

# APGA POG Incident Database – Data collection form

Incident / Corrosion / External:

Drop down lists for this page:

<ul style="list-style-type: none"> <li>Event Category</li> </ul>	<ul style="list-style-type: none"> <li>Event Category</li> </ul>
<ul style="list-style-type: none"> <li>Near Miss</li> </ul>	<ul style="list-style-type: none"> <li>Incident</li> </ul>
<ul style="list-style-type: none"> <li>Incident</li> </ul>	<ul style="list-style-type: none"> <li>Incident</li> </ul>

Drop down list revealing additional field:

<ul style="list-style-type: none"> <li>Date of Event Known?</li> </ul>	<ul style="list-style-type: none"> <li>Date of Event Known?</li> </ul>
<ul style="list-style-type: none"> <li>Known</li> </ul>	<ul style="list-style-type: none"> <li>Known</li> </ul>
<ul style="list-style-type: none"> <li>Unknown</li> </ul>	<ul style="list-style-type: none"> <li>Date of Event</li> </ul>

**ACTIVITIES** ⌵ ×

- Start
- Find a Pipeline Event
- Create Event
- Incident by Cause

Start
 Create Event ×

Explanatory Notes

**Pipe Details**

- Pipe Diameter (mm)
- Pipe Wall Thickness (mm)
- Steel Grade
- Steel Strength
- Maximum allowable operating pressure (kPa)
- Depth of Cover (mm)
- Pipeline Age (years)
- Primary Location Class
- Secondary Location Class

Operating Pressure at Time of Event (kPa)

Operating Temperature at Time of Event (C)

- Hydrostatic Test Pressure (kPa)
- Date of latest Hydrostatic Test Pressure Known?
- Fracture Toughness Known?

Drop down lists for this page:

<span style="color: red;">•</span> Steel Grade	<span style="color: red;">•</span> Steel Grade			
API 5L Grade A	API 5L Grade X60			
API 5L Grade B	API 5L Grade X65			
API 5L Grade X42	API 5L Grade X70			
API 5L Grade X46	API 5L Grade X80			
API 5L Grade X52	ASTM A53 Grade B	<span style="color: red;">•</span> Steel Strength		
API 5L Grade X56	SAA Grade A33 Class D	PSL1		
API 5L Grade X59	Other	PSL2		
		Unknown		
			<span style="color: red;">•</span> Primary Location Class	
			R1	
			R2	
			T1	
			T2	
				<span style="color: red;">•</span> Secondary Location Class
				S
				CIC
				I
				HI
				W
				N/A

Drop down lists revealing additional fields:

• Date of latest Hydrostatic Test Pressure Known?  
Known  
Unknown

• Fracture Toughness Known?  
Known  
Unknown

• Date of latest Hydrostatic Test Pressure Known?  
Known

• Hydrostatic Test Date

• Fracture Toughness (J Cv10)

• Toughness Test Temperature (C)

APGA

Pipeline Operators Group

ACTIVITIES

- Start
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Explanatory Notes

Risk

- How many years since the last safety management study
- Was this threat identified in the safety management study

Risk assessment comments

Drop down lists for this page:

Risk

- How many years since the last safety management study
- 0-1
- 1-2
- 2-3
- 3-4
- 4-5
- >5

Drop down lists revealing additional fields:

• Was this threat identified in the safety management study  
Yes  
No

• Was this threat identified in the safety management study  
Yes

• Did the safety management study consider the threat to be controlled

• Were threat management measures implemented to minimise the risk

**ACTIVITIES** ⌵ ×

- Start
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Start

|

Explanatory Notes

Cause Details

- What was the cause of the event

Cause Details

- What was the cause of the event
- External Interference
- Corrosion
- Erosion or Earth Movement
- Lightning
- Construction Defect
- Material defect
- Other

**ACTIVITIES** ⌵ ×

- Start
- Find a Pipeline Event
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Start

|

Explanatory Notes

Cause Details

- What was the cause of the event

Corrosion Details

- Type of corrosion

- Is the pipeline piggable?

- Type of corrosion
- External
- Internal
- SCC

Corrosion Details	
<ul style="list-style-type: none"> <li>Type of corrosion</li> </ul>	External
<ul style="list-style-type: none"> <li>Is the pipeline piggable?</li> </ul>	
<ul style="list-style-type: none"> <li>Linepipe coating type</li> </ul>	
<ul style="list-style-type: none"> <li>Linepipe coating condition</li> </ul>	
Further comment on linepipe coating	
<ul style="list-style-type: none"> <li>Joint or repair coating type</li> </ul>	
<ul style="list-style-type: none"> <li>Joint or repair coating condition</li> </ul>	
Further comment on joint or repair coating	
<ul style="list-style-type: none"> <li>Cathodic protection system</li> </ul>	
Pipe-soil potential (mV to Cu/CuSO4)	
Other factors affecting external corrosion	

