

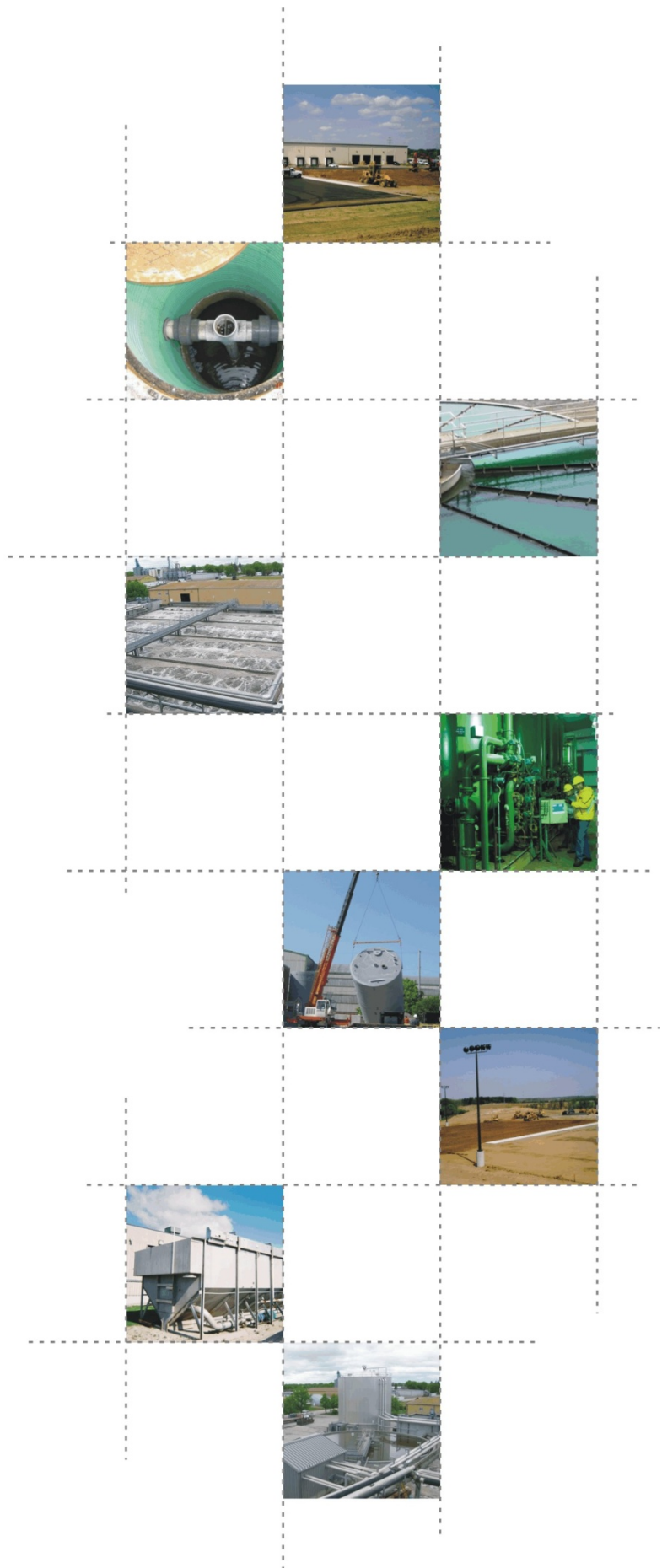
STATEMENT OF QUALIFICATIONS

Food & Beverage Industry
Experience



aetherdbS
elemental design build solutions

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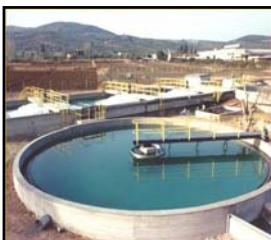
With engineering, construction, management, and manufacturing capabilities and expertise, **aether dbb** brings world class, reliable, cost-effective solutions to our client's air, water, energy, infrastructure, and environmental projects. **aether dbb** specializes in the engineering and installation of sustainable solutions and modular process systems for food and beverage clientele. Whether we are called upon to design a wastewater treatment plant, increase water re-use throughout the production process, or construct facility upgrades, **aether dbb** delivers results with our extensive experience and innovation. Our engineering and construction staff work hand-in-hand to ensure your projects run smoothly from beginning to end. Whether it's initial planning, system and site design, or installation and construction, **aether dbb** makes sure that your projects are completed on-time, within budget, and deliver the results you expect.



