

## APGA POG Incident Database - General Information & Event Data Preparation PDF's

**Background:** Driven by poorly controlled data in the existing database making analysis difficult and inconclusive, the POG Incident Database Sub Committee undertook two reviews of the data entry fields.

**General Information:** The updated Incident Database system requires access to the Mipela X-Info Connect version 6.6 and a modern browser<sup>1</sup>. This version has more drop-down lists<sup>2</sup>, has many more mandatory fields<sup>3</sup>, more controlled fields and guidance information<sup>4</sup>. It is therefore recommended to select the relevant event data preparation PDF's from the attached series, print it and fill out manually before starting to enter the event<sup>5,6</sup> details in the system.

### List of Event Data Preparation PDF's: available in the APGA website [POG Incident Database](#)

- Near Miss - External Interference (updated Apr20)
- Incident - External Interference
- Incident - Corrosion – External
- Incident - Corrosion – Internal
- Incident - Corrosion – SCC
- Incident - Erosion or Earth Movement
- Incident – Lightning
- Incident - Construction Defect
- Incident - Material Defect
- Incident - Other

**Getting started:** Open the pipeline event entry log-in page from either of the following links:

- Via APGA website Members section [POG incident Database](#)
- Via Mipela X-Info link <https://apgapog.x-info.com.au>

Enter your Username and Password and hit Login. Contact APGA's Gayle Burns ([GBurns@apga.org.au](mailto:GBurns@apga.org.au)) if you need further assistance accessing the database.



Pipeline Operators Group

Username

Password

[Reset Password](#) [Login](#)

<sup>1</sup> Chrome, Microsoft Edge, Firefox and Safari and is also compatible with Internet Explorer IE 11 but may be a little slower.

<sup>2</sup> Click on arrow on the right-hand side of the entry box.

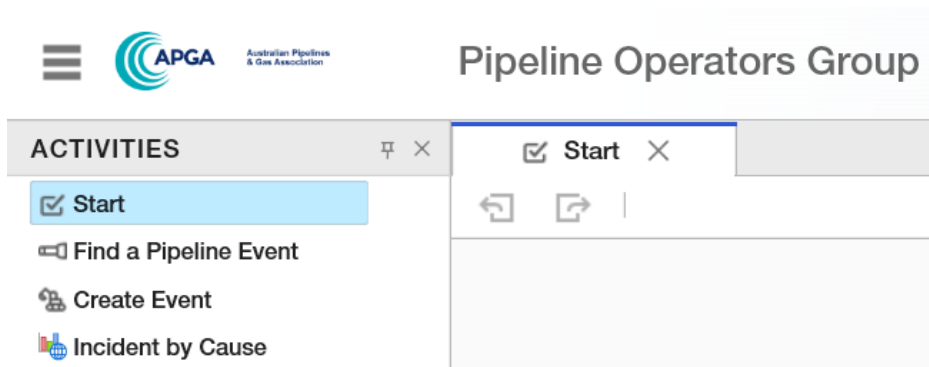
<sup>3</sup> Identified by a red dot on the left-hand side of the entry box which changes to a yellow dot when entry has been made.

<sup>4</sup> Hover the mouse over the entry box and a guidance note will appear.

