

SURFACE LOADING ASSESSMENTS: Enhancing Pipeline Safety and Preventing Damage

Dynamic Risk provides Surface Loading Assessments that aid operators in evaluating and mitigating a range of surface-based risks to their pipelines. These assessments offer insights uniquely tailored to each pipeline, facilitating efficient decision-making for operators and the application of impactful safety measures.

SERVICE OFFERINGS

- **Customizable Vehicle Assessments** – Gives operators the ability to customize dimensions and loads, tailoring the assessments to their specific requirements. Dynamic Risk has the capability of assessing both wheeled and tracked vehicle configurations.
- **Soil Type Considerations** – Accounts for appropriate soil type parameters based on installation and excavation history, as well as geohazards like flooding.
- **Comprehensive Evaluation** – Considers a wide variety of factors, including class location, radiograph coverage, and manufacturing considerations based on pipe vintage, pipe manufacturer, and seam type.
- **Advanced Wall Thickness Calculations** – Provides accurate insights into the condition of an operator's pipelines, enabling informed decision-making. These assessments use calculations based on in-line inspection corrosion data leading up to the date of crossing.
- **Minimal Operator Requirements** – Streamlines the assessment process, ensuring comprehensive insights with minimal burden on the operator. Dynamic Risk requires minimal information from operators, limited to crossing dates, locations, pipe attributes, ILI data, and a list of vehicles.

Numerous activities hold the potential to pose risks to pipelines. Construction, repairs, surveys, and maintenance tasks undertaken by pipeline operators and contractors necessitate diligent consideration of right-of-way (ROW) access. Furthermore, landowners and third parties frequently engage in soil disturbance or road maintenance. These situations often involve the use of heavy equipment and vehicles in close proximity to pipelines.

Safeguarding pipelines requires adequate Depth of Cover (DOC) and preventive measures. Through Dynamic Risk's Surface Loading Assessment service, operators can effectively identify secure conditions for vehicle crossings, thereby mitigating potential risks of damage.



BENEFITS

- Operators can determine acceptable crossing conditions by leveraging robust integrity data. Through Dynamic Risk's data analysis, precise insights into the viability of crossings are obtained, enabling operators to make well-informed decisions regarding pipeline safety.
- Operators can prevent costly repairs or disruptions by proactively addressing pipeline risks.
- Operators can streamline the evaluation of pipeline safety through concise assessments and well-defined outcomes. Dynamic Risk classifies each assessment as either a "Pass" or "Fail," utilizing field-verified DOC data for comparison, thereby simplifying the decision-making process.
- Operators can mitigate public risk by conducting surface loading assessment calculations before undertaking crossings.

ABOUT DYNAMIC RISK

Dynamic Risk is a leading global technology service provider helping ensure the safe and efficient delivery of energy resources. Since 1996, Dynamic Risk has revolutionized pipeline integrity management by combining in-depth engineering expertise and advanced software applications, now leveraging predictive analytics to uncover actionable insights for risk-informed decision-making. Dynamic Risk partners with operators across the Transmission, Midstream, Upstream, and Gas Utility industries to avoid pipeline failures through complete asset lifecycle risk management, and enables clients to achieve optimal business, safety, and environmental performance while meeting compliance objectives in pursuit of the goal of zero incidents.

Dynamic Risk is part of Previa, a fast-growing, innovative, and private industrial technology group focused on advanced diagnostic technologies to monitor the world's infrastructure health. The Group serves asset owners, large engineering firms, and service companies globally in markets such as Aerospace, Civil Infrastructure, Energy, Mining, Power Generation, and Rail. Via sensors, hardware, robotics, and software, Previa makes a safe and sustainable future possible, by pushing the limits of diagnostic technologies that preserve the integrity of our world's critical infrastructure and assets. More information can be found on the company's website: www.previa.com

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