

Risk Analysis Factor List



Item No.	Factor Name
1	3rd Party Vendor Quality Program
2	Age of Pipeline
3	Atmospheric Corrosion
4	Barriers and Warning Markers
5	Casing Wall Thickness
6	Cast Iron Mains Equipment Installation Inspection
7	Cast Iron Mains Joint Installation Inspection
8	Cast Iron Type
9	Cathodic Protection
10	Close Interval TPPotentials
11	Coating Quality
12	Coating Type
13	Commissioning Pressure Test
14	Construction Standards and Specifications
15	Corrosion State Confirmed by Excavation
16	Cross Bore
17	Depth Of Cover
18	Differential Temperature Effects
19	Driveway Proximity
20	Earth Activity Data
21	Employee and Contractor Training Effectiveness
22	Excavation Supervision
23	Excess Flow Valves
24	Experience
25	Flooding or Heavy Rain
26	Frost Heave
27	Gas Ignition Pressure
28	Gas Ingress Cover
29	Gas Ingress Diameter
30	Gas Ingress Proximity
31	Historical Repair Activity
32	Hurricane Damage
33	Insertion within Metallic Pipe
34	Installation Age
35	Internal Vendor Quality Program
36	Joint Coating
37	Land Instability
38	Latent Damage
39	Lightning Susceptibility
40	Low Pressure Regulator
41	Manufacturers Test
42	Map Accuracy
43	Map Updates
44	Material Type
45	Mechanical Fittings
46	Meter Set Strengthening Bar
47	Nearby Excavations
48	OneCall Locates
49	Patrol Frequency
50	Pipe Length
51	Pipe Pressure

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Item No.	Factor Name
52	Plastic Joining Method
53	Plastic Joint Installation Inspection
54	Plastic Manufacturer
55	Plastic Plastic Type
56	Plastic Temperature
57	Population Density
58	Preventive Maintenance
59	Previous Equipment Failures
60	Previous Joint/Weld Failures
61	Previous Material Failures
62	Procedure Roll Out
63	Procedures Format
64	Protection Type
65	Protection Type
66	Protective Barriers
67	Public Education
68	Rainfall
69	Rapid Crack Propagation
70	Recent Installation Date
71	Seismic Event Ground Displacement
72	Seismic Events and Geological Faults
73	Sensing Line Location
74	Sensing Line Location
75	Site Security
76	Slow Crack Growth
77	Snow Damage
78	Soil Liquefaction Susceptibility
79	Soil Resistivity
80	Squeeze Off
81	Steel Mains Joint Installation Inspection
82	Steel Manufacturers Test
83	Steel Services Equipment Installation Inspection
84	Steel Services Joint Installation Inspection
85	Steel Wall Thickness
86	Stray Current
87	Test Post Potentials
88	Tornadic Activity
89	Tracer Wire
90	Utility Density
91	Vehicle Protective Barriers
92	Vehicle Traffic Density