



The Augustus Group
Gene F. Rak – Principal Consultant

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SUMMARY

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

EDUCATION

Lawrence Technological University, Southfield, MI, B.S.E.E. Electrical Engineering
NACE Certified Corrosion Specialist No. 620
California Certified Professional Corrosion Engineer No. 160

PROFESSIONAL EXPERIENCE

1995 – To Present Gene Rak Consultant, Baton Rouge, LA, **Owner**

- Provide Metallurgy, Corrosion, and Inspection services for chemical and refining industries.
- 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:
 - Refinery Coker Unit fire
 - Hospital concerning fireproofing
 - Environmental pipeline leaks in wetlands
 - Environmental gas release to atmosphere
 - Fireproofing in refinery
 - Chemical plant for environmental spillage
 - Coating manufacturer
- Investigation and litigation for refinery failure in United Kingdom, Risk Based Inspection Analysis for refinery, Petrochemical Plant analysis of maintenance and inspection programs.

1973 – 1995 Exxon Company, USA, Baton Rouge, LA, **Engineering Associate**

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.

1968 – 1973 BASF Wyandotte

- 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., Wyandotte, MI & Geismar, LA, Head Material Engineer
- 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].

ORGANIZATIONS

1968 – To Present NACE International, Houston, TX

TCC Operation Chairman 2003 – 2004, Chairman of NACE International Conference and Expositions 2000 – 2002, Conference Chairman 1999 – 2000, Board of Directors 1999 – 2002, 1994 – 1997 NACE International Relations Committee Chairman, Board of Directors 1991 - 1993 and 1994 – 1997, 1991 – 1993 NACE Technical Practices Committee Chairman, 1982 – 1984 T-8 Refining Industry Chairman, NACE Certified Corrosion Specialist, California Certified Professional Corrosion Engineer