In-line inspection pipeline questionnaire

For latest version of this Questionnaire refer to the POF Website ([www.pipelineoperators.org](http://www.pipelineoperators.org)).   
This questionnaire has been developed from the one provided in NACE RP0102.

Note: Although quite extensive, the contents included in this document are provided only as examples. They are not intended for adoption without review and customizing for all circumstances. Operators or other users choosing to adopt a similar form should base it on their own organization, structure responsibilities and permitting procedures.

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| **Client (Operator) information** | |
| Company Name | |
| Completed by | |
| Name | Fax |
| Office phone | Date |
| Email | |
| Checked by | |
| Name | Fax |
| Office phone | Date |

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| **Site information** | |
| Pipeline name | |
| Location (Onshore / Offshore) | |
| Line length (km) | Line OD (mm) |
| Launch site | Launch station # |
| Launch phone | Receive phone |
| Receive site | Receive station # |
| Base location | Base station # |
| Base shipping address | |
| Base contact | Base phone |
| Type of inspection required: Metal Loss axial MFL / Transverse MFL /Metal loss UT / Crack Detection / Deformation / Mapping / Leak detection / Other | |
| Level of Inspection Required (Metal Loss & Deformation only): Standard / High | |
| Locator required? | |
| Pipeline alignment maps available? | |

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| **Inspection objectives** |
| Reason for inspection: |
| Critical feature type and size: |
| Critical sections to be inspected: |

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| **Product details** | |
| Product type: | H2O content: |
| Wax content and wax appearance temperature: | |
| CO2 content: | Hazardous materials (e.g. Hg, LSA, black powder)? |
| H2S content: | Protective equipment required? |
| Type of flow: Laminar / Turbulent / Two-Phase (Transitional) | |
| Flow property: Liquid / Gas / Two-Phase / Multiphase | |
| Will the line be isolated? | Constant velocity? |
| Flow rate controllable? | Range of flow rate control: |

**1. Has this line segment been tested for Naturally Occurring Radioactive Material (NORM)?**

**YES \_\_\_\_\_\_ No \_\_\_\_\_\_ Unknown \_\_\_\_\_\_**

**Comments \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. Have NORM been detected at or above actionable levels in this line segment?**

**Yes \_\_\_\_\_\_ No \_\_\_\_\_\_ Unknown \_\_\_\_\_\_**

**Comments \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Line conditions** | **Min.** | **Normal** | **Max.** |
| Launch pressure (bar) |  |  |  |
| Launch velocity (m/s) |  |  |  |
| Launch flow rate (m3/d) |  |  |  |
| Launch temperature (°C) |  |  |  |
| Receive pressure (bar) |  |  |  |
| Receive velocity (m/s) |  |  |  |
| Receive flow rate (m3/d) |  |  |  |
| Receive temperature (°C) |  |  |  |

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| **Line conditions** (during planned inspection) | Min. | Normal | Max. |
| Launch pressure (bar) |  |  |  |
| Launch velocity (m/s) |  |  |  |
| Launch flow rate (m3/d) |  |  |  |
| Launch temperature (°C) |  |  |  |
| Receive pressure (bar) |  |  |  |
| Receive velocity (m/s) |  |  |  |
| Receive flow rate (m3/d) |  |  |  |
| Receive temperature (°C) |  |  |  |

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| **Pipe details** | | |
| Last inspection year: | MAOP: | MOP: |
| Design pressure: | Type of cleaning pig, type and amount of debris found | |
| Cleaning program? | Cleaning pig frequency: | |
| Known/suspected damage: | | |
| Relevant historical data:  e.g. lubricant loss from compressor stations: Sand filter failures: Change in well operations or well work overs | | |

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| **Pipeline conditions** | |
| Year of construction | Sphere-tees installed? |
| Pipe cover depth Max Min | Type of pipe cover? |
| Are there high-voltage lines in the vicinity of the pipeline? Where? | |
| Insulating flanges in the pipe? Where? | |
| R.O.W. access (road, air, etc.) | |
| Does pipe have hot taps? | |
| Relevant historical data | |

