



Spokane Aquifer Joint Board

Wellhead Implementation Program Manager's Report

September 25, 2014

PCSI Background Facts

- 2010 PCSI mailing went to 3,302 businesses
- 2012 PCSI mailing went to 2,886 businesses
- 2014 mailing, as of now, will go out to 1,761 or fewer businesses.

2014 PCSI

Reanette Boese prepared four excel worksheets of PCSI information based on the most recent Capture Zones.

Which do you want to use for the PCSI mailing?

- #1 mails to 595 sites within the defined capture zones.
- #2 mails to 879 sites within the defined capture zones and the 250' buffer around the capture zones.
- #3 mails to 86 sites within 500 feet of wells.
- #4 mails to 1760 sites.

2014 PCSI Business Insert



SPOKANE AQUIFER JOINT BOARD
Local Water Utilities United for Safe Drinking Water
www.spokaneaquifer.org

Your business can help protect our aquifer and drinking water.

We have some of the cleanest and most affordable drinking water in the world. As a business owner, safe waste disposal practices help protect our water and lower your business liability. Find business resources at www.spokaneaquifer.org.

Need to dispose of waste? Go to...

www.SpokaneWasteDirectory.org



Get free promotion and recognition for best management practices and safe waste disposal. Apply for Spokane EnviroStars Certification at www.spokaneenvirostars.org



**Remember... Don't pollute your
Drinking Water...it's Beneath you!**

QUICK CONTACT GUIDE SPOKANE BUSINESS RESOURCE

Washington State Dept. of Ecology

Spills, 24-Hour Ecology Response & Toxics Reduction
www.ecy.wa.gov 329-3400
e-cycle 1-800-RECYCLE

Spokane Waste Directory

Find vendors to safely dispose of your wastes
www.spokanewastedirectory.org

City of Spokane

Solid Waste Disposal Information 625-6580
Wastewater Pretreatment Program 625-4600
Spills to City Sewer 625-7900
After Hours 625-4615
www.spokanecity.org

City of Spokane Valley

?????

Spokane County Wastewater Pretreatment Program

477-7450
Spills to County Sewer 477-1984
After Hours 459-9330

Washington State Dept. of Health

Drinking Water Division 329-2100
After Hours 1-877-481-4901
www.doh.wa.gov/ehp/dw

Spokane County Utilities

Water Resources Program 477-3604
www.spokanecounty.org/WQMP

Spokane Regional Health District

Environmental Health 324-1560 x 9
www.srhd.org

Spokane Regional Clean Air Agency

Air Quality, Asbestos, Woodstoves,
Outdoor Burning, Permits 477-4727
www.spokanecleanair.org

2015 Aquifer Atlas Pollution Prevention in the Home

SVRP AQUIFER PROTECTION

Household Hazardous Waste

Many products that we use every day contain hazardous materials that can be dangerous to people, water, and the environment!



WHAT TO DO

- Use products that are non-toxic and environmentally friendly.
- Read and follow directions carefully when using any hazardous product.
- Store products in their original containers and label them clearly.
- Store products above basement flood level, and off the ground in garages and sheds.

WHAT NOT TO DO

- ✗ Don't throw toxic substances or their containers in the trash.
- ✗ Never pour leftover products down sink drains or into the toilet.
- ✗ Do not dump toxics into storm drains.
- ✗ Do not dispose of household hazardous waste in streams, rivers, or lakes.
- ✗ Never store products at ground level.



Use safe housekeeping practices when storing, handling, and disposing of harmful materials, including automotive fluids, cleaning products, fertilizers and pesticides, fluorescent lights, medications, paint, and swimming pool or hot tub chemicals.

SOME THINGS DON'T BELONG IN YOUR DRAIN. THEY CAN CLOG PIPES AND POLLUTE OUR WATER!

Toilet Cloggers

Household drains and toilets are designed to take only used water, human waste, and toilet paper.

Many products, like wipes, claim to be "flushable." But that doesn't mean these items are treatable in the wastewater system!



Sink Cloggers

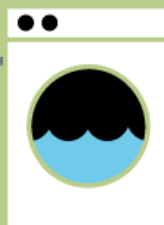
Eliminate the use of garbage disposals.

