

SOMSHEKHAR KUNDRAL, PE

Education

MS – Environmental Engineering, Florida International University, 2010

BS – Civil Engineering, Visvesvaraya Technological University, 2005

Professional Licenses

Professional Engineer – Florida (License No. 83666)



Professional Experience

Somshekhar (Som) Kundral has over 12 years of broad and diverse environmental engineering experience that includes projects in landfill redevelopment, landfill gas management system design, site assessment, groundwater remediation system design, storm water management, Injection Well System Construction and permitting, compliance reporting and construction administration services, and O&M of remediation systems. Som has served from small to multimillion-dollar projects with clients from both public and private sectors. Som is well known at FDEP, SFWMD and DERM.

Countyline Corporate Park, Hialeah, Florida, Program Manager

Countyline Corporate Park is an approximately 500-acre former construction and demolition landfill, which is being redeveloped into Business Park with 8 million square feet of Class A warehouses, office and industrial space. Groundwater contamination has been documented migrating offsite and had to be addressed. Have been involved in various capacity since the planning and design stage, and currently serving as a Project Manager for the Environmental Discipline.

- Performed groundwater assessments and prepared assessment reports, remedial action plans, corrective action plan addressing air, soil and groundwater contamination, and reviewed groundwater modeling reports
- Conducted feasibility study for groundwater treatment system
- Design and oversight of groundwater remediation system and methane gas management systems
- Provided technical assistance to support variance from the local code for the integrated stormwater and groundwater remediation system
- Prepared monitoring programs for stormwater management systems to evaluate the impacts of remediation system on the capture zone
- Prepared engineering control plans, construction completion certifications and NFAC closure in accordance with local regulations.

Sole Mia (formerly known as Biscayne Landing), North Miami, Florida

SoLe Mia is an approximately 183-acre former Class I municipal landfill, which is being redeveloped into residential, industrial and Commercial Park. Environmental challenges included managing contaminated groundwater migrating offsite and into the federally preserved mangroves. The operation of the remediation system allowed for the commencement of a \$4B site development of which two towers with 188 luxury apartments, a seven-acre man made crystal lagoon and Costco.

- Served as Project Manager for a 200-acre mixed use development project on a former Class I municipal landfill involving design, permitting, construction, and operation for Phase 2 of a multi-million groundwater remediation system for a 200-acre Class I landfill
- Prepared monitoring program for the overall site to monitor the hydroperiod of wetlands, groundwater levels and quality to evaluate the impacts of groundwater remediation system
- Prepared remedial action plans, gas monitoring reports, water quality reports, and managed O&M of the groundwater remedial system
- Prepared landfill closure permits and water use permits

Olinda Park, North Miami, Florida. Industrial Hygiene Site Representative. Olinda Park is an approximately 7.5-acre public park contaminated with heavy metals and PAHs in soil. Assisted in a soil remediation and park amendment design and construction project for the 3.74-acre of public park with contaminated soil containing heavy metals and PAHs.

- Delineated different work zones for construction in hazardous waste site based on hazard analysis and administered contractor's health and safety practices
- Monitored employee exposure to air-borne contaminants and collected personal air samples and perimeter air samples for PAHs, dust, metals, and dioxin/furans
- Reviewed air sample results to assess exposure and offsite migration and worked with supervisor to recommend best management practices to the construction manager
- Coordinated with regulatory agency, stake holders and subcontractors

Phase I and II Environmental Site Assessments, Various Clients, Miami-Dade County, Florida

- Conducted Phase I Environmental Site Assessment (ESA) for visual evidence of 'Recognized Environmental Conditions' in accordance with ASTM E1527-13. Reviewed applicable federal, state, and local environmental databases, conducted required interviews, and prepared Phase I ESA reports. Phase I ESA includes investigation of the current and past history and uses of the property to determine conditions that are indicative of releases of petroleum or hazardous materials or chemicals at the site, now or in the past.
- Performed site assessments for commercial and industrial facilities related to petroleum compounds in soil and shallow groundwater; heavy metals and pesticide contamination in soil, and chlorinated solvents in deep groundwater and prepared assessment reports for senior review.

Environmental Permitting, Various Clients, Miami-Dade County, Florida

- Prepared state and county air construction and operation permit applications for fiberglass boat manufacturer, printing presses, generators and developed emission calculations.
- Prepared industrial waste permit applications and prepared engineering report to support facility operations.

Stormwater Pollution Prevention Plans Updates, Miami-Dade County Aviation Department, Florida

- Inspected industrial facilities at the Opa-Locka Airport and Kendall-Tamiami Airport and prepared the update of the Stormwater Pollution Prevention Plans.
- Worked with facility managers and provided recommendations of best management practices

Miami - Dade Water & Sewer Dept. (MDWASD), Miami, Florida.

- As an intern, collected samples and performed analytical laboratory tests; assisted in monitoring unit operations and troubleshooting
- Conducted feasibility studies and pilot tests to optimize the operation at South District WWTP
- Contributed inputs to master plan document and standard operation manual