

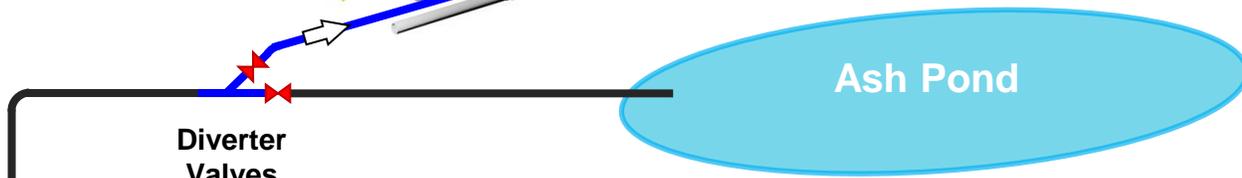
Remote Submerged Scraper Conveyor (RSSC) Remote Bottom Ash Dewatering



RSSC
US Patent # 9593850



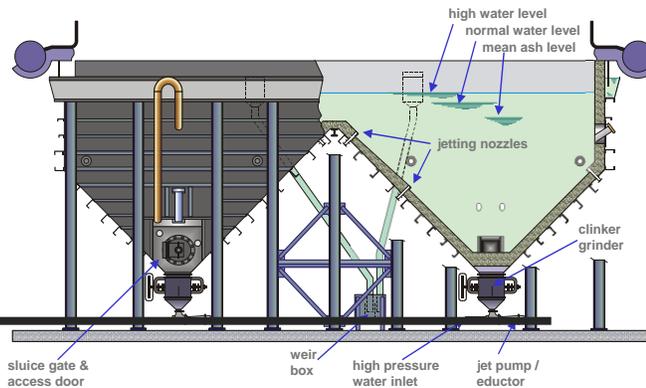
Ash Bunker



Diverter Valves

Ash Pond

Existing Slurry Ash Piping



Wet Bottom Ash Hopper

Delta Ducon offers a unique option for plants to eliminate their ash ponds. By intercepting the pipelines leading to the ash ponds, the slurry flow is diverted to our patented Remote Submerged Scraper Conveyor (RSSC).

The RSSC has all of the bottom ash dewatering characteristics of a regular Submerged Scraper Conveyor (SSC) plus the water flow control aspects of a dewatering bin. A RSSC system does not require the height of traditional dewatering bins. This design feature eliminates the need for retrofitting jet pumps and water supply pumps to lift the slurry high in the air to reach traditional dewatering bins. The RSSC can utilize existing pumps and continuously dewater ash to the commercially accepted dryness.

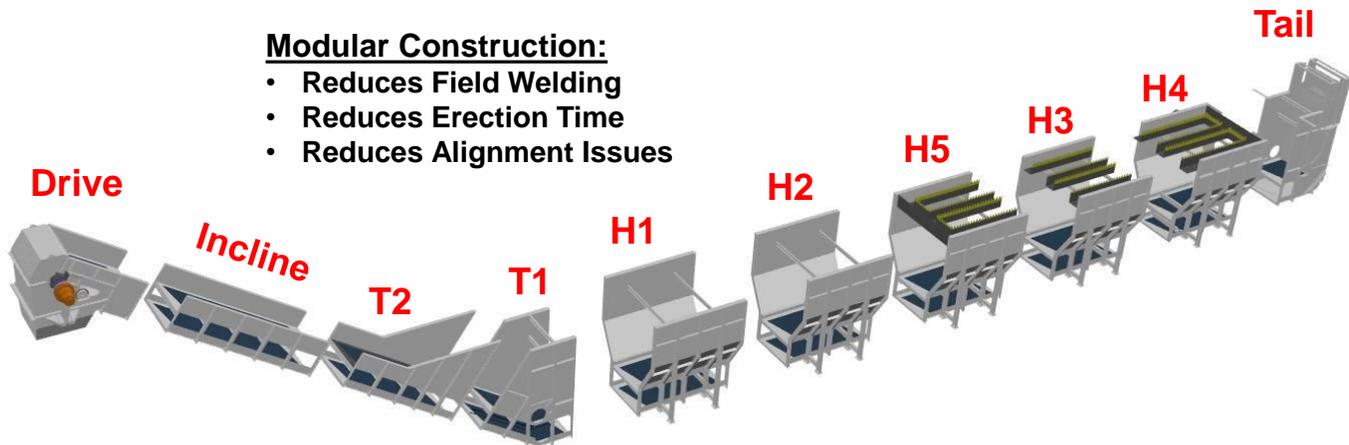
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Remote Submerged Scraper Conveyor (RSSC) Remote Bottom Ash Dewatering



Modular Construction:

- Reduces Field Welding
- Reduces Erection Time
- Reduces Alignment Issues



By staying close to the ground, there is little, if any, increase in total dynamic head requirements on the existing jet pumps and water supply pumps normally associated with the existing pond disposal system. The resulting bottom ash product exiting the RSSC can immediately be loaded onto trucks for off site disposal or stored on site in an ash bunker, piles or silo. The overflow water can be returned back to the bottom ash system to make a closed loop zero liquid discharge system.



Since the RSSC design shares many of the proven technology features of a SSC, the RSSC is being quickly received as a new industry solution for ash pond elimination. Both a traditional SSC and a RSSC remove bottom ash from pulverized coal fired boilers and are particularly well suited when high ash generation rates are expected. Both systems are capable of quenching, dewatering and transporting high rates of ash and offer greater energy efficiency than hydraulic systems of comparable capacity.

Contact us for all your mechanical and pneumatic conveying needs.

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