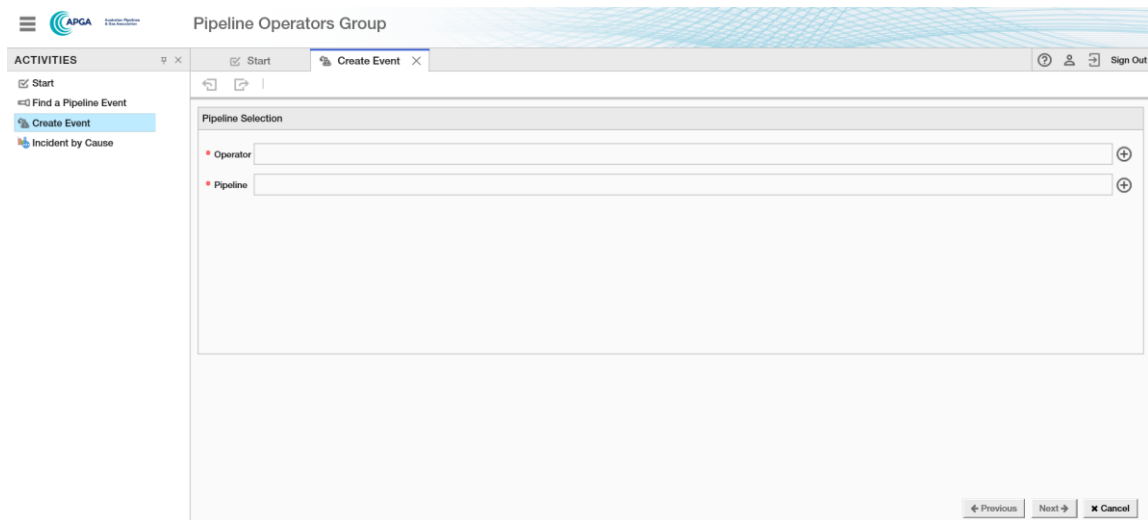
<sup>5</sup> Previously referred to as "incident".

<sup>6</sup> The "Next" button at the bottom of the page will change from grey to black once all mandatory fields are filled.

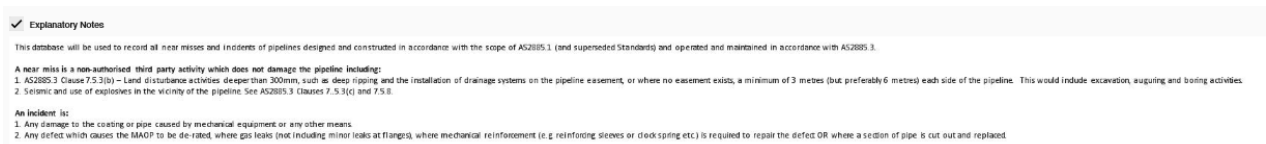
Select “Create Event”



Using the drop-down lists, select<sup>7</sup> “Operator” and “Pipeline” and then hit “Next”.



Explanatory Notes: Click on the box to reveal the following message – this is repeated on each page.



<sup>7</sup> Either select and hit “Ok” or double click.

Flow Chart #1: Data common for all events

**APGA** Pipeline Operators Group

ACTIVITIES: Start, Find a Pipeline Event, **Create Event**, Incident by Cause

Start | Create Event

Explanatory Notes

**Description**

Event ID: 2047

Internal Reference Number: [ ]

• Event Category: [ ]

• Date of discovery: [ ]

• Time of discovery: [ ]

• Date of Event Known?: [ ]

• Event Description: [ ]

**Location Details**

KP (km): [ ]

• Location: [ ]

Country: [ ]

Local Government Area: [ ]

Suburb: [ ]

• Latitude: [ ]

• Longitude: [ ]

Map: [ ]

Drop down list revealing additional field:

• Date of Event Known?	• Date of Event Known?
Known	Known
Unknown	• Date of Event

ACTIVITIES Start Create Event

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

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?
- Toughness Test Temperature (C)

Drop down lists for this page:

<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Steel Grade</li> <li>API 5L Grade A</li> <li>API 5L Grade B</li> <li>API 5L Grade X42</li> <li>API 5L Grade X46</li> <li>API 5L Grade X52</li> <li>API 5L Grade X56</li> <li>API 5L Grade X59</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Steel Grade</li> <li>API 5L Grade X60</li> <li>API 5L Grade X65</li> <li>API 5L Grade X70</li> <li>API 5L Grade X80</li> <li>ASTM A53 Grade B</li> <li>SAA Grade A33 Class D</li> <li>Other</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Steel Strength</li> <li>PSL1</li> <li>PSL2</li> <li>Unknown</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Primary Location Class</li> <li>R1</li> <li>R2</li> <li>T1</li> <li>T2</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Secondary Location Class</li> <li>S</li> <li>CIC</li> <li>I</li> <li>HI</li> <li>W</li> <li>N/A</li> </ul>
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Drop down lists revealing additional fields:

