OUR ABILITY

Dr. Nasser Razeghi

NARVAN ARRA
Committed to Environmental Issues

POSITION

- Senior Consultant, Environmental Specialist

QUALIFICATION

- First National Award for Water and Environment 2016
- PH.D –Environmental Health,
  Oklahoma University - 1970
- MS – Master of Public Health
  North Carolina University - 1965
- Diploma in Sanitary Engineering
  US Public Health Service - 1965
- Certificate in Public Health Engineering
  American University of Beirut - 1961
- Diploma in Sanitary Science
  American University of Beirut - 1960
- Masters in Agriculture Engineering
  Tehran University - 1958
- Value Engineering Award for Design of a Water Supply
  First Iranian Civil Engineering - 1995
- Research on Detergent in Tehran Ground Water
  Ministry of Higher Education, Iran
- Delta Omega for Being the Top Ten Percent of Graduates
  University of North Carolina, USA

EXPERIENCE

- 42 Year in Engineering Practice & Teaching

FIELD OF SPECIAL COMPETENCE

Dr. Razehi has over 42 years of work experience in the field of water transmission, distribution and treatment, sewage collection systems and treatment, amongst other Dr. Razeghi has also published several books and related publications. He has gained a wealth of experience through numerous projects he has been involved in. He has held all positions from designer to technical manager, project manager, section director and consultant. Dr. Razeghi also is a member of many boards related to his profession. He is known for his high technical knowledge coupled with a strong sense of leadership having led several hundred engineers at a time. In parallel, Dr. Razeghi also has contributes his time towards education at university level through his career. With his distinguished career and experience Dr. Razeghi is a know authority figure in his field of expertise and is able to provide an array of services to meet any related needs.

EMPLOYED RECORD

- 2005-2007 Team Leader for Capacity Building for **Ministry of Energy Unesco-university of water and Power**
- 2003 **Pars jooyab Consulting Engineers**

  Position: Head of Water Treatment and still helds the position
- 2004-2006 **UNESCO-IHE, Power Water University of Technology**

  Position: Team Leader, Training and Capacity building for the Water & Wastewater Sector in Iran
- 1997-2003 **Rayab Consulting Engineers**

  Position: Technical Deputy of the Company
- 1987-1996 **Jahad e Sazandegi**

  Position: Consultant to the Department of Environmental Engineering
- 1983-1986 **Rayab Consulting Engineers**

  Position: Project Manager of Tehran Sewerage System and Technical Deputy
- 1980-1982 **Sakhtab Consulting Engineers**

  Position: Head of Tabriz Sewerage System
- 1970-1980 **Hamkar consulting engineer**

  Position: Designer, project Manager and Head of the Section

DETAILED TASKED ASSIGNED

In this project, Mr. Nasser Razeghi will be responsible for:

1. Planning the Works, Organizing and managing the resources required carrying out the works in accordance with Terms of References and the methodology set out in the proposal.
2. Planning and coordination between site and office engineers and chairing technical meeting for the review of the work.
3. Coordination between supervising body and the client and preparation of progress report, including the input of value engineering to help avoid or overcome obstacles and maximize progress.
4. Coordination of the work packages, related to the contract in order to harmonize the standard and facilitate decision making.
5. Review and approval of variation that may become necessary with regards to specification, drawing and the execution of the works.

PROFESSIONAL EXPEIENCE

WATER TRANSMISSION, DISTRIBUTION, TREATMENT AND DESALINATION PROJECT

Mr. Razeghi has worked in the studies, design and construction supervision of over 15 major projects in this field over his career. The overall length of water transmission lines projects is equivalent to 600km of pipe varying from 400 mm dia to 1000 mm dia pipe size. He has been involved in water distribution projects providing water to 10 major cities across Iran. The combined total of these water distribution project is equivalent to an installed length of pipes of approximately 2 million km with pipe size ranging between 100mm dia to 600 mm dia. Mr. Razeghi has also been involved in the development of 10 treatment plants of varying capacity from 0.1 m3/s to 2.5 m3/s at different stages of studies. He is knowledgeable and well versed in all modern methods of treatment and desalination.

