



Custom Solutions Bulletin

Industry: Pulp & Paper

Application: Deluge Wash

Product Description: NCK nozzle

Situation: A manufacturer of paper products contacted BETE Applications Engineering with an application involving cleaning a 100' (30.5 m) diameter storm water retention basin. When the basin is emptied, sawdust from the water forms a ring around the wall of the lagoon. The company was looking for the most effective spray nozzle solution for cleaning the walls of the lagoon.

Technical Questions?

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BETE's solution: BETE Applications Engineering deployed advanced spray-modeling technology to recommend an optimized solution. After running trajectory projections, BETE recommended using the 3" NC 30105 K-15 at 20 psi (1.4 bar), oriented 15 degrees below horizontal, 40' (12.2 m) from the wall, and 20' (6.1 m) above the area to be contacted. The NCK nozzle revolves slowly around the center point of the lagoon to provide even and effective spray coverage.