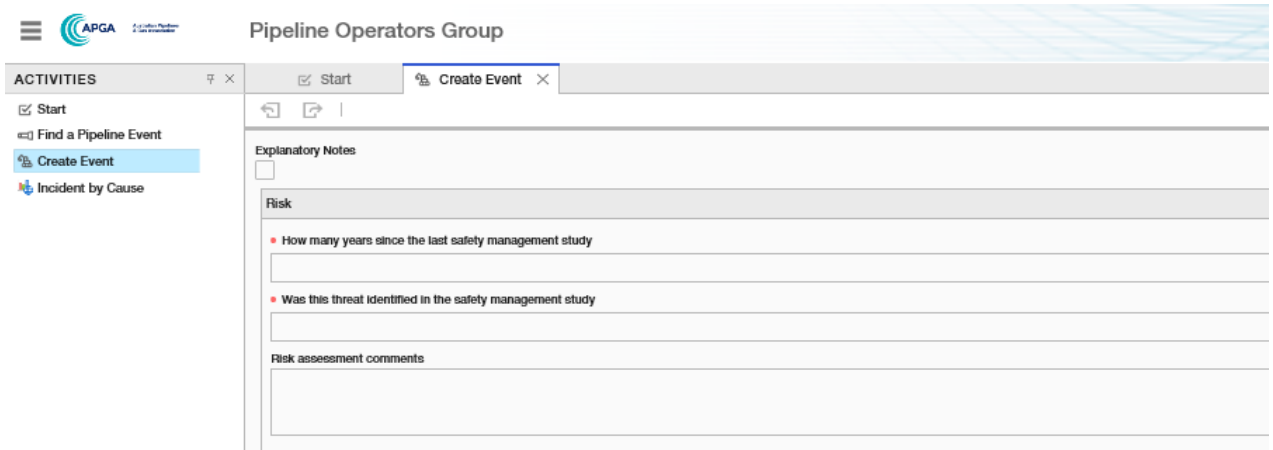
<ul style="list-style-type: none"><li>• Date of latest Hydrostatic Test Pressure Known?</li></ul>	<ul style="list-style-type: none"><li>• Date of latest Hydrostatic Test Pressure Known?</li></ul>
Known	Known
Unknown	

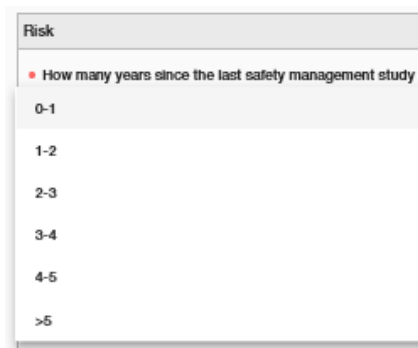
<ul style="list-style-type: none"><li>• Fracture Toughness Known?</li></ul>	<ul style="list-style-type: none"><li>• Fracture Toughness Known?</li></ul>
Known	Known
Unknown	

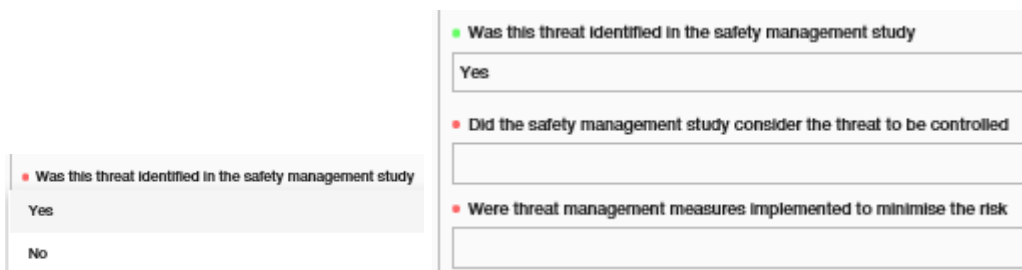
<ul style="list-style-type: none"><li>• Fracture Toughness (J Cv10)</li></ul>	