Ground-up garbage does not decompose easily, causes buildup of solids in septic tanks, and may clog distribution pipes.



Polluters

Medications and toxic substances, including chemicals, cleaners, degreasers, oils, paints, disinfectants and pesticides should never be put down the drain.



Laundry Cloggers

Use liquid laundry detergent, and use it sparingly.

Powdered detergent is more likely to have fillers that could damage a septic system!

Remember, what goes down the drain doesn't just disappear, it ends up in our water! The following list of items should never be poured down the drain or flushed in the toilet:

- | | | | |
|-------------------|---------------------|----------------|----------------|
| ✗ Baby wipes | ✗ Coffee grounds | ✗ Food | ✗ Nursing pads |
| ✗ Band-aids | ✗ Condoms | ✗ Grease | ✗ Paper towels |
| ✗ Bandages | ✗ Cotton balls | ✗ Hair | ✗ Plastic bags |
| ✗ Chemicals | ✗ Dental Floss | ✗ Kitty litter | ✗ Q-tips |
| ✗ Chewing gum | ✗ Diapers | ✗ Kleenex | ✗ Rags |
| ✗ Cigarette butts | ✗ Eggshells | ✗ Medications | ✗ Vitamins |
| ✗ Cleaning wipes | ✗ Feminine products | ✗ Napkins | ✗ Wrappers |

"You can be a superhero, too, by protecting the Aquifer! Our rivers, lakes, and groundwater are priceless, and together we can keep water clean."

- Aqua Duck

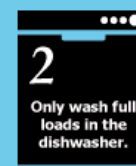
11 WAYS to conserve WATER in the HOME

Shorten shower times, and choose showers over baths.



A full bathtub requires 70 gallons of water, while a 10-minute shower uses 25 gallons!

2 Only wash full loads in the dishwasher.



Use a broom, not a hose, to clean driveways and sidewalks.



3 Only wash full loads of clothes, and use a front-loading washing machine and suds savers to save water.



4 Use a stopper in the sink if washing dishes by hand.



6 Know where the water shut-off valve is in your home.



7 Repair leaky pipes, running toilets, and dripping faucets ASAP.

Faucets that drip once per second waste over 3,000 gallons a year!



8 Keep a pitcher of water in the fridge rather than letting the water run in the sink until it turns cold.



9 Install aerators and flow reducers in sinks and bath faucets.



Replace old appliances and fixtures with energy-efficient models. Look for the EPA Water Sense and Energy Star logos!



11 Convert older toilets to low-flow with a displacement device.

Aquifer Atlas Household Waste Disposal

LET'S PULL THE PLUG ON E-WASTE!

A typical 17-inch computer contains roughly 2.2 pounds of lead. Lead is a toxic substance that may cause lead poisoning!

E-waste consists of all discarded, surplus, obsolete, and broken household or business electronic devices and electric appliances.

As rainwater flows through a landfill, it dissolves many of the toxic compounds found in e-waste.

The contaminated landfill water, called leachate, eventually escapes the many layers of landfill liner. When the leachate reaches groundwater, it can be lethal to humans. For the SVRP aquifer, this could threaten the drinking water for over 600,000 people!

WHAT IS E-WASTE?

WHY IS E-WASTE A PROBLEM?

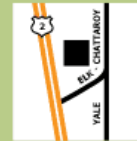
E-WASTE LEACHATE & THE AQUIFER

SPOKANE COUNTY WASTE DISPOSAL SITES

Hotline - 509.625.6800 Office - 509.625.6580

Spokane County provides three transfer stations where residents can dispose of trash, recyclables, yard waste, and household hazardous waste. Facilities are open seven days a week for residential customers. Hours: 7:00 a.m. - 5:00 p.m.

North County Transfer Station
22123 N. Elk-Chattaroy Road
Colbert, WA 99005



Valley Transfer Station
3941 N. Sullivan Road
Spokane Valley, WA 99216



Waste to Energy Facility
2900 S. Geiger Boulevard
Spokane, WA 99224



POLLUTION PREVENTION

KOOTENAI COUNTY WASTE DISPOSAL SITES

Hotline - 208.446.1433 Office - 208.446.1430

Kootenai County provides two, full-service transfer stations. The transfer stations are open to the general public and waste hauling companies seven days a week. Hours: 8:00 a.m. - 4:55 p.m.

