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| **Graduation cap with solid fillEducation** BS, Biosystems Engineering **Diploma with solid fillLicenses & Certifications** Professional Engineer – Florida No. 82852  40-hour OSHA HAZWOPER Training  8-hour OSHA HAZWOPER Refresher  **Checklist with solid fillAbilities & Experience**   * Implement and interpret biological and/or water quality monitoring data * Groundwater flow analysis and/or contaminant fate and transport analysis * Scientific and engineering analysis * Direct participation on groundwater restoration projects * Involvement and understanding of the petroleum cleanup regulatory process * Direct participation in authoring documents |

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| **Kollan Spradlin, PE, CHMM**  Professional Engineer | | | | | 12  Years of Experience |
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| Kollan has experience in project management, engineering services support, and environmental consulting throughout Florida. His expertise includes ESAs, hazardous materials, geotechnical explorations, soil and groundwater contamination delineation and treatment, landfill operations, leachate management, and compliance reporting. His experience as a state regulator in Alabama introduced him to waste management and a variety of remediation techniques used at large-scale industrial facilities. As an engineering consultant in Florida, he has focused on assisting clients achieve their goals by applying lessons learned as a regulator. This has resulted in being well practiced in the major federal environmental regulations with a specialization in solid and hazardous waste management in the Southeastern United States. Kollan manages a team of technical professionals that provide consultation to private and municipal clients across the Southeastern United States. | | | | | |
|  | **Relevant Experience** | **12** years Petroleum Cleanup | **12** years Environmental Site Investigations | **12** years Active Environmental Remediation | |

Repair of Eight Bridges. During the repair of eight bridges that entailed the replacement of all bridge decks provided environmental consultation, sampling, and oversight services included sampling related to the removal of an unregistered Underground Storage Tank discovered during construction, and the observation and oversight of arsenic and polycyclic aromatic hydrocarbons (PAH) contaminated soil removal and disposal. Coordinated and also conducted field activities and reporting in addition to his project management responsibilities for environmental activities.

Riverfront Development. Consisted of constructing a lawn area for public recreational purposes and kayak launching in a former barge construction yard. A soil management plan had previously been developed for the site. oversaw the project team that followed a Soil Management Plan for creosote timbers and soil impacts included surficial soil sampling and the installation of engineering and/or institutional control to limit exposure to the public. A soil sampling grid for the contaminated soil area was developed in accordance with the soil management plan. Oversaw composite soil sampling field activities according to applicable rules and regulations.

Environmental Assessment, Operating Retail Petroleum Facility. The facility had received a notice of violation following an inspection that revealed that seven of the diesel pumps were leaking product. Conducted fieldwork and coordination with stakeholders to bring the facility back into compliance and soil sampling using direct push technology, monitoring well installation, and groundwater sampling. Field work and environmental investigations were submitted to the state regulatory agency.

Coke and Tar Facilities. Facility produced coke for the local steel industry and piped the tar byproduct to an adjacent tar facility. The tar was used to produce construction material. Both facilities operated well before the formation of environmental regulations, and contain polyaromatic hydrocarbons (PAH), VOCs, and SVOCs in soil and groundwater. In addition, historic contamination had impacted a nearby creek. Oversaw regulatory actions and provided engineering and design recommendations for the characterization, remediation, environmental monitoring and closure of the sites.

Road Widening UST. Road widening as well as burying existing utilities within the construction easement resulted in discovery, during utility burial activities, of two unregistered USTs. Provided environmental sampling, oversight and recommendations for one 6,000-gallon tank. An additional 500-gallon UST associated with a historic auto-maintenance facility was discovered during road construction activities. Provided project management services including communicating between the stakeholders, scheduling and selecting subcontractors, removal sampling and reporting.