

Statement of Qualifications

IKON Environmental Solutions, LP



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IKON Environmental Solutions, LP (IKON) was founded in Houston, TX in 2009 to serve the growing demand for a highly qualified environmental and heavy-civil contractor. IKON offers proven safety performance; a proven project delivery team with a combined 200 plus years of relevant experience; and unmatched financial strength and stability. IKON self-performs a large majority of the services to insure a safe and cost-effective approach is achieved for all its projects. IKON is a licensed contractor in the State of Texas and a registered Historically Under-Utilized Business (HUB).

Qualifications

Since 2009, IKON has been providing its clients with unique solutions to their environmental and construction needs. Our success is built upon providing safe, practical, cost-effective solutions to environmental challenges. Our dedicated managers (each with over 30 years of experience) and employees allow IKON to provide integrated turnkey services ultimately reducing costs and streamlining project schedules. IKON provides a full spectrum of industrial and environmental resources and services utilizing a large fleet of company-owned heavy equipment. To complement our primary resource of personnel and excavation equipment, IKON has the expertise to manage the transportation of hazardous material through third party transporters, fully permitted by appropriate local, state and federal regulatory departments. IKON has access to landfills and TSD facilities throughout the nation, and approved alternate disposal or recycling facilities. This combination of personnel and assets offers the optimum solution to our clients' construction, remediation, transportation, disposal and other environmental needs.

Our staff is supplied with the tools, equipment and support necessary to give our clients the best available in remediation, construction and waste disposal services.

- Environmental Remediation – Hazardous/Non-Hazardous Impacted Material
- Decontamination/Dismantlement/Demolition/Decommissioning
- Heavy-Civil Construction
- Geotechnical Construction – Ground Stabilization/Improvement, Barrier Walls, Earth Retention
- Land Clearing & Restoration
- Dredging and Sediment Remediation
- Hazardous Waste Transportation and Disposal
- Wetlands Restoration
- Earth-Moving
- Cap and Containment Systems
- Storm Water Management – Erosion and Sediment Controls
- In-Situ and Ex-Situ Services





Safety



Work Safe. Home Safe.

IKON holds safety as a core value and our operational excellence goal is to ensure all projects have zero incidents. IKON holds an unwavering commitment to the people we employ and the communities that we serve. We recognize that by working at our client's sites we are not only serving them, but also serving their customers, neighbors and regulators. IKON brings a behavior-based safety culture to all its project. This culture is founded on the premise that nothing matters more than safety. Our expectations are that all employees choose to work safely. We listen to, and act upon, any idea that makes people safer. This environment also requires that people exercise their responsibility to look out for one another and to question, pause, or **Stop Work** activities that are unexpected or potentially unsafe. We value people who place safety over schedule and cost, and actively engage workers, subcontractors, and others to share ideas about how to make work activities safer.

Effective leadership is crucial to the success of our safety culture. At IKON, safety leadership begins at the top and permeates through the entire organization. This is evidenced by IKON's outstanding EMR safety metrics of 0.71 and a TRIR of 0.0 and are the results of continuous commitment to instill a culture of safety at all levels of project planning and execution. This is further confirmed by IKON's ISNetworld Average Rating of "A".

Collect. Verify. Connect.
ISNETWORLD.COM



Resources

IKON's leadership embraces a philosophy of operation excellence and continuous improvement where all facets of the company are openly evaluated with the goal of achieving sustained improvement. This top-down philosophy relies upon innovation, problem-solving, teamwork and leadership to maintain a focus on our clients' needs, while also keeping our employees empowered and engaged in their work. IKON's personnel are our most valuable resource. Our distinguishing range of personnel and equipment allows IKON to function as a full-service general contractor or as a specialty subcontractor. IKON has the personnel and equipment available to perform virtually any type of remedial service in a safe and cost-effective manner.

IKON projects are supported by an experienced and fully trained staff including, project managers, field supervisors, field technicians and support personnel including health and safety. IKON employees dispatched to hazardous projects are certified to have received a minimum of 40 hours of Hazardous Waste Operations training in accordance with 29 CFR 1910.120.

IKON's centralized Project Delivery Team (PDT) provides uniformed project controls governance, procedures, tools, and resources for all our projects. As part of the PDT, our project controls team supports our projects with multiple services including performance analysis, earned value management, productivity tracking, cost management and analysis, schedule tracking and analysis, and change management controls. IKON applies robust tools to provide its clients with prompt, accurate performance data for their projects.



IKON's project teams along with full-time support from PDT is prepared and fully capable of ensuring timely, reliable, and consistent development of estimates, schedules, management of the performance baseline, and performance reporting for all its project. Baselines enables us to accurately measure cost, schedule, and physical progress and proactively identify and manage change in coordination with our customer. This performance baseline is also essential to manage the project contract to avoid delays and eliminate surprises. IKON develops project control reports for review with our customer's team on a weekly and/or monthly basis.

The PDT's sole function is to ensure that all IKON projects receive uniform, standardized project controls governance and support across all areas of project controls, estimating, equipment management, and quality. Our robust systems of estimating, planning, tracking, and reporting to support all of customer's expectations for project controls to deliver the most efficient and budget-conscious project.

