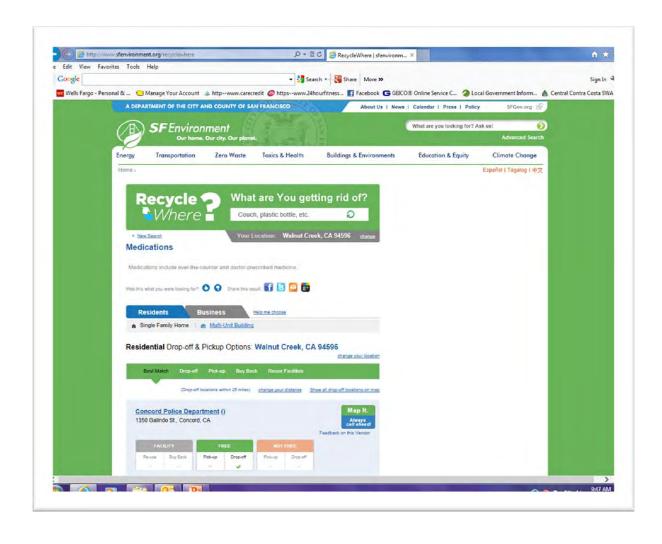
Total Collection: 5,015+ pounds



RecycleWhere?

www.sfenvironment.org/recyclewhere

31 Drop-off
Locations by
Entering
Walnut Creek.



Contact Information

Central Contra Costa County:

- Central Contra Costa Sanitary District:
 David Wyatt
 DWyatt@centralsan.org
- Central Contra Costa Solid Waste Authority:
 Ashley Louisiana
 Ashley@wastediversion.org

West Contra Costa County:

RecycleMore:

 Nicole Forte
 NicoleF@recyclemore.com

East Contra Costa County:

 Delta Diablo Sanitation District: Amanda Roa AmandaR@ddsd.org











Contra Costa Safe Medicine Disposal Forum July 18, 2013

CPSC Mission



To shift California's product waste management system from one focused on government funded and ratepayer financed waste diversion to one that relies on producer responsibility in order to reduce public costs and drive improvements in product design that promote environmental sustainability.



Product stewardship vs. EPR

Product Stewardship: Lifecycle and Sustainability

EPR:

Manufacturer responsibility for managing product and packaging at end-of-life

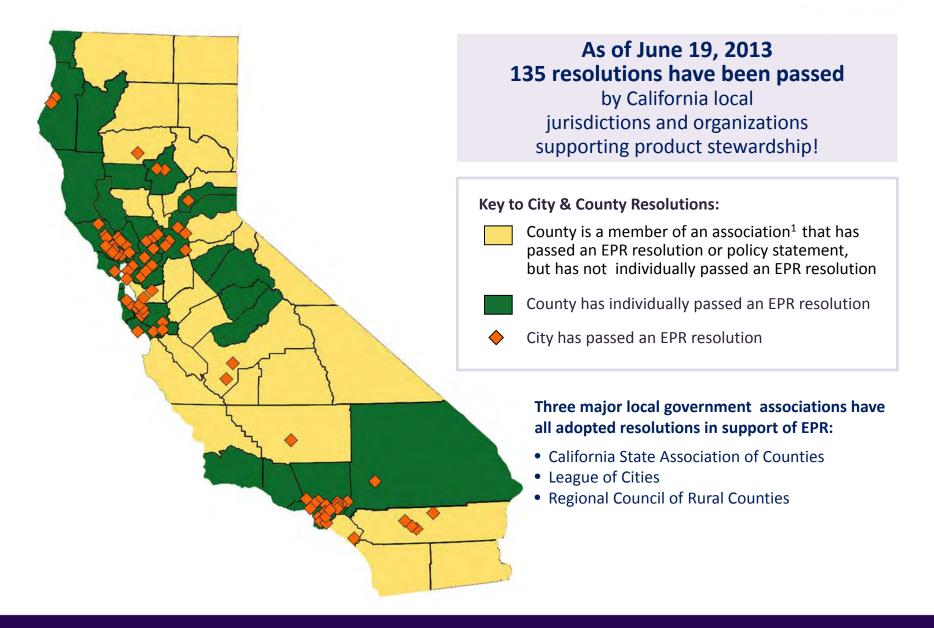






EPR Resolutions Adopted







Who Should Pay? Question Asked of Focus Group Retailers & Consumers

- Don't make general taxpayers and ratepayers pay
- Consumers and retailers say producers should be responsible
- Add cost to purchase price
- Want producers to make less toxic products

"If they're going to be manufacturing these things, they need to be responsible." – Retail Focus Group Participant



King County: Med Problem Statement Why Producer Responsibility?

