

# G. MICHAEL COLLINS

## EXPERIENCE

**APPROX. 1998 – JULY 2018**

**AEROSPACE ENGINEER**, TRANSPORT STANDARDS STAFF, FEDERAL AVIATION ADMINISTRATION

Propulsion specialist in the Propulsion & Mechanical Systems Branch of the Transport Airplane Directorate, Aircraft Certification Service, located near Seattle Washington. (Later reorganized to be the Propulsion & Mech Sys Staff, Transport Airplane Branch.) Initially served as the Fuel Tank Safety Program manager in the Transport Standards Staff as well as perform normal propulsion specialists' functions. During this time, we issued two major rulemaking packages; the 2001 Fuel Tank Safety rule and the 2008 Fuel Tank Flammability Reduction rule. About the time the rulemaking was completed, my role as a program manager ended. I remained a focal for fuel tank safety regulations and policy issues until my retirement in July 2018.

**JANUARY 1989 – TO APPROX. 1998**

**AEROSPACE ENGINEER**, SEATTLE AIRCRAFT CERTIFICATION OFFICE, FEDERAL AVIATION ADMINISTRATION

Propulsion specialists in the Propulsion Branch of the Seattle Aircraft Certification Office. At the time of the TWA Flight 800 accident in 1996 I was assigned continuing operational safety for the propulsion systems on the 747 Classic models. When the fuel tank was suspected as the cause of the accident, I became the primary FAA propulsion engineer supporting the NTSB investigation.

**APRIL 1984 – JANUARY 1989**

**ENGINEER**, BOEING COMMERCIAL AIRPLANE COMPANY, RENTON, WA

April 1986 – January 1989: Propulsion Controls branch of the Technology Staff, Renton, WA. Member of a team responsible for propulsion controls on the model 757 airplane powered by Rolls-Royce engines. This included both electronic and mechanical components of the system.

April 1984 – April 1986: Technical Integration branch in Renton, WA. Developed and coordinated engineering decision memorandums that implemented changes to airplane models or authorized studies of potential changes to airplane models.

**JUNE 1982 – MARCH 1984**

**HOUSE BUILDER**, SELF

Resigned to build my own house

**FEBRUARY 1978 – JUNE 1982**

**ENGINEER**, SCHUCHART & ASSOCIATES, CONSULTING ENGINEERS, SEATTLE, WA.

Involved in a variety of projects including small hydroelectric power plant, gas turbine. powered natural gas compressor stations, studies for wood waste fueled cogeneration power plants, oil tanker system modifications, chemical plant modifications and piping on a nuclear power plant.

**JULY 1977 – JANUARY 1978**

**FIELD ENGINEER**, BECHTEL POWER CORPORATION, RIHLAND, WA

Show field changes on pipe support drawings, write rework instructions for the crafts, coordinate construction and inspection of pipe supports with systems turnover to the client (Fast Flux Nuclear Test Facility).

**JUNE 1974 – AUGUST 1976**

**ENGINEERING AIDE**, BECHTEL POWER CORPORATION, LOS ANGELES, CA

Compile and update the valve and line lists, coordinate the Piping & Instrumentation Drawings through drafting and the other engineering groups, evaluate bids and review vendor drawings for both nuclear and non-nuclear valves for the San Onofre Nuclear Generating Stations, Units 2 & 3.

## EDUCATION

**JUNE 1977**

**B.S. MECHANICAL ENGINEERING**, UNIVERSITY OF WASHINGTON

**FEBRUARY 1974**

**A.A.**, PASADENA CITY COLLEGE

**JUNE 1971**

**GRADUATE.**, PASADENA HIGH SCHOOL

## OTHER

- FAA Awards include:
  - 777 Early Extended Range Operation with Two-Engine Airplanes (ETOPS) team
  - 2001 Fuel Tank Safety Rulemaking team
  - 2008 Fuel Tank Flammability Reduction Rulemaking team
- Boeing Award; February 1989, Boeing Engineering Division Employee of the Month
- 1981 – Present, Professional Engineer, Mechanical, State of Washington
- 1978 – Present, Member American Society of Mechanical Engineers
- 2000 - 2018, Member National Air Traffic Controller's Association, Aircraft Certification Bargaining Unit, Region X
- 2013 - 2018, Aircraft Certification Representative, NATCA National Safety Committee
- 2015 – 2018, Member, AIR Voluntary Safety Oversight Board, FAA Aircraft Certification Service (AIR) Safety Review Process (SRP)
- NATCA Award: September 2019, Region X Commitment to Safety