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MARCUS N. BRESSLER, P.E.

Mr. Bressler has over 50 years in the power industry and an international reputation as an expert on the use and interpretation of the American Society of Mechanical Engineers' Boiler and Pressure Vessel Code (ASME Code). The primary purpose of this Code is to provide rules and requirements for the design of boilers and pressure vessels to assure their safety, and to prevent explosions and failures in power and industrial plants that could jeopardize life and property. He is in demand as a speaker, lecturer, and teacher and has made presentations throughout the United States, and in Japan, Canada, Mexico, Great Britain, Argentina, Belgium, West Germany, China and Slovenia.

Mr. Bressler specializes in materials technology and applications; quality assurance (QA) requirements for nuclear power plant components; and QA management audits. He also provides services in design, fabrication and inspection requirements for pressure vessels, pumps, valves, heat exchangers, quick opening man-ways, flanges and pipeline products. He is also involved in litigation and failure analysis for the power, petroleum and chemical industries.

NORMAN H BROCK

An extensive 35+ year career in safety, fire protection design, project management, OSHA PSM training, and research management in chemicals, refining, offshore, government, transportation, explosives, engineering and construction, and petrochemicals.

JOHN CRAMER

Highly experienced Principal Engineer, is an innovative manufacturing and process safety compliance expert with intense drive to improve process safety performance in the chemical manufacturing industry. With extensive experience in both batch and continuous processes; the last ten of which have been focused in higher-risk reactive chemistries. Demonstrated ability to implement Responsible Care® and Process Safety Management (PSM) regulatory compliance requirements. Proven facilitation and communications skills. Highly committed team leader who creates and delivers cost effective programs.

JOHN FOX

Experienced professional with 35 years experience in nuclear power in the area of metallurgical engineering, reactor and steam generator fabrication, regulator/licensing issues, strategic Issues – large components, welding engineering, material performance/corrosion control, failure analysis, plant maintenance.

JEFF GROVER, P.E.

Expertise in: Design/analysis concrete and steel structural systems, analysis of welds, welding methods, procedure specification, creep, fatigue structure finite element analysis; elastic/elastic-plastic stress analysis, transient/steady state stress analysis, fiberglass/composite materials analysis; dynamics and vibrations, nondestructive examination, real time radiography/digital imagine processing, computer applications/expert systems, probabilistic methods and reliability analysis.

Performance evaluation of building structural systems, long-term evaluation service analysis, accident reconstruction, fire analysis, expert witness, insurance investigations/litigation support; flaw evaluations of bridges, penstocks, ships, offshore structures, petrochemical/power plant components (nuclear, fossil, marine), cryogenic valves, wind tunnel piping; development of fracture mechanics codes; evaluation of corrosion fatigue performance of offshore platforms; evaluation of significance of lamellar tearing and low toughness material for nuclear power plant supports; development of acceptance criteria – reactor pressure vessels and gas pipelines; reliability analysis on geotechnical hazards sub-sea pipeline; life assessment of high temperature power plant components; development of computerized nondestructive examination techniques and methods for vibration based condition monitoring of aircraft engine components.

CHUCK LEVESQUE

Thirty years as a Metallurgical Engineer performing material property evaluations including -- mechanical and corrosion related testing, failure analysis, welding procedures and procedure qualifications, and material's characterization research. Mr. Levesque has managed numerous projects dealing with regulatory compliance (OSHA's PSM/MI and DOT Pipeline Safety - including audit programs for each), and Corrosion and Inspection Risk Assessments.

MICHAEL E LOORAM

Mr. Looram is a recognized industry expert in the design and behavior of bolted joints. He has pioneered application of advanced technologies for optimization and problem solving in the electric power, petroleum chemical, refining, automotive, and structural application of bolting. Specializing in troubleshooting the assembly, testing, qualification, and maintenance of bolted joints he has assisted numerous clients with the resolution of particularly troublesome connections.

JESSE MEISTERLING

Jesse Meisterling is a consultant specializing in the assembly and maintenance of bolted joints. He has over twenty years of experience devoted to the design, testing and qualification bolted joints and bolting equipment. Mr. Meisterling lectures on the topic of bolted joints. His specialty is ultrasonic devices for determining load in threaded fasteners. He has consulted on the factory floor and in the field on automated tightening and measuring systems and conducted bolt load studies for the Automotive, Aerospace, Power and Petrochemical industries.

EDWIN A MERRICK, P.E.

Professional Engineer with over 32 years experience in materials technology, process safety management, and risk analysis. Managed and conducted numerous failure analysis/incident investigations, fitness for service projects and risk/safety assessments (both qualitative and quantitative) to the satisfaction of clients and regulatory bodies. Experienced in hazard identification and probability/consequence analysis, particularly as it relates to crisis and asset integrity management for the petroleum and chemical industries (both upstream and downstream) and the power industry. Equipment experience in applications at power plants, chemical plants refineries, and pipelines. Specialized recently in assisting clients with implementation of strategies for optimization of inspection and maintenance programs through application of risk based and decision analysis principles. Recognized expertise in good bolting practices, metal bellows integrity, and mechanical integrity.

