

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of:	)	
	)	
DTE ELECTRIC COMPANY	)	Docket No. 52-033-COL
	)	
(Fermi Nuclear Power Plant, Unit 3)	)	

AFFIDAVIT OF RONALD A. SACCO

I, Ronald A. Sacco, do hereby state as follows:

1. I am the Director of Nuclear Quality Assurance for Black & Veatch Corporation ("B&V"). In my current position I am responsible for developing and maintaining the B&V Nuclear Quality Assurance program, evaluating compliance with the program, and managing the Nuclear QA organization resources. A statement of my professional qualifications is attached.
2. I am responsible for the paragraphs in the direct testimony on Contention 15 filed today that are marked with my initials.
3. I attest to the accuracy of those statements, support them as my own, and endorse their introduction into the record of this proceeding.
4. I hereby certify under penalty of perjury that the forgoing is true and complete to the best of my knowledge, information, and belief.

Executed in accord with 10 C.F.R. § 2.304(d),

signed electronically by Ronald A. Sacco  
Ronald A. Sacco  
Director of Nuclear Quality Assurance  
Black & Veatch Corporation  
11401 Lamar Ave.  
Overland Park, KS 66211  
[saccora@bv.com](mailto:saccora@bv.com)

Dated at Overland Park, KS  
this 30th day of April 2013

## Ronald A. Sacco

Ronald A. Sacco is the Director of Nuclear Quality Assurance in the Nuclear P&L. In this position, he is responsible for development and maintenance of the Nuclear Quality Assurance Program and evaluating organization compliance to the internal and external requirements. Sacco is also responsible for directing the work performance of Nuclear QA personnel.

### REPRESENTATIVE PROJECT EXPERIENCE

#### B&V Director of Nuclear Quality Assurance; Nuclear P&L; Kansas City, Missouri

##### 2006-Present

**Director of Nuclear Quality Assurance.** Providing Quality Assurance and Quality Management support for the Nuclear Business Unit.

- Black & Veatch Project Quality Manager – Entergy River Bend COL Project
- Black & Veatch Project Quality Manager – Florida Power & Light Turkey Point
- Black & Veatch Project Quality Manager - UniStar Bell Bend COL

### PREVIOUS EXPERIENCE

#### Central Artery/Tunnel Project; Boston, Massachusetts

##### 2002-2006

**Director of Quality Assurance—MASSACHUSETTS TURNPIKE AUTHORITY.** Provided Quality direction/oversight for Project QA and contractor QC activities.

#### Consulting Services; Saugas, Massachusetts

##### 2000-2002

**Consultant—RAS MANAGEMENT CONSULTANTS.** Provided quality and management systems consulting.

#### Alyeska Pipeline Service Company; Anchorage and Fairbanks, Alaska; Trans-Alaska Pipeline; Anchorage and Fairbanks, Alaska

##### 1995-2000

**Quality Manager and Senior Quality Specialist—ALYESKA PIPELINE SERVICE COMPANY.** Designed quality organization for a corporate business unit and developed and directed the Quality Program and implementing procedures. Developed and provided quality training. Directed the surveillance systems and corrective action and root cause analysis programs.

#### Joint Pipeline Office (JPO); Anchorage, Alaska

##### 1994-1995

**Senior Quality Consultant—STONE & WEBSTER ENGINEERING CORPORATION (SWEC).** Support contractor to The Joint Pipeline Office in performance of its Trans-Alaska Pipeline oversight responsibilities. Developed systems to identify and resolve quality

### DIRECTOR OF NUCLEAR QUALITY ASSURANCE

#### Specialization: Quality Management

#### Education

Bachelor of Arts, Political Science,  
Boston College, 1977

Master of Arts, Political Science,  
Boston College, 1977

Juris Doctoris, N.E. School of Law,  
1980

#### Professional Registration

1980, Massachusetts, Attorney,  
#437120

2002, ASQ Certified Manager of  
Quality/Organizational Excellence,  
ASQ, #9158

2007, ASQ Certified Quality Auditor,  
ASQ, #36266

#### Total Years Experience

30

#### Joined Black & Veatch

2006

#### Professional Associations

American Society of Mechanical  
Engineers-NQA-1 Committee  
American Society for Quality  
American Bar Association

#### Language Capabilities

English

issues and employee concerns.

#### Headquarters QA; Boston, Massachusetts

1992-1994

**Senior QA Engineer/Quality Program development/support—STONE & WEBSTER ENGINEERING CORPORATION (SWEC).**

Assignments of varying length at several nuclear power plants, including Watts Bar; Nine Mile Point 2 and Clinton. Assessed/Audited Quality programs and procedures. Developed/administered nuclear QA programs and procedures. Investigated/evaluated quality, regulatory compliance and employee concerns programs. Provided ASME III Program support.

#### CEGA Project; San Diego, California

1990-1992

**Quality Systems Manager—STONE & WEBSTER ENGINEERING CORPORATION (SWEC) (Secured employee to the CEGA Corp.).**

Directed/Developed Project Quality systems and staff in a joint venture DOE contract for the design of a Modular High-Temperature Gas-cooled Reactor (MHTGR).

#### Headquarters QA; Boston, Massachusetts

1983-1990

**Senior QA Engineer—STONE & WEBSTER ENGINEERING CORPORATION (SWEC).** Quality Program development/support.

Assignments of varying length at several nuclear power plants, including Watts Bar; Nine Mile Point 2 and Clinton. Assessed/Audited Quality programs and procedures. Developed/administered nuclear QA programs and procedures. Investigated/evaluated quality, regulatory compliance and employee concerns programs. Provided ASME III Program Support.

#### Millstone III Nuclear Power Plant Project; Boston, Massachusetts

1980-1983

**Licensing Engineer—STONE & WEBSTER ENGINEERING CORPORATION (SWEC).** Provided interpretations of laws and regulations for project management. Responsible Licensing Engineer

for the Millstone III EROLS. Developed project standards and provided licensing review for 10CFR50.55(e) and 10CFR21 reports.