

INDUSTRIAL SERVICES PERSONNEL QUALIFICATIONS

MARK L. ELROD, PRINCIPAL ENGINEER, P.E., C.W.I.

Mark is a graduate engineer in Mechanical Engineering. Mark is a former NBIC inspector as well as a previous owner / operator of 225+ package and power boilers. He is an AWS certified welding inspector (CWI). He has over 30+ years of experience in pressure vessels, tanks, boilers and piping. Mark also performs litigation and expert witnessing services. Mark is a member of AWS, ASME and BLRBAC. Mark is experienced with API 579-1 / ASME FFS-1 2007 Fitness-For-Service assessments and damage mechanism driven inspections. He is also experienced with inspections of non-metals such as FRP, concrete and brick and tile. Mark holds an NCEES record so that he can obtain comity as a professional engineer in all states.

JEREMY M. ORR, SENIOR CONSULTING ENGINEER, P.E., C.W.I.

Jeremy is a graduate engineer in Mechanical Engineering. Jeremy is an API 510 certified pressure vessel inspector, an API 653 certified aboveground storage tank inspector, and an API 570 certified piping inspector. He is an AWS certified welding inspector (CWI). He is a Steel Tank Institute certified SP001 aboveground storage tank inspector. Jeremy is a level II in UT, PT, MT and VT. He has over 10 years of experience with a background in the foundry industry. He is a member of AWS, TAPPI and NACE. He is the Secretary of the TAPPI Equipment Reliability and Inspection subcommittee and is the task group Chairman for the TAPPI Equipment Integrity Management group. He was the co-author of *Appropriate Use of Tank and Pressure Vessel "In Service" Codes When Assessing Localized Corrosion and Cracking Damage*. Jeremy is experienced with API 579-1 / ASME FFS-1 2007 Fitness-For-Service assessments, finite element analysis (FEA) and damage mechanism driven inspections. He is also experienced with inspections of non-metals such as FRP, concrete and brick and tile. Jeremy holds an NCEES record so that he can obtain comity as a professional engineer in all states.

MARK R. ELLIS, SENIOR CONSULTING ENGINEER, P.E., C.W.I.

Mark is a graduate engineer in Mechanical Engineering. Mark is an API 510 certified pressure vessel inspector and an API 653 certified aboveground storage tank inspector. He is also an AWS certified welding inspector (CWI). He has over 13 years of experience with a background in the pulp and paper industry, and over 5 years experience in Vessel Integrity Program Management and data evaluation. Mark is also experienced with API 579 Fitness-For-Service assessments and damage mechanism driven inspections. Mark's experience in the pulp and paper industry includes reliability engineering with a focus on failure analysis, vessel and tank integrity, safety relief valve inspection program management, operator basic care programs, and root cause failure analysis programs. Currently he holds active PE licenses in Virginia, North Carolina, and Pennsylvania.

BRIAN M. SCHMIDT, ENGINEERING SUPERVISOR, E.I.T.

Brian is a graduate engineer in Industrial Engineering. Brian is an API 510 certified pressure vessel inspector. Brian is a level II in UT, PT, MT and VT. He has 9 years of experience with a background in the power and manufacturing industries. Brian sat for the PE exam this past March. Brian is experienced with API 579-1 / ASME FFS-1 2007 Fitness-For-Service assessments and damage mechanism driven inspections. He is also experienced with inspections of non-metals such as FRP.

WALTER G. SHOREY, SENIOR CONSULTANT

Walt has over 35 years of work in the coating and lining field, along with an extensive background in failure analysis and inspection of fiberglass, ceramic, tile and brick. Walt has an extensive construction background in inspection and layout of dams, paper machines, storage and process tanks, bridges and highways, including inspection of concrete placed underwater, as well as work on all high-level bridges in Maine for the Maine Department of Transportation. Walt's management history includes multiple projects and numerous personnel over large geographic areas. He was responsible for selecting, coordinating and managing multiple contractors during mill shutdowns. Walt is a NACE level III certified coatings inspector. Walt is an API 653 certified aboveground storage tank inspector. He is a member of SSPC, TAPPI and NACE.

JAMES B. CAVERLEE, E.I.T, ENGINEERING STAFF II

James is a graduate engineer in Materials Science. He has over 4 years of experience with pressure vessel, tank and piping inspection and analysis.

DANIEL E. SMITH, ENGINEERING STAFF

Daniel is a graduate engineer in Mechanical Engineering. He has over 4 years of experience with a background in industrial construction and installation (domestically and internationally).

CAMILLE HOUSE, ENGINEERING STAFF

Camille is a graduate engineer in Mechanical Engineering. She worked and co-op in the oil fields with JVI prior to joining ATS.

JORDAN A. HARE, ENGINEERING STAFF, EIT, CWI

Jordan is a graduate engineer in Mechanical Engineering. He is an AWS certified welding inspector (CWI). He has 6 years experience with project management and specification development within the ship building and aerospace casting industries.