Piping » Piping Master

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Module** | **Menu** | **Tab/**  **QuickLink** | **Tab Title** | **Section Title** | **Section** | **DB Table** |
| 1 | Piping | Pipe Master | Tab#1 | Basic | Basic Data | Top Left | Pipe\_Master |
| 2 | Piping | Pipe Master | Tab#1 | Basic | Inspection Priority Matrix | Top Right | Pipe\_Master, POF Master Table |
| 3 | Piping | Pipe Master | Tab#1 | Basic | Inspection Strategies | Bottom Left | Inspection Strategy -Unit |
| 4 | Piping | Pipe Master | Tab#1 | Basic | Inspection History | Bottom Right | Piping Reports |
| 5 | Piping | Pipe Master | Tab#2 | Design | Design Data | Top Left | Pipe\_Master |
| 6 | Piping | Pipe Master | Tab#2 | Design | Document View | Top Right | Document\_Master |
| 7 | Piping | Pipe Master | Tab#2 | Design | Document List | Bottom Right | Document\_Master |
| 8 | Piping | Pipe Master | Tab#3 | Internal Corrosion | IC Data | Top Left | POF\_IC |
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| 10 | Piping | Pipe Master | Tab#3 | Internal Corrosion | TML Trends | Bottom Left | TML History |
| 11 | Piping | Pipe Master | Tab#3 | Internal Corrosion | TML Locations List | Bottom Right | TML Summary |
| 12 | Piping | Pipe Master | Tab#4 | External Corrosion | EC Data | Top Left | POF\_EC |
| 13 | Piping | Pipe Master | Tab#4 | External Corrosion | TML Locations - Drawing | Top Right | Document\_Master |
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| 16 | Piping | Pipe Master | Tab#5 | Environment Cracking | SCC DMs List | Top | POF\_SCC |
| 17 | Piping | Pipe Master | Tab#5 | Environment Cracking | CML Locations - Drawing | Bottom Left | Document\_Master |
| 18 | Piping | Pipe Master | Tab#5 | Environment Cracking | Inspection confidence levels | Bottom Right | Piping reports |
| 19 | Piping | Pipe Master | Tab#6 | COF | COF Data | Center | Pipe\_Cluster |
| 20 | Piping | Pipe Master | Tab#7 | Trendabel DMs | Other TDMs List | Top | POF\_OTDM |
| 21 | Piping | Pipe Master | Tab#7 | rendabel DMs | CML Locations - Drawing | Bottom Left | Document\_Master |
| 22 | Piping | Pipe Master | Tab#7 | rendabel DMs | Inspection confidence levels | Bottom Right | Piping reports |
|  | Piping | Pipe Master | Tab#8 | Non Trendabel DMs | Other TDMs List | Top | POF\_ONTDM |
|  | Piping | Pipe Master | Tab#8 | Non Trendabel DMs | CML Locations - Drawing | Bottom Left | Document\_Master |
|  | Piping | Pipe Master | Tab#8 | Non Trendabel DMs | Inspection confidence levels | Bottom Right | Piping reports |
| 23 | Piping | Pipe Master | Link#1 | Piping Reports | Report List | Top | Pipe\_Report |
| 24 | Piping | Pipe Master | Link#2 | COF Master Records | Report List | Top | COF\_Master |
| 25 | Piping | Pipe Master | Link#3 | POF Master Records | Report List | Top | POF\_Master |
| 26 | Piping | Pipe Master | Link#4 | TML | Report List | Top | TML\_History |

1.Piping » Piping Master» Basic » Top Left (*Basic Data)*

Design

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* This table shows the basic data about the line like line no, plant, fluid etc.
* It also shows the next inspection data, next followup date and overall status of the line taken from Piping report

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | PipeMaster | UnitNo |  |
| Description | PipeMaster | Description |  |
| From To | PipeMaster | FromTo |  |
| P&ID No | PipeMaster | PandIDNo |  |
| Plant | PipeMaster | PlantCode |  |
| Area | PipeMaster | AreaCode |  |
| Loop No | PipeMaster | CorrosionLoopNo |  |
| Cluster No | PipeMaster | PipeClusterNo |  |
| Year Service | PipeMaster | YearInService |  |
| Fluid | PipeMaster | Fluid |  |
| Material Code | PipeMaster | MaterialCode |  |
| Train | PipeMaster | Train |  |
| Status | PipeMaster | OverallStatus |  |
| Next Inspection | PipeMaster | NextInspectionDate |  |
| Next Follow up | PipeMaster | NextFollowDate |  |

