High cancer rates in WV
WV Rivers cares about clean water in WV
High cancer rates in WV

WV Rivers Coalition

Eating Fish & fishing

Several facilities in WV do discharge these chemicals, so “it’s time” to update them
Some chemicals currently not in WV criteria should be adopted, some facilities are discharging these
PFAS - should set WQS for these chemicals too
“Don’t delay” can’t wait on these, it’s time to move on these
3. Do not weaken water quality standards
4. Gave examples of organic currently being discharged by DOW and Union Carbide that will be "weakened" with 2015 EPA updates
5. Companies able to comply with current standards, "why go backwards?"
6. Showed pie chart of chemicals proposed to be "weakened the most" by WVMA’s recommendation

Provided quote from Dr. MaCauley Public Health Expert

WVRC wants the state to aspire to remove restraints from fish consumption and water consumption

Questions for Angie

Did WVRC take issue with recalculation of the BAFs?
Angie: they took issue with anything that weakened the standards, increased toxins
Is proposal for WV to go to zero exposure?
Their proposal was not to go to zero exposure
3 criteria recommended, what about EPA updates that resulted in higher criteria?
WVRC recommended not to update those criteria

Cancer rates in presentation

Jennie Henthorn, representing WVMA
Presented from the WVMA their submittal to DEP
Cancer Slope Factor, WVMA recommends using EPA 2015
Relative Source Contribution, WVMA recommends using EPA 2015
Bioaccumulation Factors, WVMA found substantial work is necessary before reliable BAFs can be developed
Recommend assembling a large database
EPA’s 2015 BAFs didn’t adhere to its 2001 Methodology

WVMA proposed using 2002 criteria BAFs
WVMA recommends no cherry-picking, recommending same for all organic
Although they don’t propose a criteria for bis-2-hexylphthalate
Recommend keeping phthalates together
Some criteria have a higher recommended criteria now than in original IRIS document, EPA and WVMA both agree on using the old IRIS numbers

Holly Cloonan question: why did WVMA not reconsider criteria based upon fish consumption and WV weight?
Jennie answered that was not their intention in this review

Comment/question from Chris ___ online asked about the protectiveness of criteria to people like her, who live right along the Greenbrier river and have higher exposure than the average
Laura answered that the criteria are designed to protect the highest exposed population
And designed to protect to the 1:1,000,000 chance of adverse effect over 70-yr lifespan

Location: DEP Charleston Headquarters, Dolly Sods conference room
Laura Cooper, DEP
- Gave a brief update as to the last year’s developments on HHC
- DEP received 2 comments by the Oct 1st date
- Going to have presentations from each of those submittals today
- Offered paper copies of these two submittals, the question was to get copies for those folks

Angie Rosser, WV Rivers Coalition

Eating Fish & fishing

Should be encouraged in the state for health, sustenance, fitness activity
Swedish fish example - these are 6 grams each, you could eat one of those per day
If you eat more fish, you’re at higher risk; that’s just how it is

Study design - used bigger sample size, continuous of an 8-yr period
- Contrasted to WV Study of 12 months, less dependable result

WV study didn’t ask the question: would you eat more fish if you knew it was safe?
Compared to 2008, Wvians were eating less fish back then and were recommended to eat less back then than now
Several rivers have been removed from PCB/Dioxin fish advisory list since 2008

2. Adopt EPA-recommended criteria
- Several facilities in WV do discharge these chemicals, so “it’s time” to update them
- Some chemicals currently not in WV criteria should be adopted, some facilities are discharging these
- PFAS - should set WQS for these chemicals too
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