



A Success In Productivity

Claims can be made but success must be proven.

8200: An Innovative and Cost-Effective Solution

The Bucyrus 8200 dragline combines the very best design and technology principles from both Bucyrus and Marion. Introduced by Marion in 1974, the 8200 has been a part of the Bucyrus standard dragline offering since Bucyrus purchased Marion in 1997. With thirty-five 8200 draglines built to date and 18 currently operating in North America, the innovative machine has proven itself to be a cost-effective and productive solution in supporting customers' needs.

BNI Coal Ltd. selected the 8200 as the most cost-effective and proven dragline design capable of taking the Center Mine of North Dakota through to the end of its contractual life. With a current supply contract through 2027 and the possibility of extension until 2042, BNI needed the assurances provided by a dragline designed and manufactured by the industry leader, Bucyrus. The original plan for Center Mine called for the use of two smaller draglines in the removal of the low stripping ratio overburden. Then, at the appropriate time and as the coal seam became deeper, the plan called for the purchase of a larger dragline to handle the higher volume of overburden.

The 8200 was commissioned at the end of 2004, idling the smaller of the two previous draglines. The new 8200 has since been put to work removing the additional overburden requirements.

The 8200 has been tailored to meet BNI's production requirements. With a boom that is over 350 feet (106.7 m) long, the 8200 has the capability of moving material over 200 yards from point of dig to point of dump. At the same time, it provides a dump height of approximately 150 feet (45.7 m) and a dig depth of approximately 145 feet (44.2 m). The machine has also been equipped with the most current DC2000 digital drive system for optimum performance. Bucyrus worked closely with BNI's Dragline Team to design the machine with expandable capabilities should additional capacity be needed in the future.

Like its 8200 predecessors, the BNI machine has a rigid tri-structure to support the boom and load rather than a mast gantry system. This is a critical design feature allowing the machine to have a rated suspended load of well over 190-tons (172-tonne). Additional features include an outboard bearing propel system and 100" pitch diameter, flame hardened rope drums.



BNI chose a customized Bucyrus 8200 walking dragline to support their growing production requirements at the Center Mine.

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