

Polymer Enhanced Best Management Practices for Erosion and Sedimentation Control, Water Clarification, Soil Stabilization, and Pond and Lake Management including Nutrient Control.

Seva Iwinski , Applied Polymer Systems, Inc.

This presentation provides a brief overview of water soluble polymer chemistry as well as an introduction to Polymer Enhanced Best Management Practices (PEBMPs). The most common quantified PEBMPs that are currently in use will be discussed and illustrated along with brief case histories from various geographical locations. The general focus will be on erosion control and water clarification including the following: soil stabilization including Polymer Enhanced Soft Armoring Applications, dewatering systems including tank settling systems, SRBs (Sediment Retention Barriers), De-mucking, and Pond and Lake Clarification including nutrient reductions.

Seva Iwinski

Seva Iwinski is the Operations Manager/ Environmental Scientist of Applied Polymer Systems, Inc. She oversees all North American and European production of Applied Polymer Systems product line including Floc Log, Silt Stop and Pond Log products as well as oversees all laboratory testing facilities for sampling and analysis. She wrote the index testing procedures for the University of Central Florida and the State of Florida which provides a method for determining what form of polymer may or may not be used for any specific application or use. Seva is a member of the IECA (International Erosion Control Association) and the American Chemical Society. She holds a BS in BioEnvironmental Science from Texas A&M University. Seva is responsible for directing her team of technicians in designs of site specific water treatment systems using innovative polymer enhanced BMPs that have shown significant improvement over existing conventional BMP systems. These systems include those involving water clarification, stormwater management, soil stabilization, demucking, pond and lake management including nutrient control, and dewatering operations. She is also involved in technical training sessions to educate or further educate those companies, agency personnel and firms that anticipate using or are interested in furthering their knowledge on Polymer Enhanced Best Management Practices.