

LEWISTON, NEW YORK

2023

SUSTAINABILITY REPORT

Celebrating 40 Years



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WHERE OBJECTIVITY FLOURISHES

Message From Our CEO

Reporting on a year is always incomplete. Yet there is a power and opportunity to seize from pausing to contemplate, celebrate and report on our Sustainability Journey.

Honest reflection indicates that the progress on our sustainability journey slowed in 2023. We of course advanced; our will and our resources are ever more refined and dedicated to pressing forward towards enhancing the sustainability of our stakeholders. We are taking more time at this point in our journey to renew as WTS teammates, our most important WTS Stakeholders.



The words of Oliver Wendell Holmes, Jr. are fitting: "I find the great thing in this world is not so much where we stand, as in what direction we are moving. We must sail sometimes with the wind and sometimes against it, but we must sail, and not drift, nor lie at anchor."

As we pause and report, allow me to highlight two of our WTS Shared Values:

Teamwork built on Respect and Collaboration

Continual Improvement led by our People and Processes

I find these shared values endlessly build off each other. Our teamwork, with all our stakeholders, you our partners, requires this respect and collaboration for us to discover and deploy the next solutions to preserve natural resources and power the circular economy. Continual improvement, getting better every day, as people esteeming, listening and growing together. Evolving our processes, not so we can be more efficient, but evolving our processes so we can better engage with you will lead to the breakthrough innovations that future generations will be grateful for.

Finally, to 40 years – sailing with and against the wind – Cheers WTS! It is an immense privilege to be a part of this remarkable, resilient team. Thank you to all our stakeholders who respect and collaborate with us, it is great to share this journey with you.

Together,

michael J. Wurst



MICHAEL J. WURST
CEO & PRESIDENT

Message From WTS' Chairman



GARY P. HALL
FOUNDER & CHAIRMAN

Many & Hall

It has been an incredible journey as we have continued to grow and prosper in our business now for over 40 years. We are unwavering in our commitment to our Environmental Stewardship and Goal Zero mantra in all that we do. We continue to evolve with new teammates and our team leaders who are working together to adapt and transition through our staff retirements and the ever-changing landscape of our industry. On the one hand we thank the many teammates that are a part of the fabric of WTS, who have retired or transitioned to the next part of their personal journey. On the other hand, we welcome new teammates with fresh perspectives, skills and the appropriate character for our WTS Culture.

What has been the most important element of our Sustainability Journey?

Our Culture.

- A culture built on safety in all that we do our staff, our suppliers our communities all the stakeholders we engage with,
- A culture built on integrity, honesty and the Responsible Care® ethic,
- A culture built on compliance beyond the letter and intent of the law,
- A culture built on superlative service, keeping our promises and deliberately building trust,
- A culture built on caring, teamwork and collaboration while striving to lead by example,
- A culture built on learning and continuous improvement,
- A culture built on innovation, sharing ideas, transparency and learning from our mistakes
- A culture based on working on the right things for the right reasons

Looking at our Sustainability Journey over the past 40 plus years I am proud of our continuing social and societal commitments serving and supporting the underserved in our communities and around the world with our philanthropy. May the support we have had the privilege to provide to various charitable organizations be a catalyst to good and selfless works beyond their goals and objectives.

Thank you to all our stakeholders for allowing us to continue our mission, preserve and evolve our culture and we look forward to partnering with you for many years to come.

WHERE OBJECTIVITY FLOURISHES

Celebrating Our 40th Anniversary

In 2023, WTS celebrated our 40th Anniversary!

Over the last 40 years, WTS has established itself as one of the largest non-asset by-product management service providers in the United States, with a reputation for objectively and responsibly, solving complex environmental and waste challenges while creating sustainable value for our customers and stakeholders. We have always referred to the keys to our success as being long term relationships with all of our key stakeholders- clients, employees and suppliers/ partners. Evidence of this is that we have maintained many of those relationships for the entirety of our existence. Our founding partner Gary P. Hall remains active in the business today and continues to inspire us to not only carry on his legacy by maintaining those long-term business relationships but by giving back generously to the communities in which we work and thrive. Gary's partner, Michael Oliver, has stood proudly by his side since the beginning of the company and also remains active in shaping the future direction of WTS along with Gary and our President and CEO Michael Wurst. Michael Wurst is celebrating his 28th year at WTS and has risen to lead WTS to even greater goals through challenging times and an ever-changing marketplace. All of us at WTS remain grateful to Gary, Michael and Michael for their inspiration and leadership.

