

Info@tucsopimawaterstudy.com

EMAILS FROM WEEK OF MAY 19, 2008

Dear Ms. Seacat

>
>
> My employer is Pima Natural Resource Conservation District. We are
> composed of farmers and ranchers in eastern Pima County. Our mission
> is to foster soil and water conservation. Water is a vital issue to
> us and we would like to have a speaker at our next meeting if
> possible. It is short notice, but May 27, 1pm. We meet at the
Plant Materials Center on N.
> Romero Road. We coincidentally are having Gerry Perry the new Head of
> Game and Fish there to meet us. It might be a good time to touch
base with them.
> They are very involved in wildlife waters on our ranches.
>
>
> VICKI FRANCE
> Pima Natural Resource Conservation District
>
> www.pnrcd.org
>
> vicki.france@az.nacdnet.net
> 520-292-2999 x 111

Comments/Questions: Dear Oversight Committee Members,
> May, 2008

21

> Joint Tucson/Pima water planning can be beneficial to residents of
both populations.
> Before unveiling a crystal ball for the future, however, please
ascertain the present operational health of the Tucson Water System, the
Pima County Wastewater Management, and the Solid Waste Management
Department. Most assuredly, Committee Members, the future water fix is
based on the present water fix. As population pours into the Tucson
funnel, the funnel exit must accommodate human effluent and solid waste
to avoid catastrophic impacts on the population. Accordingly, disaster
plans, in the future, develop from the disaster plans, natural and
human, in existence today. Committee Members, before embarking on this
daunting task, can you attest to the present adequacy and proficiency
of the Tucson/Pima governmental entities?
> Why, on 5 May, 2008, were there 63 drinking water monitoring
violations and 2 CCR violations cited by the USEPA ENVIROFACTS whereas
76 % of the drinking water systems in the US have no drinking water
monitoring violations. What enforcement action, to eliminate
violations, has Arizona Department of Environmental Quality implemented?
> Why does USEPA-ECHO show Pima County Wastewater Management Ina
Road, AZ 0020001, with six(6) quarters in noncompliance with seven(7)
inspections-other Pima County Wastewater Management Programs are
listed.
> Committee Members, does the Tucson Water System have a viable man-
made disaster response and recovery plan in print, included in a master
Response Plan, and operationally acceptable to the Emergency Operations

Accountable and Responsibility personnel of Tucson/Pima (and who are these individuals by name?

> Sincerely, Clyde H. Stagner, a citizen of Tucson and Pima Co.
>

I would like to propose two presentations.

>
> First, your web site offers to provide staff for presentations to any
> group. The Tucson Mountains Association, of which I am president, is
> planning an event for its membership and other members of the public,
> on October 12, at Columbus Park. We would welcome a presentation
> that afternoon from members of County and/or City staff on the
> status

> of the Water Study.

>
> Second, the Study Committee and the Oversight Committee should hear
> from one of our members, Charles J. Cole, who has built his home at
> the western end of Sweetwater Drive, beyond any public water supply.
> He and his wife have built in an innovative, but readily duplicated,
> system to use rain water from his roof to supply not only all of
> their household needs, but also to fill a swimming pool, whose water
> is available in case of fire.

> They built during the drought, but have had no trouble filling their
> cistern with rainwater, which is then filtered beyond the
> cleanliness
> of most of our water. Jay, as he is called, is an articulate and
> willing speaker who can explain his system very well. And since the
> mandate of the Committee is to explore all available sources of
> water
> and means to access it, this system most assuredly ought to be
> presented to the Oversight Committee and studied by County and City
> staff for its implications for future development.

>
> Thank you, and I hope to hear from you soon.

>
> Judith D. Meyer 3785 N. Camino de Oeste Tucson, AZ 85745 520-743-
8058

> judithdmeyer@msn.com

From: Mary Ann Black <racings@dtg-llc.com>

> Subject: Water
> Sent: May 19 '08 16:07

>
> Dear Sirs,

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> Please pass this on to Chuck Huckleberry.