aether dbb brings the essential elements of people, talent, technology, and action together to deliver value for your complex problems. We deliver quality services, minimize costs, accelerate schedule, and work safely. We manage and monitor every item on your project's critical path and orchestrate the hundreds of components, items, suppliers, and services required to complete the job.



Furthermore, our turnkey solutions provide our clients with a single point-of-contact, mitigating subcontractor risks and minimizing field changes. All of which result in greater savings and fewer headaches for you.



Every project **aether dbb** undertakes has environmental impacts. We are diligent in managing ours, our clients, and our earth's resources in an environmentally conscious manner and constantly seek out ways to increase sustainability in every client engagement.



aether dbb is flexible with various contract delivery mechanisms and comfortable with traditional, risk-shared, or alternative project delivery contracts. We realize our client's needs are complex and crucial for efficient business operations. It is always our goal to exceed our client's expectations and we invite you to realize success with **aether dbb** on your next critical project.

Facility Design/Build - Massillon, Ohio



After completing the initial Phase I Environmental Site Assessment, Aether was responsible for the design and construction management of changes to an existing building for use as a regional distribution center. Project activities included interior building modifications, relocating the loading docks, adding a gatehouse and secure fencing, and designing and building new asphalt parking lot. Critical to the projects was the design of stormwater systems that would provide storage for onsite runoff, calculated to hold the 100 year, 24 hour storm. This included detention ponds, catch basins, stormwater piping, and inlet and outlet structures.

Wastewater Treatment Alternatives Evaluation, Sara Lee - Traverse City, Michigan

Aether acted as the engineer for identification and evaluation both short-term and long-term system improvements that would increase the BOD and solids removal efficiency of the treatment system along with the system's hydraulic capacity.

Sewer Survey, Coca-Cola Enterprises, Inc. - Memphis, Tennessee and West Memphis, Arkansas

Aether created an updated set of facility drawings that represented current conditions at two separate sites. The existing drawings were reviewed and evaluated for accuracy versus observable conditions, both onsite and offsite. A variety of surveys were performed, including; visual observations, laser measurement, GPS, hose testing, dye testing, and camera inspection.

Wastewater Treatment System Assessment, Sara Lee - Tupelo, Mississippi

Project Manager for assessing the performance of the existing wastewater treatment system, identifying information needs for system improvements to improve oil and grease removal and enhanced BOD removal, and developing a strategy to negotiate industrial wastewater discharge requirements with the City of Tupelo. That information was utilized to develop a conceptual design and cost estimate for a wastewater treatment system that would ensure compliance with the City's discharge requirements and decrease costs associated with wastewater treatment at the plant.

Confidential Food Processing Company - Michigan

Conducted preliminary design and financial feasibility study for anaerobic treatment systems for waste food solids and wastewater from this large industrial food processing facility. This plant primarily processes different varieties of vegetables. Anaerobic digesters were designed for approximately 11,000 tons/yr of vegetable solids and 1 million gallons per day of high BOD wastewater. Energy recovery via micro-turbine generators was also part of the facility design.

Family Tradition Foods - Tecumseh, Ontario, Canada

Designed and built an upgraded wastewater treatment system, using as much existing equipment as possible. Upgrade consisting of an equalization tank, a DAF unit, instrumentation, and piping reconfiguration. Prepared site, including leveling DAF area and layout arrangement. Provided on-site construction manager to ensure project proceeded smoothly. Provided and installed equipment, including DAF and DAT, 10,000-gallon polyethylene equalization tank, new pH probe and controller, caustic feed system, coagulant feed system, new flow meter and control valve. Oversaw modification of electrical and mechanical system. Tested



components of all systems and made one-day crossover. Prepared operation maintenance manuals for all equipment.

