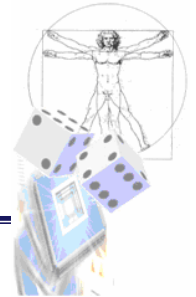


NDT – Overview



- Measurement input in row-format
- Corrosion rate calculation and remaining life prediction, based on:
 - Linear prediction
 - Linear prediction based on last 3 measurements
 - 2nd Order Polynomial extrapolation
- Corrosion rate graph



(NDT) Row-Format Data Input

Equipment Name	P-2014-2
Equipment Type	Piping > 16"
Process Unit Name	RNP
Description	Cevovod
Service Start	1979

Component Data	NDT	Measuring points	Latest values	Documents
----------------	-----	------------------	---------------	-----------

Insert new measuring points

Insert up to 'N' new number measuring points:

1

Add New MPs

Add New Measurement

Measuring Point	Measurement Date	1	2	3	4	5	6	7	8	9	10	Measurement/Repair	Edit	Delete
Nominal value		9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53			
Minimal value		6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7			
Minimal Accepted value		0	0	0	0	0	0	0	0	0	0			
Measurement Date	12/Oct/2006	9.5	9.2	9	8.8	8.9	8.5	9.8	9.5	8.3	7.7	Measurement		
Measurement Date	14/Apr/2010	8.6									7.7	Measurement		
Measurement Date	10/Jun/2014	8.6										Measurement		

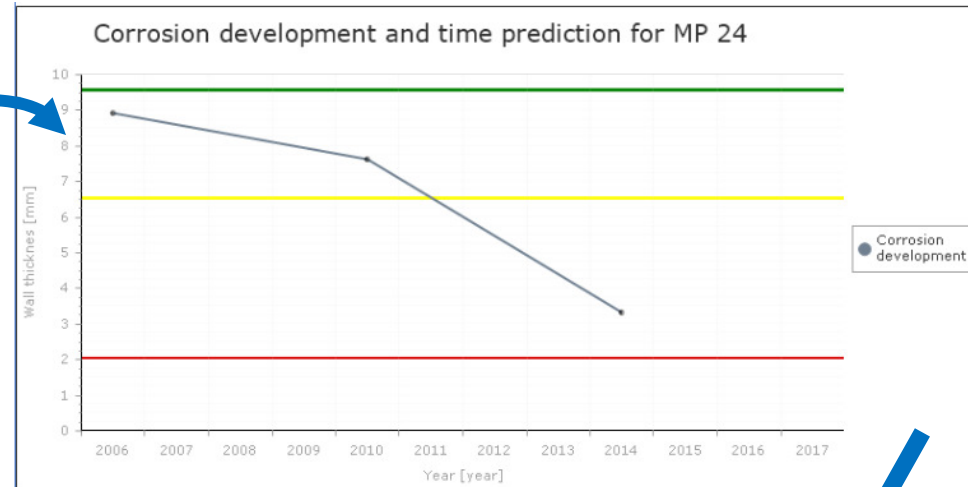
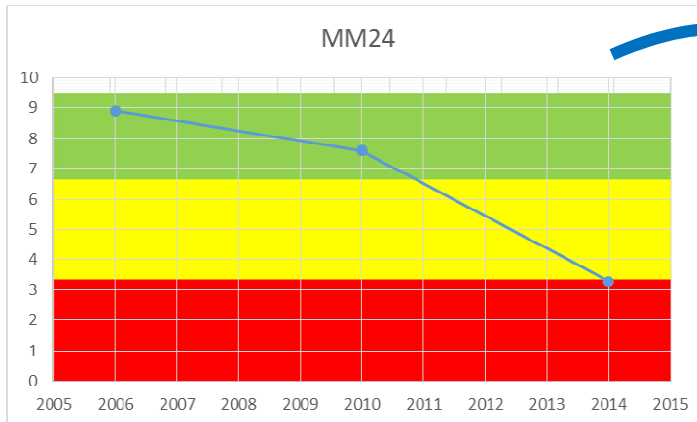
Add New Measurement

