

MANJIRA KUDARAVALLI

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ENVIRONMENTAL ENGINEER / SCIENTIST

Detail-Oriented, Dedicated and highly Qualified Environmental engineer with expertise in Spill Prevention Control and Counter measure Phase I Environmental Site Assessments, Stormwater Pollution Prevention Plans & bolstered by academic research in the areas of industrial wastewater treatment, instrumental analysis, and developed thesis on with industrial acidic wastewater treatment for metals with granular activated carbon. Consistently revered by superiors for outstanding job performance and attention to detail. Ability to manage several projects & talent for problem solving, critical thinking & designing research while developing informative and technically detailed reports. Possess excellent leadership, supervisory, team-work, and communication skills to multi-task and coordinate successful team-based projects.

AREAS OF STRENGTH / TECHNOLOGIES

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|---------------------|---------------------------------------------------|-----------------------------------|
| ✓ AUTOCAD | ✓ MS Office (Word, PowerPoint, Excel) | ✓ Regulatory Compliance |
| ✓ SWPPP | ✓ Spill Prevention Control & Counter Measure | ✓ Project Management |
| ✓ ARC-GIS | ✓ Visual Site Assessments & Regulatory Search | ✓ Data Analysis/Testing |
| ✓ Adobe Illustrator | ✓ Phase I Environmental Site Assessments & Review | ✓ Industrial Wastewater Treatment |

EDUCATION & TRAINING

MS, Environmental Engineering, University Of Texas at Arlington, Arlington, TX USA ~ December 2014

Selected as the General Secretary, Indian Cultural Council student organization

Thesis: *Adsorption of Metals in Flu-gas Desulfurization Wastewater by Using Iron Incorporated Activated Carbon*

Key Coursework: Biological Processes, Physical Chemical Processes (I,II), Environmental Engineering and Analysis Lab Transportation Engineering, Geology, Air Pollution, Current Topics in Environmental Engineering, Advanced Oxidation Processes, Hydraulics Machinery Lab, Fluid Mechanics, Environmental Engineering (I,II)

B.Tech, Civil Engineering, Jawaharlal Nehru Technological University, India ~ May 2012

EXPERIENCE HIGHLIGHTS

NEWFIELDS ENGINEERING AND ENVIRONMENTAL LLC, Lewisville, Texas

Staff Environmental Engineer, 01/2016- 02/2018

- ✓ Conducted field inspections related to preparation of Spill Prevention, Control, and Countermeasure (SPCC) Plans for aboveground storage tanks (ASTs) and Stormwater Pollution Prevention Plans (SWPPP).
- ✓ Prepared Storm Water Pollution Prevention Plans and Notices of Intent for facilities in order to comply with the Clean Water Act and the National Pollutant Discharge Elimination System (NPDES).
- ✓ Performed desktop reviews of SWPPPs and Phase I Site Assessment regarding the potential for sites to have become environmentally impaired
- ✓ Conducted field investigations related to environmental sample collection that may include soil, groundwater, surface water, geological, and air resources as well as vegetation.
- ✓ Performed environmental due diligence (Phase I) assessments.
- ✓ Analyzed collected environmental data and compiled reports including data assessment and evaluation.
- ✓ Prepared summaries or reports on results for field investigations or inspections.
- ✓ Assisted in the preparation of accurate and professional technical reports and presentations.
- ✓ Provided project support and assistance to Project Managers.
- ✓ Participated in team based project work resulting in client satisfaction and the on-time completion of a high quality technical work product.

BENCHMARK ENVIRONMENTAL CONSULTANTS, Dallas, Texas

Environmental Technician, 08/2015-01/16

- ✓ Prepared Phase-I site assessment reports and performed environmental audits for industrial facilities in conformity with NPDES and TCEQ permits and procedures.
- ✓ Responsible for Phase 1 & NEPA project set-ups and Contributed technical expertise to multiple projects simultaneously. Supported Project Managers with project control and task management.
- ✓ Projects include Phase 1 site investigations, oversight, remediation, and due diligence.

UHV TECHNOLOGIES, Fort Worth, Texas

Student Intern, 06/2015 to 08/2015

Performed quantitative and semi-qualitative multi-element microanalysis of liquids using TXRF- Total reflection x-ray fluorescence spectroscopy. Documented and reported results to senior R&D and technical supervisor. Coordinated projects.

UNIVERSITY OF TEXAS, Arlington, Texas USA

Environmental Engineering Master's Student / Master's Thesis Researcher, 08/2012 to 12/2014

Planned, implemented, engaged in, and created report for Master-level thesis. Designed experimental procedures to reduce the concentrations of heavy metal ions from industrial wastewater (FGD) as provided by Southern Company. Utilized ICP-MS (Inductively coupled plasma mass spectrometry) to analyze samples; obtained reduced concentrations of metal ions in industrial wastewater. Documented sorption isotherms based on interpreted data obtained from analysis.

Additional contributions:

- Leveraged strong leadership, communication, and team-work skills to complete additional academic projects:
 - ✓ Water And Waste Water Treatment Design (2013): Designed primary and secondary clarifiers along with Parshall Flume and Flocculator Basin for a wastewater treatment plant.
 - ✓ Environmental Air Quality Modeling (2012): Completed preliminary design for Cyclone Separator, Pulse Jet Bag House, and Electro Static Precipitator (ESP) to remove air pollutants from industrial discharge; developed Column design to remove VOC from stack gases for Clean Air Act compliance.
 - ✓ Solid Waste Management and Sustainability: Completed class project on converting solid waste produced from University into bio-gas in order to reduce electricity consumption.