Groundwater Containment and Collection System, Kraft Foods, Inc. - Beaver Dam, Wisconsin

Managed all aspects of operations, maintenance, and monitoring of a groundwater containment system, collection system, and pretreatment facility at a former manufactured gas plant for two and one-half years. Responsible for bid documents, operation and maintenance manual revisions, inspections, and maintenance of a steel sheetpile wall and an asphalt cap to contain manufactured gas plant (MGP)-derived constituents. Collected and reviewed all data required to determine effectiveness of the system and compliance with local POTW and state regulations.

Wastewater Treatment System, PepsiAmericas - Riviera Beach, Florida

Aether was the Project Manager for the design-build of an industrial wastewater pretreatment system for pH adjustment of various wastewater streams. During the project Aether also managed the abatement of asbestos-containing materials (ACM) related to damaged vinyl floor tile (VFT) and mastic in the facility buildings.

Emergency Lighting Upgrade, Kraft Foods - Chicago, Illinois

Aether personnel acted as project engineer responsible for field location and identification of existing emergency lighting fixtures, egress lighting, emergency electrical panels, circuit identification, and conduit runs for Kraft's bakery in Chicago, Illinois.

Pepsi Cola General Bottlers - Twinsburg, Ohio

Engineered and managed design of wastewater treatment plant upgrade including closure of existing lagoons system, and installation of new pH adjustment, solids removal and handling equipment, and permitted sewer discharge. Retrofit was designed to be implemented while existing plant was operational, with virtually no lost time for start-up. New system will save operational costs associated with the existing lagoon system, and allowed the lagoon area to be used for additional plant expansion. Performed construction services for the decommissioning of the existing lagoon system following construction of the new wastewater treatment system.

Pepsi Cola General Bottlers - Cincinnati, Ohio

Investigated pH profile of various process discharges and designed new tank-based pH adjustment system for facility. Batch system is capable of handling up to 100,000 gpd, equalizing high-strength wastewaters to reduce peak loading on the sanitary discharge. Design included pipe routing, lift station design, tank system and chemical feed systems, controls and monitoring station, and discharge piping. New system was designed into existing floor space, maximizing use of elevated tanks and mezzanines, to minimize footprint of treatment system.

Pepsi Cola General Bottlers - Munster, Indiana



Conducted design study of storm water control system at Munster, Indiana bottling plant. Work included site inspection, work plan development, design and reporting. Also inspected facility and prepared updated SPCC for petroleum used within operating areas of three separate facilities in Indiana and Ohio.

**Pepsi Distribution Facilities Stormwater Design;
Kankakee, Illinois - Twinsburg, Ohio**

At two separate facilities, Aether was responsible for the design and construction of a new asphalt parking lot. Critical to the projects was the design of stormwater systems that would provide storage for onsite runoff, calculated to hold the 100 year, 24 hour storm. This included detention ponds, catch basins, stormwater piping, and inlet and outlet structures.

Pepsi Americas - 51st Street Bottling and Distribution Facility - Chicago, Illinois

Aether completed a concrete and asphalt repair and storm sewer investigation work at the 51st Street facility. The work included sawcutting, removing, and replacing: four damaged areas of concrete warehouse floor, one exterior, concrete, approach ramp and apron, and three areas of damaged asphalt surrounding catch basins. The work also included investigation of storm sewer pipes entering and exiting the three catch basins. The investigation consisted of jetting the pipes and using a video camera to inspect the condition of the storm pipes (pipe collapse was suspected).

**Pepsi Americas Stormwater Maintenance;
Cleveland, Ohio - Elyria, Ohio**

At both of these facilities, a catch basin was demolished, removed, disposed of, and replaced with a new catch basin at the appropriate elevation to maintain positive drainage to the surrounding concrete and asphalt pavement without creating a significant depression in the final grade. Aether site personnel determined final elevation of the inlet. Before backfilling the area surrounding the catch basin, the subgrade for the asphalt was verified to be sufficient for the aggregate stone base for the asphalt. Soft areas were over excavated and fine graded compacted stone was used as backfill to bring the area to grade for asphalt placement.

