

# A-S-H<sup>®</sup> Remote Submerged Chain Conveyor System

Eliminate ash ponds. Minimize water use.



# Remote Submerged Chain Conveyor System

## Advanced technology for bottom ash handling

Utilities continue to seek cost-effective ways to upgrade their current ash handling systems to meet regulatory requirements, while minimizing the use of water.

The Allen-Sherman-Hoff® remote submerged chain conveyor system, available from Babcock & Wilcox (B&W), meets these requirements. Our system design utilizes two proven technologies: the Allen-Sherman-Hoff Hydrobin® clarification and dewatering technology, and proven submerged scraper technology, to provide the best of both worlds – a robust collection system with proven water recycling capabilities.

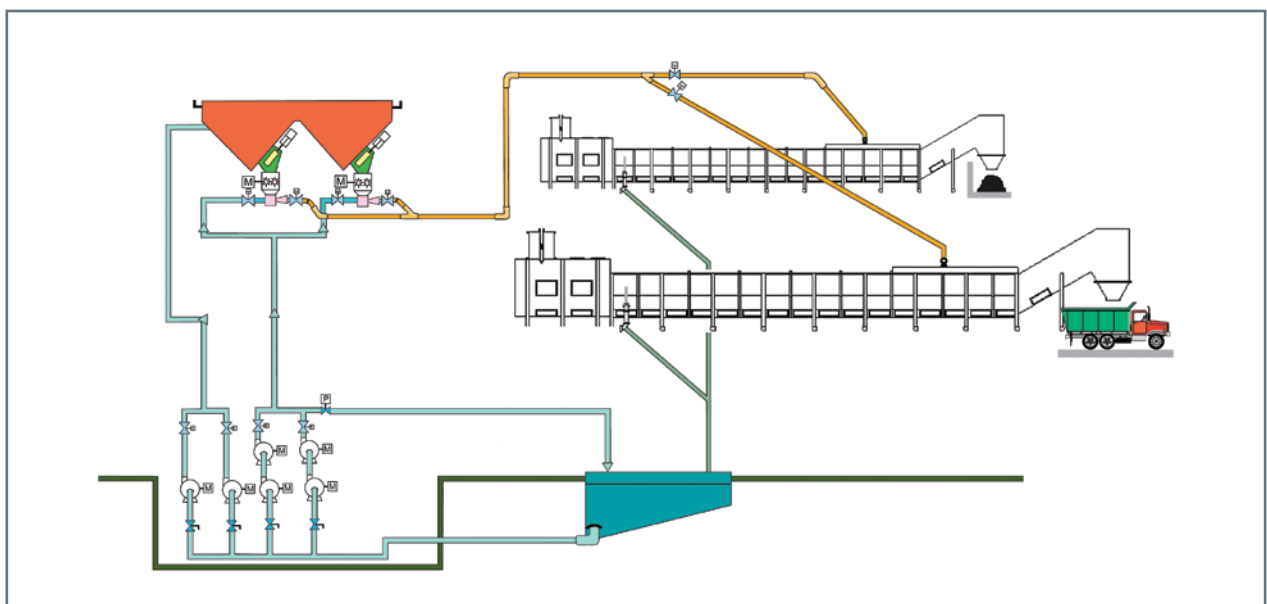
This remote system connects into your current collection structure and ties in to the existing hydraulic system, minimizing downtime because it is not assembled under the boiler. All other installation work can be conducted while your plant remains online.

