

## Performing an API 2218 Fireproofing Needs Assessment

BE has conducted numerous API 2218 assessments for Oil & Gas, Chemical, Petrochemical, and other industrial markets to help clients determine where fireproofing is and is not needed to ensure their facilities are protected in the event of a fire, and to minimize cost of where fireproofing is needed.

### BE the Solution

An API 2218 assessment includes an analysis of the fire potential scenarios. Brindley Engineering's Process and Mechanical Engineers analyze the facility's process flow diagrams to identify high fire potential equipment and piping, and ultimately create the facility's fire envelope. Our Structural Engineers and Reliability Technicians then conduct field inspections to determine the existence of, and condition of, passive fireproofing systems (concrete, mastic, intumescent, other) and other fire-mitigation structures and systems. We then perform a risk analysis and a financial impact study of the systems, together with forward recommendations, to help our clients make informed decisions balancing safety, risk, and cost. We are typically then requested to provide repair plans and drawings for the fireproofing and underlying steel (which is often corroded) to ensure a safe and reliability structure.

### Our Challenges

Determining the needs of an entire unit, considering all active and passive systems, together with safety, risk, and financial impacts is a multi-discipline and complex process that requires a highly trained and skilled team.




### BE the Result

*BE's ability to perform these assessments and provide the Owner with a risk-based path forward is critical to managing risk verse cost, utilizing a data-based approach.*

### Contact Us

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