

APTECH Engineering Services, Inc. Engineers

Robert P. Adams

Metallurgical Engineering; Failure Analyses

- ★ A.S., Materials Technology
- ★ B.S., Metallurgical Engineering
- ★ P.E. Metallurgical Engineer, California (MT1786)

Dwight Agan

Engineering Economics; Mechanical Engineering; Fluid Mechanics; Heat Transfer; Combustion Processes; Air Emissions; Gas Turbines

- ★ M.S., Mechanical Engineering, Energy Studies
- ★ B.S., Mechanical Engineering

Stephen Anderson

Mechanical Integrity & Risk Based Inspection Specialist, Development & Implementation of Risk Based Inspection Projects, Corrosion Control, Monitoring, Materials Selection, Failure Analysis, Lab & In-Plant Experience in Pulp & Paper, Explosives, Refineries, & Chemical Plants, Damage Mechanisms, Fitness-for-Service Analysis, & Likelihood of Failure Analysis

- ★ B.S., Physics & Chemistry
- ★ M.S., Materials Science

Philip M. Besuner

Applied Mechanics; Statistics; Probabilistics, Expert Testimony

- ★ B.S., Applied Mechanics
- ★ M.S., Engineering Mechanics

Dave Bosko

Mechanical Engineering; Applications of Finite Element Models; Precision Machine Design

- ★ B.S., Mechanical Engineering

Stephen D. Brown

Nondestructive Examination; Nuclear Steam Generators

- ★ B.S., Physics
- ★ B.S., Electrical Engineering

Thomas D. Burnett

Mechanical Engineering; Power Plant Operations; Power Plant Maintenance; Failure Analyses; Power Plant Condition Assessment

- ★ B.S., Marine Engineering

Russell C. Cipolla

Mechanical Engineering; Fracture Mechanics; Mechanical Integrity of Equipment; Nuclear Engineering

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering
- ★ P.E. Mechanical Engineer, California (M17973)

Kimble J. Clark

Mechanical Engineering; Heat Transfer; Fluid Mechanics; Explosions; Combustion; Accident Reconstruction; Expert Testimony

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering
- ★ Ph.D., Mechanical Engineering

Marvin J. Cohn

Civil & Mechanical Engineering; Power Plant Piping Analyses; Stress Analyses; Quality Assurance; Seismic Qualification of Vessels & Equipment

- ★ B.S., Physical Metallurgy
- ★ M.S., Engineering
- ★ P.E. Civil Engineer, California (C38007)
- ★ Nuclear Quality Assurance Lead Auditor, USA (ASNI N45.2.23)
- ★ P. Eng., Canada (M68997)

Kenneth R. Craig

Metallurgical Engineering, Steam Generator Integrity, Nuclear Metallurgy, Corrosion, & Failure Analysis

- ★ B.S., Metallurgical Engineering
- ★ M.S., Materials Engineering
- ★ Ph.D., Materials Science

Michael T. Cronin

Mechanical Engineering; Applications of Finite Element Models; Nondestructive Examination Methods; Risk Analysis Methods for Making Component Run-Repair-Retire Decisions; AWS Certified Welding Inspector; Expert Testimony

- ★ B.S., Physics
- ★ B.S., Mathematics
- ★ P.E. Mechanical Engineer, California (M26448)
- ★ AWS Certified Welding Inspector, USA (AWS 97120771)

Rodney L. Dail

Metallurgical Engineering; Power Plant & Refinery Condition Assessment; Welding Engineering; Corrosion Engineering; Technical Training

- ★ B.S., Metallurgical Engineering

Geoffrey R. Egan

Applied Mechanics; Code Compliance; Component Failure Analyses; Stress Analyses of Welded Structures (Bridges, Pipelines, Offshore Platforms); Expert Testimony; Risk Analysis; LNG Plant; Life Assessment

- ★ B.E., Mechanical Engineering
- ★ D.I.C., Mechanical Engineering
- ★ Ph.D., Applied Mechanics

Yogendra S. Garud

Mechanical Engineering; Risk/Reliability; Statistics & Probability

- ★ B.Tech., Mechanical Engineering
- ★ M.Tech., Mechanical Engineering
- ★ Ph.D., Mechanical Engineering

Charles R. Greene

Chemical & Process Engineering; Petroleum Refining & Synthetic Fuels; Petrochemical Process Analysis & Development; Litigation Support

- ★ B.S., Biochemistry
- ★ M.S., Organic Chemistry
- ★ Ph.D., Physical Chemistry
- ★ M.B.A., Manufacturing Management