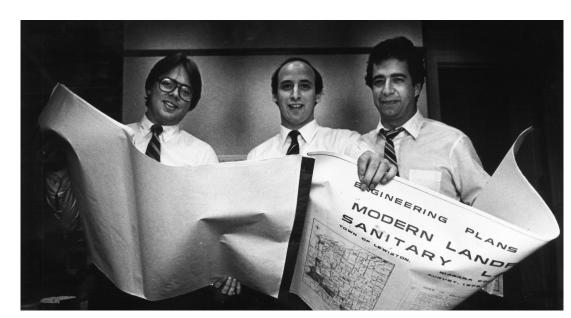


Original WTS Office - Niagara Falls, NY

WTS began as a 3-person operation in rented office space late in 1982. Our founders were instrumental in the birth of the by-product management business, working on projects such as the Love Canal clean up in Niagara Falls and being at the forefront of the introduction of RCRA and state regulations that shaped our industry and impacted our environment in a positive way. We have grown substantially through the years, now with offices and people stationed around the country to serve our expanding client base. Throughout our growth we have maintained and will continue to maintain our core commitments as stated in our RCMS Policy Statement you will find later in this report.



At WTS we are convinced that adapting to change, living our values, and fostering long-term relationships has allowed us to thrive for 40 years together. As we commemorate this milestone, we carry with us these convictions and continue to embrace opportunities together that enhance the sustainability of our stakeholders.



Craig Avery, Michael C. Oliver, Gary P. Hall

1982

Wts 40 Years

2023



Celebrating Our 40th Anniversary

We were excited to gather with our stakeholders, friends and family to officially celebrate our 40th anniversary in June of 2023 and we look forward to many more celebrations with you all.









Over the last 40 years, WTS has built a reputation as a non-asset by-product management service provider for solving complex environmental and waste challenges while creating value for our customers and stakeholders. With our corporate offices in Lewiston, New York, WTS has established a multi-disciplined team of environmental professionals with extensive expertise in managing regulated solid waste, responsibly and objectively.

Our team of professionals collaborates with WTS' pre-qualified network of service suppliers and leverages our industry affiliations towards the development and implementation of by-product management plans and sustainable service solutions that deliver economic & ecological value and benefits for our stakeholders.



Our Objectivity Differentiates our Business Model While Creating Value

Today, WTS is recognized as one of the largest non-asset by-product management service providers, with a 40-year history of managing hazardous and non-hazardous wastes, industrial by-products, reusable chemicals, recyclables, as well as on-site environmental and field services ensuring proper packaging of discarded waste and compliance with all material transactions. The company's growth includes several hundred customer locations serviced by WTS locations and personnel throughout the United States.

WTS continues to evolve as a place where customer-focused teams collaborate objectively and responsibly to deploy game-changing service solutions and innovative technologies collectively enhancing the sustainability of our stakeholders.

On behalf of the entire WTS team, thank you for being an essential part of our Forty Years!

Your commitment has made the tough times easier to endure,

Your partnership has turned the transactional into purposeful accomplishment,

Your collaboration has made us a strong and resilient team,

Your perspective is a catalyst for our continual improvement,

Your genuine care enhances our long-term relationship together,

Your integrity has enabled us to be here for good.

Thank you!

Throughout our 40 year history we've never lost focus on our Goal Zero Commitments and Core values:

- Objectivity leading to innovation and value creation.
- Teamwork built on Respect and Collaboration.
- Stewardship rooted in Responsible Care[®].
- Integrity preserving Goal Zero everyday.
- Continual Improvement led by our People and Processes.



As a Responsible Care® Partner Company in good standing with the American Chemistry Council's Responsible Care® program, WTS is committed to excellence in all of our business endeavors.

WTS has adopted and strives continuously to adhere to the fGuiding Principles of Responsible Care® in order to achieve our goals, including enhancing the Sustainability of our Stakeholders. WTS' Executive Management has communicated the company's Responsible Care Management System® (RCMS) Policy as a means of promoting the company's "Goal Zero" Commitment to providing quality services that are protective of human health and safety as well as the environment.

GOAL ZERO commits to zero fines, zero penalties, zero compliance actions, zero insurance claims and zero safety incidents.





