

*Deadly Effects*

## PCB's, Dioxins and Mercury They Travel Together

According to environmental reports by Shaheen and Peaker there have not been any tests done for Dioxin, Furans or Mercury on the Molson Swamp. Why??????????????



**Do you trust Mayor Stevens or Councillor Cipolla to be telling you the Truth?????**

### Heated or Burned PCBs are More Dangerous

The boiling point of PCBs is about 325-366 degrees Centigrade, so PCBs can tolerate fairly high temperatures without exploding or burning. Unfortunately, furans are created from PCBs at 250-450 degrees C, which means that simply heating PCBs can convert them to create additional furans in the mixture. This heat-effect explains how PCBs came to be contaminated in the manufacturing process.

It's possible that high-temperature pan frying or grilling of fish or other PCB contaminated foods could convert some of the PCBs to more-toxic dioxins and furans. (The PCBs would also volatilize into the kitchen air at high rates.) The EPA reports that some of the toxic effects of rice-oil PCB poisoning incidents in Taiwan and Japan involved heat conversion of PCBs to furans. (EPA, 1997)

PCBs will burn at higher temperatures, but some of the PCBs will be converted to furans and dioxins, especially in poorly controlled, inconsistent fires. When PCBs are burned at very high temperatures, as in hazardous waste incinerators designed for this purpose, the PCBs may be completely broken down, but as the gases leave the smoke stack they cool and recombine to form new PCBs, furans and dioxins. Municipal waste incineration is the major global source of

dioxins.

**Consider the fact that there was 2 transformer fires at this site.  
Fact is Cipolla and Stevens are aware of this fact.**

## **PCBs Were Made With Dioxin and Furan Contaminants**

By 1956, or earlier, Monsanto knew that their PCB products could be contaminated with dioxins (TCDD) and dibenzofurans (furans) from the time they were shipped from the factory—a piece of information the company sat on until the late 1960s, when independent researchers discovered this hazard. When PCBs were made, the dioxins and furans were created as byproducts in the mixtures. According to the record of one lawsuit, new PCB oil could be contaminated with dibenzofurans at concentrations of up to 10 parts per million. As the oil ages, according to documents from Monsanto's files, the concentration becomes considerably higher. Additional references listed below confirm this contamination.

This means that the 7 corporations who dumped PCBs in the Fox River were also likely to dump furans and dioxins at the same time. Both furans and dioxins have been found at significant levels in Fox River sediment and fish.

Unfortunately, many PCB health studies underestimate total health risks in the real world because researchers have used "pure" PCBs without the usual dioxin or furan contaminants.

(Monsanto did this deliberately in the 1970s --- see the [History](#) section.)

**Please note that Mayor Stevens and councillor Cipolla say they  
believe the experts over common sense and here we have  
Monsanto experts lying way back in 1956?????**

**Thalldomide, Love canal, Times Beach Missouri  
are all examples of trust in Experts**

**Which Orillia Child will have to suffer for Stevens and Cipolla's  
Faith In Experts**