



Danville Sanitary District
WATER RECLAMATION FACILITY



DANVILLE SANITARY DISTRICT DISTRICT ENGINEER



THE COMMUNITY

Danville has a rich history dating to its incorporation in 1827. Beginning with its natural resources and river systems that were attractive to settlers and others for trade, it developed throughout the early years with a focus on railroads, coal mining in the area, and brick manufacturing. Danville serves as the County seat of Vermilion County and remains its largest community. Danville is conveniently located on the Illinois/Indiana State line along I-74 and the Dixie Highway (Illinois Route 1) with easy, day-trip access to metropolitan Chicago, Indianapolis, and St. Louis areas.



Like many other midwestern communities, Danville has transitioned from its days as a heavy-industrial community, to one with a more dynamic and diversified economy. Home to Danville Area Community College, there are quality educational opportunities for life-long learning in the area. The University of Illinois is 35 minutes west, Purdue University is about 1 hour northeast, and Indiana State in Terra Haute is 1 hour south of Danville.

Danville and Vermilion County offer tremendous recreational opportunities including Lake Vermilion for boating and fishing, Kickapoo State Park with its camping, canoeing, hiking, and biking trails, and numerous other City and County Parks that offer both passive and active enjoyment. Danville Stadium is a historical gem for baseball fans and the Danville Tennis Club in Lincoln Park has offered serves for decades. The multi-purpose recreational trail, Kickapoo Rail Trail has received final funding that will complete the connection of the Trail from Vermilion County Fairgrounds 30 miles westerly to the City of Urbana. Balloons Over Vermilion, Arts in the Park, and Festival of Trees are just a few examples of fun times! Our rivers and streams offer a unique topography for east-central Illinois and provide habitat where Bald Eagles are frequently viewed.

For younger families, the Danville and Vermilion County area offers numerous educational options, a full array of youth sports offerings provided through volunteer organizations. There is nothing like the energy and excitement on display at the Danville Area Soccer Complex on a Saturday morning. A way of serving youth creativity and imagination are youth theatre and arts programs. There are also numerous children's museums and other kid-centered attractions within a short drive to get there and back in the same day.



