

EDWIN OLWENY

PROFESSIONAL HISTORY:

Olweny and Associates, Inc: Principal - 2003 to present

*Hopper Elmore and Associates:
Consultant / Project Manager - 1994 to present
Project Engineer – 1991 to 1994*

*B.P. Consulting Engineers, Project Engineer,
1990 - 1991*

Fotiadi & Associates, Civil Engineer, 1989 - 1990

EDUCATION:

Master of Science, 1990, San Diego State University, San Diego

Bachelor of Science, 1987, University of Alabama, Huntsville

CERTIFICATION:

Registered Civil Engineer, California - No. C049517



Mr. Olweny has over 14 years of extensive experience in the field of structural engineering and seismic risk based analysis and design of structures,

equipment and equipment supports. He has been the lead engineer in various structural engineering projects as well as RMPP and CalARP seismic assessment projects at local petrochemical, nuclear, food processing and other chemical manufacturing facilities. He has performed structural seismic assessments of structures, equipment and their support structures, and piping systems. Equipment and piping include those containing hazardous materials such as radioactive materials, hydrogen sulfide, ammonia and MTS to name a few.

His experience in the field of seismic risk and earthquake engineering have made him astute in the process of identifying critical or vulnerable equipment and structural systems during physical inspections. It has also provided him with insight and

invaluable knowledge in methods for efficiently resolving seismic related structural issues. He has a keen understanding of the seismic assessment objectives and requirements of the CalARP, and RMPP programs. He has performed numerous facility walk-downs, calculations, structural rehabilitation programs, and site-specific seismic investigations in his efforts to assist facilities in complying with these risk management programs.

He is experienced in the use of state-of-the-art computer programs to solve complex engineering problems, including the assessment of aging or deteriorated structures. These problems often include the consideration of dynamic and non-linear effects.

Some of the facilities that Mr. Olweny has performed RMPP and CalARP seismic assessments include the following:

- Airgas Refrigeration Systems, Santa Fe Springs
- Sunkist Growers, Tipton
- Sunkist Growers, Ontario
- BOC Gases, Carson
- Texaco Refinery, Wilmington
- Ultramar Refinery, Wilmington
- Tosco Refinery, Wilmington
- Cleugh's Rhubarb Co., Buena Park
- Ralphs Distribution Center, Riverside
- Pepsi Distribution Center, Riverside
- Pacific American Fish CO, Los Angeles