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| **Pipe features -** Does the pipeline contain the following features? | Yes | No |  | Yes | No |
| Thread and collar couplings |  |  | Hydrocouples |  |  |
| Bell and spigot couplings |  |  | Stopple tees |  |  |
| Stepped hydrocouples |  |  | Wye fittings |  |  |
| Non-transitioned wall thickness changes |  |  | Mitre bends |  |  |
| Chill rings |  |  | Acetylene welds |  |  |
| Corrosion sampling points |  |  | Vortex breakers |  |  |
| Internal probes |  |  |  |  |  |

**Attach pipeline details from geometry runs or previous ILI runs where available**



Schematic drawing of pig trap

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| **Trap details** | | **Launcher**  Dimensions (mm) | **Receiver**  Dimensions (mm) |
| A | Closure to reducer |  |  |
| B | Closure to trap valve |  |  |
| C | Closure to bridle CL |  |  |
| d | Pipeline diameter |  |  |
| d’ | Pipeline internal diameter |  |  |
| D | Overbore |  |  |
| D’ | Overbore internal diameter |  |  |
| E | Axial clearance |  |  |
| F | Reducer length |  |  |
| F’ | Reducer wall thickness |  |  |
| G | Reducer to valve |  |  |
| H | Bridle |  |  |

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| **Trap conditions** | **Launcher** | **Receiver** |
| Orientation |  |  |
| Type/internal diameter of trap valve (mm) |  |  |
| Centreline height of trap (above ground) (m) |  |  |

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| --- | --- | --- | --- |
| **Trap information** | | | |
| Is hoist available? | | Yes No  Capacity:  Lift Height: | Yes No  Capacity:  Lift Height: |
| Is trap equipped with: | |  |  |
|  | Pig Signaller? |  |  |
|  | Sphere Tee? |  |  |
|  | Internal fittings? |  |  |
|  | Lugs for connection of cross bonding cables? | Yes / No \* | Yes / No \* |
| Trap closure type | |  |  |
| Trap pressure rating | |  |  |
| Concentric or eccentric reducer? | |  |  |
| Workshop near trap? | |  |  |
| Access limitations? | |  |  |
| AC power at trap site? (voltage?) | |  |  |
| Intrinsic safe area, level? | |  |  |
| Site drawings available? | |  |  |

\* If No: how will cross bonding be achieved?

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| **Pipe information** (add rows if required) | | | | | |
| Nominal wall thickness of pipe (mm) | Length of each wall thickness (m) | Pipe weld  type | Pipe grade | Mill | OD (mm) |
|  |  |  |  |  |  |
| Total Length = |  |  |  |  |  |

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| **Repair history** (add rows if required) | | | | | |
| Nominal wall thickness and grade of pipe | Length of each wall thickness | Start chainage (km) | End chainage (km) | Comments | Date of repair |
|  |  |  |  |  |  |
| Total Length = |  |  |  |  |  |

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| **Bends** (add rows if required) | | | | | |
| Type | Chainage of bend (km) | Angle (degrees) | Bending radius (m) | Minimum bore | Comments |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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| Other information:  e.g. additional information for short radius back to back bends and orientation of bends in close proximity: Attach drawings where appropriate. | | | | | |

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| **Tees/Offtakes/Branches** (add rows if required) | | | | | | |
| Type (Forges, Stopple, etc.) | Chainage (km) | O’clock Position | Max. offtake diameter (mm) | Pig  Bars? | Can side flows be controlled? | Comments |
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| **Valves** (add rows if required) | | | | |
| Type | Chainage of valve (km) | Manufacturer | Model | Minimum bore (mm) |
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| **Diameter changes** (add rows if required) | | | | | |
| Type of  reducer | Chainage of diameter change (km) | Upstream diameter  (mm) | Downstream diameter  (mm) | Diameter transition length (mm) | Comments |
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| **Coatings** (If concrete-coated, is there any magnetic content?) |  |
| Internal |  |
| External |  |

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| **Above ground references -** Can any of the following be located from above ground for references? | | | |
| Line valves |  | Large bends |  |
| CP connections |  | Off-tees |  |
| Major WT changes |  | Sleeves |  |
| Anodes |  | Casings |  |
| Girth welds |  | Insulation flanges |  |

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| **Known metal loss information** | |
| Internal |  |
| External |  |
| Mechanical damage |  |
| Other |  |

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| **Special attention**: |  |

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| **Comments:** |

**Completed by**

Name Signature Date

**Checked by**

Name Signature Date

**Updated by**

Name Signature Date