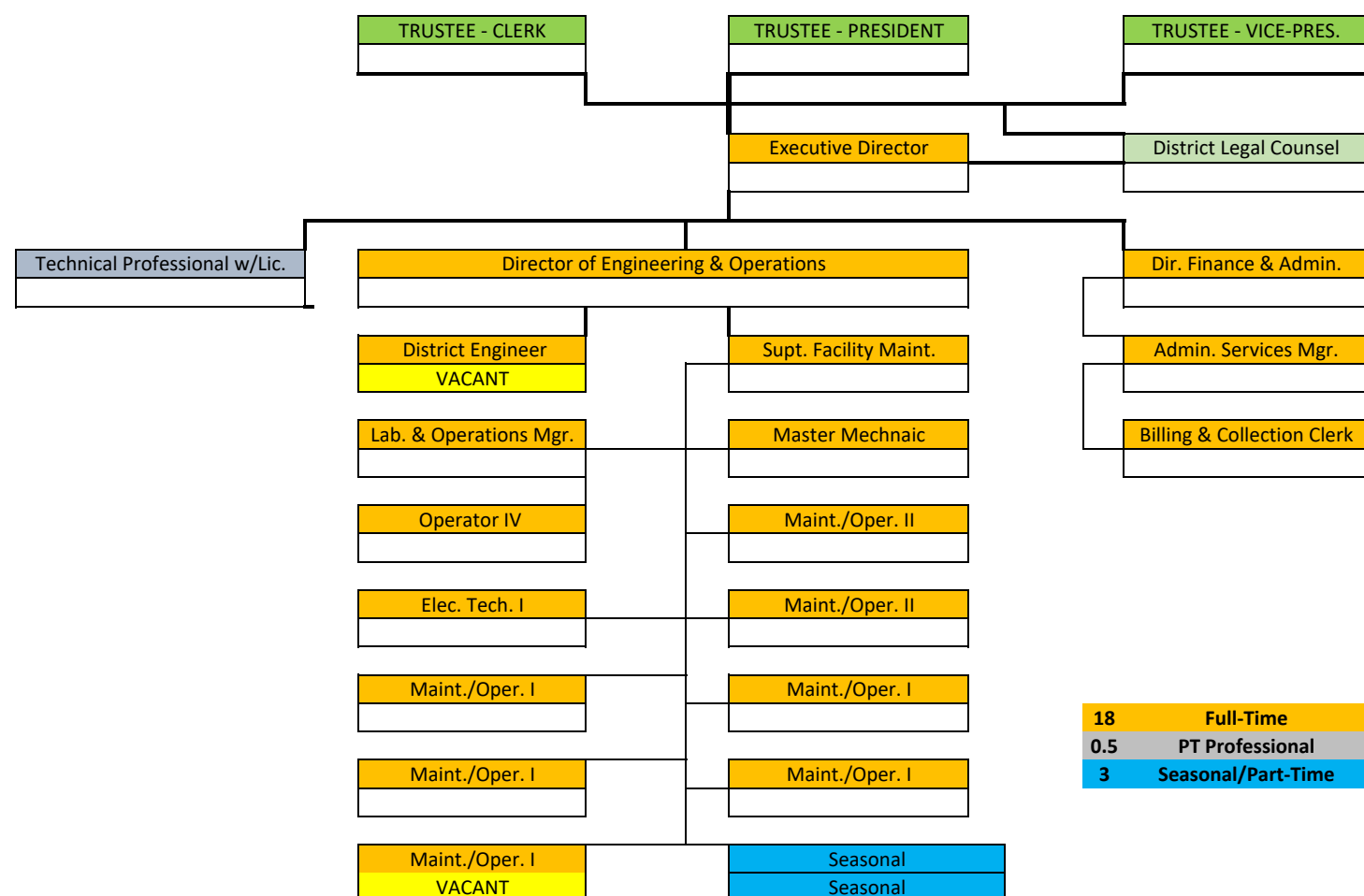
THE ORGANIZATION

Danville Sanitary District was created through a voter referendum in 1935. It is a "Special District" form of municipal government in Illinois. The district is separate from the City of Danville, and its governance is overseen by a Board of three District Trustees that serve 3-year terms. The Trustees are appointed by the Board Chairman of Vermilion County with the concurrence of the Vermilion County Board. The district is controlled and operates under the Sanitary District Act of 1917.

The original Publicly Owned Treatment Works (POTW) was placed into service in 1937. The district provides wastewater treatment for residential, commercial, and industrial customers within Danville, and a few customers outside the city. The facility is designed for average flows of 16 MGD and peak flows of 24 MGD. Current dry-weather flows tend to be around 6 to 7 MGD, peak flows can reach 30 MGD during more extreme weather events.

The district as an organization has a total of 18 full-time positions and a few part-time positions. The Leadership team includes the Executive Director, Director of Engineering and Operations, Director of Finance and Administration, and three Supervisors/Managers that assist in oversight of day-to-day activities. The district is implementing its succession and transition plan that results in the Executive Director position becoming available again in late 2027 to mid-2028.

ORGANIZATION CHART



THE POSITION IN BRIEF

The District Engineer is responsible for analyzing, planning, and managing major capital programs and facility/infrastructure improvements. Additionally, the position performs oversight of consultants, contractors, and other external parties including, but not limited to solicitation and procurement of contractual and professional services, implementation of District ordinance requirements, interaction regarding development/re-development projects in the service area, assistance with preparation of budgets, submission, and execution of grant programs. This position serves as a division head of the District for leadership, guidance, and accountability. At times, the position provides back-up for Superintendents, Director of Engineering & Operations, and/or Executive Director when necessary.



Engineering responsibilities performed and/or supervised by the District Engineer include:

- Organizing and maintaining a system for all District plans and specifications for ease of reference and preservation of documents.
- Recommends the needs of the district regarding hardware and software necessary for District to implement appropriate engineering design capabilities.
- Manage and utilize the District's CMMS system to prioritize asset maintenance and replacement.
- Serves as District lead in procurement and management of professional services related to Capital and other projects. Ensure Quality Assurance and Quality Control is appropriate for tasks.
- Perform engineering design services for minor projects within the scope of staff capabilities and capacity.
- Prepare bid specifications and manage the procurement of goods and services in accordance with requirements of the District Purchasing Policy.
- Coordinate, negotiate and satisfy all requirements of Federal, State, and Local agencies with jurisdiction over District facilities and programs including, but not limited to; EPA, IEPA, IDNR, FHWA, IDOT, ICC, Railroad Organizations, Vermilion County & City of Danville.

Financial responsibilities performed and/or supervised by the District Engineer include:

- Responsibility for coordination and evaluation of District asset values to ensure proper insurance coverage policies including, but not limited to, General Liability, Property & Vehicle Coverage and special coverages.
- Work with leadership team and others to continue development and implementation of a comprehensive Asset Management Program accounting for life-cycle costs and planned replacement of mission-critical components.
- Lead the Divisions participation in all fiscal planning, budget preparation and management. Especially focused regarding Capital projects and identified needs.
- Continually analyze and evaluate Division processes and programs to identify areas of desired improvement and opportunities for gains in efficiency and/or effectiveness.

Other responsibilities assigned to this position include:

- Preparing a division report and participating in monthly Board meetings, including project updates and other items to keep Board fully informed.
- Assist as necessary regarding processing of FOIA requests and informational items.
- Be knowledgeable and serve as a point of contact for District software, facility information, data systems, and other IT needs.
- Serve as District representative on community Boards, Commissions and Committees as assigned.