Financial

IKON is a privately-held company with well-established long-term relationships with various banking institutions, insurance companies and bonding providers. Our private ownership continues to invest in the necessary resources required to ensure safety above all else. IKON is well capitalized and use our resources to reinforce our unwavering commitment to safety by investing in every resource, tool, and type of training to ensure a safe working environment.

Select Project Experience

Stabilization, Cap and Cover Project, Petrochemical Company In Plant Disposal Impoundments Texas City, Texas

IKON recently completed a stabilization, cap and cover project associated with over 8 acres of low-strength, saturated petroleum waste basins. A series of 4 waste basins had been consolidated, the subgrade strengthened, and capped with compacted fill prior to installing a multi-layer ClosureTurf® system. The project consisted of utilizing earthen sumps, bleeder trenches and stabilization reagents along with high-strength geotextiles and geo-grid to strengthen the subgrade. As the subgrade was completed, IKON utilized approximately 45,000 cubic yards of onsite borrow soil along with approximately 15,000 cubic yards of import clayey fill to build and shape the compacted earthen cap.

As the earthwork for each of the basins received compaction and design certification, IKON worked with a third party liner installation company to install a geocomposite, 60mil textured HDPE liner, gas vents and ClosureTurf® system. Along the outer perimeter of the combined basins, IKON installed geotextile and stone in order to stabilize the outer slopes. An outfall extension was installed and routed a county ditch completing the flow through design of the capped basins. The dewatering and subgrade stabilization activities extended throughout the winter months requiring dedicated and deliberate work sequencing.



Rehabilitation of Activated Sludge Land Treatment Unit - Manufacturing Facility La Porte, TX:

IKON was contracted to perform this rehabilitation of an active sludge land treatment unit at a confidential chemical plant manufacturing facility located in La Porte, Texas. IKON treated approximately 50,000 cubic yards of process waters sediment with dry reagent (Fly Ash). The treatment unit consisted of a pond approximately 8.0 acres. Sediment in the unit ranged from 2 ft. to 8 ft. in thickness. IKON spread the delivered fly ash pneumatically through a dust suppression apparatus in a known grid calculated at around 10% fly ash to sediment ratio. Once the fly ash was deployed, IKON homogenously mixed the sediment with the fly ash using the excavator bucket. Once thoroughly mixed, material was generally moved into a stockpile to let the material set-up. Once stabilized and additional time allotted for moisture reduction the material was loaded and hauled to a licensed Houston Area Landfill. Bottom of treatment unit was finished with blading with an LGP Dozer.



TXDOT - A-9 Detention Pond Remediation - Houston, Texas

The Texas Department of Transportation acquired a 10-acre piece of property to construct a storm water detention basin along White Oak Bayou. During the assessment of the property it was determined that the site had been a cotton seed oil mill in the early 1900's. Over the years the site had been filled in with debris and incinerator ash to bring the site to a usable grade. IKON was contracted by Tetra Tech to remove the fill material from the site prior to the construction of the detention basin. Under guidance from Tetra Tech, IKON excavated over 100,000 cubic yards of soil and debris contaminated with petroleum hydrocarbons, heavy metals, and PCBs. The total project had a volume of approximately 125,000 cubic yards of soil moved off site for disposal and recycling. IKON shipped out over 2,000 cubic yards of soil per day to a local soil recycling facility in Houston. The project involved the removal of approximately 4 acres of 12" thick concrete, numerous equipment and building foundations and sumps.

TCEQ Hall Street Superfund Site - Dickinson, Texas

The Hall Street Superfund site began accepting unpermitted wastes in the early 1960's. The facility primarily accepted wastes characteristic to chemical manufacturers. Waste materials were disposed of in shallow pits or on the ground. Drums containing wastes were buried in shallow ditches and later covered with soil. In 1987, Hall Street became one of 10 sites to make it to the first TCEQ Superfund Registry. IKON was awarded the contract to assist the TCEQ consultant in the removal of the contaminated soils. Hall Street was located in Dickinson, Texas and included the excavation, removal and backfill of 9,800 tons of Class 1 non-hazardous soil. IKON completed the project three (3) weeks ahead of schedule and under budget.

NORM/NOW WASTE EXCAVATION - Confidential Oil & Gas Client - Conroe, Texas

IKON was contracted to remediate four (4) former oil and gas sites in Conroe, Texas. The project required the coordination of team members and multiple locations to insure the project met critical milestones and budget requirements. Each location had various contamination, including but not limited to NORM (natural occurring radioactive material) contaminated soils.



To ensure only NORM soils were excavated and disposed under the NORM regulations, special precautions and techniques were implemented. A pancake probe and meter were used to measure in counts per minute (CPM) to check for contaminated components as well as all personnel and equipment inside the working exclusion zone. Special decontamination and clearance procedures were implemented to prevent any migration of contamination outside this zone.

Utilizing a one-inch scintillation probe detector and meter combination, the work area was checked before and after excavation. The project required all safety precautions for cross-contamination and the use of modified Level D PPE gear for project personnel and the development of a site-specific HASP.



