



## RAWAN EL-AFIFI MANAGING CONSULTANT

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### CREDENTIALS

- ♦ M.S., Environmental Engineering, Georgia Institute of Technology – Atlanta, GA, 2014
- ♦ B.S., Civil Engineering, The University of Texas at Austin – Austin, TX, 2012

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### PROFESSIONAL EXPERIENCE

- ♦ **2022 – Present:** ALL4 LLC, Houston, TX – Managing Consultant
- ♦ **2018 – 2022:** AECOM, Houston, TX – Air Quality Specialist/Project Manager
- ♦ **2015 – 2018:** RTI International, Abu Dhabi, United Arab Emirates – Energy and Environment Engineer
- ♦ **2014 – 2015:** Trinity Consultants, Dallas, TX – Air Quality Consultant

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### TECHNICAL EXPERTISE

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| ✓ Air dispersion modeling                            | ✓ Energy Efficiency and Water Efficiency Management |
| ✓ Air quality permitting                             | ✓ Annual compliance and emissions reporting         |
| ✓ New Source Review permitting                       |   |
| ✓ Local and federal air permitting                   |   |
| ✓ Air emissions inventory development and submission |   |

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### PROFESSIONAL OVERVIEW

Ms. Rawan El-Afifi is a Managing Consultant based in Houston, TX with experience in air quality permitting and air dispersion modeling in various industries throughout the United States. Ms. El-Afifi has assisted with numerous air permitting strategy projects and permit applications. Ms. El-Afifi has experience with minor and major new source review (NSR) construction permitting and preparing permitting strategies, including reviewing PSD and nonattainment NSR applicability, best available control technology (BACT), and state and federal regulatory applicability analyses for her clients. She has offered solutions for emission refinements for the development of potential to emit (PTE) calculations. She has also prepared emission inventory calculations and associated tracking tools for her clients. In addition, she has developed tracking tools for recording complex maintenance, startup and shutdown emissions and scenarios at multiple facilities.

Ms. El-Afifi also has expertise in air dispersion modeling, where she has actively evaluated air quality impacts on both a project and cumulative level. Her experience includes modeling for grassroots and existing facilities, and has extensively assessed impacts for criteria pollutants, state health effects pollutants, and state property line pollutants. She has provided culpability analyses and refinements to emissions calculations and stack parameters as part of her work.

In addition, Ms. El-Afifi has international experience in Abu Dhabi where she helped build tools and train resources on various environmental issues including air quality, groundwater, energy efficiency, and resource management. Her role included developing and establishing new programs for agencies to implement their vision, gathering, and evaluating data, determining trends, and providing scientific and technical guidance to staff to train them on the execution of the programs.