

South River Science Team
July 15, 2008

Welcome- *Don Kain, DEQ*

Outreach - *Mike Liberati, Du Pont*

Newsletter coming out twice a year

Website up to date, new articles, historical database, data mapping capabilities

New universal login to website:

Username: science

Password: team

Waynesboro office getting a lot of use from field crews

We've had several requests for meeting space

Front part of office will be redesigned to accommodate a meeting room

There have been several meetings and subgroups:

TMDL

Human Health Exposure Workgroup

Bank Stabilization Workgroup

South River Watershed Committee – interested in restoring brook trout to upper South River

Plant Site RFI Update - *Mike Liberati, Du Pont*

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/Liberati-RFI%20Update%207-15-08.ppt>

Sewer Video

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/Liberati-example%20sewer%20video.wmv>

30+ wells being monitored

Still investigating 3 SWMO's

Hg found between Chemical Building and Retort area

Video being taken at night in sewer near Chemical building to River

Flows being diverted in those sewers during process

Most pipes have sediment, cracks and other debris

Railroad Ave the worst

Oak Ridge, TN Experience – *George Southworth, DOE*

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/South%20R.%20Science%20Team%20final.ppt>

George gave an overview of work conducted the Oak Ridge site

Mike L. asked if there was a fish advisory and who was responsible for noticed

TN Dept of Conservation

Mike S. asked about sources of methylation and studies

Small scale microcosms
Small scale bioassays
System of artificial indoor streams

Floodplain Soils Part 1 – Calvin Jordan, DEQ

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/The%20Great%20South%20River%20Floodplain%20Sampling%20Event%20of.ppt>

Calvin gave overview of work and gave preliminary analysis of data
Discussion on human exposure. 23 ppm residential screening level, 310 ppm industrial

Part 2- John Green, Du Pont

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20Composite%20Soil%20Samples%2007122008.ppt>

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20MeHg%20Soil%20Samples%2007102008.ppt>

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20Soil%20Samples%2007122008.ppt>

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20Soil%20Samples%2007152008.ppt>

http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20Wetlands%20Soil%20Samples_07142008.ppt

http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008%20Floodplain%20Wetlands%20Soil%20Samples_07162008.ppt

John gave statistical analysis of floodplain data. Did not have time to show ppt of methyl Hg data.

Difference in 0-2 year inundation level data between Calvin and John's analysis.

Calvin used mean and John used median.

Bank Stabilization Pilot/Remedial Options Program – Nancy Grosso, Du Pont

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/SRST%20Bank%20Pilot.ppt>

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/SRST%20ROP.ppt>

Nancy gave overview of Bank Stabilization and Remedial Options program.
Data collection occurring now for bank stabilization.
Area target is Du Pont property bank along ball field to Rockfish Run
Construction to begin 2009

Tributary Loadings – Todd Morrison, URS

http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008_Trib%20Loading.ppt

Exposure Pathways – Annette Guiseppi-Elie, Du Pont

http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2008-07-15-Annette-Exposure%20Evaluation_20080708.ppt

Survey of 1200 households in late 70's VDH

Hg Bioreporter – Ralph Turner

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/SRST-Turner%20Bioreporter%20Jul08.ppt>

Bioreporting is using a bacteria that lights up in presence of Hg

Summary of Biota Studies – Erin Mack, Du Pont

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/SRST%20Crittters%20July%202008%20EEM.ppt>

2007 Fish Tissue Data – Calvin Jordan, DEQ

<http://southriverscienceteam.org/doclibrary/Meetings/2008-07-15%20Science%20Team%20Mtg/2007%20Fish%20Hg.ppt>

Advisories will most likely stay the same
Data has been sent to VDH and is posted on VDEQ website

Next meeting is meeting Expert Panel October 21 – 22.