Approximately 1,200 CY of NORM waste was loaded and transported to US Ecology Landfill located in Grandview, Idaho. Logistics for using this facility was economically efficient than other alternatives. The NOW waste, approximately, 2,800 CY was transported and disposed at the Waste Management Coastal Plains Landfill in Alvin, Texas.



Former Oil Refinery - Gainesville, Texas

IKON conducted a response action and NRDA restoration implementation at a Former Oil Refinery in Gainesville, Texas. The project included the construction of wetlands/aquatic, woodlands and grasslands habitat totaling 132 acres. IKON constructed dikes, dams and concrete spillways for habitats requiring approximately 50,000 cubic yards of soil to be excavated and moved on site. The response action included the solidification/stabilization and excavation of 6,900 cubic yards of crude oil sludge. IKON solidified the sludge with fly ash utilizing a pneumatic dust filter to comply with a zero (0) dust mandate. Over 100,000 - cubic yards of impacted soil was excavated and placed in an on-site landfill.



IKON excavated and handled over 110,000-cubic yards of onsite soil to provide a cover system (cap) over the on-site landfill. The footprint of the cap was expanded twice during the project to handle the excess soils from the impacted areas. The project also included the



demolition of farm structures, construction of over 10,000 linear feet of fencing and 79-acres of re-vegetation.

Former Scrap Metal Facility - Hagerstown, MD



IKON was contracted to perform site remediation at a former scrap processing facility in Hagerstown, Maryland. The project was completed in three separate phases with the first being a response action to remove previously stockpiled hazardous and non-hazardous materials. The second phase was the demolition of the existing buildings and process equipment onsite. The third phase of the project included the solidification/stabilization and excavation of 6,900 cubic yards of lead contaminated

sediment from a storm water holding pond. IKON solidified the sludge with Portland cement prior to the lead stabilization activity. Zero fugitive dust was emitted during the solidification portion of this project utilizing a company owned pneumatic dust filter. IKON utilized a stabilization agent to treat the lead impacted sediments from levels over 20 mg/L TCLP to less than 0.10 mg/L TCLP allowing the material to be recycled as road base. The State of Maryland granted approval for the recycling of the stabilized material through a soil recycling contractor located in Maryland. The stabilization of the waste saved our client over \$700,000 in waste transportation and disposal costs.



Gypsum Stack Pond Construction and Cap System Install – Pasadena, TX

This project was performed to reduce the amount of storm water infiltrating through a gypsum stack. The project consisted of constructing an 8-acre lined storm water containment cell on a gypsum stack in Pasadena, Texas.

The project also included the construction of an engineered cover system, gravity leachate collection system, drainage improvements, and access roads. The project was a gypsum stack consisting of the waste material from historic fertilizer production operations. Over 530,000 square feet of base grading was performed utilizing 22,000 cubic yards of gypsum. The installation of 1,728 linear feet of leachate collection piping (4-inch to 12-inch pipe); placement and compaction of 17,833 cubic yards of imported clay and topsoil; installation of 27,550 square feet of access roads; installation of storm water conveyance systems (i.e., catch basins and under-drains).

TCEQ – Rogers Delinted Cotton Seed Co. Superfund Site, Colorado City, Texas

IKON treated approximately 8,000 cubic yards of low pH soil (~1.5 pH) impacted soil with Quicklime pellets (Non-hydrated lime). The site consisted of a pond approximately 2.5 acres in size. Soil material in the



pond was approximately 20-inches thick. IKON spread lime pellets metered through an Ag Spreader and mixed into the soil with a Road mixer/Soil Stabilizer Bomag 100S. The pH was increased to approximately 5.0, which was the target pH value. Once the soil mixing was completed and the target value was achieved, IKON capped the 2.5 acre pond with approximately 6-inches of cover material from an on-site borrow source. Along with the soil mixing, IKON excavated, transported and disposed of approximately 420 cubic yards of aluminum soil and site debris.

Other notable projects include:

➤ **GB Biosciences -Hazardous Waste Impoundment – Houston, Texas**

Project involved the solidification of 5,000 cubic yards of waste in the storm water pond and placement in the hazardous waste impoundment. The waste was solidified with Portland cement. The impoundment was capped in accordance with Subtitle C regulations for hazardous landfills.

➤ **Waste Pile Closure – Pasadena, Texas:**

This project consisted of constructing an eight (8) acre lined storm water containment cell and an engineered cover system, gravity leachate collection system, drainage improvements, and access roads. The site was a gypsum stack consisting of waste materials from a historical fertilizer production operation. The project included over 530,000 square feet of base grading consisting of over 22,000 cubic yards of gypsum; Installation of 1,728 linear feet of leachate collection piping (ranging from 4-inch to 12-inch pipe); Placement and compaction of 17,833 cubic yards of imported clay and topsoil; Installation of 27,550 square feet of access roads; Installation of storm water conveyance systems (i.e., catch basins, rock dams and under drains).



*****Additional information requests are available by contacting Dave Lamar at 713-851-4486 or email at dlamar@ikonenviro.com.***