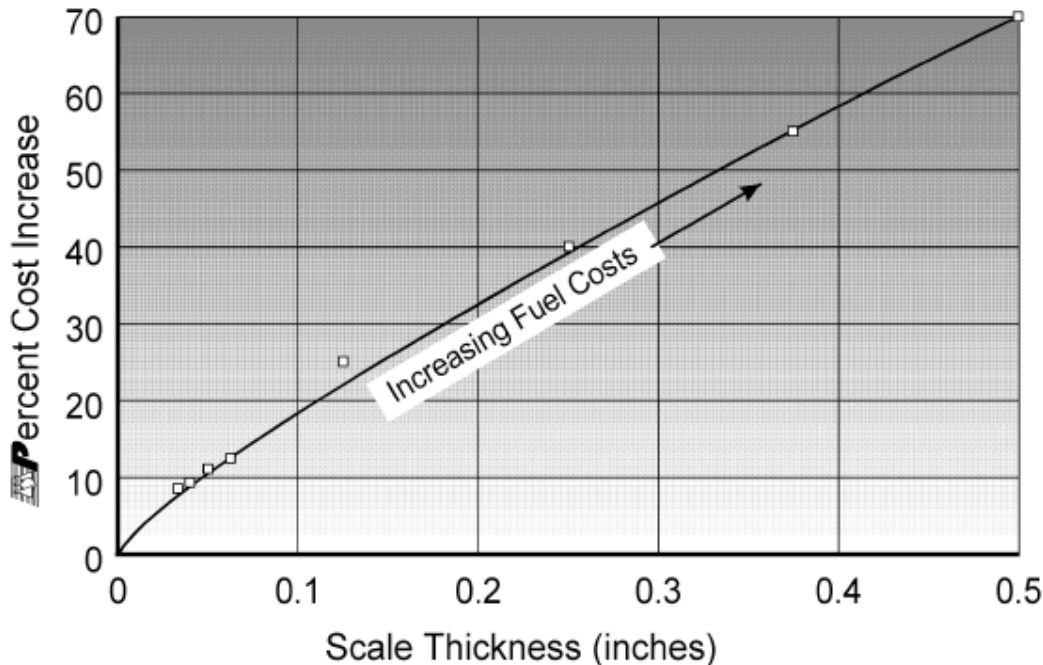


## **Effects of Scale Deposits in Boilers**

### **Fuel Cost Increases due to Boiler Scale**



Results of tests made by University of Illinois and the U.S. Bureau of Standards.

### **Additional Costs of Scale In Boilers**

1. Increased operating costs caused by running at higher chemical levels to remove scale.
2. Cost of boilout procedure including contractor, chemical and disposal costs.
3. Cost of repairing, and returning boilers to operating condition.
4. Costs of boiler depreciation due to corrosion, pitting, cleaning, expansion and contraction strains and other effects of scale.
5. Loss of time, inconvenience and delays due to excess scale in boilers.