

ALLEN'S POULTRY FEED MILL



Owner

Allen's Hatchery, Inc.

Size/Capacity

65 tons per hour initial
130 tons per hour future

Completion Time

15 months

Younglove's Services

- Conceptual design
- Structural engineering
- General construction
- Construction management
- Slipform concrete construction
- Equipment installation
- Tilt-up construction

Seaford, Delaware

This feed mill for Allen's features 20,000-bushel-per-hour corn receiving; 240-ton-per-hour ingredient receiving; 50-ton-per-hour grinding system; 19 ingredient bins with 1,700 tons of storage; and a 9-ton batching and mixing system, including one 20-bin micro system, two major scales, and one minor scale. The pellet mill is housed in a pelleting tower directly adjacent to the main mill tower to provide adequate operational and maintenance room for the pelleting system equipment. The fats coating utilizes a continuous-flow-style system with a variable-speed pocket feeder and dry flow meter. Screw conveyors with multiple discharges and distributors are used for pellet distribution. Loadout utilizes a single driveway with a weigh lorry scale. This feed mill has a total finished feed capacity of 1,300 tons.

Additional features to the feed mill include 1,000,000 bushels of grain storage in six silos and one interstice bin, a tank farm for three liquids, two 40 hp air compressors, and one 500 hp gas/oil-fired boiler. One 1,000-pound manlift is used to provide vertical access from grade level to the roof. One 6,000-pound capacity pallet lift moves micro ingredients from the warehouse to the work floor. One 7,000-bushel-per-hour grain dryer allows for the purchase of local grain at harvest.

This mill was designed with future expansion planned for receiving, grinding, and pelleting.



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