Drop down lists for this page:



Drop down lists revealing additional fields:



ACTIVITIES ☰ ×

- ☑ Start
- ☐ Find a Pipeline Event
- ☑ Create Event** ×
- ☑ Incident by Cause

☐ Start    ☑ Create Event ×

☐ ☐ |

Explanatory Notes

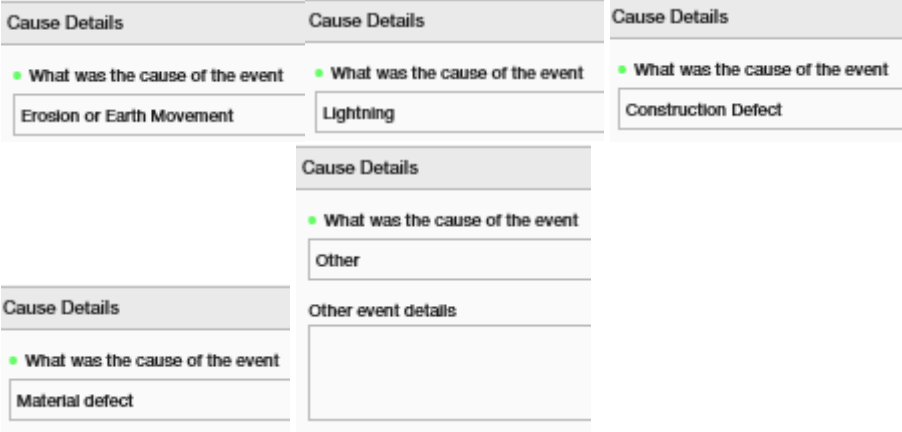
Cause Details

- 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

Flow Chart #2: Data common for all events with Cause “Erosion or Earth Movement”, “Lightning”, “Construction Defect”, “Material Defect” or “Other”





Flow Chart #3: Data common for all events with Cause "Corrosion"

The screenshot shows the APGA Pipeline Operators Group software interface. The main window is titled "Pipeline Operators Group" and has a "Create Event" tab selected. The left sidebar shows "ACTIVITIES" with "Create Event" highlighted. The main content area shows "Explanatory Notes" and "Cause Details". Under "Cause Details", a dropdown menu is open, showing "Corrosion" selected. Below this, a detailed "Corrosion Details" form is shown, containing various input fields for corrosion-related data.

**Corrosion Details**

- Type of corrosion: External
- Is the pipeline piggable? [ ]
- Linepipe coating type [ ]
- Linepipe coating condition [ ]
- Further comment on linepipe coating [ ]
- Joint or repair coating type [ ]
- Joint or repair coating condition [ ]
- Further comment on joint or repair coating [ ]
- Cathodic protection system [ ]
- Pipe-soil potential (mV to Cu/CuSO4) [ ]
- Other factors affecting external corrosion [ ]

			<ul style="list-style-type: none"> <li>How long since last in-line inspection (years)</li> </ul>	
			0-1	
			1-2	
			2-3	
		<ul style="list-style-type: none"> <li>Is the pipeline piggable?</li> </ul>	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				

<ul style="list-style-type: none"> <li>Joint or repair coating type</li> </ul>				
Liquid-applied coating				
Heat shrink sleeve				<ul style="list-style-type: none"> <li>Cathodic protection system</li> </ul>
Tape	<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>		Impressed current
Same as linepipe	Other	Bonded		Galvanic anode
N/A	Joint or repair coating type Other	Disbonded but protected		Combined
Other		Disbonded and shielded		None

**INTERNAL**

Type of corrosion  
 Internal

Is the pipeline piggable?  
 \_\_\_\_\_

Internal pipeline coating type  
 \_\_\_\_\_

Fluid quality  
 \_\_\_\_\_

Corrosion inhibitor used  
 \_\_\_\_\_

Other factors that may have contributed to internal corrosion  
 \_\_\_\_\_

	<input type="checkbox"/> How long since last in-line inspection (years) 0-1	
	1-2	
	2-3	
	3-4	
<input type="checkbox"/> Is the pipeline piggable? Yes	4-5	7-8
<input type="checkbox"/> How long since last in-line inspection (years) Yes	5-6	8-9
<input type="checkbox"/> No	6-7	>10

