

Rural & Miscellaneous Water Use: Voluntary Conservation and Efficiency Efforts—Suggested Best Management Practices

The Indiana Department of Natural Resources has compiled the following suggested Best Management Practices (BMPs) to provide assistance to Indiana Significant Water Withdrawal Facilities (SWWF) in the development of water conservation & efficiency efforts under the provisions of the Great Lakes-St Lawrence River Basin Compact (IC 14-25-15-5). Pursuant to this legislation, conservation and efficiency efforts are voluntary in nature for existing SWWF facilities in the Great Lakes Basin; however, Indiana is promoting voluntary conservation and efficiency efforts at all facilities throughout the State. This voluntary checklist is being provided to each registered SWWF in Indiana according to their water use category. The checklist contains examples of BMPs that might be considered by a facility. This list is intended as a guide and should not be considered complete or mandatory, as no one set of BMPs would be appropriate for or applicable to, all facilities.

Selection of Best Management Practices for Conservation and Efficiency Efforts:

C u r r e n t	P l a n n e d	<p>Please check those items that are <i>currently</i> being utilized by the facility, and those that may be <i>planned</i> or implemented over the next water use reporting year. Do not check either box if the item is not applicable to your facility or organization.</p> <p><u>Please return this checklist with your annual water use report.</u></p>
<input type="checkbox"/>	<input type="checkbox"/>	Develop a system wide maintenance program to enhance conservation objectives.
<input type="checkbox"/>	<input type="checkbox"/>	Implement leak detection and repair program to minimize water losses.
<input type="checkbox"/>	<input type="checkbox"/>	Utilize water metering when applicable.
<input type="checkbox"/>	<input type="checkbox"/>	Development of an accurate water measurement system; including mechanical metering, or by figuring water use by flow meters, by acre inches applied, or by pump capacity.
<input type="checkbox"/>	<input type="checkbox"/>	Development of meter maintenance plan and replacement of old inaccurate meters.
<input type="checkbox"/>	<input type="checkbox"/>	Operate pumps to meet, but not exceed, necessary rates to reduce excessive pumping.
<input type="checkbox"/>	<input type="checkbox"/>	Implement an irrigation scheduling program with effective timing of applications for reduction in evaporation rates.
<input type="checkbox"/>	<input type="checkbox"/>	Monitor regional water stress conditions or drought conditions and communicate awareness issues throughout the organization.
<input type="checkbox"/>	<input type="checkbox"/>	Incorporate water conservation policies and procedures into employee training programs.

<input type="checkbox"/>	<input type="checkbox"/>	Rotate livestock among pastures or paddocks to decrease stress on forage and therefore the need for irrigation water.
<input type="checkbox"/>	<input type="checkbox"/>	Manage stocking rates, length of rotation, and rest time according to land and forage conditions.
<input type="checkbox"/>	<input type="checkbox"/>	Time pasture rest periods appropriately and provide rested paddocks: this is more important than the length of the grazing period.
<input type="checkbox"/>	<input type="checkbox"/>	Participate in water conservation advisory group or organization to raise awareness.
<input type="checkbox"/>	<input type="checkbox"/>	Other [please specify]: <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Evaluation and Modification of Voluntary Conservation and Efficiency Efforts

Upon adoption of applicable voluntary Best Management Practices (BMPs), the facility may consider evaluating and updating their goals and objectives on a periodic basis. Modifications to chosen BMPs may be based upon an evaluation of previously selected goals and objectives and any new relevant information or changes in water use processes.

The facility could consider documenting the following information to evaluate their voluntary selection of conservation and efficiency goals and the BMPs to reach them:

- A list of dates and descriptions of BMPs chosen as well as conservation & efficiency measures implemented
- Means used to quantify water savings
- Approximate amounts of water saved for each measure implemented
- Discussion about whether or not the goals of the plan have been met
- If objectives were not met, an analysis of why the objectives were not met and a discussion of revisions to goals & objectives and the chosen BMPs may be helpful for the facility to meet their voluntary objectives in the future.

Have questions, comments, or need further assistance?

Please contact the Indiana Department of Natural Resources, Division of Water at 317-232-4160 or toll free 877-928-3755 (choose option 4); or see our website at: www.in.gov/dnr/water.

Mail your completed checklist to:

Division of Water
Indiana Department of Natural Resources
402 W. Washington St Room: W264
Indianapolis, IN 46204-2641

Facility Registration Information: