



SEPTEMBER 11-15, 2023

XVII World Water Congress: Climate Change Adaptation for Building Resilience in the Water Sector

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ACC Sustainability Initiative: Purpose & Goals

Promote **role of chemistry in providing solutions** to societal sustainability challenges.

Demonstrate commitment of ACC members to sustainability progress.

Help companies with still developing sustainability programs **grow & enhance their efforts**.

Facilitate collaborative efforts to address stakeholder expectations & sustainability challenges.

Leverage ACC member initiatives & innovations to **help shape industry reputation, support positive advocacy outcomes**.

ACC Water Stewardship

ACC members strive to improve the quantity and quality of water for their operations, communities and the environment

ACC supports its members in advancing the three pillars of Water Stewardship in and around their watershed:

Quality, Quantity, Access

ACC's Water Stewardship Objectives:



Provide guidance on metrics to drive action and demonstrate progress around water stewardship



Establish Water Body Risk Assessment (WBRA) framework to support progress toward industry's overall water stewardship efforts



Promote benefits that ACC member companies deliver to the health and sustainability of the watersheds



Help shape water collaboratives by facilitating a collaborative approach to address prioritized watersheds at risk

A dark blue background featuring a faint world map. Overlaid on the map are several hexagonal icons, each containing a white silhouette of a person. These icons are connected by thin white lines, forming a network-like pattern across the globe.

Water is essential to all life on Earth, and the need for clean, accessible water is as urgent as ever.

By 2030, water demand will exceed supply by 40%, according to the World Bank. Conservation alone will not fill the gap.

The chemical industry plays a vital role in developing the products and technologies that enable clean water.

Advances in technologies made possible by chemistry will enable water conservation, sanitation, reuse and the transformation of contaminated water into clean, safe drinking water for people around the world.

ACC Water Body Risk Assessment

ACC collaborated with The Water Council to develop a Water Body Risk Assessment to help ACC member companies identify & consider potential actions to take to address & mitigate water-related risks.

Water stewardship is both a global & local issue, where company approaches to water stewardship often require a local, targeted approach.

ACC's WBRA can help companies determine:



How much water is used at their facilities



Water sources for incoming/outgoing water to and from the facility



Overall health of the water basin in the facility's region and the facility's impact on water quantity and quality



How to screen facility sites for water risk(s) and address specific challenges

Water Risks

A watershed risk assessment assesses three types of risk that exist in any given watershed: *physical, regulatory and reputational.*

Physical Risk (water supply and discharge):

- How do you use water and at what quantities?
- Are the source and receiving water bodies healthy and sustainable?
- What is the status of privately owned water-related infrastructure on site?

Regulatory Risk:

- Are there compliance challenges and trends related to discharge?
- Is the receiving water body impaired and how might the site be contributing?
- Does my site directly withdraw water from a stressed aquifer?

Reputational Risk:

- What are the public perceptions related to water use and supply that may be associated with the facility?
- Are there external stakeholders with whom the site can collaborate to protect shared water resources and enhance license to operate?
- Should my staff participate in local watershed governance by attending meetings, offering to assist with local water resource monitoring, etc.?

2022 Sustainability Awards Nominations

ACC's annual sustainability awards contenders included some innovative, water-related projects in 2022.



Category 4: Societal Contributions

Occidental Chemical Corp.: "Clear Vision for Clean Water"



Category 5: External Collaborator

Procter & Gamble (nominated by Milliken): "Cold Water Wash Initiative"





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