### ■ Features

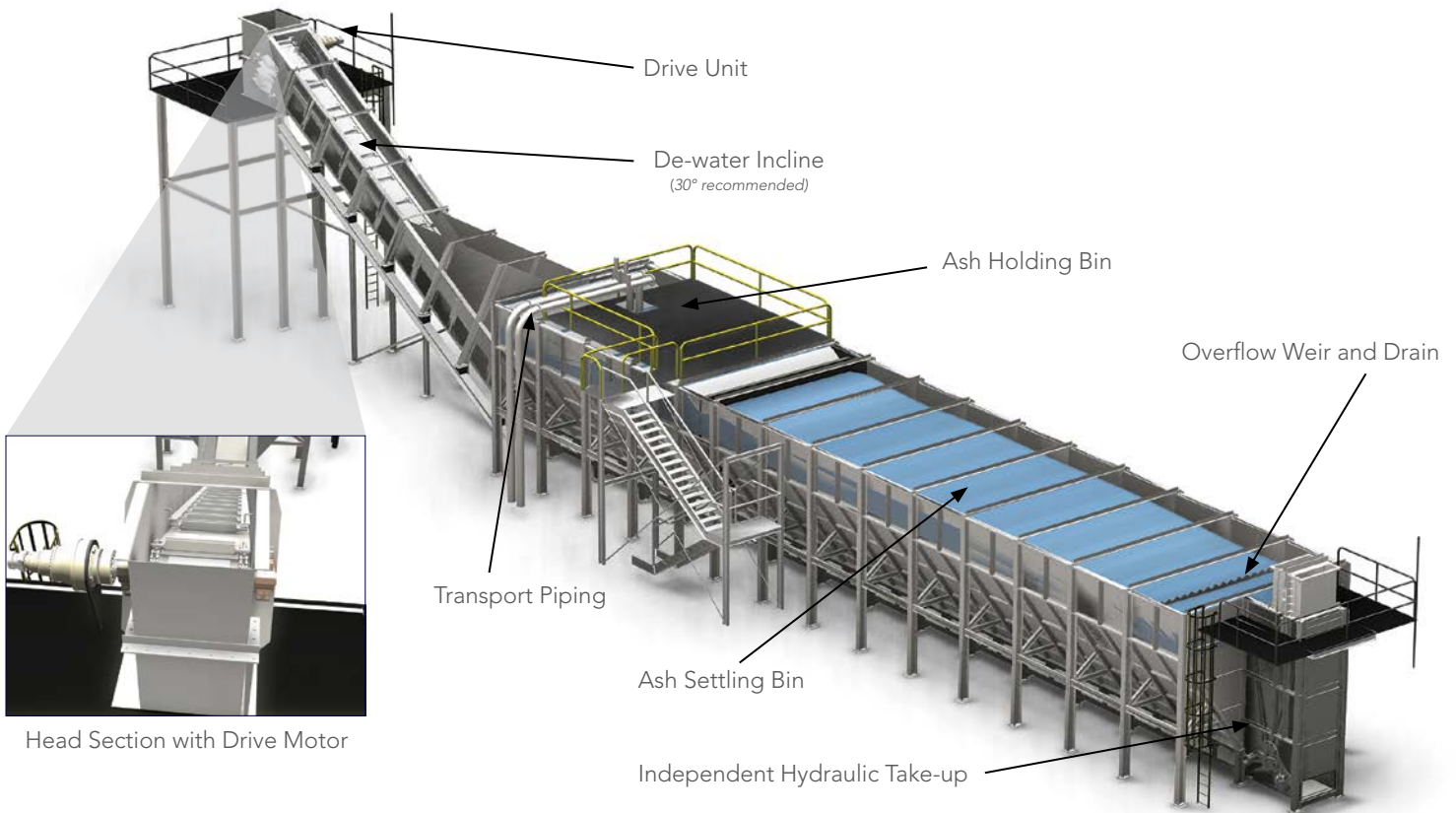
- Simple design for ease of maintenance
- Flexible design to allow multiple ash disposal options
- Up to twice the storage time of a submerged chain conveyor system installed under the boiler
- Located remote from the boiler
- Mechanical solids removal
- Multiple conveyors interlinked to boilers on-site to provide redundancy
- Continuous transport two-site bunker, batch from bunker to long-term disposal
- Intelligently designed baffles and straighteners to maximize clarification
- Custom designed for s using standard components

### ■ Benefits

- Bottom ash pond elimination
- Low operating costs
- No outage required for installation
- Lower water usage than ponds
- Low initial installed costs
- Low profile, small footprint
- Collection and settling of bottom ash in one tank
- Forced outages eliminated by providing redundancy outside the boiler island
- 12- to 16-hour storage capacity
- Continued use of in-plant collection equipment
- Extended life of pumps, piping and fittings with cleaner re-circulated water than competitors' system



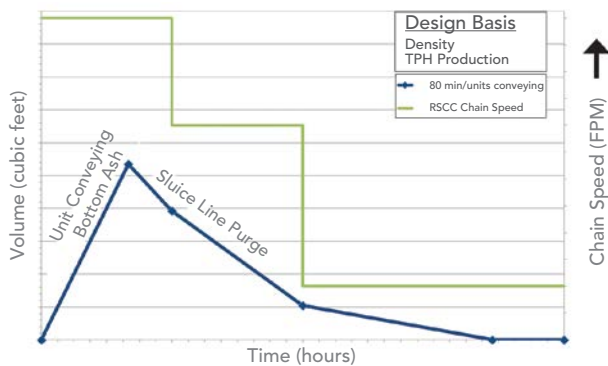
*Closed-loop water recirculation system with remote submerged chain conveyor mechanical dewatering system*



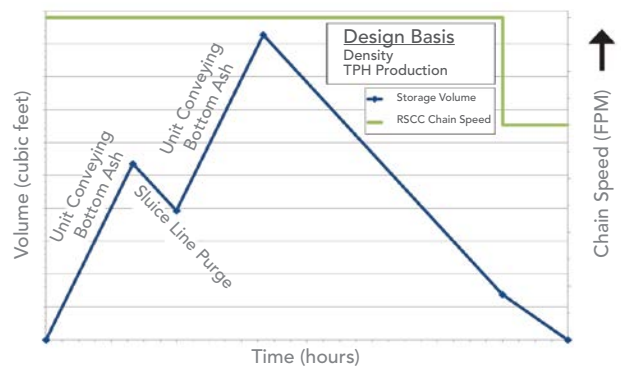
## For Wet to Dry Bottom Ash Conversions

- Collection and settling of bottom ash in one tank
- Simple design for ease of maintenance
- Flexible design allows multiple ash disposal options
- Lower operating costs
- No outage required for installation

### Typical Single-Unit Operation



### Two-Unit Operation







## The Babcock & Wilcox Company

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Babcock & Wilcox supplies Diamond Power boiler cleaning and Allen-Sherman-Hoff ash handling equipment and systems.

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ENERGY | ENVIRONMENTAL

Established in 1867, Babcock & Wilcox is a global leader in advanced energy and environmental technologies and services for the power, industrial and renewable markets.

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