 Drug <u>overdose deaths have surpassed car crashes</u> as a leading cause of preventable death in King County.

Medicines used in the home are the leading cause of

poisonings, especially among children

and seniors.

 Medicine take-back programs provide secure collection and destruction of unwanted medicines to protect public health and the environment.

 Currently, no sustainable financing for a medicine take-back system that meets community needs.





Epidemic: Responding to America's Prescription Drug Abuse Crisis

2013 National Drug Control Strategy:

- 1. Education of health providers and the public.
- 2. Expand prescription monitoring programs.
- Safe drug disposal increase return/take-back and disposal programs.
- 4. Effective enforcement to address "pill mills" and "doctor shopping."







- Industry Stewardship Plan
- Develop program plan
- Implement program
- Administer program
- Reporting



2010: San Francisco Safe Drug Disposal Ordinance INDEFINITELY SUSPENDED

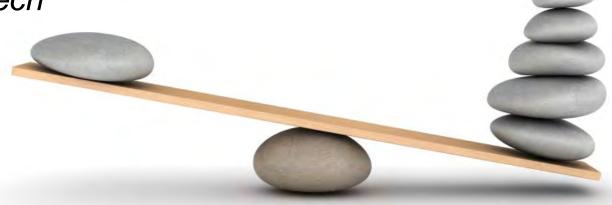
- SF develops a Stewardship Plan template with metrics
- Producers submit plan describing collection system, convenience, outreach and performance
- SF approves the plan
- Producers submit an annual report, including volumes
- Phased-In: Prescription, non-prescription, controllect substances

Voluntary Collaborative Pilot



Funding (\$110,000)

From PhRMA and Genetech



Collection

Program Logistics

Outreach



SF Drug Disposal Information Ordinance

- All pharmacies conduct outreach
- "...posted in an area visible to the public & adjacent to the area where prescription drugs are dispensed"









SAFE DISPOSAL HERE

可在此處安全棄置

DEPOSITE SUS MEDICAMENTOS AQUI



To find more sites in San Francisco:

尋找更多位於舊金山的地點:

Para encontrar más sitios en San Francisco:

sfenvironment.org/medicinedisposal (415) 355 - 3700

SF Residents only. 限三藩市居民。

Para los residentes de San Francisco solamente

Controlled substances only accepted at designated police stations. 受控藥物質只接受在指定的警察局。 Se aceptan sustancias controladas en la delegación de policia de SF solamente





Drug disposal bill could resurface if funding for SF program is not found

By: Joshua Sabatini | 01/15/13 SF Examiner



- Supervisor President David Chiu sent a letter to the PhARMA asking them to fund a prescription drug disposal program in San Francisco.
- Read more at the San Francisco Examiner:
 http://www.sfexaminer.com/local/2013/01/drug-disposal-bill-could-resurface-if-funding-san-francisco-program-not-found#ixzz2M6kKpoPh

Alameda County, CA Ordinance EPR for Meds Adopted July 2012



Disposal Bins – 28 locations

- Located at convenient designated sites, including unincorporated areas
- Drop off pills only (no containers)
- Picked up by integrated waste control and shipped to disposal site
- \$40,000 per year disposal costs
- Significant use of volunteers
- Real cost est. over \$300K/yr

https://www.youtube.com/watch?v=-6eUT8K0akc

Alameda Ordinance Links



Alameda County Environmental Health

Safe Drug disposal program webpage

http:///www.acgov.org/aceh/safedisposal/index.htm

Safe Drug Disposal Liaison Email address

safedrugdisposalliaison@acgov.org

DEA Controlled substances disposal draft regulations

http://www.deadiversion.usdoj.gov/fed_regs/rules/2012/fr1221_8
httm

Product care http://www.productcare.org/

Paintcare http://paintcare.org/

RBRC http://www.call2recycle.org/

PCPSA http://www.healthsteward.ca/



The New York Times

Article in the New York Times 12/7/12:

"The household trash can is a better and safer alternative, the drug makers say"

Lawsuit Filed 12/7/12



- Three organizations filed lawsuit against Alameda County: Pharmaceutical Research and Manufacturers of America (PhARMA), General Pharmaceutical Association (GPhA) & Biotechnology Industry Association (BIO)
- Filed in Federal Court alleging violation of the Commerce Clause of the Constitution
- Both sides have filed motions for summary judgment and the hearing date is set for Aug. 1st, 1:30 pm Courtroom 3, San Francisco Hon. Richard Seeborg presiding

