



OVER 40 YEARS OF PERFORMANCE DESIGNED SOLUTIONS
APPLICATION: REFRACTORY LINED FABRICATION LOCATION: MIDWEST - USA

REFRACTORY LINED FABRICATION



CUSTOMER NEED ❖

A large OEM was supplying new Stage I meal pipes for a Texas cement plant. They were interested in a process that would **reduce costs, increase quality, and speed up delivery.**

URC SOLUTION ❖

Traditionally, this type of project would require multiple P.O.s, potentially including a fab shop, refractory contractor, refractory manufacturer, refractory molds, and logistics. (See figure 1.) This approach involves more time, money, and freight.

In 2016, URC introduced **1SOURCE**...a one step process for fabricated, refractory lined components. (See figure 2.)

- 1 P.O. for the entire project
- 1 point of supply...all work done at 1 location
- 1 shop for inspector visits
- 1 shipment to final jobsite

RESULTS ❖

1 P.O. = 15-20% Total Savings

- **Fabrication and Refractory:** Over 30 sections, sluice boxes and expansion joints were fabricated and lined at 1 URC location.
- **Scope of Work Revisions:** During the project, changes were made by the OEM. These were properly handled without excess shipping and with no errors.
- **Minimal Logistics:** Shipping was kept to a minimum.
- **Simplified Inspections:** The inspector visited 1 location to review all fabrication and refractory specs.



MULTI-STEP PROCESS



- 1 Fab Parts to Refractory Contractor
- 2 Refractory to Contractor
- 3 Molds to Contractors
- 4 Fab Parts Require Revisions
- 5 Inspector Visits Multiple Locations
- 6 Finished Parts to Jobsite

1SOURCE



- 1 Finished Parts to Jobsite

- 1SOURCE
- Less Time
- Less Freight
- Better Quality
- More Savings



Fabricated pipes are being prepared for refractory.



Lined meal pipes are assembled for inspection prior to shipment.