CASE STUDY

Manitoba Hydroelectric Company Slave Falls Debris Boom

MANITOBA, CANADA

PNP PACIFIC NETTING PRODUCTS INCORPORATED

APPLICATION: PUBLIC SAFETY

Pacific Netting Products designed and manufactured a SafeGuard Boom for public safety and to divert debris and ice away from critical infrastructure. The 28″ diameter boom was 980′ long and manufactured using yellow (federal standard 13655) co-extruded HDPE. The co-extruded yellow surface provided superior visibility and complied with Canadian regulations. PNP also applied warning signage directly to each boom section as an additional safety measure. The boom system was designed with an external tension member for a 300-kip capacity. All structural metal components were designed and manufactured using a non-welded manufacturing process.

INSTALLATION FEATURES

- Manufactured with co-extruded HDPE for superior strength, durability, and visibility
- 300-kip capacity
- Low center of gravity for maximum stability
- U-joint connectors limit rotation and maintain full functionality throughout the entire range of depths and flows within the reservoir
- Manufactured in 22′ sections for handling ease
- Available with optional debris skirt and lighting
- 50-year life span
- Lowest cost of ownership
- Shore anchors
- Deployable year-round