CA. Leg/Reg Activity



- CA SB 966 (Simitian) 2007
 - Developed <u>"model program" guidelines</u>
 - 2010 Report to the legislature encouraged extended producer responsibility (EPR) legislation
- AB 1442 (Weikowski) 2012
 - Amended Med Waste Mgmt Act Allows common carrier transport (instead of costly medical waste haulers) of pharma waste
- CA SB 727 (Hannah Beth Jackson) 2013
 - Producer Responsibility bill for pharmaceuticals



SB 727 – EPR for Medications

- Mirrors Alameda Ordinance, added OTCs
- Two-year bill
- Stakeholder meetings
- Contact Linda Barr at Senator Jackson's office
 916-651-4536 <u>Linda.Barr@sen.ca.gov</u>



Secure Medicine Return for King County, WA



Margaret Shield

Local Hazardous Waste Management Program in King County June 11, 2013 – Pharmaceutical Waste Stewardship Summit



King County Board of Health

Legislative body that sets county-wide policies and regulations to protect and promote the health of King County residents.



Board Chair Councilmember Joe McDermott



Boardmember Mayor David Baker

Subcommittee on Secure Medicine Return

- First meeting July 2013, collected input from stakeholders during summer through fall of 2012.
- Policy discussions October 2012 through April 2013.
- Public hearing held May 16th on draft legislation.
- Public hearing & adopted June 20th

http://www.kingcounty.gov/healthservices/health/BOH/Medicine <u>Takeback.aspx</u>

Overview of Proposed Secure Medicine Return Rule & Regulation

Producers develop a stewardship plan

Producers must work together in the "standard" plan, unless approved to form an "independent" plan.

Drug producers pay for:

- Collection supplies, prepaid mailers, collection events
- Transporting collected medicines and final disposal
- Program promotion and evaluation
- Administrative costs
- Fees to Public Health to reimburse costs of oversight

Voluntary bin hosts will provide in-kind staff time at drop-off sites.

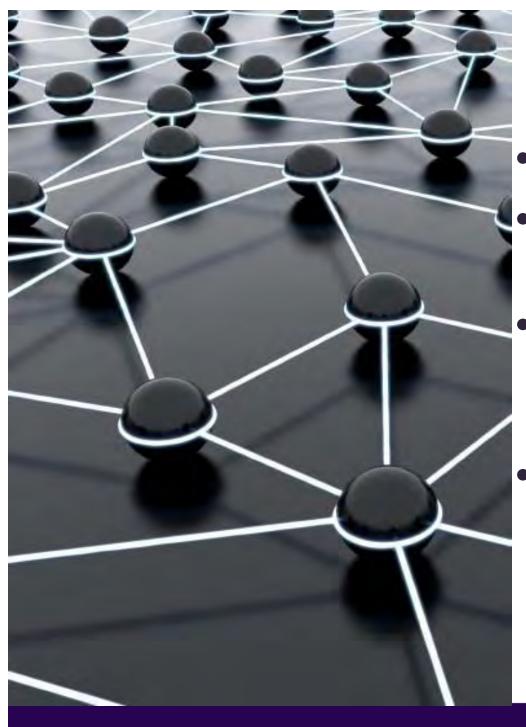
County Haz Waste will assist with start-up costs of secure drop boxes and with education/promotion.

Don't Rush to Flush Campaign





- twitter.com/DontRushToFlush
- www.facebook.com/DontRushToFlush
- www.DontRushToFlush.org



Get Connected

- Join CPSC
- Follow CPSC on Facebook, get on listserv
- Establish EPR transitional collections in partnership
- Get on SB 727
 stakeholder list and participate in state bill discussions

Join CPSC



Heidi Sanborn
Executive Director
heidi@calpsc.org
916-706-3420

www.CalPSC.org

Connect!











What Can YOU Do?



Things You Can Do

- Lock up your medications
 - www.dea.gov
 - www.medicineabuseproject.org
- Safety dispose of the unused medications in your home
 - * Visit a collection site near your home
 - * Participate in the next DEA –"Got Drugs" one-day collection event October 26th

Visit www.dea.gov for more information

 Work with your doctor to minimize highly addictive narcotics prescriptions and don't stockpile them.

Educational Resources

- Join the CCC Prescription Drug Abuse
 Prevention Coalition next meeting: August 1st
 9am 11am, 1980 Muir Road in Martinez
- Sign-up to learn more about SB 727
 www.calpsc.org
- Learn more about the Medicine Abuse Project

www.MedicineAbuseProject.org