Ramsey Transfer Station
3650 N. Ramsey Road
Coeur d'Alene, ID 83815



Prairie Transfer Station
15580 W. Prairie Avenue
Post Falls, ID 83854



NOTE: All waste disposal facilities in Kootenai and Spokane Counties are closed on the following holidays: New Year's Day, Memorial Day, 4th of July, Labor Day, Thanksgiving Day, and Christmas Day.



ELECTRONIC WASTE BREAKDOWN IN THE UNITED STATES

56%
18%

Televisions
Electronics Packaging

10%
6%

Business Electronics
Monitors

6%
4%

Household Electronics
PCs

ACCORDING TO RESEARCH, E-WASTE IS GROWING AT 3X THE RATE OF OTHER MUNICIPAL WASTE!

LOCAL RESOURCES FOR WASTE MANAGEMENT

EnviroStars Waste Directory
www.spokaneriver.net/waste-admin/

Kootenai County Solid Waste
www.kcgov.us/departments/solidwaste/

Panhandle Health District
www.phd1.idaho.gov

Spokane City Solid Waste
www.spokanecitysolidwaste.com

Coeur d'Alene Lake*A*Syst
www.ourgem.org/documents/landowner/hazardouswastes.pdf

Idaho Department of Environmental Quality
www.deq.idaho.gov/media/1074/deq-recycling-guide.pdf

Spokane County
www.spokanecounty.org/utilities/solidwaste/

Spokane County Regional Solid Waste
www.solidwaste.org
Hotline: (509) 625-6800

STATE AND FEDERAL RESOURCES FOR WASTE MANAGEMENT

IDAHO

The Idaho Department of Environmental Quality provides information on household hazardous waste and pollution prevention, and offers regulatory and technical assistance.



To visit their website, go to:
www.deq.idaho.gov

WASHINGTON

Households, small businesses, school districts, small governments, and charities can recycle products free of charge through E-Cycle Washington.



To find electronic recycling services in your area, call 1-800-RECYCLE or visit:
1800recycle.wa.gov

UNITED STATES EPA

The Environmental Protection Agency offers information on proper waste disposal, household hazardous waste, and recycling.

For more details about computers and their impact on landfills, visit:
www.epa.gov/waste



Spokane River Forum Conference

11/19-20/2014 CDA Resort

- Plenary Sessions 11/19/14
 - Water Supply 101- Truth Fiction & Values
 - Green Infrastructure and Interstate Collaboration: The Lancaster PA Story
 - Assessing Values and Changing Behaviors - WSU
- Plenary Sessions 11/20/14
 - WISDM Bi-State Water Planning in a Virtual World
 - Climate Change: Science Based research to Help Managers and Policy Makers Address Effects on Stream Habitats and Fish Communities