2.Piping » Piping Master» Basic » Top Right (*Inspection Priority Matrix*)

Design

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| C:\Users\L108066\Desktop\risk.JPG |

* This screen shows the criticality of each damage mechanism plotting line COF and POF of each DM.
* This also shows the date on which the analysis done.
* By clicking on the respective priority, a pop screen opens and shows the detail of the damage mechanism and its priority, inspection program etc.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Piping Master | UnitNo |  |
| Analysis Date | Piping Master | ModifiedDate | By default last risk updated date, user can select future date |
| Driving Risk |  |  |  |
| Criticality Rating | Piping Master | OverallRisk |  |
| DM Code |  |  |  |
| POF | Piping Master | Overall POF |  |
| COF | Piping Master | Overall COF |  |
| Priority |  |  | Based on the matrix above from POF and COF |
| Inspection Program |  |  |  |

3. Piping » Piping Master» Basic » Bottom Left (Inspection Program)

Design

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* This screen shows the proposed inspection program for each damage mechanism along with priority and frequency.

Page - Table Fields Mapping:

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| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Insp startergy-Unitno | UnitNo |  |
| DM Code | Insp startergy-Unitno | DMCOde |  |
| Description | Insp startergy-Unitno | DM Description |  |
| Priority | Insp startergy-Unitno | Priority |  |
| Next Insp Year | Insp startergy-Unitno | Next Insp Year |  |
| Recommended Program | Insp startergy-Unitno | Inspstratergy |  |

4. Piping » Piping Master» Basic » Bottom Right (*Inspections*)

Design

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| C:\Users\L108066\Desktop\28th\Capture1.JPG |

* These are the bars showing existing reports for this line (year wise)
* They will be showing the colors based on the status of that report (Good, requires action, action completed etc.)
* When clicking on this chart, the relevant report will open.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Piping Reports |  |  |
| ReportNo | Piping Reports |  |  |
| Status | Piping Reports |  |  |
| Year | Piping Reports |  |  |
| Report Count | Piping Reports |  |  |
| Defect Code | Piping Reports |  |  |
| Resulted Into | Piping Reports |  |  |

5. Piping » Piping Master»Design»Left (*Design Data)*

Design

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* In this table all relevant design data is shown, this is a one time entry into system by excel transfer.
* Editing is possible by Integrity engineer.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | PipeMaster | UnitNo |  |
| Design Temp | PipeMaster | DesignTemperature |  |
| Design Pressure | PipeMaster | DesignPressure |  |
| Operating Temp | PipeMaster | OperatingTemperature |  |
| Operating Pressure | PipeMaster | OperatingPressure |  |
| Pipe Spec | PipeMaster | PipeSpecification |  |
| Joint Efficiency | PipeMaster | JointEfficiency |  |
| Construction Code | PipeMaster | ConstructionCode |  |
| Material Std | PipeMaster | MaterialStd |  |
| Material Grade | PipeMaster | MaterialGrade |  |
| Material Code | PipeMaster | MaterialCode |  |
| PWHT | PipeMaster | PWHT |  |
| Corrosion allowance | PipeMaster | CorrosionAllowance |  |
| Insulated | PipeMaster | Insulated |  |
| Insulation Type | PipeMaster | InsulationType |  |
| Nominal Thick | PipeMaster | NominalThick |  |
| Nominal Diameter | PipeMaster | NominalDiameter |  |
| Length | PipeMaster | Length |  |
| MDMT | PipeMaster | MDMT |  |

6. Piping » Piping Master» Design » Top Right (*Document/Drawing View)*

Design

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* In this window we should be able to view documents that are attached to this line may be in another table called “attachments”
* List of all the documents/drawings are shown in the below tab, when we select from that list the corresponding attachment should be visible in this window.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

7.Piping » Piping Master» Design » Bottom Right (*Document List)*

Design

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* In this table all relevant attachments to line are shown. These documents may be pdf, photographs, word documents, AutoCAD drawings etc.
* Should be able to add the documents from here by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

