

An Introduction to Elcon



Who We Are, What We Do and the Need We Serve

An Established Multi-National Company

Elcon Recycling Services, LLC is an industrial hazardous liquid waste stream treatment service founded to provide companies with a safe, environmentally responsible and sustainable solution for complying with environmental regulations related to hazardous liquid waste stream management.

Founded in 2003 and headquartered in Haifa, Israel - with construction underway in Belgium and plans to expand into Italy and the USA - Elcon has a track record of proven success. Our process has helped to keep hazardous liquid waste streams out of the environment and recycle it into distilled water for reuse. A second by-product of the process is non-hazardous salt. What makes our process unique is that the organic waste matter extracted from the hazardous liquid waste stream is transformed into energy and used efficiently in our processes, to further reduce the environmental footprint of our operations.

Many of the streams that we treat and recycle for our clients come from the manufacture of household and industrial products, including cosmetics and pharmaceuticals that are used on a daily basis by people around the world. Our services also provide critical support to the investigation and clean up of environmental contamination.

Our Proposed Site in Falls Township, PA

Elcon is in the initial phase of siting a facility at Dean Sievers Place in the Keystone Industrial Port Complex, in Falls Township, Bucks County, Pennsylvania.

The developed area of the site – on a portion of the former US Steel Fairless Works property – is 22 acres in size, zoned for Elcon’s operations and designated by Pennsylvania as one of 12 Keystone Opportunity Improvement Zones in the state. The state intended the site to encourage development of new industry and bring jobs to the area, which experienced the loss of more than 5,000 jobs in the 1980s and 1990s and is still struggling to recover.

The first phase of Elcon’s facility construction will be a 70,000 square foot building. We anticipate expanding it by another 70,000 feet to establish our US Headquarters, including research and development.



Preliminary Rendering of Elcon USA Recycling Services Facility

Serving an Existing Regional Need in a Sustainable Way

Elcon proposes to accept hazardous liquid waste streams from a variety of industries such as electronics and semi-conductor, pharmaceutical, chemical, metals processing, etc. No radioactive liquid waste streams or streams from oil and gas “fracking” will be accepted.

The majority of potential customers are located within the tri-state area of the Delaware Valley. Currently, their hazardous liquid waste streams are being transported by truck/rail car hundreds of miles to facilities utilizing technologies less sustainable and known to cause environmental issues, including deep well injection.

Our Innovative and Proven Technology

Elcon’s innovative technology is eco-friendly.

- No liquid waste is discharged by the process.
- Organic waste is transformed into energy that can be used by the process, resulting in a net energy savings.
- Air emissions will be 99.9% free of contaminants, or better.

Hazardous waste is separated from waste stream through a four-step process (graphic on back).

Elcon's 4-Step Process	
1	Waste stream is screened, stored in permitted storage tanks and pre-treated.
2	Solids and salts are removed from the waste stream and dried, then treated to remove the volatile organic compounds (VOCs).
3	The VOCs are removed from the waste stream as gases, and sent to the pollution control system for treatment. Energy created by the process is captured and recycled.
4	The end products are distilled water for reuse onsite and salts. Any remaining solids are sent to a licensed landfill for disposal.

A Technology Designed to Meet the Environmental Challenges of Today

Preserving Drinking Water Resources

The world's water supply is a precious and finite resource. Elcon's process has already helped to recycle hundreds of thousands of tons of hazardous waste streams for reuse in cooling towers and industrial process water. As a result, companies do not have to use drinkable water to meet their industrial needs.

Reducing Industries' Environmental Footprint

The organic content that comes from the waste streams act as their own fuel, which results in a process that uses less energy and creates a more efficient system. Any surplus energy created can be captured and sold to the electric grid in the future, pending availability.

No Discharge of Wastewater to the Delaware River, or Anywhere Else

There will be ZERO process discharge from Elcon's facility. Additionally, our site plans will include protective measures to manage storm water to ensure surface water from rain events and snow melt is properly managed and directed.

Minimal Air Emissions

Thermal oxidation technology for air pollution control is **not** waste incineration. No solids or liquids Air emissions from the plant will be well below Pennsylvania regulatory standards for air emissions from a non-residential source. The emissions will also meet the Federal National Ambient Air Quality Standards and Pennsylvania and New Jersey ambient air guidelines.

Benefits to the Local Economy

The development of a new Elcon plant in Falls Township would have a number of significant benefits to the local and regional economy.

- 150-200 jobs will be created during construction. Local union contractors and labor will be used.
- 55 -120 permanent jobs will be created by the facility's operations.
- Operations will serve as a catalyst for industry to expand or locate in the region as this type of facility is not located anywhere on the east coast.
- Elcon's services will enable surrounding industries to meet their environmental compliance requirements more efficiently and with a reduced environmental foot print, saving fuel and reducing emissions associated with the current long-distance transport of waste streams.
- Elcon's presence will add to the local and regional tax base.

Committed to Working with the Community

Since 2014, we have communicated extensively with hundreds of local residents, community groups and State organizations about our plans to bring our innovative and proven technology to the U.S.

Elcon has sought community engagement, and responded to concerns and input from the community by revising our plans to incorporate the feedback received, including: eliminating all discharge from our process technology, ensuring our buildings are built outside of the site's wetlands, agreeing not to accept waste streams from fracking or radioactive operations, agreeing not to include transport by rail in our Part B application and taking steps to control the truck route and provide assurance no trucks will travel on Pennsylvania Avenue in Morrisville.

We remain committed to continuing our dialogue with the community, seeking input and incorporating it whenever possible into our plans.

For More Information

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