		How long since last in-line inspection (years)	
		0-1	
		1-2	
		2-3	
		3-4	
<ul style="list-style-type: none"> <li>Is the pipeline piggable?</li> </ul>	Yes	4-5	7-8
Yes	<ul style="list-style-type: none"> <li>How long since last in-line inspection (years)</li> </ul>	5-6	8-9
No		6-7	>10

<ul style="list-style-type: none"> <li>Linepipe coating type</li> </ul>			
Extruded HDPE			
FBE (single layer)			
FBE (dual layer)			
Trilaminate			
Enamel (coal tar or bituminous)		<ul style="list-style-type: none"> <li>"Factory" or "over the ditch" linepipe coating</li> </ul>	<ul style="list-style-type: none"> <li>Linepipe coating condition</li> </ul>
Tape wrap	<ul style="list-style-type: none"> <li>Linepipe coating type</li> </ul>	Factory applied	Bonded
Liquid applied coating	Other	Over the ditch application	Disbonded but protected
Other			Disbonded but shielded
N/A			

• Joint or repair coating type

Liquid-applied coating

Heat shrink sleeve

Tape

Same as linepipe

N/A

Other

• Joint or repair coating type

Other

Joint or repair coating type Other

Other

• Joint or repair coating condition

Bonded

Disbonded but protected

Disbonded and shielded

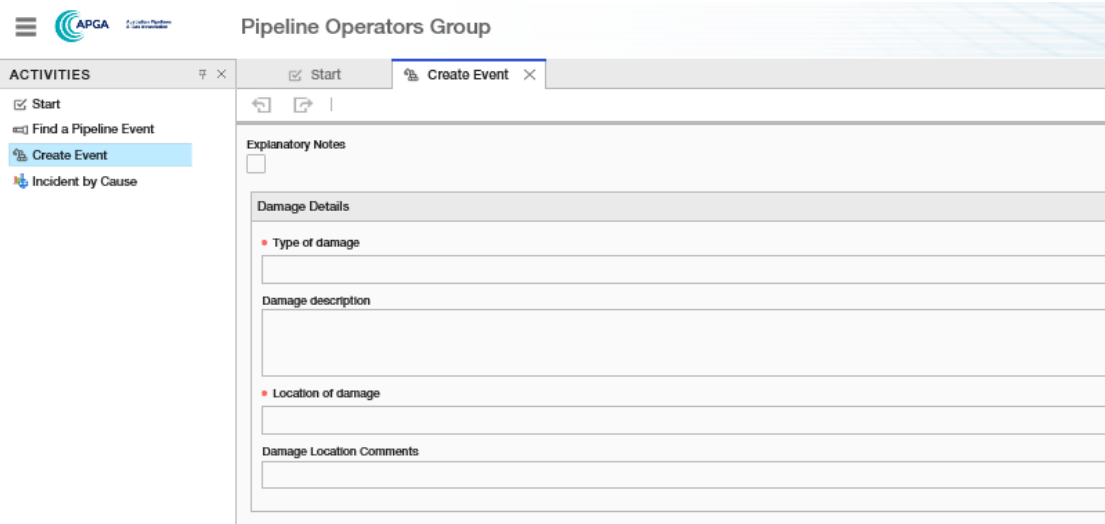
• Cathodic protection system

Impressed current

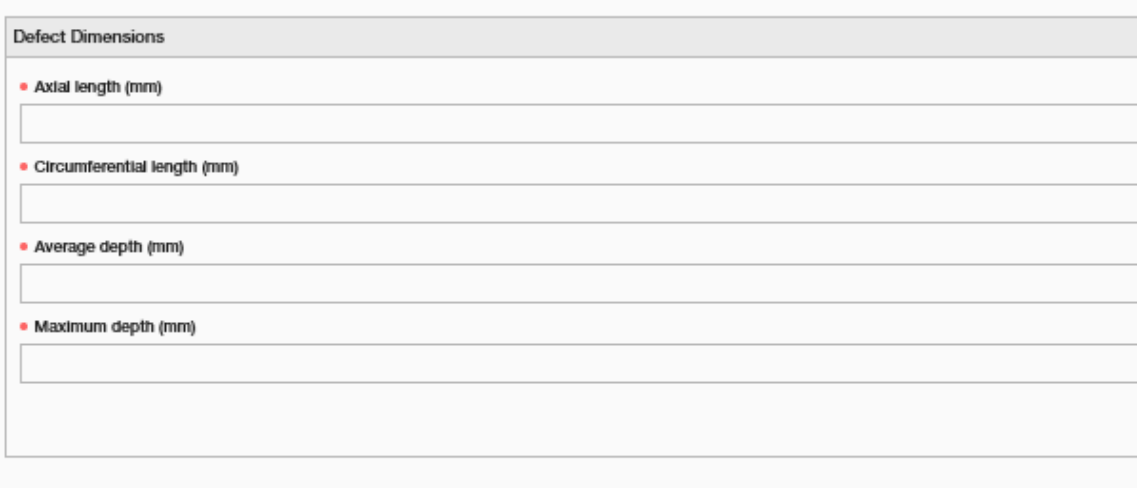
Galvanic anode

Combined

None



Drop down lists revealing additional fields:



