



Name : Safaa Mahmoud Ragheb Abd El Hamed
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Education : Ph.D in Civil Engineering , Cairo University,2007
Consultant in designing water and sewage networks
Master degree in Civil Engineering , Cairo University,2002
Diploma in Sanitary and Environmental Engineering , Cairo University,1998
Bachelor in Civil Engineering , Cairo University,1994
Current Position : Head of Sanitary and Environmental Engineering Institute ,
Housing and Building National Research Center , Giza , Egypt

Key Qualifications / Fields of Expertise

- Over 20 years of diverse appraisal reports for Existing , proposed commercial office building single , multi-tenant and motels conservation . Easements Right-of-Way Taking Existing and Proposed Residential Subdivisions, Vacant agriculture land , Vacant Commercial Land, Vacant Residential Development Land, Office Buildings Industrial Warehouses Automobile Dealerships, Bank Buildings Day Care center, Free Standing Retail Buildings Gasoline Stations/Convenience Store, Residential Properties .single family condominiums, townhouses and industrial building – Land, construction and machine.
- Training courses and consulting services for area of water quality environmental field including studies, design, analysis, evaluation, and monitoring.
- 20 years of experience in water quality, solid waste treatment, monitoring and evaluating the radioactive unit. Also, Experience includes establishing working relationship with the effect of environmental Quality Control and especially in matters relating to the influence of the Environmental and Meteorological Department. Secondly, classification of soil and preparing researches concerned with partial damage of buildings. Finally, widely experience in wastewater treatment, solid waste treatment, chemical analysis, waste reduction, and use of waste materials in construction.

Summary of work experience

- Preparation of water and wastewater Master plan for Kafr El-Sheikh Governorate via Utilities engineering office within the framework of national master plans overall Egypt for all governorate in the field of water and wastewater funded and followed by HCWW.
- Participate in the data collection, TV inspection and evaluation of existing 600 km of sewers, 12000 manholes, 44 marine outfalls, 22 pump stations and three wastewater treatment plant and identification of the required solution. Team Member in the development of the designs (conceptual and final) and workshop drawings for hydraulically model, gravity sewers, force main, pumping station, treatment plant. The old master plan of the city shall be upgraded to the year 2025.
- Team member responsible for developing the detailed design, construction drawings and preparation of tender documents for all landfill ponds, water and wastewater systems.
- The project comprises the construction of a hazardous waste sanitary landfill of 14,000 m² and four evaporation ponds with a total net area of 1,300 m². In addition to, an administration building, a water distribution and drainage system; a fire fighting system; a workshop and store; a weighting bridge; an electric distribution and lighting system; a fence and surrounding ditch for flood protection.
- Participated in the development of the detailed designs (conceptual and final) and workshop drawings for 17.8 km of gravity sewers divided into 23 reaches with diameters ranging between 175 and 800 mm.
- Responsibility includes also preparing all the required reports.
- A \$17 million sewer rehabilitation project resulted from the findings of the City of Suez Sewer System Evaluation (Infiltration/Salinity Survey carried out by Chemonics Egypt for ABB SUSA Inc. / Dillingham JV). The report identified areas within the system that need to be rehabilitated. The rehabilitation works project included the replacement and repair of manholes and sewer pipelines identified in the ISS report.
- Team Member, responsible for data collection and evaluation related to the groundwater survey, geotechnical analysis and identification of affected buildings. Assisted in the development of the fact-finding report for nine villages. Assisted in the development of the sanitary sewer system in the nine villages.
- Prepare technical offers for the following project
 - Master plan for Wastewater system - greater Cairo city
 - Master plan for Water supply system - Alexandria city
- Participated in the design and/or construction supervision for water and wastewater system in the following projects:
 - Pre feasibility study for over 75 villages in 6 governorates.
 - Several buildings for Environmental Ministry.
 - Wastewater system for Barnsht and Masged Mousa villages in Beni Suef

Governorate.

- Member of Appraisal General of Real Estate Appraisers No 100 (EFSA), Certified General real Estate Appraiser (EFSA), the Appraisal Institute NO 109 (EFSA), Egyptian Syndicate of Engineers and Management Egyptian Engineers Syndicate (MES).
- Member of the Egyptian Code of Practice Committee of designing principles of solid wastes management 2012.
- Member of subsidiary specialized committee (water efficiency) of the Egyptian Code Green Building , 2012
- Member of the Egyptian Code upgrade “Reuse of Treated Wastewater Code of Practice and Guidelines”. 2012
- Member of the Egyptian Code of designing principles and execution terms of salt water desalination plants, 2012
- Member of the Egyptian Code of designing principles and execution terms of drinking water and wastewater purification plants , 2011

Courses

- Assessment of immovable Property, international Valuation standards, Market Analysis for Property, Code of Ethics for the Practice of Real Estate Evaluation, Laws and Regulations and Decisions to the Real Estate Finance System, The Roles of the Appraisal: in-Kind payment for banks, Professional Standards of Practiced and Ethics, Evaluation of Historical Buildings, Evaluation of Green Building, Building Law, Standard of Mass Appraisal, Appraisal Process, Manufactured Homes, Property Construction & inspection, Surveying & Legal Description, Complex Residential Properties Statues & Rules, Income Capitalization, Sale Comparison Logic, Highest and Best Use, Land Value & Construction Costs, Depreciation on Buildings, Appraising Manufactured Homes, Narrative Report Writing, Residential Case Study, Asset management – Green building Evaluation, Construction economy, Mass Appraisal usage, Strength and Technology of Construction Materials, inspection, Maintenance of concrete and steel building, Quality control of building materials Law (bids and contract, tenders, Fedics , civil) and Claims and arbitration, Planning and inspection of construction projects, using of advanced soft ware programs in construction management, Organization behavior, Performance and evaluation of construction projects Cairo University, Egypt (2007-2012).

Official and Responsibilities

- Training in workshop in the field of “ Water Quality Control and Assessment of water and distribution system sources “ in Netherlands, on 6-12/12/2010 pursuant to the administrative degree No. 181 /2009 which managed according to (MYA) agreement between Rural Training Institute and Netherlands Aid whereas a training course in this field has been held in Housing and Building National Research Center for two weeks on November 2009
- Training in workshop in the field of “ Advanced Wastewater Management “ in Netherlands, on 23-29/12/2010 pursuant to the administrative degree No. 182 /2009

which managed according to (MYA) agreement between Rural Training Institute and Netherlands Aid whereas a training course in this field has been held in Housing and Building National Research Center for two weeks on October 2009

- Training of Trainers (TOT) in certification of Engineering inspectors 2009

Conference Attendance and Training courses

- International Conference "Towards a low-cost housing" Cairo-in 2007.
- Workshop for anaerobic treatment of sewage-Cairo-in 2006.
- Technology Conference recycling waste in the construction industry-Research Center Housing and construction-Cairo in 2005.
- International Conference "outlook and the challenges of urban development-Cairo-in 2005.
- Ninth International Conference on water technology Sharm el-Sheikh-in 2005.
- A course on environmental impact assessment-Engineering College-University of Cairo-in 2004.
- Role in the management and development of cemeteries health of the solid residues Training Institute and Studies Research Center-urban housing and construction - in 2005.
- Role in the treatment and analysis of water for different uses-Association of Scientific-in 2001.

Languages

Language	Speaking	Reading	Writing
English	v.good	v.good	v.good
Arabic	Native	Native	Native