DON MILLER

Highly experienced professional with four-decade career assisting the oil and gas industries with major developments, or developing markets. Assists pipeline organizations in formulating environmental, engineering, and construction plans, and participates in their implementation. Also assists major oil and gas firms, and international EPC and consulting organizations in developing business planning and market entry strategies and subsequent tactics. Active in Business Planning and Business Development practices.

Served as an advisor to many of the major oil and gas companies on environmental matters for large upstream and downstream projects. Served as a field manager for the precedent setting Oil Spill Contingency Plan for the Trans Alaska Pipeline. As a Senior Project Manager and a Principal managed over 30 major natural gas, carbon dioxide, crude oil and coal slurry pipeline environmental, geotechnical, and contingency planning contracts for large pipeline systems. Clients included most of the multinational oil and gas companies, the major EPC organizations and large regional utilities. While employed by a multinational forensic and risk-engineering firm, assisted in evaluating pipeline construction issues and operations. Prior to joining the engineering and consulting industry, was a member of the pipeline construction industry. Achieved the position of General Superintendent of Mainline Construction for major domestic and international pipeline constructors.

GENE F. RAK

Experienced in all aspects of refinery and chemical plant Materials Technology, Mechanical Integrity, Failure Analysis, Corrosion Engineering, Incident Investigation, and Inspection program management.

KARL SCHMIDT

Over 30 years of experience in Quality Assurance, nondestructive testing, inspection, and asset integrity management, including 20 years as general manager and project manager. Experienced in international projects, mission-critical technical services, including: manned space program, nuclear power, major pipelines, oil & gas, chemical process and capital projects. Direct experience in technology development, integration, and implementation.

FRANK SIMPTON

Proven ability in the process industry a highly experienced professional with over 37 years in plant operations, inspection, mechanical integrity, project quality assurance, inspection planning, and project execution of field erection/construction work. Knowledge of materials engineering principles, fabrication techniques, testing procedures and quality improvement programs.

Very strong organizational and analytical skills; able to communicate with superiors and co-workers at all levels; good people skills; highly motivated; thorough and precise in attention to details; able to complete tough and complex assignments on time and within budget; dependable and conscientious.

GEORGE SADLER

Industrial Engineer and Professor/Analyst with expertise in engineering, construction, energy, oil and gas, chemicals, manufacturing, and high-tech companies. Analytical skills and organizational/cultural adeptness enable identification of performance issues and recommended solutions for desired results.

JOHN B. SMART

Mr. Smart is an expert with over 35 years experience as a corrosion engineer, metallurgist and operations engineer with The International Nickel Company, Amoco Corporation and as a corrosion consultant. Extensive practical field experience in all phases of oilfield corrosion control, including refineries and petrochemical plants, gas plants, drilling, oil and gas production, internal and external corrosion of pipelines, intelligent pig interpretation including B31G/RSTREN analysis, cathodic protection, materials selection, offshore platform corrosion design and inspection programs, coatings, chemical treating, and water treating for waterflooding and disposal. Known for practical and cost effective solutions to corrosion problems.

3 years as Research Project Engineer in Refineries and Petrochemical Plants, plus 14 years as Sr Staff Engineer/Engineering Associate, Corrosion, for Amoco International Oil Company, supervising programs in 10 countries involving extensive travel, field work, and training. 3 years as Engineering Supervisor, Amoco Trinidad Oil Company. Since 1991, Dr. Smart has been principle of John Smart Consulting Engineers, specializing in corrosion control in oil and gas production operations, corrosion in offshore operations, pipelines, refining and chemical plant operations, marine transportation, Mitigation of induced AC in pipelines in High Voltage utility corridors, coatings, and water treating for water flooding.

JAMES C. TOWERS

29 years experience in the development, construction, operational, and maintenance of crude oil, gas, chemical and products pipeline transportation systems onshore and offshore in the USA (specializing in cold regions), Central America, Russia, and Kazakstan.

REGAN POORAN

Regan Pooran’s corrosion engineering experience lies within: Oil & Gas Production Facilities, Refineries & Upgraders, and Industrial Water Treatment.

JOHN K YOUNG

Senior Operations/Technical Manager with a diverse background in the international and domestic areas. Over 40 years experience in plant management and corporate staff positions. Recognized as a manager who builds a team culture that consistently achieves high standards of performance and profitability. Known as a responsive troubleshooter who anticipates problems and systematically reduces complex situations into workable base elements for solutions.