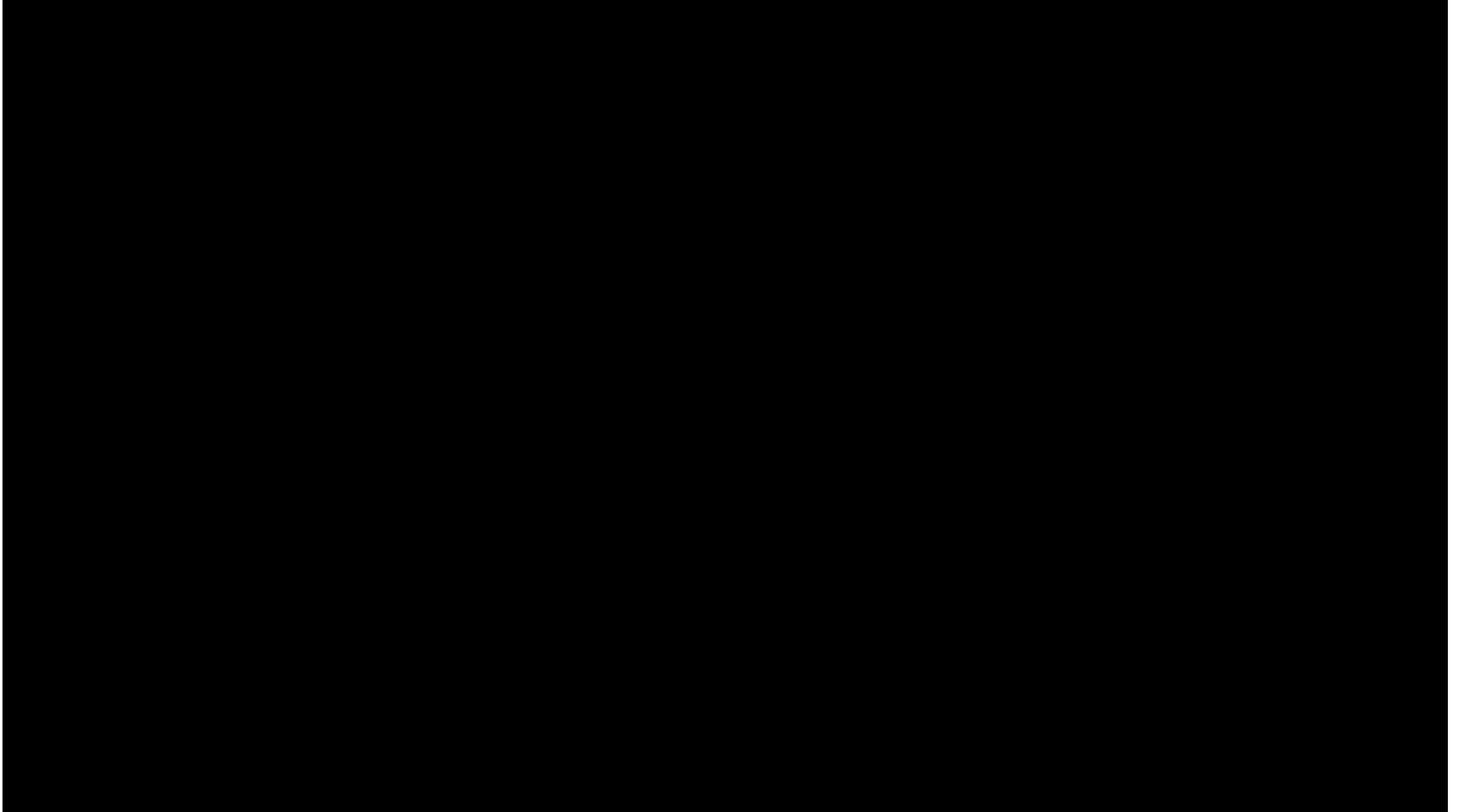
Spokane River Forum Conference

11/19-20/2014 CDA Resort

Conference Strands

- **Water:** Rights, Future Demand, Hydrogeology Groundwater Pumping and River Flows, Creating Idaho Washington Water Resources Collaboration
- **Green Solutions:** Source Control, Educational Outreach, Research, Innovation & Leadership, Low Impact Development, Floating Wetlands, BioFuels, Mandatory vs Voluntary Programs,
- **Watersheds:** Invasive Species, CDA Lake Management Plan, Non-Point Source Pollution, Native Redband Trout, Water Trail Restoration
- **Toxics:** Defining Measurable Progress, Phosphorus Reduction in Lake Spokane, Challenges to Assessing PCBs in the Spokane River

KSPS Outreach



2014 Education & Awareness Events

- 5/28/14 – STEMposium (Science, Technology, Engineering & Math)
- 6/2-11/14 - Mead 5th Grade Environmental Camp
- 6/7/14 - Fire District 9 Wellness and Demo Day
- 7/19/14 – Canines vs Cancer –Greyhound Track
- 7/30/14 Camp Opportunity at Whitworth University
- 8/23/14 – Millwood Daze
- 8/27/14 – Project Hope River Paddle
- 9/4-9/15 – Spokane County Interstate Fair
- 9/19/20 – ValleyFest Parade
- 9/20/14 – Valleyfest
- 9/27/14 – Upriver Scrub, Prescription Drug Take Back and Hub-apalousa Family Fun Day

