

**COAL
TAR
PAVEMENT
PRODUCTS**

BANNED

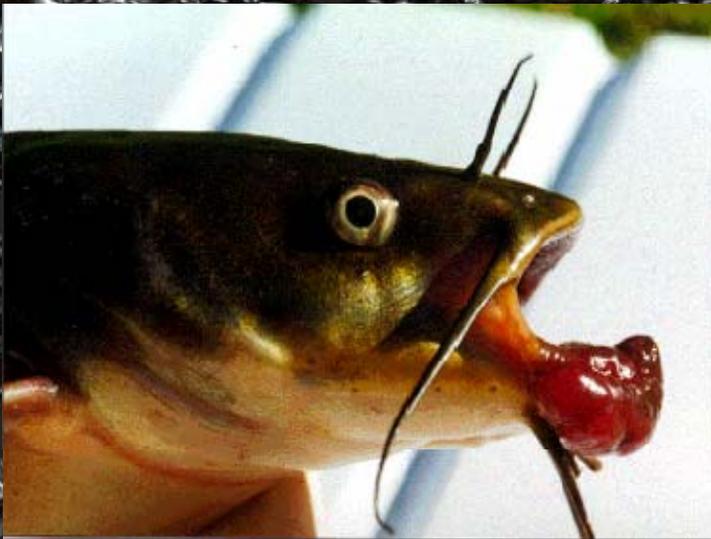


Hamid Karimi, Ph.D

Brian Van Wye

PAHs in District Waters

- 1996 Tribs of Anacostia River and Rock Creek listed as impaired for organics, including PAHs.
- 1998 DC Portion of main stem of Anacostia River listed as impaired for organics, including PAHs.



In a 2004 study, FWS researchers linked PAHs to liver and skin tumors in as many as 2/3 of brown bullhead catfish in the Anacostia River.

Ban as Low Hanging Fruit

- Ongoing District and national efforts to control PAH sources, but persistent problem.
- Growing body of research from Austin, USGS, NYAS, etc. demonstrated coal tar sealants are a significant source of PAHs.
- Coal tar sealant is used in the District and there are alternatives.
- Ban is relatively easy opportunity to control a significant source of PAHs.

District's Ban

Effective July 1, 2009, it is illegal to sell, use, or permit to be used on one's property coal-tar pavement products (e.g. pavement sealant) in the District of Columbia, subject to a daily fine of up to \$2,500.

(Comprehensive Stormwater Management Enhancement Amendment Act of 2008, L17-0371)

Implementation

- Many, including property owners, aren't familiar with coal tar pavement products.
- DDOE initially focused on Outreach and Compliance Assistance and is expanding emphasis on Inspection and Enforcement.

Implementation - Outreach

- District agencies – letter, brochure, other
- Utilities – letter, brochure
- Distributors in Metro area – letter, brochure
- Contractors – letter, brochure, permit center
- Properties w/Paved Surfaces - postcard
- Pvmt Ass'ns – Requests to alert membership
- District Webpage – ddoe.dc.gov/coaltarban
- Mayor's Citywide Call Center – 311
- District press release

Implementation – Insp. & Enforcmt.

- Response to potential violations identified by field staff and citizens
- GIS analysis to prioritize inspection of large paved surfaces and other priority areas
- Inspections at District distributors
- Using field test, info from property owner and/or contractor, lab analysis
- Enforcement – Fine and removal of sealant applied in violation of ban

Issues to Consider

- Upstream sources
- Additional monitoring and analysis on Anacostia R. to improve understanding in DC and upstream & to track long-term impact of ban
- Additional analysis to improve understanding of human health impacts



Hamid Karimi, Ph.D

Deputy Director, Natural Resources Administration

Hamid.Karimi@dc.gov; 202-535-1660

Brian Van Wye

Environmental Protection Specialist

Brian.VanWye@dc.gov; 202-741-2121

ddoe.dc.gov/coaltarban