8.Piping » Piping Master» Internal Corrosion » Top Left (*IC Data)*

Design

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* In this table all relevant data is shown, all this data is populated from different tables like Materials table, TML table, POF-IC table, Inspection confidence table.
* Editing is possible by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | POF\_IC | UnitNo |  |
| Injection points/Intermitent | POF\_IC | InjectionPoints |  |
| Allowable Stress | POF\_IC | AllowableStress |  |
| Yield Strength | POF\_IC | Yield trength |  |
| Tensile Strength | POF\_IC | TensileStrength |  |
| Efficiency | POF\_IC | Efficiency |  |
| Pr Min Req Thk | POF\_IC | PrMinReqThk |  |
| Struc Min Thk | POF\_IC | StrucMinThk |  |
| Theoritical corrosion rate | POF\_IC | TheoriticalCR |  |
| Measured long term CR | POF\_IC | MeasuredLCR |  |
| Measured Short term CR | POF\_IC | MeasuredSCR |  |
| Last measured Thk | POF\_IC | LastMeasuredThk |  |
| Last measured Year | POF\_IC | LastMeasuredYear |  |
| Effective CR | POF\_IC | EffectiveCR |  |
| Inspection confidence | POF\_IC | InspectionConfidence |  |
| Very High | POF\_IC | VeryHigh |  |
| High | POF\_IC | High |  |
| Med | POF\_IC | Med |  |
| Low | POF\_IC | Low |  |
| Damage Factor | POF\_IC | DamageFactor |  |
| POF | POF\_IC | POF |  |

9.Piping » Piping Master» Internal Corrosion » Top Right (*TML Locations)*

Design

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* In this window user should be able to attach marked document in pdf format.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

10.Piping » Piping Master» Internal Corrosion » Bottom Left (*TML Trends)*

Design

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* In this window a graph showing the trend of thickness loss % from TML history table for this line.

It does not show the absolute value but it shows the trend % thickness loss compared to nominal thk.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| DM Code | TML\_History | CorrosionType | IC |
| CML No | TML\_History | TMLNo |  |
| YEAR | TML\_History | TMLYear |  |
| Nom Thk | TML\_History | NominalThk |  |
| Measured Thk | TML\_History | MeasuredThick |  |
| % Dev |  |  | (NomThk-Measuredthk)\*100/NomThk |

11.Piping » Piping Master» Internal Corrosion » Bottom Right (*TML Locations)*

Design

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* This table is from TML history table.
* It shows the thickness calculation for each of the TML location.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | TML\_Summary | UnitNo |  |
| TML No | TML\_Summary | TMLNo |  |
| Nom Thk | TML\_Summary | NominalThick |  |
| Dia | TML\_Summary | Diameter |  |
| Min req thk | TML\_Summary | Min req thk |  |
| Last Measured Thk | TML\_Summary | MeasuredThick |  |
| Long Term CR | TML\_Summary | Long Term CR |  |
| Short Term CR | TML\_Summary | Short Term CR |  |
| Half Life | TML\_Summary | Remaining Life/2 |  |
| Next Insp year | TML\_Summary | Next Insp year |  |
| Last Insp year | TML\_Summary | Last Measured Year |  |
| DM Code | TML\_Summary | UnitNo | IC |

12.Piping » Piping Master» External Corrosion » Top Left (*EC Data)*

Design

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* In this table all relevant data is shown, all this data is populated from different tables like Management table, TML table, POF-EC table, Inspection confidence table.
* Editing is possible by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | POF\_EC | UnitNo |  |
| Soil Interface/Condensation | POF\_EC | SoilInterfaceCondensation |  |
| Pipe direct on beam/ complex design | POF\_EC | PipeDirectOnBeamComplexDesign |  |
| Coating Quality- CQ(H/M/L) | POF\_EC | CoatingQuality |  |
| EC driver (climate) M/T/D/S | POF\_EC | EC\_Driver |  |
| Coating age (COATAGE) | POF\_EC | CoatingAge |  |
| Coat Adjustment | POF\_EC | CoatAdjustment |  |
| Repainted Year | POF\_EC | RepaintedYear |  |
| Theoretical Ex corrosion rate | POF\_EC | TheoriticalCR |  |
| Measured long term CR | POF\_EC | MeasuredLCR |  |
| Measured Short term CR | POF\_EC | MeasuredSCR |  |
| Last measured Thk | POF\_EC | LastMeasuredThk |  |
| Last measured Year | POF\_EC | LastMeasuredYear |  |
| Effective CR | POF\_EC | EffectiveCR |  |
| Inspection confidence | POF\_EC | InspectionConfidence |  |
| Very High | POF\_EC | VeryHigh |  |
| High | POF\_EC | High |  |
| Med | POF\_EC | Med |  |
| Low | POF\_EC | Low |  |
| Damage Factor | POF\_EC | DamageFactor |  |
| POF | POF\_EC | POF |  |

13.Piping » Piping Master» External Corrosion » Top Right (*TML Locations)*

Design

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* In this window user should be able to attach marked document in pdf format.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

14.Piping » Piping Master»External Corrosion » Bottom Left (*TML Trends)*

Design

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* In this window a graph showing the trend of thickness loss % from TML history table for this line.

