Forces of Nature in Pipelines Integrity Management

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DURATION: 4 hours (approximately)

TIME SCHEDULE: 2 p.m. to 6 p.m.

ROOM: Atlantis

BACKGROUND:

The Accreditation Program of Pipeline Integrity Management (PIM) aims to ensure the correct implementation of the best practices included in the ARPEL Pipeline Integrity Management Manual. Said program aims at facilitating the detection of all different threats that may interfere with this type of infrastructure and implement relevant prevention and mitigation actions in order to minimize their effects, and thus the consequences to people, the environment, the economy, the reputation of the company and the infrastructure itself.

This program consists of theoretical and practical modules or courses that, upon approval, the student automatically receives the Regional Accreditation as Pipeline Integrity Management Evaluator: I) External corrosion; II) Internal corrosion; III) Forces of nature, operational errors and actions by third parties; and IV) Evaluation of mechanical integrity and risk assessment. Following is the third sub-module of Forces of Nature.

OBJECTIVE:

The course (sub-module III) about "Forces of nature" aims at **providing the knowledge and necessary skills to identify, diagnose, prevent, control and mitigate all potential problems generated by these type of threats.**

TARGET AUDIENCE:

Professionals involved in pipeline operations (of the oil, gas, biofuels and mining sector): inspection and maintenance; risk assessment and analysis; design, construction and projects; as well as their corresponding suppliers of goods and services.

DESCRIPTION:

This course provides knowledge and skills to identify, diagnose and apply prevention, control and mitigation systems, as well as technical and economically viable solutions, to any failure caused by external geodynamic process (landslides, erosions, channel scours and water stream banks, etc.) or internal (volcanism or seismicity).