



Operating Plant and Systems Professionals

Inc. 'Your Increased Profitability is Our Bottom Line'

GENE F. RAK

SENIOR METALLURGY, CORROSION, AND INSPECTION CONSULTANT

SUMMARY

Gene Rak is a specialist in the areas of metallurgy, corrosion, and inspection. He has 42 years experience as a corrosion engineer, metallurgist and inspections engineer with Exxon Chemical and BASF. He is known for his practical and cost effective solutions to corrosion problems.

WORK HISTORY

FIT, Inc.

(2015 – Present)

Gene assists FIT clients in all areas of chemical and petrochemical plant corrosion, metallurgy and RBI.

**Gene Rak, Consultant
Baton Rouge, LA**

(April 1995 – Present)

Provide Metallurgy, Corrosion, and Inspection services for chemical and refining industries]. Recent consulting work includes: Consultation regarding materials for refineries and chemical plants; Development of piping inspection program for chemical plant; Risk and Reliability studies including corrosion, inspection, rotating equipment, and safety valves for refinery in South Korea; Root cause analysis of Hydrocracker failure for refinery in South Korea, Reliability study on cooling towers for Chemical plant; Litigation for refinery Coker unit fire, Litigation for hospital concerning fireproofing; Litigation for environmental pipeline leaks in wetlands, Litigation for environmental gas release to atmosphere, Litigation concerning fireproofing in refinery, Litigation for chemical plant for environmental spillage. Litigation for coating manufacturer, Investigation and litigation for refinery failure in United Kingdom, Risk Based Inspection Analysis for refinery, chemical plants, pharmaceutical and NASA facilities, Petrochemical Plant analysis of maintenance and inspection programs. Failure analysis for Petrochemical plants.

Exxon Company, USA
Baton Rouge, LA
Engineering Associate

(July 1973 – April 1995)

Head materials engineer for Baton Rouge Refinery. Responsible for all phases of corrosion control. Work included root cause analysis of process unit failures, selection of materials for corrosive environments such as caused by naphthenic acid corrosion and high sulfur crudes, development of inspection programs and analysis of inspection data, instructor for metallurgy and corrosion courses for inspectors, engineers, mechanical and process supervisors. Involved with several OSHA investigations concerning process unit incidents. Developed plant -wide maintenance painting program for refinery and cathodic protection programs for underground piping and tank farms, including analysis of deepwell and shallow bed cathodic protection systems.

BASF Wyandotte
Wyandotte, MI & Geismar, LA
Material Engineer

(June 1968 – July 1973)

Head materials engineer for Geismar Plant. Responsible for all phases of corrosion control. Work included failure analysis, selection of materials, coatings and linings, cathodic protection, development of inspection programs, non-destructive testing, and inspection of equipment on/off stream. Followed shop and field construction of all new equipment for facilities. Responsible for supervision of maintenance painting program for plant and cathodic protection systems for underground piping and internal/external tankage protection.

EDUCATION

Lawrence Technological University
Southfield, MI
B.S.E.E. Electrical Engineering

PROFESSIONAL AFFILIATIONS AND OFFICES HELD

NACE International
Houston, TX

NACE International TCC Operation Chairman 2003 - 2004, Chairman of NACE International Conference and Expositions 2000 - 2002, Conference Chairman 1999-2000 Board of Directors 1999-2002, '94-'97 NACE International Relations Committee Chairman, Board of Directors 1991-1993 and 1994-1997, '91-'93 NACE Technical Practices Committee Chairman, '82-'84 T-8 Refining Industry chairman, NACE Certified Corrosion Specialist, California Certified Professional Corrosion Engineer