It does not show the absolute value but it shows the trend % thickness loss compared to nominal thk.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| DM Code | TML\_History | CorrosionType | EC |
| CML No | TML\_History | TMLNo |  |
| YEAR | TML\_History | TMLYear |  |
| Nom Thk | TML\_History | NominalThk |  |
| Measured Thk | TML\_History | MeasuredThick |  |
| % Dev |  |  | (NomThk-Measuredthk)\*100/NomThk |

15.Piping » Piping Master» External Corrosion » Bottom Right (*TML Locations)*

Design

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* This table is from TML history table.
* It shows the thickness calculation for each of the TML location.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | TML\_Summary | UnitNo |  |
| TML No | TML\_Summary | TMLNo |  |
| Nom Thk | TML\_Summary | NominalThick |  |
| Dia | TML\_Summary | Diameter |  |
| Min req thk | TML\_Summary | Min req thk |  |
| Last Measured Thk | TML\_Summary | MeasuredThick |  |
| Long Term CR | TML\_Summary | Long Term CR |  |
| Short Term CR | TML\_Summary | Short Term CR |  |
| Half Life | TML\_Summary | Remaining Life/2 | Remaining life/2 |
| Next Insp year | TML\_Summary | Next Insp year |  |
| Last Insp year | TML\_Summary | Last Measured Year |  |
| DM Code | TML\_Summary | Corrosion Type | EC |

16.Piping » Piping Master» Environment Cracking »Top(*SCC Data)*

Design

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* In this table all relevant data is shown, all this data is populated from different tables like Piping Cluster table, POF-SCC table, Inspection confidence table.
* Editing is possible by Integrity engineer.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | POF\_SCC | UnitNo |  |
| DM Code | POF\_SCC | DMCode |  |
| DM Name | POF\_SCC | DMName |  |
| Initial Susceptibility | POF\_SCC | InitialSusceptibility |  |
| Severity Index | POF\_SCC | SeverityIndex |  |
| Found | POF\_SCC | Found |  |
| VH | POF\_SCC | VeryHigh |  |
| M | POF\_SCC | Medium |  |
| L | POF\_SCC | Low |  |
| Last Inspection Year VH | POF\_SCC | LastInspectionYear |  |
| Reduction Factor | POF\_SCC | ReductionFactor |  |
| Damage Factor | POF\_SCC | DamageFactor |  |
| POF | POF\_SCC | POF |  |

17.Piping » Piping Master» Environment Cracking » Bottom Left (*TML Locations Drawing)*

Design

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* In this window user should be able to attach marked document in pdf format.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

18.Piping » Piping Master» Environment Cracking » Bottom Right (*TML Trends)*

Design

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| C:\Users\L108066\Desktop\28th\Capture1.JPG |

* In this window a graph showing the trend of Inspection confidence level from Inspection Confidence history table for this line.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Piping Reports |  |  |
| ReportNo | Piping Reports |  |  |
| Insp Confidence | Piping Reports |  |  |
| Year | Piping Reports |  |  |
| Report Count | Piping Reports |  |  |

19.Piping » Piping Master» COF » Top (*COF Data)*

Design

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* In this table all relevant attachments to line are shown. These documents may be pdf, photographs, word documents, AutoCAD drawings etc.
* Should be able to add the documents from here by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | PipeCluster | UnitNo |  |
| Applicable Fluid as per Table 4.1 | PipeCluster | ApplicableFluid |  |
| Normal Boiling Point 0C | PipeCluster | NormalBoilingPoint |  |
| Molecular Weight | PipeCluster | MolecularWeight |  |
| Fluid Phase stored | PipeCluster | FluidPhaseStored |  |
| Fluid | PipeCluster | Fluid |  |
| OperatingTemperature Ts K | PipeCluster | OperatingTemperature |  |
| OperatingPressure Ps KPa | PipeCluster | OperatingPressure |  |
| Component Type | PipeCluster | ComponentType |  |
| Mass of Inventory FluidMinv | PipeCluster | MassOfInventoryFluid |  |
| Detection System Rating | PipeCluster | DetectionSystemRating |  |
| Fluid Phase at released condition | PipeCluster | FluidPhaseAtReleasedCondition |  |
| Length of Component, l mm | PipeCluster | LengthOfComponent |  |
| Mass of Fluid incomponent Mcomp | PipeCluster | MassOfFluidInComponent |  |
| Inner diameter of Component, d mm | PipeCluster | InnerDiameterOfComponent |  |

