



REPORT_TYPE
INITIAL REPORT ☐
SUPPLEMENTAL REPORT

REPORT_NUMBER

DOT USE ONLY

SUPPLEMENTAL_NUMBER

OPERATOR_NAME

/ / / / / /

OPERATOR ID

HQ_ADDRESS_STREET

Number and Street

HQ_ADDRESS_CITY, HQ_ADDRESS_COUNTY

City and County

HQ_ADDRESS_STATE, HQ_ADDRESS_ZIP

State and Zip Code

PREPARER_PHONE

PREPARER_NAME, PREPARER_TITLE

(Type or print) Preparer's Name and Title

Area Code and Telephone Number

PREPARER_EMAIL

Preparer's email address

PREPARER_FAX

Area Code and Facsimile Number

Preparer's address:

OFFICE_ADDRESS_STREET

Number and Street

OFFICE_ADDRESS_CITY, OFFICE_ADDRESS_COUNTY

City and County

OFFICE_ADDRESS_STATE, OFFICE_ADDRESS_ZIP

State and Zip Code

Date Submitted

Authorized Alternative Reporting Submissions Only:

Name and Title of Person Signing

Area Code and Telephone Number

Authorized Signature

PART C – MECHANICAL FITTING FAILURE DATA – (If the data about the “Manufacturer”, “Part or Model Number”, or” Lot Number” cannot be located with reasonable effort or if the data is unknown, enter “Unavailable”; do not leave data fields blank.)

- 1) State in Which Fitting Failed: FAILURE_STATE
- 2) Date of Failure: FAILURE_DATE
MF_INVOLVED_TEXT / MF_INVOLVED_OTHER (describe other)
- 3) Specify the Mechanical Fitting Involved: ☐ Stab ☐ Nut Follower ☐ Bolted ☐ Other Compression Type Fitting _____
MF_TYPE_TEXT
- 4) Specify the Type of Mechanical Fitting: ☐ Service or Main Tee ☐ Tapping ☐ Transition Fitting ☐ Coupling ☐ Riser
☐ Adapter ☐ Valve ☐ Sleeve ☐ End Cap ☐ Other MF_TYPE_OTHER
- 5) Leak Location: ☐ Aboveground or ☐ Belowground; LEAK_LOCATION_A_TEXT
☐ Inside or ☐ Outside; LEAK_LOCATION_B_TEXT
LEAK_LOCATION_C_TEXT ☐ Main-to-Main or ☐ Main-to-Service or ☐ Service-to-Service or ☐ Meter Set
- 6) Year Installed: YEAR_INSTALLED
- 7) Year Manufactured: YEAR_MANUFACTURED
- 8) If Neither Year Installed or Year Manufactured is Known, Provide Decade Installed: DECADE_INSTALLED
- 9) Manufacturer: MANUFACTURE / MANUFACTURE_OTHER (describe other)
- 10) Part or Model Number: MODEL_NUMBER
- 11) Lot Number: LOT_NUMBER
- 12) Other Attributes: LOT_ATTRIBUTES
FITTING_MATERIAL_TEXT
- 13) Fitting Material: ☐ Steel ☐ Plastic ☐ Combination Plastic and Steel ☐ Brass ☐ Unknown ☐ Other FITTING_MATERIAL_OTHER
- 14) Specify the Two Materials Being Joined:
- a) First Pipe
Nominal Size: ☐ 1/4" ☐ 1/2" ☐ 3/4" ☐ 1" ☐ 1-1/4" ☐ 1-1/2" ☐ 1-3/4" ☐ 2" ☐ 3" ☐ 4" ☐ 6" ☐ 8" or larger
Unit: ☐ IPS or ☐ CTS or ☐ NPS FIRST_PIPE_UNIT_TEXT
Material: ☐ Steel ☐ Cast/Wrought Iron ☐ Ductile Iron ☐ Copper ☐ Plastic ☐ Unknown ☐ Other FIRST_PIPE_MATERIAL_OTHER
FIRST_PIPE_PLASTIC_TEXT
❖ If Plastic ⇨ Specify: ☐ Polyethylene (PE) ☐ Polyvinyl Chloride (PVC) ☐ Cross-linked Polyethylene (PEX)
☐ Polybutylene (PB) ☐ Polypropylene (PP) ☐ Acrylonitrile Butadiene Styrene (ABS) ☐ Polyamide (PA)
☐ Cellulose Acetate Butyrate (CAB) ☐ Other ⇨ Specify: FIRST_PIPE_PLASTIC_OTHER
- b) Second Pipe
Nominal Size: ☐ 1/4" ☐ 1/2" ☐ 3/4" ☐ 1" ☐ 1-1/4" ☐ 1-1/2" ☐ 1-3/4" ☐ 2" ☐ 3" ☐ 4" ☐ 6" ☐ 8" or larger
Unit: ☐ IPS or ☐ CTS or ☐ NPS SECOND_PIPE_UNIT_TEXT
Material: ☐ Steel ☐ Cast/Wrought Iron ☐ Ductile Iron ☐ Copper ☐ Plastic ☐ Unknown ☐ Other SECOND_PIPE_MATERIAL_OTHER
SECOND_PIPE_PLASTIC_TEXT
❖ If Plastic ⇨ Specify: ☐ Polyethylene (PE) ☐ Polyvinyl Chloride (PVC) ☐ Cross-linked Polyethylene (PEX)
☐ Polybutylene (PB) ☐ Polypropylene (PP) ☐ Acrylonitrile Butadiene Styrene (ABS) ☐ Polyamide (PA)
☐ Cellulose Acetate Butyrate (CAB) ☐ Other ⇨ Specify: SECOND_PIPE_PLASTIC_OTHER
- 15) Apparent Cause of Leak:
LEAK_CAUSE_TEXT
☐ Corrosion NF_THERMAL_EXP_TEXT
☐ Natural Forces Was there thermal expansion/contraction? ☐ Yes or ☐ No
☐ Excavation Damage Time excavation damage occurred? ☐ At time of leak discovery or ☐ Previous to leak discovery
☐ Other Outside Force Damage EX_DAMAGE_OCCURRED_TEXT
☐ Material or Welds/Fusions Was the leak due to ☐ Construction/Installation Defect or ☐ Material Defect or ☐ Design Defect
☐ Equipment MAT_WELDS_LEAK_CAUSE_TEXT
☐ Incorrect Operation
☐ Other Explain: LEAK_CAUSE_OTHER
(Reports submitted during 2011 and 2012 with a cause of “Material or Weld” and leak due to “Construction/Installation Defect”, have been changed by PHMSA to a cause of “Incorrect Operation”)
- 16) How did the leak occur? ☐ Leaked Through Seal or ☐ Leaked Through Body or ☐ Pulled Out LEAK_OCCURRED_TEXT
- 17) Operator's Internal Mechanical Fitting Failure Tracking Number (optional): MFF_NUMBER_FROM_OPERATOR
Record Identification Number <<This number will be auto-generated by PHMSA for each submitted mechanical fitting failure report.>>

Note: Field names not on the form are as following:

Field Name	Field Name Description
DATAFILE_AS_OF	<i>Date when a flat file created</i>
FORM_REV	<i>Form PHMSA F7100.1-2 Mechanical Fitting Failure</i>
REPORT_DATE	<i>Date when initial report submitted</i>
FILING_DATE	<i>Date when supplemental report filed</i>
MANUFACTURE_MAPPED	<i>Manufacturer name grouping by PHMSA</i>