G. Paul Grimsrud

Engineering Economic Analysis

- ★ B.S., Physics
- ★ M.S., Ocean Engineering

Jeffrey L. Grover

Mechanical & Civil Engineering; Quality Assurance

- ★ B.S., Mechanical Engineering
- ★ P.E. Civil Engineer, California (C30451)
- ★ P.E. Mechanical Engineer, California (M27802)
- ★ AWS Certified Welding Inspector, USA (AWS 97120831)
- ★ Registered Disaster Service Worker (Post-Earthquake Safety Assessment), California (SA971215)

Kevin G. Hara

Mechanical Engineering; Power Plant Design, Operations & Maintenance; Power Plant Condition Assessment & Life Management

- ★ B.S., Mechanical Engineering

Stephen G. Harper

Turnarounds, Shutdowns, Outages, & Maintenance Project Management in the Oil Refining, Pulp & Paper, & Power Generation Industries.

- ★ 33 years Experience

Andrew Holuszko

Power Plant Inspections; Specialized Nondestructive Examination Development

- ★ B.S., Mechanical Engineering
- ★ NDT Level III, ASNT, Global (KM896)
- ★ NDT Level II, CCSB, Canada
- ★ AWS Certified Senior Welding Inspector, USA (AWS 84080017)
- ★ Welding Inspector, Level III, CWB, Canada (284)

Robert J. Impey

Power Plant Inspection; Power Plant Operations & Maintenance

- ★ B.S., Marine Mechanical Engineering

Stephen M. Kohan

Chemical Engineering; Catalysis; Fluid Mechanics; Refinery Design, Operations, & Maintenance; Refinery & Chemical Plant Condition Assessment; Risk Analysis; Performance Testing; Expert Testimony

- ★ B.S., Chemical Engineering
- ★ M.S., Chemical Engineering
- ★ Ph.D., Chemical Engineering

Arun R. Kurlekar

Corrosion, Metallurgy, Mechanical Integrity, Risk Based Inspection

- ★ M.S., Nuclear Engineering
- ★ B.S. & M.S., Metallurgical Engineering

Clayton Q. Lee

Mechanical Engineering; Thermodynamics; Heat Transfer; Fluid Mechanics; Failure Analyses; Power Plant Condition Assessment; Accident Reconstruction

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering
- ★ P.E. Mechanical Engineer, California (M25808)

Steven A. Lefton

Chemical Engineering; Boiler & Power Plant Operations & Maintenance; Equipment Startup; Water Chemistry; Expert Testimony

- ★ B.S., Chemical Engineering

Philip B. Lindsay

Metallurgical Engineering; Corrosion Engineering; Materials Selection; Failure Analyses; Aqueous Media Corrosion; Expert Testimony

- ★ B.S., Metallurgical Engineering
- ★ M.S., Metallurgy
- ★ P.E. Corrosion Engineer, California (CR349)
- ★ P.E. Manufacturing Engineer, California (MF1096)

Ken Lobo

Nondestructive Testing & Visual Inspections; Fossil, Nuclear, & Petrochemical Projects

- ★ Associate Degree in Science/Science & Mathematics
- ★ Associate Degree in Applied Science/Transportation
- ★ Nondestructive Examination (NDE) Level II; Eddy Current, Magnetic Particle, Dye Penetrant, Ultrasonics & RT 1985)
- ★ Certified under the Carrier Corporation Eddy Current Qualification Program as a Test Engineer

Richard S. Moser

Metallurgical Engineering; Nondestructive Testing; Failure Analyses of Power Plant & Refinery Equipment

- ★ B.S., Metallurgy

Victor J. Nichols

Fossil Power Plant Operations, Design, Construction, Startup, Controls, Maintenance, Training, Systems Upgrades, & Performance Analysis

- ★ B.S., Mechanical Engineering
- ★ P.E. Oklahoma (9838)

Osborne (Ozzy) Nye III

Mechanical Engineering; Project Management; Seam-Welded Hot Reheat Piping; High Energy Piping; Nondestructive Examinations

- ★ B.S., Mechanical Engineering

Steve R. Paterson

Metallurgical Engineering; Welding Engineering; Material Degradation; Fractography; Theoretical & Experimental Material Behavior; Failure Analyses; AWS Certified Welding Inspector; Expert Testimony

- ★ A.S., Welding Technology
- ★ B.S., Metallurgy & Welding Engineering
- ★ M.S., Metallurgy & Materials Engineering
- ★ AWS Certified Welding Inspector, USA (AWS 97120921)

Terry W. Rettig

Metallurgical Engineering; Failure Analyses; Accident Reconstruction; Materials Selection & Specification

