OUR NAME SAYS IT ALL.

TFP NUTRITION
NACOGOCHES, TX

CHALLENGE

TFP Nutrition produces a variety of animal foods. A 1,680 SF area of the facility contains the extruder room. Within the extruder room are several large pieces of equipment which is a major part of the process. Taking the equipment out of service was a significant concern. Operations are 24 hours, 7 days a week. These pieces of equipment are mounted on foundation pads and they were experiencing a high degree of vibration which would eventually cause equipment failures and lengthy downtime. That was not acceptable. Superior was contacted by a general contractor that performs and/or manages all TFP's construction projects. The general contractor, who was familiar with our services, contacted Superior looking for a solution.

SOLUTION

Drill inspection holes to determine whether voids existed and the soil conditions. Confirmed that voids existed throughout the extruder room. Proposed utilizing the injection of High-Density Polyurethane to stabilize the foundation. The excellent benefits of the Poly injection process were essential. Cleanliness, this is a food processing facility. Speed of process, minimal downtime. Cure time, material reaches 90% of strength in 15 minutes. Small diameter injection holes, 5/8 inch, through the concrete foundation. Lightweight material, 4 pounds per cubic foot.

PROJECT SUMMARY

- Injected 2,500 pounds of High-Density Polyurethane.
- Stopped the equipment vibration
- Work performed over the weekend, minimizing downtime
- Maintained a very clean environment in the food processing facility