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> I know you have a very good water wise program. I am concerned that
> you are not maximizing your resources. You can do more with storm
> water management using incentive based tools on private property and
> requiring developers to retain accelerated runoff on site. You have
> tremendous damage in your community every time you have over a half
> inch of rain. What if you retained all of that runoff onsite and put

> it to use? Oro Valley built a new shopping mall that is designed to
> do just that! Please implement a Storm Water Management Plan that
requires on site retention of storm water.
> Did you know that one inch of rain on 2000 sq. ft. of impermeable
> surface will produce 1200 gallons of water? One inch of rain on 40
> acres of City Buildings and Parking Lots produces 3.2 acre feet of
> water!!!! You can capture that runoff before it gets to a drainage
> and it is free!!! Once it gets into a drainage it is appropriable
> water. I wrote this plan with the help of many water engineering
> consultants. I have given it to our legislative leaders. Please call
> me any time. 520-559-6655
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> Mary Ann Black,
>
> Supervisor, Hereford Natural Resource Conservation District
>
> Director, Hereford Conservation Education Center

Attachments 1 From Mary Ann Black:

Water Solutions for Arizona 2-22-07

Prepared and offered By

Mary Ann Black, 7451 E. WinchesterSierra Vista, AZ 85635 520-559-6655

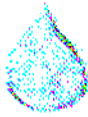
Arizona has a long history of fighting over water and the only thing that has changed is the technology for acquiring water resources. The Natural Resource Conservation Districts (NRCDC's) have been implementing on-the-ground soil and water projects since they were organized to overcome the "Dustbowl Disaster" of the 1930's. The typical sediment and erosion control practices commonly known as "Best Management Practices" are proven to enhance storm water recharge as an added benefit. This proposal is based on projects that are being implemented all over the country and one in particular that has shown dramatic results in Los Angeles, California. This project is called Trans- Agency Resources for Environmental and Economic Sustainability "T.R.E.E.S".

- **Urban areas that are paved over with concrete, asphalt and roofs form "heat islands" that cannot dissipate the CO 2. Greenbelts that are full of Trees and shrubs will sequester the CO 2 and can double as recharge areas using cisterns, detention basins and infiltration trenches while cooling the area and reducing the energy needed to cool homes and businesses.**
- **These practices can be included in the "Growing Smarter" legislation requiring all cities and Counties to adopt a "Storm Water Pollution Prevention Plan" or (SWPPP). A Senate Bill 1557 almost addresses this issue. If every City with a population of over 40,000 and every County is required to adopt a SWPPP with a minimum package of Storm Water Management Practices, the State will be able to withstand extended drought and reduce flood disasters.**

- **NRCD's are poised to step up and implement these projects where cities and counties may need the technical assistance and an intermediary to expedite contracting and permitting. NRCD'S have a track record for implementing projects and cutting through the "red tape". The "Best Management Practices" that are proven most effective for our purposes are all approved by The Environmental Protection Agency, Arizona Department of Environmental Quality and, Arizona Department of Water Resources.**
- **A complete menu of "Urban Best Management Practices is attached". The core list should be the very minimum adopted by each entity across the State and is as follows: guttered roofs with cisterns or infiltration trenches in all new construction, infiltration trenches with or without cisterns on all commercial parking areas, greenbelts with native trees, shrubs, rock check dams and detention basins in all drainages, rain sensors on all automatic irrigation systems and, recharge or reuse all treated effluent.**

Using just these "core practices" Los Angeles has reduced their water use by over 50%. We can do the same Statewide and the best part of this plan is that the practices are inexpensive and proven effective. Great examples of greenbelts if you left out the lakes are Indian Bend Wash and Rio Salado. Thank you for your time.

Attachment 2 From Mary Ann Black:



Information on Rainwater Harvesting

Organizations:

International Rainwater Catchment Systems Association (IRCSA): www.ircsa.org

American Rainwater Catchment Systems Association (ARCSA): www.arcsa-usa.org
(Both of the above organizations have conferences too)

International Rainwater Harvesting Alliance: www.irha-h2o.org

To get on a rainwater harvesting list serve, contact:

rainwaterharvesting-owner@yahoo.com

Books:

Forgotten Rain - Rediscovering Rainwater Harvesting by Heather Kincaid- Levario
www.forgottenrain.com/

Rainwater Collection for the Mechanically Challenged by Richard Heinichen
www.rainwater.org/rainwater_collection_how.html

Making Water Everybody's Business- Practice and Policy of Water Harvesting by the Centre for Science and Environment www.rainwaterharvesting.org

On-Line Publications:

Texas Guide to Rainwater Harvesting: <http://www.twdb.state.tx.us/home/index.asp> Look under "Hot off the Press" for "Texas Manual on Rainwater Harvesting."

City of Tucson Water Harvesting Guidance Manual: <http://www.dot.ci.tucson.az.us/stormwater/education/> and click on "Put Rainwater to Work in Your Landscape."

Workshops/Classes:

In Arizona:

U of A Cooperative Extension Water Wise Program: www.ag.arizona.edu/cochise/waterwise

Permaculture Workshops: Dawn Southwest: www.greenbuilder.com/dawn

Search the web, there is a lot of information out there!

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