- ★ B.S., Engineering
- ★ P.E. Corrosion Engineer, California (CR687)

David Rockefeller

Civil Engineering, Mechanical Engineering, & Structural Engineering

- ★ B.S., Civil Engineering
- ★ M.S., Studies-Physical Metallurgy
- ★ NACE Corrosion Specialist
- ★ API Certified Inspector

Richard J. Schreiber

Mechanical Engineering; Energy Systems Engineering; Fluid Mechanics; Heat Transfer; Combustion Processes; Incident Investigation; Accident Reconstruction; Field Testing; Expert Testimony

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering
- ★ P.E. Mechanical Engineer, California (M20112), Nevada (014786)
- ★ Certified Fire & Explosion Investigator, National (NAFI 5045-1274)
- ★ BATC Refinery Process Safety Orientation, California

Eric V. Sullivan

Metallurgical Engineering; Welding Engineering; Procedures Development; Failure Analysis; Field Evaluations; Power Plant Materials Specification & Testing (Nuclear, Fossil); Expert Testimony

- ★ B.S., Metallurgical Engineering
- ★ P.E. Metallurgical Engineer, California (MT1771)
- ★ Hazardous Waste Operations & Emergency Response Training (29 CFR 1910.120)
- ★ BATC Refinery Process Safety Orientation

Cory Sutherland

Metallurgical Specialist, Risk Based inspection Consultant, Damage Mechanisms; Fitness-for-Service & Likelihood of Failure, Root Cause Analysis for Plant Explosions/Losses; Failure Analysis, Materials Selection and Testing, Welding Consultancy, On-Site Inspection, QA/QC Document Control, Review and Audits; Lab & In-Plant Experience in O&G Refineries, Chemical Plants, Power Generation, Pulp & Paper, Mining, Crane and Heavy Equipment Inspections (incl. Training) and Repair Procedures, API Tank Inspection

- ★ B.Sc., Metallurgical Engineering
- ★ P.Eng., Alberta, Canada (M61653)
- ★ API 653 Inspector (#6427)

T. Steven Torbov

Mechanical Engineering; Boiler & Burner Evaluation; Boiler Modeling; Combustion Tuning; Power Plant Design & Operation; Field Testing

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering

James (Jim) C. Towers

Cold Regions (Arctic) Pipeline Specialist; Pipeline and storage facility design and operations; Cost estimating and job simulation cost modeling; Present value investment alternatives analysis; Regulatory Compliance (DOT, EPA, FERC, State Agencies, Russia); Oil Spill Clean Up; Pipeline construction cost and schedule estimating

- ★ B.S., General Eng.

Hung D. Tran

Process Engineering & Operations Support; Software Tools; Consequence of Failure Modeling; Development & Implementation of Risk Based Inspection Projects

- ★ B.S., Chemical Engineering

Henry Vaillancourt

Metallurgical & Welding Engineering; Failure Analysis; Material Selection

- ★ B.S., Metallurgical & Welding Engineering

W.C. (Bill) Witte

Pipeline Rehabilitation & Coating Specialist; Multi-Pipeline Coating Rehabilitation Program; Pipe Coating Field Application; Coating Failures Analyses; Cathodic Protection Systems on Tanks, Vessels, & Pipelines

- ★ B.S., Business Administration

Brian W. Woodman

Mechanical Engineering; Probabilistics; Nuclear & Aerospace Engineering

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering

James J. Yavelak

Metallurgical Engineering; Field Project Management of Boiler & Power Plant Operations & Maintenance; Accident & Incident Investigation

- ★ B.S., Metallurgical Engineering
- ★ M.S., Metallurgical Engineering

John K. Young

Process Safety & Mechanical Integrity Specialist, Remaining Useful Life & Fitness-for-Service Analysis, Inspection Guides, Operation & Maintenance of Olefin Facilities, Advanced Cracking Reactor

- ★ B.S., Mechanical Engineering
- ★ M.S., Mechanical Engineering

Edwin L. Zebroski

Forensic Analysis; Chemical & Physical; Strategy Consulting in High-Tech Cases; Management Performance Evaluations; Safety Management; & Wide Ranging Scientific & Engineering Experience

- ★ B.S., Physics & Chemistry
- ★ Ph.D., Physical Chemistry

Aptech Engineering Services, Inc.

Corporate Headquarters

601 W. California Ave., Sunnyvale, CA 94086-4831

Phone: 408.745.7000 Fax: 408.734.0445

E-mail: aptech@aptecheng.com Website: www.aptecheng.com