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Concentrations of toxic industrial chemicals found in many species of Hudson River fish have reached levels considered so dangerous to human health that New York State will have to ban most, if not all, commercial fishing in the Hudson River early next year.

Unofficially, New York State Environmental Department sources say the chemical concentrations known collectively as PCB's is so high and the pollutant so long lived, that commercial fishing in the Hudson may not be permitted there for generations.

PCB's, or polychlorinatedbiphenyls, are a family of chemical compounds that have come into everyday use all over the world because of their resistance to heat (one key use is cooling transformers).

Like their chemical cousin DDT, the PCB's accumulate in the fatty tissue of animals and produce a variety of ills including cancer.

The FDA standard for PCB concentrations in fish is 5 parts per million. Many species of fish in the Hudson now exceed this limit. Both shad and striped bass found in the Huson well exceed the Federal limit.

The source of the PCB concentrations in the Hudson River is a General Electric plant. The New York Environmental Protection Agency claims that at two plants north of Albany the company dumps between 4 lbs and 30 lbs of PCB's in the river daily. GE has been dumping the PCB's into the Hudson since 1942.

Besides being connected to the death of millions of bass, the chemical compound PCB poses a threat to the backbone of a large North Eastern commercial fishery, the striped bass and shad. Since both species breed and migrate out of the Hudson, tests of Hudson fish caught in other states are necessary to see how far the PCB contamination has spread.

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