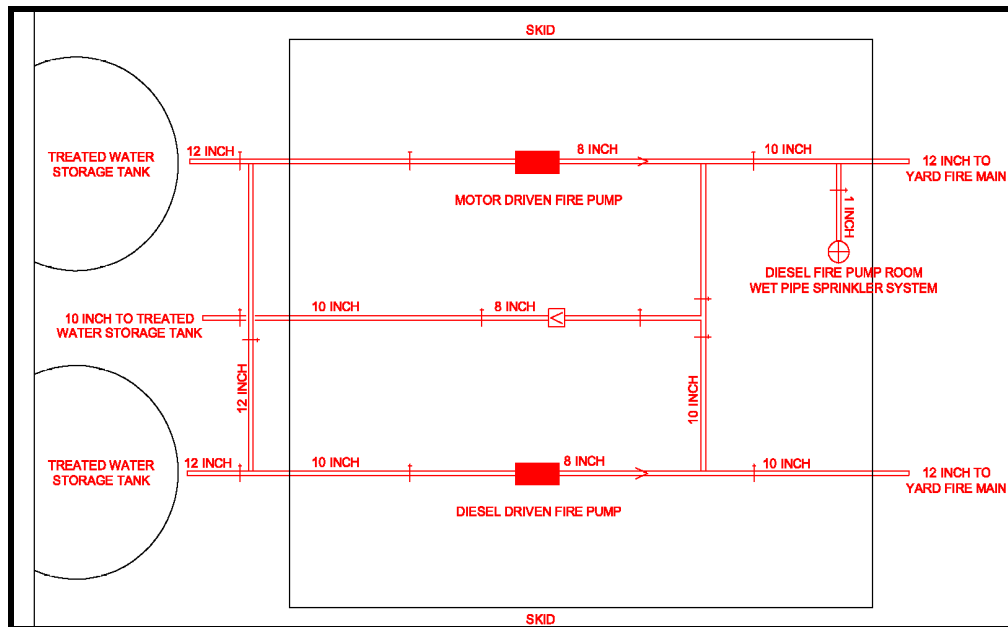


Baker Engineering and Risk Consultants, Inc. (BakerRisk) stands ready to assist in designing your new fire protection strategy, conducting routine equipment testing, and optimizing existing fire protection equipment. Our extensive experience provides value in identifying economical fire protection alternatives. Our Fire Protection Engineers will work with you to:

- Identify fire hazards and develop a cost-effective fire protection strategy
- Develop a fire protection philosophy for new plants and plant expansions.
- Utilize inherently safer practice such as spacing, layout, hazardous confinement and material substitution to minimize risks
- Develop fire protection specifications
- Conduct Fire Pump Acceptance Tests and regular fire pump performance tests
- Conduct fireproofing evaluations
- Optimize fire detection and fire suppression equipment layout
- Conduct electrical area classification reviews
- Computer model fire consequences to determine fire protection needs and develop response plans
- Develop crisis management and emergency response plans and conduct exercises
- Determine system degradation and quantify capacity by conducting Hydraulic Gradient Analyses and Maximum Firewater Demand Evaluations
- Conduct Third Party Fire Protection Evaluations, based on company standards and accepted industry practices



Fire Pump Piping Layout



FIRE PROTECTION ENGINEERING

**BAKER ENGINEERING AND
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About BakerRisk

Baker Engineering and Risk Consultants, Inc. is one of the world's leading explosion analysis, structural design, and risk engineering companies. BakerRisk provides comprehensive consulting, engineering, laboratory and range testing services to government agencies and private companies who are involved with dangerous, highly hazardous, reactive, or explosive materials.



Blast Effects & Explosion Testing



**Dynamic Structural Analysis
and Design**



Risk Engineering



Process Safety



Incident Investigations



**Reactive Chemicals Testing &
Management Systems**

www.BakerRisk.com

BakerRisk consultants have extensive knowledge of:

- Fireproofing
- Fixed suppression systems including: water deluge, foam, dry chemical, and gaseous extinguishing systems
- Automatic sprinkler systems
- Firewater hydraulics and performance testing;
- Fire pumps
- Fire mains, hydrants, and monitors
- Training programs
- Fire, gas, and smoke detection
- Industry standards including NFPA, API, CCPS, and FMGlobal
- Fire codes
- Fire trucks and mobile apparatus
- Fire investigation



Storage Tank Deluge System

BakerRisk's degreed and licensed Fire Protection Engineers have an average of 25 years experience providing fire protection engineering services to numerous companies in the petroleum, chemical, insurance, and power industries. Our staff has worked worldwide on projects in refineries, chemical plants, Liquefied Petroleum Gas (LPG) plants and terminals, offshore platforms, and power plants.

Contact BakerRisk to discuss your fire protection engineering needs.