CASE STUDY

Appalachian Power Company
Leesville Dam
MultiFunction Boom Series

GRETNA, VIRGINIA

MULTIFUNCTION DEBRIS BOOM

Pacific Netting Products designed and manufactured a 1200' floating MultiFunction Boom for Appalachian Power Company. The purpose of the boom was to exclude floating debris from entering the hydroelectric plant's intake structures and to guide the material to a designated nearshore area. PNP designed and manufactured the boom with a weighted 48" heavy-duty, four-ply rubber debris guidance skirt. The boom was manufactured in orange for enhanced visibility and to support public safety.

KEY FEATURES

- 1,200 ft long, built in 50 ft and 25 ft sections
- 3/4" galvanized bolts
- HDPE keel with 4 ft deep 4/440-ply rubber debris skirt guides debris to shore for easy removal
- U-joint connectors conform to maintain full functionality throughout the entire range of depths and flows within the reservoir
- Lowest cost of ownership
- Shore anchors
- Deployed year-round
- Anticipated lifespan: 50 years