Measuring Point	Measurement Date	11	12	13	14	15	16	17	18	19	20	Measurement/Repair	Edit	Delete
Nominal value		9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.27	9.53			
Minimal value		6.7	6.7	6.7	6.7	6.7	6.5	6.7	6.7	6.5	6.7			
Minimal Accepted value		0	0	0	0	0	0	0	0	0	0			
Measurement Date	12/Oct/2006	7.4	8.3	8.8	8.4	9	9.1	13	8.5	9.6	8	Measurement		
Measurement Date	14/Apr/2010	7.4									6.6	Measurement		

(NDT) Corrosion Rate Graph and Calculation

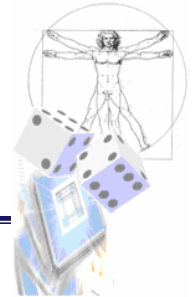


Component: P-2014-2



+ Add new record 💾 Save changes ❌ Cancel changes 🔄 Refresh										
Measurement Date	Measuring Point	21	22	23	24					
	Nominal value	9.27	9.53	9.27	9.53					
	Minimal value	6.5	6.7	6.5	6.5					
	Minimal Accepted value	2	2	2	2					
12/Oct/2006	Measurement	10.2	8.1	9.2	8.9					Measurement
14/Apr/2010	Measurement				7.6					Measurement
10/Jun/2014	Measurement				3.3					Measurement
Next plan thickness measurement										
Remark										
Corrosion Rate [mm/year]		1.075								
Life time [year]		2.6								

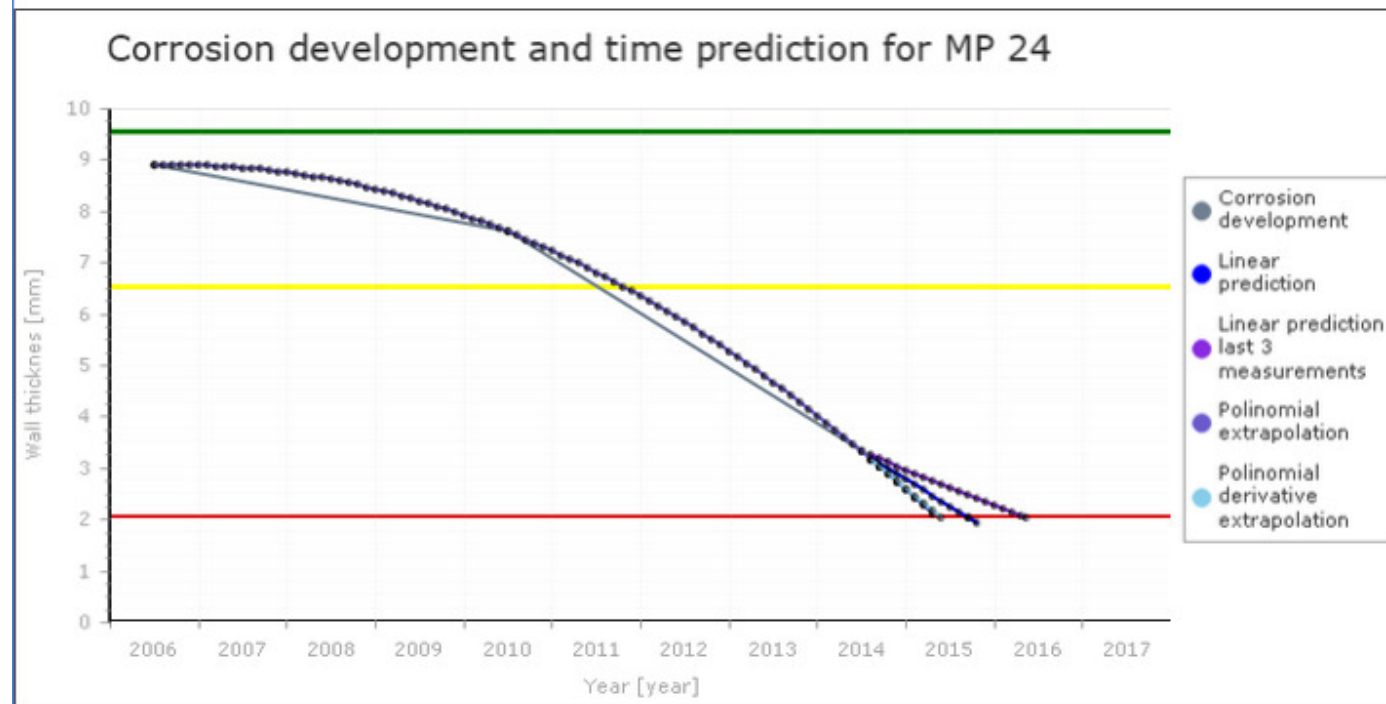
(NDT) Corrosion Rate Graph and Calculation



