DEP is Giving Salem a Sweetheart Deal
The plant’s permit expired in 2006, yet DEP is extending the permit instead of requiring Salem to implement the best available technology to address fish kills and water pollution under the Clean Water Act.

There IS an AFFORDABLE Solution!
Cooling towers are standard equipment on modern power plants. They reduce the amount of water taken into the plant, and cool the remaining water that comes out of it, which results in reduced fish kills and a healthier and more diverse river ecosystem.

Using environmental benefit information gathered by the EPA, the net environmental benefits from modernizing cooling systems at older power plants like Mercer are estimated to be at least $5 to $7 billion annually. A noted environmental economist concludes the amount could be as high as $18 billion per year.

TAKE ACTION NOW
Call Gov. Christie & DEP Commissioner Martin & urge them to STOP the Delaware River Fish Kills at Salem. Ask for a new NJPDES permit that requires an immediate upgrade to a closed-cycle cooling system!

Gov. Christie: 609-292-6000
Commissioner Martin: 609-292-2885

3 billion organisms killed each year, including 5 threatened and endangered species
Delaware Estuary Impacted by Nuclear Plant
The Salem Nuclear Plant in Lower Alloway Creek, NJ draws water from the Delaware River to cool equipment.

Salem extracts **OVER 3 BILLION** gallons of water a day from the Delaware

**800 Million Fish Killed Annually**
Four times as many bay anchovy and weakfish are killed at Salem than are commercially caught in the Estuary. The plant impacts 5 threatened and endangered species including sea turtles and sturgeons.

**Impingement and Entrainment**

*Entrainment* occurs when organisms are drawn through a cooling water intake structure into the facility’s cooling system. These small and young fish and eggs are cooked by the water as it is heated by the plant.

*Impingement* occurs when organisms are trapped against screening devices by the force of the water passing through the cooling water intake structure. Impingement can result in starvation, exhaustion, asphyxiation, descaling, and death.

**Thermal Water Discharges Pollute Ecosystem**
The EPA finds that super heated water discharged in the Delaware River by the Salem plant harms the structure and function of aquatic ecosystems making it difficult for many species to survive.

**The plant’s cooling system permit expired in 2006**, yet PSE&G is allowed to keep operating with outdated technology that kills fish.