

## Water Purification System Evaluation Program (SEP)<sup>SM</sup>

Existing water purification systems can be upgraded, expanded or modified to meet new production requirements. Technical limitations might indicate the need for a new system or new purification technology. **Applied Water Solutions** will evaluate your system with the latest technologies. The SEP<sup>SM</sup> involves a complete evaluation of your water generation system and pre and post treatment.

PURIFICATION SYSTEM



**Applied Water Solutions** has worked with all the major suppliers and is the only company that can give a professional, objective evaluation of your system. Based on the evaluation, we offer membrane, media and ion exchange replacement program for all systems.

Our SEP program is part of our Electrodeionization Evaluation Program (EEP)<sup>SM</sup>, and Plant Evaluation Program (PEP)<sup>SM</sup>.



### BENEFITS

- Provide an accurate estimation of the life of existing system
- Recommend additional equipment to meet increasing demand
- Recommend expansion with their existing unit for increasing capacity
- Evaluate life of pre and post treatment system
- Increase efficiency with existing system
- Train staff on new water purification systems

### CANDIDATES FOR SEP

- Pharmaceuticals      Laboratories
- Biotech                      Semi-conductor
- Power Plants              Food Industry
- Chemicals
- Boiler Feed Applications

### SOLVING PURE WATER NEEDS

**Applied Water Solutions** is dedicated exclusively to solving the pure water needs of different industries. Our best practice approach brings together the highest level of expertise with the best available technologies providing a cost effective, practical solution. We specialize and integrate the latest and most complementary technologies in:

- Electrodeionization (EDI, CEDI)
- Membrane Separation
- Reverse Osmosis (RO)
- Ion Exchange
- Electrodialysis (ED)
- Ultrafiltration (UF)
- Ultraviolet Light (UV)

**Applied Water Solutions, Inc.**  
P.O. Box 50, Burlington, MA 01803  
Phone (781) 750-8682  
Fax: (781) 791-5769

Web: [www.appliedwatersolutions.com](http://www.appliedwatersolutions.com)  
E-mail: [inquiries@appliedwatersolutions.com](mailto:inquiries@appliedwatersolutions.com)

# System Evaluation Program

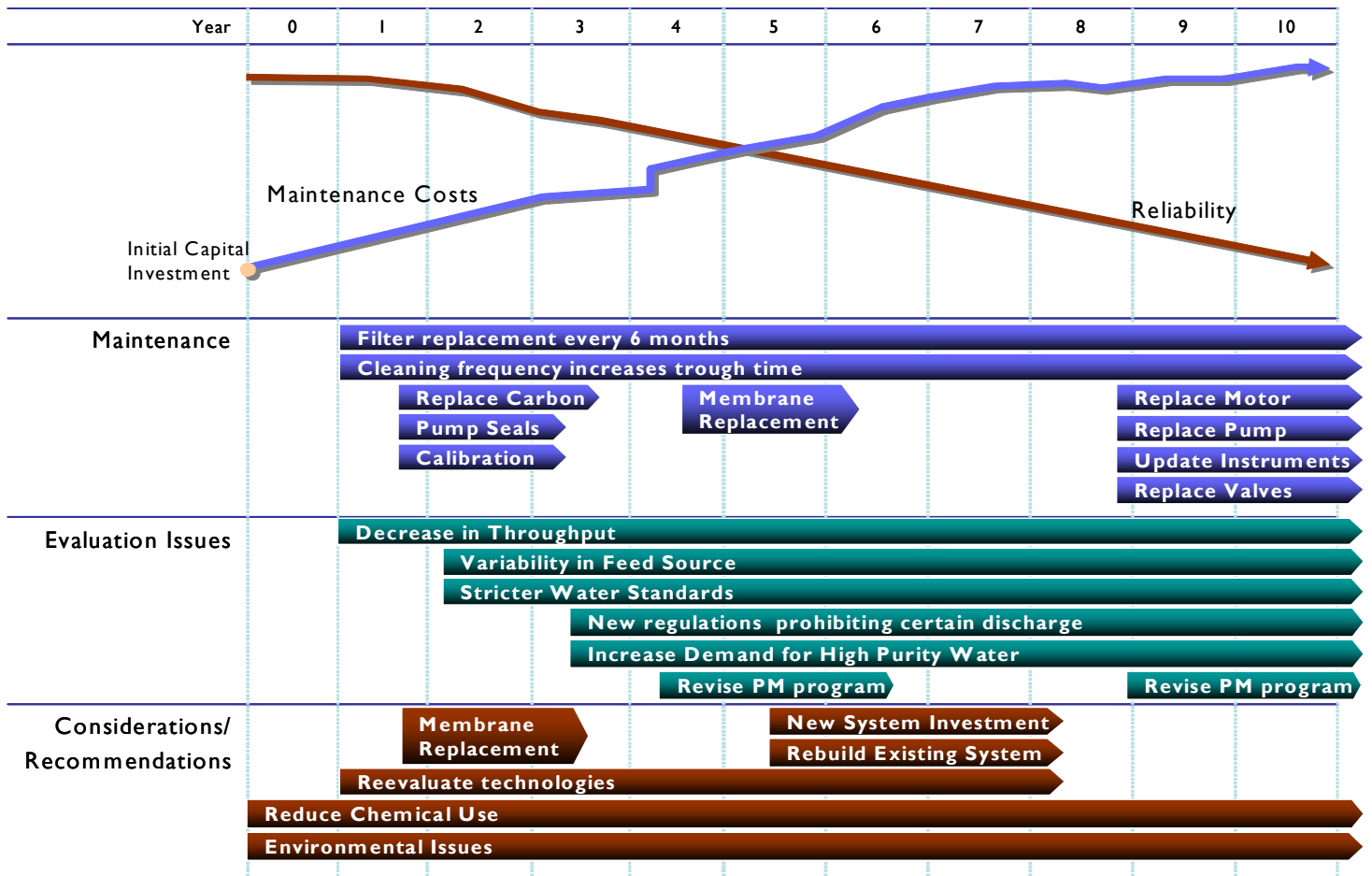
## PROCESS

- Water Analysis (optional)
- Review of current operating parameters
- Review of practices performed on equipment
- Data Analysis
  - Analysis of operating and maintenance parameters vs. manufacturer's recommended operations and industry standards
  - Evaluation of integrity of pretreatment, reverse osmosis and post treatment
- Reverse Osmosis projection and maintenance recommendations
- Recommendations of changes to unit operations
- Resin analysis (optional)
- SEM and autopsies (optional)
- Recommendations of alternate technologies to improve operations
- Confidential reports / Documentation
- Training on technical issues and recommendations

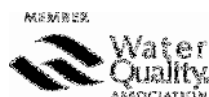
EDI/RO SYSTEM



## LIFE OF WATER SYSTEM



“BRINGING CLARITY TO THE TURBID WATERS OF TECHNOLOGY”<sup>SM</sup>



Web: [www.appliedwatersolutions.com](http://www.appliedwatersolutions.com)  
 E-mail: [inquiries@appliedwatersolutions.com](mailto:inquiries@appliedwatersolutions.com)

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