Internal pipeline coating type  
 Fusion bonded epoxy

Liquid high build epoxy

Liquid thin film epoxy

Special anti-corrosive painting

Other

None

Internal pipeline coating type  
 Other

Corrosion inhibitor used  
 Yes

No

## SCC

• Type of corrosion

SCC

• Is the pipeline piggable?

• Linepipe coating type

• Linepipe coating condition

Further comment on linepipe coating

• Joint or repair coating type

• Joint or repair coating condition

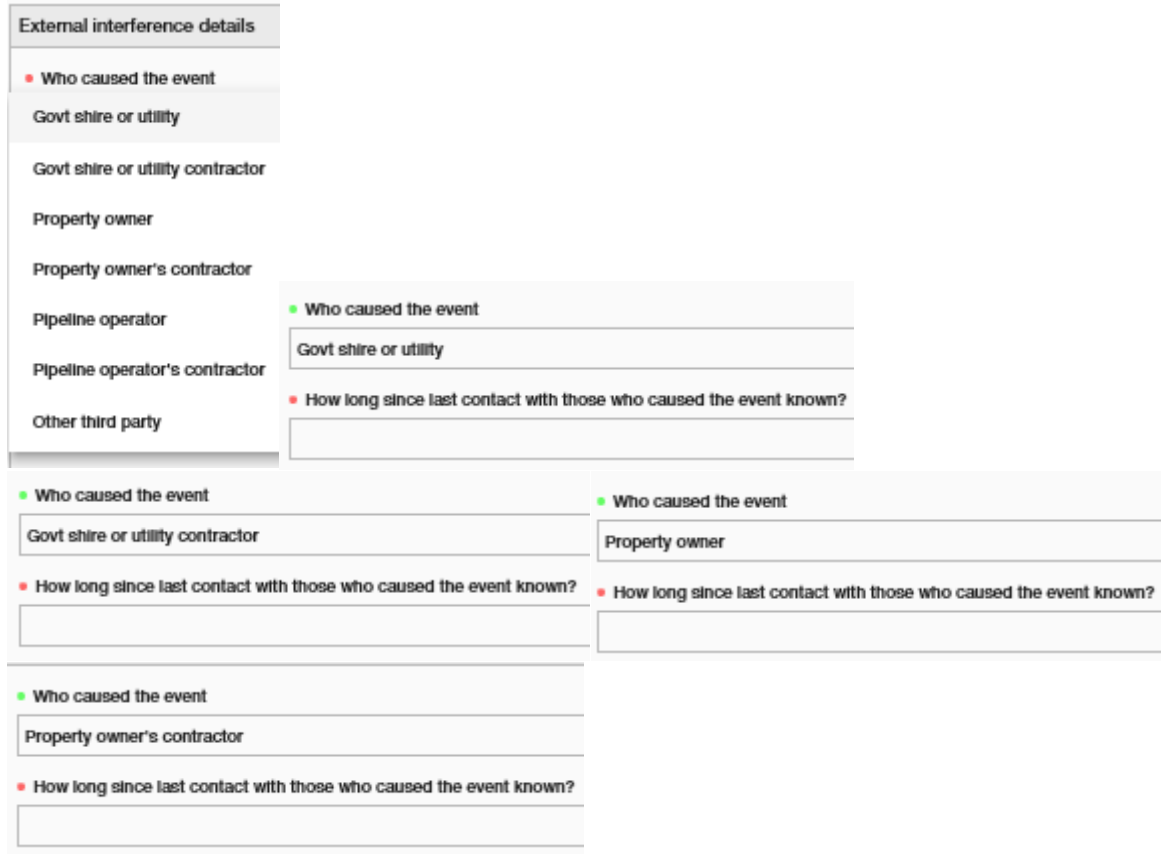
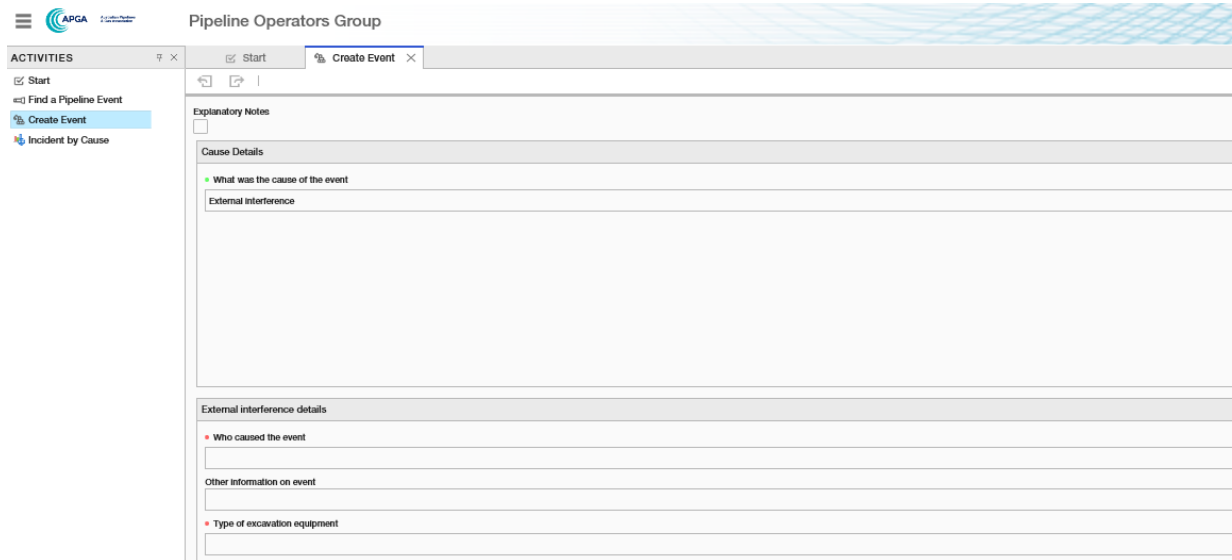
Further comment on joint or repair coating

