



Indiana Department of Natural Resources

## DIVISION OF WATER

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# Industrial Water Conservation

## Management Practices and Policies for Increased Efficiency

Efficient water use can have many environmental, public health, and economic benefits by helping to improve water quality, maintaining aquatic ecosystems, and protecting drinking water resources. Although Indiana appears to have a more than adequate supply of water, increasing demand from all users, including domestic, industrial, agricultural, & energy production, can begin to put pressure on the available supply. Water conservation programs can result not only in a reduction of this demand, but can also promote awareness of the finite nature of water, encouraging more efficient use. Managers may find the utilization of water efficiency programs lower operating costs, which may translate to savings in other areas such as electricity, chemicals, gas, and wastewater disposal.

- Appoint Water Conservation Manager & develop a Water Management Plan.
- System Maintenance and Improvements—Implementation of comprehensive water accounting and loss control program including system inspections, leak identification and repair in distribution lines, & the reduction of overflow throughout processes.
- Perform water-use audit—Good industrial conservation programs depend on accurate use data. Assess water demand on a system by system or process by process basis.
- Processes that use large volumes of water for washing, rinsing or cooling should be outfitted with a dedicated water meter. The goal is to generate a set of data that profiles water demand including individual process uses, utility uses, and all other uses. Accurate metering at all levels is essential.
- Identify and Prioritize opportunities to reduce or reuse water; such as cooler flush water, final tank rinse water, backwash water, floor and gutter wash water, turn off all flows during shutdowns, use solenoid valves to stop the flow of water if production stops.
- Educate and involve employees in water conservation initiatives. Invite presentations and seminars by appropriate agencies or organizations.
- Install high-efficiency plumbing fixtures, appliances, and other equipment such as nozzles, spray washers, and hoses.
- Water Conservation = Energy Savings = \$ Savings

For more information regarding water conservation & energy savings visit the Division of Water website at:

[www.in.gov/dnr/water/7113.htm](http://www.in.gov/dnr/water/7113.htm)

