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Top Skills

Environmental Compliance
Sustainability
Environmental Management
Systems

Languages

Hindi
Tamil
Telugu

Certifications

Corporate Sustainability and
Innovation
Engineer In Training
Cryptocurrency
Financial Services Management
Six sigma green belt

Publications

India: Impact Investing in the Social
and Environmental Sectors
Understanding MSS issues in Texas,
AWMA National Conference, 2007
India: Environmental Liability and
Contamination Regulations

Sanjay Kumar Sampath

Environmental| Sustainability| Business| Blockchain
Greater Houston

Summary

20 years in Chemical and Petrochemical industries, Petroleum refineries and in Consulting. MBA in Finance (Bauer), MS degree in Environmental Engineering (TAMUK) and BE in Chemical Engineering (Pune). Harvard graduate with a Masters in Sustainability

My primary work skill is in the field of air quality management, particularly in Texas. Overall, my skills include Environmental Policy and International Management, Corporate Sustainability and Innovation, Software Technology, Financial Services Management, Six Sigma among others and I am certified in each of the above areas. I also have had the great fortune of having great teachers ranging from Mother Nature, Ancient Vedic philosophies to my absolutely lovely and adorable 10 year old daughter.

Experience

Albemarle Corporation
Senior Environmental Engineer
October 2015 - Present (5 years 7 months)
Houston, Texas Area

Air Permitting and Compliance Lead at the Houston Plant of a S&P 500 Specialty Chemical Company. Managed Programs span the complete gamut of environmental air programs including Emissions Banking and Trading, Greenhouse Gases, Community Engagement, New Source Review (NSR), Title V, Agreed/Consent Orders, EPA/TCEQ investigations etc. Identified and fixed complex issues utilizing innovative approaches in conjunction with government agencies (e.g. Texas EHS Audit Privilege Programs). while significantly improving environmental performance; this proactiveness has helped save the plant over \$1 million in future environmental compliance costs.

Valero Energy Corporation

Senior Environmental Engineer

December 2013 - May 2015 (1 year 6 months)

Port Arthur, Texas

Environmental lead at a Fortune 500 Company for all issues at the \$billion + Hydro-cracker unit (Complex 6) in the 7th largest refinery in the United States. Carried out Title V reviews, identified and coached operations to minimize deviations. Conducted Air Permitting, Root Cause investigations, and upset reporting. Prepared EPA reports for NSPS J and Ja. Integrated environmental interns into the department. Audited other Valero refineries to ensure compliance.

Lead for the EPA's key regulatory requirement, NSPS Ja, for the site's 10 flares and the Flares program. Key part of high level team involved in a \$12 million+ project to install continuous monitors to enhance emissions monitoring. As site's flare lead, prepared reports, trained operators and devised monthly and quarterly flare metrics for Port Arthur with the corporate group to enable flaring minimization. Environmental subject matter expert in Management of Change (MOC) and Process Hazard Analysis (PHA).

Flint Hills Resources

Flare Consent Decree Lead

December 2012 - December 2013 (1 year 1 month)

Port Arthur, Texas

Primary technical lead from the environmental end for one of the biggest privately owned companies in the world (Koch) at the Port Arthur site on the Consent decrees for Flares. Worked with Plant Process lead, Corporate Environmental lead, FHR lead attorney, Plant Management and Third Party consultants to assist FHR with getting maximum operational flexibility within the constraints of a consent decree with the EPA. Items negotiated included Steam to vent gas (SVG) ratios, Net Heating Value at Combustion Zones (NHVCZ), Data review based on Passive Fourier Transformation (PFTIR) tests to determine destructive reduction efficiency (DRE), Flare gas recovery (FGRU) performance assessments, etc. Also responsible for Ethylene Maximum Available Control Technology (EMACT) reporting, Hazardous Organic NESHAP (HON), Air Permitting, Fence-line Monitoring and Greenhouse gases.

ERM

Principal Consultant

October 2010 - October 2012 (2 years 1 month)

Mumbai, India

Started and staffed the Air and Climate Change group in India from scratch. Provided over \$500K worth of consulting services with the new team. Lead the ERM India team in a collaborative effort with ERM North America and carried out Emissions Inventories of over 1000 upstream sites of Chevron. Provided advisory, modeling and other air quality related services in India, Australia and the United Kingdom. Companies consulted for included Chevron, GSK, Talisman Energy, BHP, Tata Global Beverages, etc.