• Cathodic protection system

Pipe-soil potential (mV to Cu/CuSO<sub>4</sub>)

Other factors affecting external corrosion

Flow Chart #4: Data common for all events with Cause “External Interference”



• Type of excavation equipment

Hand tools

Backhoe

Excavator

Auger (vertical)

Horizontal bore or HDD

Ripper or cable plough

Bulldozer grader or scraper

Agricultural plough

Hydro Vacuum Excavation

Chain Trencher

Other

Unknown

Needs box for "Other"

• Type of excavation equipment

Excavator

• Excavator size (T)

• Bucket / Tooth Type

• Bucket / Tooth Type

Mud Bucket

General Purpose tooth

Tiger tooth

Penetrating tool

Unknown

Other

• Bucket / Tooth Type

Other

Bucket / Tooth Type Other

External Interference Protection

• Nearest Marker Post (m)

• Patrol Frequency (days)

• Marker Tape

• Protective Slab or Encasement

• Fenced Off

• Crash Barrier

• Land Ownership

• How long ago was the last contact with the landowner / land occupier (years)?

• One Call Service / DBYD Used

• Did the event result from a new land development?

• Protective Slab or Encasement

Concrete slab

Polymer slab

Concrete escapement

Other

Unknown

None

• Land Ownership

Crown / Public Open Space

Government (restricted access)

Freehold (Private)

Road reserve (crossing)

Road reserve (parallel)

Other

• Fenced Off

• Crash Barrier

Yes

No

Yes

No

<ul style="list-style-type: none"> <li>Land Ownership</li> </ul>	<ul style="list-style-type: none"> <li>Land Ownership</li> </ul>	<ul style="list-style-type: none"> <li>Land Ownership</li> </ul>
Road reserve (crossing)	Road reserve (parallel)	Position in road
<ul style="list-style-type: none"> <li>Position in road</li> </ul>	<ul style="list-style-type: none"> <li>Position in road</li> </ul>	Under road surface
		Elsewhere in road reserve
		Other
		Land Ownership Other

- How long ago was the last contact with the landowner / land occupier (years)?

