



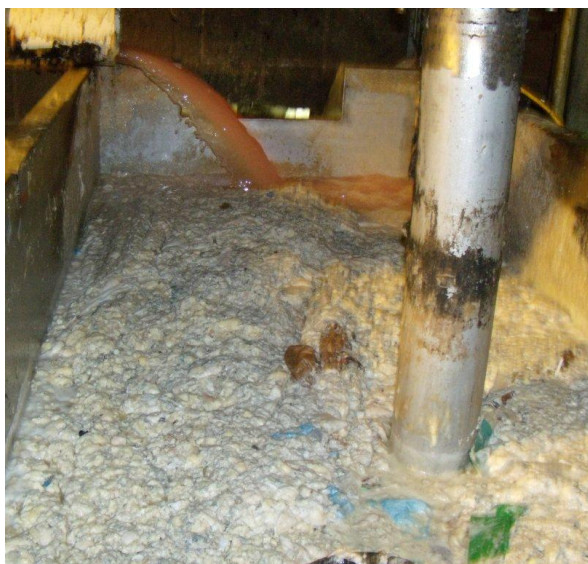
**INDUSTRIAL
FLOW
SOLUTIONS™**

CASE STUDY

BJMPumps®

Hope, AR, USA

Reliable Offal Management: Submersible Shredder Pumps Replace AODDs at Arkansas Plant



Problem

A major chicken processing plant in Arkansas, part of one of the world's largest meat processors, produces millions of pounds of meat each week. Runoff from washdowns—containing blood, fat, feathers, meat scraps, & bones—collects in large catch basins before being transported to a rendering facility.

The plant had relied on air-operated diaphragm (AODD) pumps to empty these basins, but the pumps were costly to operate, requiring a 150-horsepower compressor running nearly constantly, even during partial production days.

Additionally, the AODD pumps struggled with solids, frequently clogging when encountering bones or other dense waste.

The plant needed a more efficient, reliable pumping solution to reduce operating costs, prevent downtime, and maintain continuous operations.

Solution

The plant replaced the AODD pumps with three BJM Pumps® SK Series submersible shredder pumps, with a fourth serving as a backup. Equipped with tungsten carbide-tipped impellers, the SK pumps shred nearly all solids, including bones and large offal, and can pass solids up to 3½ inches in size.

With ample torque to prevent clogging, the SK Series pumps operate up to 12 hours a day without failures and require no compressor. This upgrade eliminated costly compressed air usage, minimized maintenance, and provided a highly reliable solution for offal basin management.

Following their success, the plant standardized SK Series pumps for additional applications across the facility—resulting in zero clogs, no downtime, and significantly reduced maintenance costs.



Intelligent Pumping Solutions



BJM Pumps®, part of the Industrial Flow Solutions™ family, leads the industry with reliable, high-performance pump solutions. Committed to customer satisfaction, BJM Pumps® offers cutting-edge technology, expert support, and fast lead times. Whether it's high-temperature endurance, solids handling, or explosion-proof models, BJM Pumps® delivers tailored solutions for even the most challenging applications.

Why Choose BJM Pumps®?

- **Innovative & Reliable Solutions:** Built for harsh environments, ensuring minimal downtime.
- **Cost-Effective Performance:** Reduces maintenance and lowers total cost of ownership.
- **Tailored Solutions:** Handles abrasive slurries, caustic fluids, and temperatures up to 200°F.

Key Features & Offerings:

- **Shredder Solids Handling Pumps:** Built for industrial & municipal wastewater, handling large solids.
- **Explosion-Proof Pumps:** Safe & efficient for hazardous environments, from mining to pharmaceuticals.
- **Corrosion-Resistant Pumps:** Ideal for food & beverage, pharmaceuticals, and metal plating.

Available Approvals:

- CSA / CTUV
- FM

Available Materials:

- Stainless Steel
- Cast Iron
- Plastic

Pump Types:

- Corrosion-Resistant
- Explosion Proof
- High Temperature
- Sand, Sludge & Slurry
- Solids Handling
- Dewatering

Industries:



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