20.Piping » Piping Master» Trendable DM »Top(*OTDM Data)*

Design

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* In this table all relevant data is shown, all this data is populated from different tables like Piping Cluster table, Inspection confidence table.
* Adding new DMS and Editing is possible by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | POF\_OTDM | UnitNo |  |
| DM Code | POF\_OTDM | DMCode |  |
| DM Name | POF\_OTDM | DMName |  |
| Initial Susceptibility | POF\_OTDM | InitialSusceptibility |  |
| Severity Index | POF\_OTDM | SeverityIndex |  |
| Found | POF\_OTDM | Found |  |
| VH | POF\_OTDM | VeryHigh |  |
| M | POF\_OTDM | Medium |  |
| L | POF\_OTDM | Low |  |
| Last Inspection Year VH | POF\_OTDM | LastInspectionYear |  |
| Reduction Factor | POF\_OTDM | ReductionFactor |  |
| Damage Factor | POF\_OTDM | DamageFactor |  |
| POF | POF\_OTDM | POF |  |

21.Piping » Piping Master» Trendable DM » Bottom Left (*TML Locations Drawing)*

Design

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* In this window user should be able to attach marked document in pdf format.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

22.Piping » Piping Master» Trendable DM » Bottom Right (*TML Trends)*

Design

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| C:\Users\L108066\Desktop\28th\Capture1.JPG |

* In this window a graph showing the trend of Inspection confidence level from Inspection Confidence history table for this line.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Piping Reports |  |  |
| ReportNo | Piping Reports |  |  |
| Insp Confidence | Piping Reports |  |  |
| Year | Piping Reports |  |  |
| Report Count | Piping Reports |  |  |

22.Piping » Piping Master» Non Trendable DM »Top(*ONTDM Data)*

Design

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* In this table all relevant data is shown, all this data is populated from different tables like Piping Cluster table, Inspection confidence table.
* Adding new DMS and Editing is possible by Integrity engineer.

Page Table Field Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | POF\_ONTDM | UnitNo |  |
| DM Code | POF\_ONTDM | DMCode |  |
| DM Name | POF\_ONTDM | DMName |  |
| Initial Susceptibility | POF\_ONTDM | InitialSusceptibility |  |
| Severity Index | POF\_ONTDM | SeverityIndex |  |
| Found | POF\_ONTDM | Found |  |
| VH | POF\_ONTDM | VeryHigh |  |
| M | POF\_ONTDM | Medium |  |
| L | POF\_ONTDM | Low |  |
| Last Inspection Year VH | POF\_ONTDM | LastInspectionYear |  |
| Reduction Factor | POF\_ONTDM | ReductionFactor |  |
| Damage Factor | POF\_ONTDM | DamageFactor |  |
| POF | POF\_ONTDM | POF |  |

23.Piping » Piping Master» Non Trendable DM » Bottom Left (*TML Locations Drawing)*

Design

|  |
| --- |
|  |

* In this window user should be able to attach marked document in pdf format.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | DocumentMaster | ReferenceNo | UnitNo |
| Document Type | DocumentMaster | DocumentType | PipeMaster |
| Document No | DocumentMaster | DocumentNo |  |
| Description | DocumentMaster | Description |  |
| Format | DocumentMaster | Format |  |
| Tab No |  |  |  |

24.Piping » Piping Master» Non Trendable DM » Bottom Right (*TML Trends)*

Design

|  |
| --- |
| C:\Users\L108066\Desktop\28th\Capture1.JPG |

* In this window a graph showing the trend of Inspection confidence level from Inspection Confidence history table for this line.

Page - Table Fields Mapping:

|  |  |  |  |
| --- | --- | --- | --- |
| **Page Field** | **Table** | **Table Column** | **Remarks** |
| Line No | Piping Reports |  |  |
| ReportNo | Piping Reports |  |  |
| Insp Confidence | Piping Reports |  |  |
| Year | Piping Reports |  |  |
| Report Count | Piping Reports |  |  |