As the Sustainability lead, I was trained as a Climate Change Validator by ERM Certification, Validation/ Verification services (CVS) group at Oxford, UK to conduct third party audit services on behalf of the United Nations (UNFCCC) as a part of the Clean Development Mechanism (CDM) program. Thereafter, I conducted successful validations in Philippines and Saudi Arabia. Gained experience with Sustainability reporting using GRI G3 requirements and in Lifecycle assessments. I was actively involved with the ERM Foundation which supported low carbon projects and was 1st place winner within all of ERM's 140 offices for the project that my team led.

Sage ATC Environmental Consulting

Senior Project Manager

July 2006 - September 2010 (4 years 3 months)

Houston, Texas Area

Formerly, Sage Environmental . My most significant success in Sage was when I set up the Indian operations from scratch while managing high level environmental projects in the US. I grew the India team and managed six employees over a 3 year period which included 2 full time Chemical Engineers and a full time Environmental Engineer. Average profitability of the Indian division of Sage was over 125% annually between 2007 and 2009.

Managed over \$2 Million of total revenues in multiple Environmental Health and Safety (EHS) projects for Petrobras, Chevron, Valero, Marathon, Total, LyondellBasell, BP, Anadarko, Solutia and Sunoco Chemicals. Over 50 different individuals including engineers, managers and accountants were involved in my projects over a 3 year period. I was also a part of an elite team that conducted the largest known comprehensive environmental audit (Over \$9MM effort) at BP Texas City Plant (Now Marathon owned) after the Texas City blast in 2005.

Finally, in this time-frame, I was also the President of the Air and Waste Management (AWMA) Gulf Coast Chapter in 2008 and the Director in 2006 and 2007.

TRC Companies, Inc.

Environmental Specialist

June 2001 - July 2006 (5 years 2 months)

Houston, Texas Area

Formerly RMT Inc prior to acquisition. Senior Air Quality Specialist on various air quality projects. Independently carried out projects involving Title V, New Source Review (NSR) Permitting, MACT and HON reporting. I was also the Internal Health and Safety leader for the RMT's Southwest region, managing over 40 employees in Houston, Beaumont and Nederland. In this role, I developed my Safety expertise and was lead for safety related programs under OSHA including contractor safety trainings, quarterly training audits, maintaining employee H&S training profiles, etc. Significant exposure to ISO 14001, OSHAS 18001 and Process Safety Management rules under 29 CFR 1910.119.

COUGAR INVESTMENT FUND, L.L.C.

Portfolio Manager

August 2004 - December 2005 (1 year 5 months)

University of Houston

Selected through rigorous formal application and interview process to manage a hedge fund portfolio with assets of \$5 million, requiring a 20 hour commitment per week. Used discussions & research along with screening and discounted free cash flow methods to forecast future performance based in intrinsic value calculations. Identified new investment opportunities, monitored performance of Fund investments, evaluated portfolio risk metrics and ensured compliance with the Fund's due diligence procedures. Carried out final buy/sell decisions based on Team meetings. Presented Fund aspects at Annual Investor's Meeting. Helped manage a team of three investment analysts concentrating on value stocks with market cap under \$5 billion. Exceeded S&P 500 (primary benchmark) by 408 basis points, Russell 3000 and Lipper Multi-Cap Core (secondary benchmarks) by 287 and 77 basis points, respectively.

Texas A&M University-Kingsville

Graduate Research Assistant

August 1999 - June 2001 (1 year 11 months)

Modeled and prepared report on water quality in the Lower Rio Grande Basin using EPA tools. This unique project was a key factor in the environmental department obtaining a \$5 Million Total Maximum Daily Load (TMDL) project awarded by the Texas Commission on Environmental Quality (TCEQ) for the same basin

ALCOA

Intern

May 2000 - August 2000 (4 months)

EHS Intern working on safety projects for the Point Comfort site.

Haldia Petrochemicals Ltd

Process Engineer

1998 - 1999 (1 year)

Process engineer assisting with the commissioning of the Naphtha Cracker Unit

Education

Harvard University

Masters in Liberal Arts, Sustainability · (2015 - 2018)

University of Houston, C.T. Bauer College of Business

MBA, Finance · (2005)

Texas A&M University-Kingsville

MS, Environmental Engineering

Maharashtra Institute of Technology

B.E, Petrochemical Engineering · (1994 - 1998)