Below are brief sample of related projects Mr. Razeghi has been involved in throughout his career.

Expert Consultant

- ✓ Providing review and approval services for the Ministry of Energy relative to all types of water related projects carried out by engineering consulting firms.

Head of the section

- ✓ Water Treatment Plant Design (2004); Four major cities in Iran (ie. Hamedan, Khoozestan, Saman, karadge, systan); Rural and Municipal Water and Sewage Companies
  - Design calculation and control of the works of engineers in section.
- ✓ Managing Over 20 Projects in Water and Sewage

Technical Manager

- ✓ Intake, treatment and Transmission lines and Distributions System (1988); Systan Area, Iran; Ministry of Jahade Sazandegy
  - Managing the biggest rural water supply in the country 0.8m^3/second
  - Review of the consulting reports, approval for execution and management of the contractors.

Project Manager Designer

- ✓ Water Transmission , Treatment and Distribution (1970); Bandar Abbas, Iran; Ministry of Energy
  - Studies and supervision of the works execution.

SWERAGE COLLECTION SYSTEMS AND TREATMNENT PROJECTS

Mr. Razeghi has worked in the studies, design and construction supervision of over 6 major projects in the field of sewage collection systems over his career.

A brief sample of related projects Mr. Razeghi has been involved in throughout his career is as follows:

Project Manager

- ✓ Tehran Sewerage System – Collection, transmission and treatment; Iran; ministry of Energy
  - Project management of the biggest sewerage system of the country for 7 million people. Overview of detailed design.
- ✓ Sewage collection system – collection and transmission to treatment plant; Tabriz, Mahshar, Iran; Ministry of Energy
  - Design and supervision the execution of the works for population of over 1 million people.

PLANTS START-UP, OPERATION AND MAINTENCE

Advisor and Consultant

- ✓ Mr. Razeghi has worked as an advisor and consultant for the start up and maintenance review, upgrading many water treatment plants,

Expert Consultant

- ✓ Mr. Razeghi has provided professional services and expertise on water transmission pipeline,

water treatment, especially with regards to filtration units, sewage conveyance canals, hydraulics of treatment plants for increased capacity and efficiency.

- ✓ Another major area of work has been dedicated to analysis of water quality of water resources, process required for treatment and the development of phase I and phase II treatment plant studies.

ACADEMIC EXPERIENCE

Assistant, Associate and Full Professor

- ✓ Field of Water and Sewage (1960-2002), Tehran, Iran, Tehran University
- ✓ Over 30 Years of teaching and active research

Head of Department of Environmental Engineering

- ✓ Headed the department for 8 years; Tehran, Iran; Tehran University – School of Environmental studies at graduate level.
- ✓ Adviser to ministry higher education for graduate programming.

Many other University position

Member of Editorial Boards of Research and Science Journals

- ✓ Journal of Water and Sewerage (15 years)
- ✓ Journal of Environmental Sutdies (15 years)

PUBLICATIONS

- ✓ Municipal and Rural Sanitation by Ehler and Steel, Translated and published by the Ministry of Health.
- ✓ "Treatment, Transmission and Distribution of Drinking Water"; Nasser Razeghi, A two volume book for university level studies published by the Department of Jahad-e-Sazandeghi, University of Tehran.
- ✓ Rezeghi. Nasser and Mansouri. Roya, Desalination from Brackish and Sea water Narran Arra, 2012.
- ✓ Rezegh. Nasser, Mansouri. Roya and Rouhani. Peyman, Water Reuse ,Natures Arra, 2013.
- ✓ "Application of Conventional Treatment Unit for Drinking Water Treatment Plants" (2001)
- ✓ More than 20 research articles and technical papers.
- ✓ Numerous articles and publication about environmental pollution in various Journals.