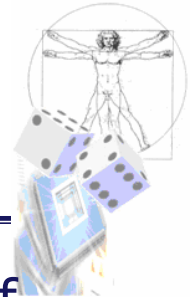
Component: P-2014-2 – Predictions

Predictions		
Name	Predicted calculation	Predicted year
Linear prediction	2015	2015
Linear prediction last 3 measurements	2016	2015
Polinomial extrapolation	2015	2014
Polinomial derivative extrapolation	2015	2014

☒ Linear prediction ☒ Linear prediction last 3 measurements ☒ Polinomial extrapolation ☒ Polinomial derivative extrapolation

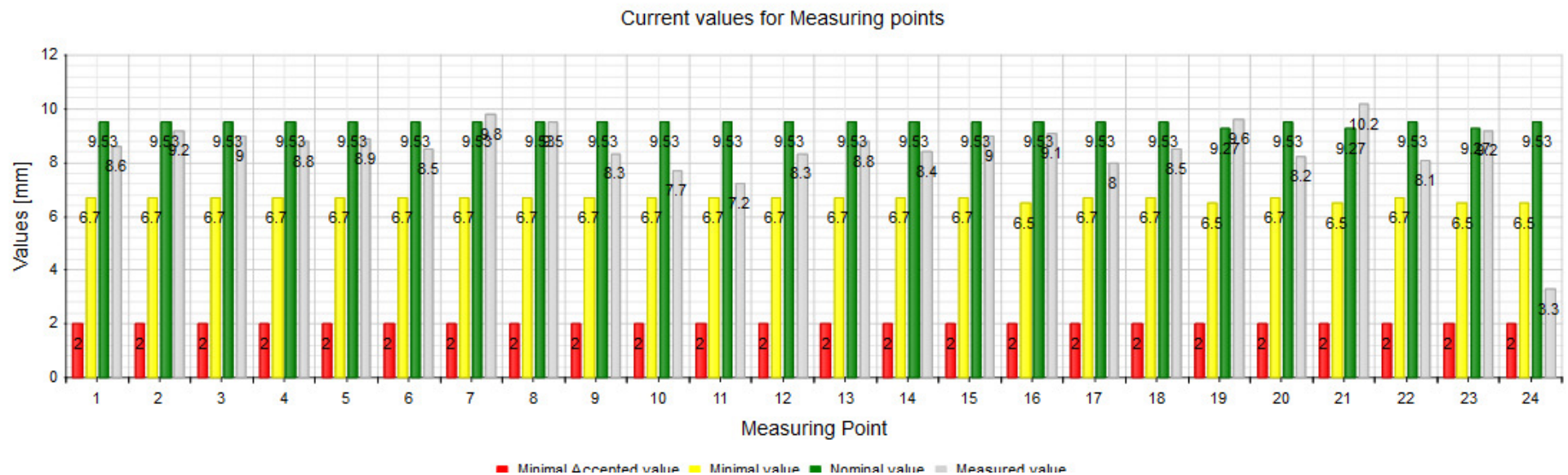


(NDT) Current Measuring Point Values



- One of the additional graphs is showing visualization of measured remaining wall thicknesses at the respective measurement points

NDT CURRENT MEASURING POINT VALUES



(NDT) Measurement point representation on drawings

