

## 1: Asset Integrity Management Training Courses

*NACE Pipeline Corrosion Integrity Management Course Manual* If this is your first visit, be sure to check out the FAQ by clicking the link above. You may have to register before you can post: click the register link above to proceed.

Pressure Equipment and Storage Tank Integrity Management To ensure the integrity and reliability of their assets, operators need to have a program that identifies all potential failure mechanisms pertaining to their assets, the likelihood and consequence of these failures, and the methods of preventing or mitigating risk. The basic elements of a pressure equipment integrity program include: The primary goals of these elements are to provide a safe work environment, fewer unplanned outages, and reduced opex and capital costs. As a certified inspection company, Core Integrity provides integrity management for the entire pressure equipment discipline. These programs and services include: Chief Inspector Assignment Catalogue accurate inventories of equipment and processes in order to keep inventory up to date Determine and rank failure modes on equipment Prepare and continuously improve suitable mitigation and operating activities Pipeline Integrity Management To ensure the integrity of their pipelines, operators need to have a program that identifies all the integrity threats, their likelihood and consequence. Core Integrity provides pipeline integrity management programs which include the prevention or mitigation of these threats. Application of these disciplines are designed not to adversely impact a program, but will in fact minimize cost, schedule, technical and legal risks and improve the overall life cycle cost. Core Integrity is authorized to practice engineering in the provinces of Alberta, British Columbia, and Saskatchewan. Asset Integrity Services Include: Inspection Plan Implementation Core Integrity provides a complete integrity management program that includes mitigation, monitoring, inspection and repairs. This service also includes program design and ongoing support for implementation, quality control, compliance reporting as well as internal audits and reviews. Regulations and Reporting Working as a liaison between industry players and the regulators, Core Integrity assists clients in maintaining compliance of pipeline and pressure equipment activities as they relate to the jurisdictional Acts and Regulations. To ensure industry pipelines are correctly identified within public records, Core Integrity will routinely review licence information and recommend proper updating procedures, should any discrepancies be found. In the event that an amendment to a pipeline license is required, Core Integrity will gather and submit the required information for approval from the jurisdictional regulator. Core Integrity also initiates educational and training programs for staff to ensure our team is as up to date on new regulations, guidelines, and standards. Chemical Program Assessment and Design With an extensive background in chemical treatment programs, Core Integrity continues to offer its expertise in the area of oil and gas applications. As a multi-disciplined team, our chemical program assessment and design services are integrated with and complement related elements of the integrity management program. Liner Installation Design Review and Recommendation Liner technology has improved significantly over the past few years and provides a practical and economical solution for highly corrosive environments. Core Integrity provides liner material recommendations and review to support clients in meeting production pipeline service conditions and regulatory requirements. Failure Analysis RCFA and Investigations Core Integrity conducts failure analysis on oil and gas pipelines, pressure vessels, as well as facility equipment. Mechanical testing, chemical analysis and visual inspection are all used to determine the root cause of a failure. All results are used to provide recommendations for the prevention of future failures. These include procedures that are developed specifically for the operational constraints of a specific facility and in accordance with design codes, OEM requirements and applicable regulations. With this monitoring, all documentation would be readily available in a compliance audit should a regulatory audit be conducted. This service is not limited to the tasks conducted by the operations staff, however, they include: Inspection Data Management Core Integrity offers UT survey scope-of-work development and implementation, related corrosion monitoring data management, and interpretation of the results. Inspection Planning Our certified and experienced inspectors can plan your inspection needs based upon the combination of past history, present conditions, processes and threats. Non-Metallic Material Selection Non-metallic materials are widely used for corrosive conditions in gas plants,

water floods and production barriers. Core Integrity provides design solutions for effective application of non-metallics in these situations as well as providing inspection services and repair management for coated equipment. Repair Program Design Our team designs repair programs for pressure equipment and pipelines, in addition to having the resources and expertise to implement the repairs. All repair program preparations include obtaining jurisdictional approval. Project Management Core Integrity provides project management services to ensure the efficient execution of Integrity Management Programs as listed above. Business Efficiency Assessments The oil and gas production industry is continually changing. Often these changes involve organizational and business process changes as well. Proactive companies initiate business process assessments in order to find and adjust internal procedures, programs and practices. Core Integrity provides senior personnel to assess operating and maintenance business processes and provide an organizational summary that includes improvement recommendations. Cost Economic Modelling Often referred to as total cost models, these models provide a comprehensive cost summary for the maintenance and reliability components of a business, and reflect the complexities of the business. The key to this process is the technical interrelationship between different approaches to maintenance and reliability. Ultimately, the ability to describe the cost benefits in the context of total costs is paramount in delivering value to the operating organization. Corrosion Assessments Core Integrity provides corrosion assessments for both facility and pipeline assets. The likelihood of corrosion both internally and externally for pipelines is determined using operating conditions, operating history and previous inspection results. The likelihood of corrosion is then combined with the consequence of failure and operating logistics so that a comprehensive corrosion mitigation plan may be designed. Core Integrity also provides recommendations for measuring the success of the mitigation plan through monitoring, inspections and periodic reviews. Material Selection Materials for the construction of pressure containment equipment including plant facilities and pipelines require consideration of cost, service condition, constructability and maintenance. Core Integrity provides engineering support for the consideration of these factors, including optimal selection of materials for the design and operating conditions of all production equipment. Data Collection Core Integrity manages facility data for industry clients. We research all facilities, interview personnel, and accurately collect data from all available sources to ensure data is complete prior to entering it into the asset management system. From there, we actively manage information reviews and updates on a regular basis. We then incorporate a rigorous internal and client review process to ensure the information is current, while reporting is designed to meet the unique needs of each client. Visual Inspections We have a qualified team of individuals who have process experience within all facets of the pressure equipment industry.

## 2: Technical Services : Core Integrity Inc.

*Course - Pipeline Corrosion Integrity Management The Pipeline Corrosion Integrity Management (PCIM) course serves as the key training track for the PCIM professional who focuses on the implementation and management of an integrity program for a pipeline system.*

## 3: NACE PIPELINE CORROSION INTEGRITY MANAGEMENT | MELBOURNE – Corrosion Training Au

*(Pipeline Integrity Management System) Manual and Procedures and all Act as resource for corrosion mitigation, defect analysis, monitoring and inspection of pipelines, Conducts annual Desired Courses: Not Specified.*

## 4: Pipeline Integrity - NACE International

*Why do we need integrity management programs The core of an integrity program is the effective management of pipeline hazards There are 4 aspects to managing the hazards.*

## 5: PPIM Pipeline Integrity Management

*TRAINING & CERTIFICATION GUIDE Pipeline Corrosion Integrity Management Program* â€¢ DCC manual for course kit use CEUs.

## 6: NACE Institute International - PCIM Technologist

*Pipeline Integrity Handbook provides pipeline engineers with the tools to evaluate and inspect pipelines, safeguard the life cycle of their pipeline asset and ensure that they are optimizing delivery and capability.*

## 7: Integrity Management of Subsea Pipelines Courses in Aberdeen and Houston

*Internal Corrosion for Pipelines - Basic: This course provides students with the fundamentals of implementing, monitoring and maintaining an internal corrosion control program as part of an overall Pipeline Integrity Management program.*

## 8: NACE International - Course - Pipeline Corrosion Integrity Management

*2 Pipeline Integrity Management / System The installation of high-pressure gas pipelines follows applicable construction norms and relevant DVGW worksheets in order to ensure the integrity of the line during installation.*

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