Fire District #8 Wellness & Demo Day 6/7/14





Canines vs. Cancer 7/19/14



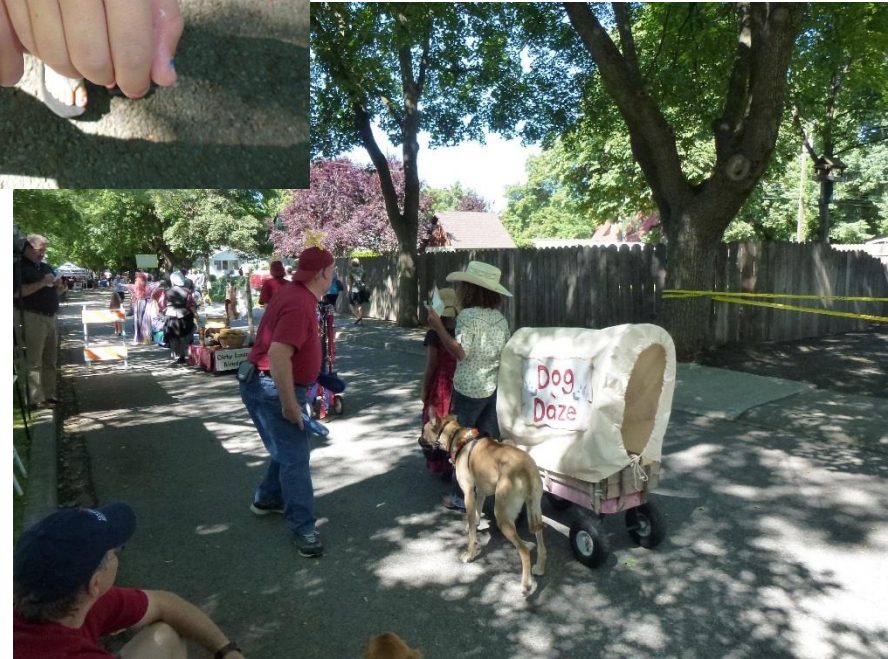


Unity in the Community 8/16/14



Millwood DAZE

8/23/14





Project Hope Paddle 8/27/14





Interstate Fair 9/4-15/14





ValleyFest Parade 9/19/14



Modern Electric & Water at Valleyfest





Valley Fest 9/20/14



Aqua Duck
Defender of
the Aquifer



Spokane EnviroStars Waste Directory



Working together to protect our river and aquifer through pollution prevention



SpokaneWasteDirectory.org



Spokane EnviroStars Waste Directory

*Working together to protect our river and aquifer
through pollution prevention*



SpokaneWasteDirectory.org

Fall 2014 Soft Launch

- Launch website
- Promotional materials
- Community Events
- Websites & Facebook
- SAJB PCSI Mailing
- SRF Conference 11/19-20
- KSPS PSA
- SAJB Purveyors
- Certified Businesses
- Waste Directory Vendors
- EnviroStars Coop
- Neighborhood Councils
- Business Associations
- Government Services
- Misc. Groups
- Schools
- Athletics

Spring Cleaning Media Blitz - Print, TV, Radio

Help me get rid of my waste!

**Help me
get rid
of my
waste!**



**ENVIROSTARS™
CERTIFIED**

SpokaneWasteDirectory.org

**Help me get rid
of my
waste!**



SpokaneWasteDirectory.org



**Help me
get rid
of my
waste!**

SpokaneWasteDirectory.org

Need to get rid of waste?

**Need to
get rid of
waste?**



ENVIROSTARS[™]
CERTIFIED

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For Vendors “Find us on ...”



GOOD FOR BUSINESS
GOOD FOR THE ENVIRONMENT
GOOD FOR YOU



Certified in 2014

- Jaremko Nissan Auto Service
- Jaremko Nissan Auto Body & Paint
- Service Master by Compass
- SERVPRO of South & West Spokane County
- SERVPRO of the Spokane Valley
- City South Auto Body
- Evans Auto Care

Total = 75

Renewals = 2

GOOD FOR BUSINESS
GOOD FOR THE ENVIRONMENT
GOOD FOR YOU



Focus Industries for 2014 - 2015

Fleet Services

- City of Spokane
- City of Millwood
- City of Spokane Valley
- Spokane Transit Authority
- Spokane County
- Landscapers with store fronts

Goal = 100

Renewals = 12



New Promotional Materials

Metal Sign 14x14

Auto magnet 8x8

Auto Window Decal 5x5