0-1

1-2

2-3

3-4

4-5

>5

- One Call Service / DBYD Used

Yes

- Did the pipeline operator respond to the one-call / DBYD enquiry?

- Was there on-site inspection by the pipeline operator in response to the one-call / DBYD enquiry?

- One Call Service / DBYD Used

Yes

No

- Did the pipeline operator respond to the one-call / DBYD enquiry?

Yes

No

- Was there on-site inspection by the pipeline operator in response to the one-call / DBYD enquiry?

Yes

No

- Did the event result from a new land development?

Yes

- Was the development referred to the pipeline operator by the planning authority?

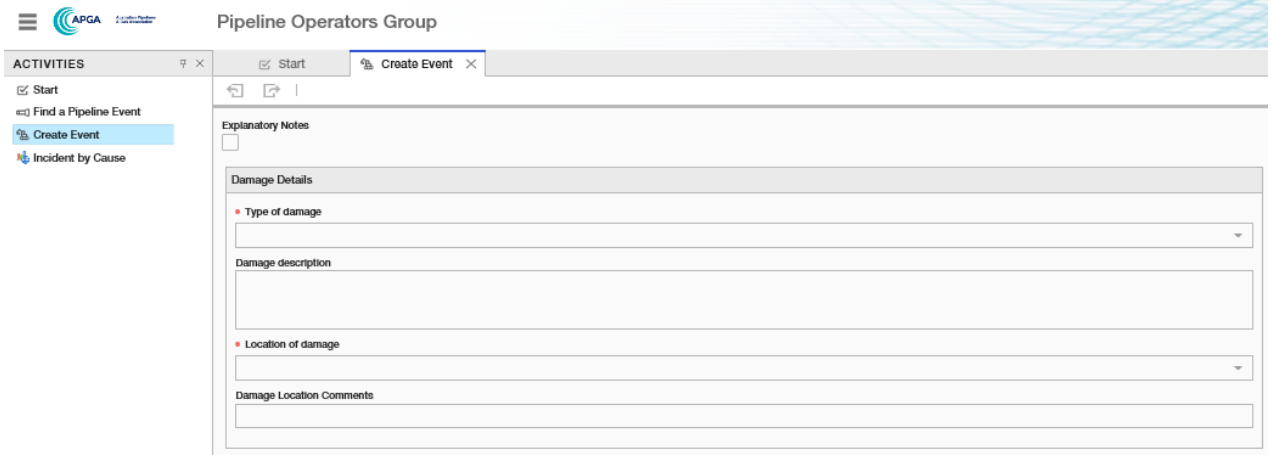
Yes

No

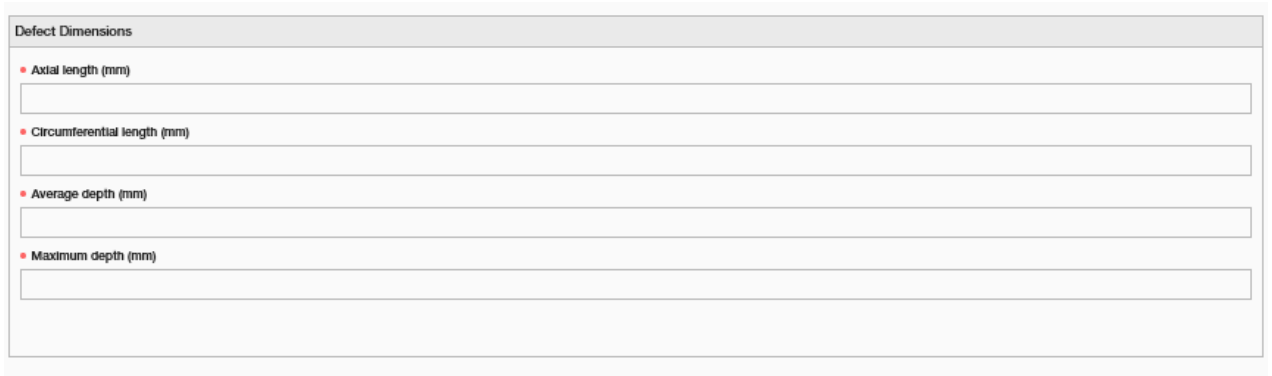
- Did the event result from a new land development?

