



Applied Polymer Systems, Inc.

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Innovations

Fast Times At Daytona

The Daytona 500 Speedway. Things happen fast here both during race events and whenever construction occurs. When P & S Paving was contracted to expand the facilities along Lake Lloyd, they knew that they would have a tight schedule to meet and could not afford any delays. So, when muddy water threatened to discharge from the lake they called upon the performance of Applied Polymer Systems (APS) Floc Logs to keep them on track.

Applied Polymer Systems Inc. (APS) was contacted to provide technical advice and material installation for the project's treatment system. Following a site survey, APS confirmed that the proper site-specific polyacrylamide (PAM) material was matched to the water chemistry. This was done on-site, at no extra charge, to ensure compliance results would be achieved.



For this project, twenty (20) each of APS 703D Floc Logs were installed in the discharge side of the lake. Flowing water dissolved the APS materials, which caused the colloidal clays and organic muck within the sediment to flocculate and chelate.





Most of this treated sediment dropped out via gravity within the discharge stream. Jute particle curtains were added to the stream to capture the remaining light material within the project boundary.

This treatment system efficiently removed over 99% of the suspended particles in the discharge. Initial turbidity readings were 270 NTUs and final discharge was 2 NTUs.

The APS system was rapidly installed just days before Hurricane Charlie hit the west coast of Florida. Within 24 hours of installation, the turbidity was under control. The entire treatment system withstood the onslaught of wind and rain from Charlie as it passed through Daytona. In fact, this system kept working throughout all of the 2004 hurricanes.

P & S Paving was able to continue working without delays due to lost pumping and was more than able to meet State and local water quality limits for environmental protection.

This allowed the expansion project to finish on schedule and provided one of the most exciting Daytona 500 race experiences in recent times.

This is just another example of how APS blended PAM material can be used to keep projects on schedule, in compliance, and protect water resources.



For information on this or other Applied Polymer System designs or materials contact your local distributor or APS directly at 678-494-5998 or www.siltstop.com