

Gas Explosion Prompts Packaging Giant to Rethink Safety Strategy

Application Note

Challenge

At a Fortune 500 American packaged foods company, the water heater manufacturer was purging a new gas line using natural gas, which was released into the room where the equipment was being installed. Inevitably, the natural gas found an ignition source and exploded; damaging 100,000 square feet of the plant. 18,000 pounds of ammonia were released into the atmosphere, tragically resulting in death and 70 people being sent to hospital.

Solution

Honeywell Combustion Safety was called to investigate code compliance and maintenance issues, and perform interlock and valve tightness testing as well as gas pipe system repairs. During the visit, Honeywell engineers uncovered more than 50 critical failed interlocks, 30 leaking valves, and 50 critical and 150 mandatory items related to ovens and boilers.

Benefit

Working diligently with corporate managers, Honeywell helped the organization correct their safety infractions and achieve compliance with NFPA 86 and NFPA 54 codes through personnel training, gas piping and purging services and annual maintenance. Honeywell and the food company work hand in hand to provide annual inspection and testing services at 75 locations in the US and Canada, along with on-site training. Taking a proactive approach to safety will always prove beneficial, as risk is avoided and potential lives saved.



World Leader in Combustion Safety Services

With 30 years of industry experience, Honeywell Combustion Safety, formerly known as CEC Combustion Safety, is the world leader in managing and mitigating combustion equipment and fuel gas piping risk exposure. The company provides expert testing, inspection, training and engineering services for all types of fuel-fired systems across numerous industries throughout the world.

National Code Committee Member

- **NFPA 85** - Boilers greater than 12.5 MM BTU/HR
- **NFPA 86** - Furnaces & Ovens
- **NFPA 87** - Fluid Heaters
- **NFPA 56** - Standard for fire & explosion prevention during cleaning & purging of flammable gas piping systems

Facts and Figures

- Global service, engineering & upgrade capabilities
- Domain expertise with all types of fuel-fired systems across numerous industries
- 30,000+ fuel-fired systems inspected and safety tested
- SafeView - A unique online reporting system featuring a dashboard that trends and tracks issues, and empowers proactive decisions across one to 100+ facilities and thousands of fuel-fired systems
- Corporate-wide creation, implementation and management of safety programs
- Thousands trained annually with client-specific hazards, live-fire demos and online training
- Proven safety services to increase safety, reduce costs and increase reliability, efficiencies, and competitiveness while ensuring facility capacity

Our Mission

To save lives and prevent explosions while increasing the efficiency and reliability of combustion equipment.

Honeywell

- Incident Investigation
- National Code Compliance
- Corporate Safety & Compliance Program

For more information

Learn more about Honeywell Combustion Safety, contact info@combustionsafety.com, visit www.combustionsafety.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

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