

# National Board Incident Report Form

Incident Report # \_\_\_\_\_

(for NB use)

Report Date: \_\_\_\_\_ Jurisdiction: \_\_\_\_\_ Incident Date: \_\_\_\_\_

Type of Incident: \_\_\_\_\_  
See Legend Type of Business Where Used: \_\_\_\_\_  
Hospital/School/Mfg., etc.

Primary Cause \_\_\_\_\_ Contributing Cause: \_\_\_\_\_  
See Legend See Legend

Manufactured by: \_\_\_\_\_ NB# \_\_\_\_\_ Mfr. # \_\_\_\_\_

Year Built: \_\_\_\_\_ MAWP: \_\_\_\_\_ Type/Use of PRI: \_\_\_\_\_  
See Legend

To what Code was PRI built? \_\_\_\_\_  
1998 ASME Sect. I, etc.

Was a PRD installed? \_\_\_\_\_ Y/N Was installed PRD adequate? \_\_\_\_\_  
Y/N

Set Pressure of PRD \_\_\_\_\_ Was PRD ASME/NB marked? \_\_\_\_\_  
1 2 3 Y/N

Does Jurisdiction require licensed operators? \_\_\_\_\_ Y/N Was a licensed operator present \_\_\_\_\_  
Y/N or NA

Does Jurisdiction require periodic operators? \_\_\_\_\_ Y/N Was the current certificate posted? \_\_\_\_\_  
Y/N or NA

Were previous repairs/alterations made? \_\_\_\_\_ Y/N Were "R" Forms completed? \_\_\_\_\_  
Y/N or NA

Was there evidence of undocumented repairs? \_\_\_\_\_ Y/N Were previous violations reported? \_\_\_\_\_  
Y/N

Number killed: \_\_\_\_\_ Number injured: \_\_\_\_\_ Estimated property damage: \_\_\_\_\_

Brief description of incident (Additional data may be attached on a separate sheet). If an official Jurisdictional report is available, please attach it to this sheet.

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Additional comments (violation history, adverse conditions, etc.):

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Submitted by: \_\_\_\_\_ Affiliation: \_\_\_\_\_



## Legend

### Type of Incident

Crack  
Dry Fire  
Fire  
Fire Side Explosion  
Pressure Side Explosion

Leak  
Rupture  
Other  
Unknown

### Abbreviations

ASME - American Society of Mechanical Engineers  
Mfg. - Manufacturing  
Mfr. - Manufacturer  
NB - National Board  
PRD - Pressure relief device  
PRI - Pressure retaining item  
"R" Form - NB repair or alteration form

### Type/Use of PRI

#### Pressure Vessel

Acetylene or Welding Gas  
Anhydrous Ammonia  
Air Receiver/Tank Mounted Compressor  
Air Receiver/Remote Compressor  
Butane  
Chemical Storage/Processing  
Cryogenic Vessel  
Diesel Storage/Processing  
Ethylene Storage/Processing  
Gasoline Storage/Processing  
Liquid Hydrogen Storage/Processing  
Natural Gas Storage/Processing

Oil Storage/Processing  
Oxygen Storage/Processing  
Pressure Vessel – Fired  
Pressure Vessel – Unfired  
Propane Storage/Processing  
Reactor Vessel  
Rotating Dryer Roll  
Scuba or Diving Cylinder  
Water Storage/Processing  
Other  
Unknown

#### Boiler

Firetube – Hot Water Supply  
Firetube – Heating  
Firetube – Power  
Firetube – Process  
Watertube – Hot Water Supply  
Watertube – Heating  
Watertube – Power  
Watertube – Process  
Water Heater  
Cast Iron  
Other  
Unknown

### Piping

Air  
Chemical  
Natural Gas/Propane  
Petroleum Products

Steam  
Water  
Other  
Unknown

### Primary Cause

Burner Malfunction  
Chemical Reaction  
Corrosion  
Dry Firing  
Electrical Malfunction  
Erosion  
External Fire or Explosion  
Exterior Gas or Fumes  
Failure in Hydrostatic Test  
Failure in Pneumatic Test  
Leak in Connection

Leak-Origin Unknown  
Leak in Vessel Wall  
Leak at Weld  
Leak-Other  
Low Water Cutoff Failure  
Opened Under Pressure  
Overpressure  
Stress-Thermal/Cyclic/Water Hammer  
Other  
Unknown

### Contributing Cause

Arson  
Design Error/Engineering  
Improper Connections  
Improper Filling  
Improper Firing  
Improper Gas Ignition  
Improper Installation

Improper or No Maintenance  
Improper Repair/Modification  
Manufacturing Error  
Murder Attempt  
Object Striking Vessel or Pipe  
Opened Under Pressure  
Operator Error

PRD Faulty  
PRD Missing  
PRD Stuck Shut  
PRD Undersized  
Sabotage  
Suicide Attempt  
Use contrary to design parameters

Vandalism  
Weld Defect  
Other  
Unknown