CHALLENGES AND OPPORTUNITIES

The district is currently implementing its "2035 Strategic Capital Improvements Program" that includes numerous plant upgrades, along with the development of a new SCADA System, and a focus on significant automation of the plant. Planning has already begun to accelerate the district's ability to operate the plant remotely, thereby having already eliminated the third shift staffing, other than storm events. The district is concluding Phase I at an overall cost of \$10,000,000 with Phase II now underway at an overall cost of \$25,000,000. The District Engineer will take on oversight of construction and project management and reporting responsibilities under the guidance of the Director of Engineering.

Phase III of the Strategic Capital Program calls for the installation of UV for disinfection, headworks improvements and final clarifier rehabilitations. This phase is currently under design and is expected to be constructed in 2027 or after.

With evolving Per- and Polyfluorinated Substances (PFAS) regulations, the current solids disposal scheme using land application of digested sludge may no longer be an option. Preliminary evaluations have concluded that the district has over 20 years of onsite storage for dried solids, if needed.

Energy reduction will be an ongoing challenge. The recent capital projects installed a biogas cogeneration and heat plant engine, high efficiency boilers, high efficiency turbo air blowers, and various pump optimizations. The district owns approximately 30 acres of non-contiguous farmland that has the interest of solar developers, and onsite property within the 100 years floodplain. Finding the best and highest use for these lands will be a near-term priority for the District Engineer.



MINIMUM QUALIFICATIONS

The minimum educational requirements for this position are:

- A bachelor's degree in civil engineering from an accredited University. Advanced degrees in multiple disciplines and/or specialized curriculum in wastewater/environmental beneficial.
- Minimum 5 years of process wastewater engineering experience.
- Previous management experience beneficial
- Registered as a Licensed Professional Engineer in Illinois, or the ability to obtain a registration for Illinois (Reciprocal) within six (6) months after date of hire.
- Experience in public regulatory compliance requirements and other relevant work experience beneficial.
- Experience with Capital Improvement/Project design, analysis, and implementation is preferred. Includes identification and solicitation of funding sources.
- Experience in a position with daily responsibility for concurrent development and management of multiple projects.
- Extensive related experience will be considered in lieu of these position requirements if they represent similar skills, knowledge, and levels of responsibility.
- Additional licenses or other designations/certification beneficial.
- Class I Illinois Wastewater License beneficial.
- Must possess a valid Illinois Class D driver's license without restrictions.

TECHNICAL SKILLS AND MANAGEMENT STYLE

- Is an inspirational leader for the Engineering team. Possess the ability to work collaboratively and empower staff by valuing their work and solutions for improvement.
- Possesses strong project management skills and has the demonstrated ability to deliver complicated projects on time and within budget.
- The ability to forge productive and harmonious relationships with a variety of stakeholders including customers of the district and private engineering firms.
- Possess advanced computer skills including proficient use of an engineering calculator, proprietary software, CADD, as well as Microsoft Office products such as Word, Excel, Outlook and other software programs.
- Possess advanced math and analytical skills to assist in daily engineering/project management activities, preparation of grant applications, short-term and long-term financial forecasting and similar concepts.
- Possess excellent interpersonal and communication skills both verbally and in writing. Includes the ability to prepare and make public presentations regarding District projects, regulatory matters and/or other items.
- Possess high-level problem-solving and decision-making abilities to include, compilation and evaluation of relevant data, current conditions and consideration of impacts to the district and stakeholders.
- Ability to multi-task on a continual basis, work in a fast-paced environment, address unanticipated task changes and refocus after interruptions.
- Capable of program and process analysis, including level of service standards, and have a demonstrated ability for recommending changes to improve efficiency and effectiveness.
- Direct ability to interact and negotiate with regulatory agencies and other organizations with jurisdiction over District matters.
- Offer creative solutions when problem solving. Be open to changing the approach to improve performance and efficiency.
- Possess the ability to work collaboratively and empower staff by valuing their work and solutions for improvement.
- Possess a sound understanding of the technical aspects of infrastructure improvements enabling successful completion of each.
- A record of continuing education and training to keep up to date with innovative management solutions and effective analysis methods.



COMPENSATION AND BENEFITS

The Danville Sanitary District offers a competitive benefits package. The starting salary range is \$115,000 - \$150,000 +/- DOQ and experience. Due to maintaining the public health importance of this position, the individual selected will be required to work daily at the Sanitary District Plant. Remote work would be infrequent. The position participates in the Illinois Municipal Retirement Fund (IMRF). Optional deferred compensation is also offered. Residency is not required but it is preferred that the successful candidate relocates within 40-45 miles of the District Office.

HOW TO APPLY

Interested candidates should apply online by Friday, June 7, 2024 with resume, cover letter and contact information for five (5) work-related references to www.GovHRjobs.com to the attention of Riccardo (Rick) Ginex, Vice President, GovHR USA/MGT; Tel: (847)380-3240, ext. 160.

The Danville Sanitary District is an Equal Opportunity Employer.