Defect Position
<ul style="list-style-type: none"> <li>Circumferential Position (Start)</li> </ul> <input type="text"/>
<ul style="list-style-type: none"> <li>Circumferential Position (End)</li> </ul> <input type="text"/>
<ul style="list-style-type: none"> <li>Distance from seam weld known?</li> </ul> <input type="text"/>
<ul style="list-style-type: none"> <li>Distance from girth weld known?</li> </ul> <input type="text"/>

Drop down lists for this page:

Circumferential Position (Start)			Circumferential Position (End)		
12:00	03:30	07:00	12:00	03:30	07:00
12:30	04:00	07:30	12:30	04:00	07:30
01:00	04:30	08:00	01:00	04:30	08:00
01:30	05:00	08:30	01:30	05:00	08:30
02:00	05:30	09:00	02:00	05:30	09:00
02:30	06:00	09:30	02:30	06:00	09:30
03:00	06:30	10:00	03:00	06:30	10:00

Drop down lists revealing additional fields:

<ul style="list-style-type: none"> <li>Distance from seam weld known?</li> </ul>	<ul style="list-style-type: none"> <li>Distance from seam weld known?</li> </ul>
Known	Known
Unknown	<ul style="list-style-type: none"> <li>Distance from seam weld (mm)</li> </ul> <input type="text"/>
N/A	
	<ul style="list-style-type: none"> <li>Distance from girth weld known?</li> </ul>
<ul style="list-style-type: none"> <li>Distance from girth weld known?</li> </ul>	Known
Known	<ul style="list-style-type: none"> <li>Distance from girth weld (mm)</li> </ul> <input type="text"/>
Unknown	

Critical Defect Length for rupture	
<ul style="list-style-type: none"> <li>Critical defect length for rupture known?</li> </ul> <input type="text"/>	
<ul style="list-style-type: none"> <li>Critical defect length for rupture known?</li> </ul>	<ul style="list-style-type: none"> <li>Critical defect length for rupture known?</li> </ul>
Known	Known
Unknown	<ul style="list-style-type: none"> <li>Critical defect length (mm)</li> </ul> <input type="text"/>



ACTIVITIES

- Start
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- Incident by Cause

Start Create Event

Explanatory Notes

Repair Details

Type of Repair

Repair Description

Repair Details

Type of Repair

Cut out and replace

Welded sleeve

Mechanical clamp

Composite Fibre Reinforcement

Dress and re-coat

Re-coat

Other

Type of Repair

Repair Type Other

ACTIVITIES Start Create Event

Start Find a Pipeline Event Create Event Incident by Cause

Explanatory Notes

Fatalities

Were there any fatalities?

Were there any fatalities?

Yes

Number of Fatalities

Distance of fatalities from event known?

Known

Distance of farthest fatality from event (m)

Unknown

Injuries

Were there any injuries?

Were there any injuries?

Yes

Number of people injured

Distance of injuries from event known?

Known

Distance of farthest injury from event (m)

Unknown

Property Damage

Was there any property damage?

Was there any property damage?

Yes

Property damage (\$)

Is the distance of property damage from event known?

Known

Distance of property damage farthest from event (m)

Unknown

Supply Interruption

Was there a period of failure to supply?

Was there a period of failure to supply?

Yes

Was there a period of failure to supply?

No

Was there a period of reduced supply?

Yes

Was there a period of reduced supply?

No

Period of failure to supply (hours)

Period of reduced supply (hours)

**Loss of Containment**

Was there a loss of containment?

Was there a loss of containment?

Yes

No

Was there a loss of containment?

Type of Containment Loss

Gas

Liquid

Type of Containment Loss

Gas

Volume of gas lost known?

Known

Unknown

Volume of gas lost known?

Known

Unknown

Volume of gas lost ('000 Sm3)

Type of Containment Loss

Liquid

Volume of liquid spilled known?

Volume of liquid spilled known?

Known

Unknown

Volume of liquid recovered known?

Known

Unknown

Volume of liquid spilled (L)

Volume of liquid recovered known?

Known

Unknown

Volume of liquid recovered known?

Known

Unknown

Volume of liquid recovered (L)

**Environmental Damage**

Was there Environmental Damage?

Was there Environmental Damage?

Yes

Environmental Damage

Was there Environmental Damage?

Yes

No

**Feedback**

Feedback on this event reporting process