Yes

No



Drop down lists revealing additional fields:





Defect Position	
• Circumferential Position (Start)	<input type="text"/>
• Circumferential Position (End)	<input type="text"/>
• Distance from seam weld known?	<input type="text"/>
• Distance from girth weld known?	<input type="text"/>

Drop down lists for this page:

• Circumferential Position (Start)	• Circumferential Position (End)
12:00	12:00
12:30	12:30
01:00	01:00
01:30	01:30
02:00	02:00
02:30	02:30
03:00	03:00

Drop down lists revealing additional fields:

• Distance from seam weld known?	• Distance from seam weld known?
Known	Known
Unknown	Distance from seam weld (mm)
N/A	<input type="text"/>
• Distance from girth weld known?	• Distance from girth weld known?
Known	Known
Unknown	Distance from girth weld (mm)
	<input type="text"/>

Critical Defect Length for rupture	
• Critical defect length for rupture known?	<input type="text"/>
• Critical defect length for rupture known?	• Critical defect length for rupture known?
Known	Known
Unknown	• Critical defect length (mm)
	<input type="text"/>

ACTIVITIES Start Create Event

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

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
- Other
- 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

Period of failure to supply (hours)

Was there a period of reduced supply?

Yes

Period of reduced supply (hours)

No

No

No

Loss of Containment	
<ul style="list-style-type: none"> <li>Was there a loss of containment?</li> </ul>	
<input type="text"/>	

<ul style="list-style-type: none"> <li>Was there a loss of containment?</li> </ul>		<ul style="list-style-type: none"> <li>Was there a loss of containment?</li> </ul>	
Yes	Yes	Type of Containment Loss	Gas
No		Type of Containment Loss	Liquid

Type of Containment Loss		<ul style="list-style-type: none"> <li>Volume of gas lost known?</li> </ul>	
Gas		Known	
<ul style="list-style-type: none"> <li>Volume of gas lost known?</li> </ul>	Known	<ul style="list-style-type: none"> <li>Volume of gas lost ('000 Sm3)</li> </ul>	
	Unknown		

Type of Containment Loss		<ul style="list-style-type: none"> <li>Volume of liquid spilled known?</li> </ul>		<ul style="list-style-type: none"> <li>Volume of liquid spilled known?</li> </ul>	
Liquid		Known		<ul style="list-style-type: none"> <li>Volume of liquid recovered known?</li> </ul>	
<ul style="list-style-type: none"> <li>Volume of liquid spilled known?</li> </ul>	Known	<ul style="list-style-type: none"> <li>Volume of liquid spilled (L)</li> </ul>	Known	<ul style="list-style-type: none"> <li>Volume of liquid recovered known?</li> </ul>	Known
<ul style="list-style-type: none"> <li>Volume of liquid recovered known?</li> </ul>	Unknown		Unknown		
<ul style="list-style-type: none"> <li>Volume of liquid recovered known?</li> </ul>		Known			
<ul style="list-style-type: none"> <li>Volume of liquid recovered (L)</li> </ul>					

Environmental Damage	
<ul style="list-style-type: none"> <li>Was there Environmental Damage?</li> </ul>	
<input type="text"/>	

<ul style="list-style-type: none"> <li>Was there Environmental Damage?</li> </ul>		<ul style="list-style-type: none"> <li>Was there Environmental Damage?</li> </ul>	
Yes	Yes	Environmental Damage	
No			