MICHAEL C. OLIVER
VICE CHAIRMAN

"GOAL ZERO has been a mantra and way of life for WTS since 1982 meaning that we strive for 100% compliance and zero safety concerns for all the services we provide our clients. Our commitment to GOAL ZERO covers all areas of our operations but none more important than the safety of our employees and the safety of our client's operations and their employees"

WTS' Corporate Office in Lewiston, NY



Sustainability Goals and Commitments

Vision

A place where customer-focused teams collaborate objectively and responsibly to deploy game-changing solutions and technologies that enhance the sustainability of our stakeholders.



Mission

To play a key role in powering a circular sustainable economy, in which by-products and materials are reclaimed and recycled to eliminate waste while reducing environmental impacts and conserving resources.

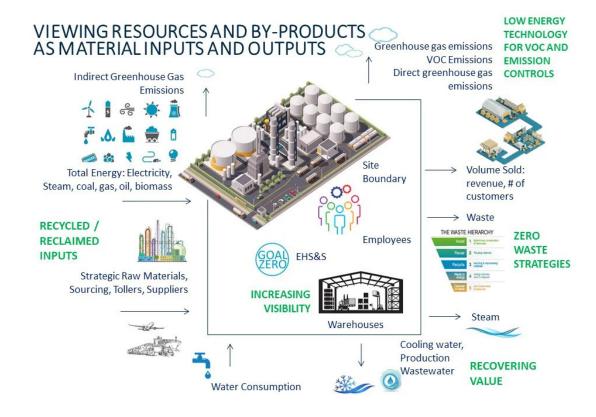


Pursuing a Circular Economy

The Linear Economy approach - TAKE, MAKE, USE and WASTE – is unsustainable. This approach results in discarded quantities of waste, depleted resources, production inefficiencies and lost profits as well as environmental and social risks.

A Circular Economy reduces material use, designing materials and products to be less resource-intensive while recapturing wastes as resources to manufacture raw materials and goods.

In alignment with the chemical industry, WTS is committed to playing a key role in the systematic transition to a Circular Economy, in which resources and materials are continuously cycled to eliminate waste, while creating value for all.



In pursuit of our company vision, WTS continues to demonstrate progress toward a circular economy by responsibly using natural resources and managing the reuse, repurposing, recycling and recovery of the value locked in discarded materials traditionally viewed as waste. Our Sustainable Materials Management services result in direct reuse solutions for discarded hazardous and non-hazardous chemicals and chemical by-products.





Society of Chemical Manufacturers and Affiliates

WTS remains active as an affiliate member of the Society of Chemical Manufacturers and Affiliates (SOCMA). SOCMA, an international trade association, represents the interests of the batch, custom and specialty chemical industry. Specialty chemical manufacturers, including custom chemical producers and proprietary chemical producers, play a key role across the global chemical supply chain. SOCMA takes a leading role in compliance and stewardship by providing technical expertise, best practice sharing and training, enabling members to contribute to a safe, sustainable and productive economy. WTS employees are regular participants in SOCMA's ESG Committee meetings and conferences. In 2023, WTS sponsored the welcome dinner for SOCMA's annual ESG conference held in Spartanburg, SC.



Alliance for Chemical Distribution

WTS is an affiliate member of the Alliance for Chemical Distribution. The ACD is an international association of chemical distributors and their supply chain partners. Member companies process, formulate, blend, re-package, warehouse, transport and market chemical products. WTS upholds ACD's standard of Responsible Distribution®, ACD's mandatory, third-party verified environmental, health, safety and security program. Responsible Distribution® is aligned with Responsible Care® via a formal Memorandum of Understanding between the ACC and ACD that outlines a mutual intent to "promote performance excellence, best practice sharing and cooperation along the value chain, embodied by their respective Responsible Care® and Responsible Distribution® initiatives."



American Chemistry Council

WTS continued its affiliation as a Responsible Care® Partner Company in good standing with the American Chemistry Council in 2023. The American Chemistry Council (ACC), America's oldest trade association of its kind, represents over 190 companies in the chemistry business. Over 96% of all manufactured goods rely on the chemistry business. The \$553 billion chemistry business in America supports more than 25% of the U.S. domestic product, and 14% of the world's chemicals. ACC members are the leading companies engaged in all aspects of the business of chemistry.



WTS continues to work to enhance the sustainability of our stakeholders. Our services and growth strategies take into account the following sustainability priorities, cited by the American Chemistry Council:

Climate

- Climate change is a global challenge that requires long-term commitment and action by every segment of society
- WTS works together with our stakeholders to support efforts to reduce greenhouse gas (GHG) emissions and energy use by promoting emissions-reducing service solutions and sharing our progress through Responsible Care[®].





Wate

 WTS supports stakeholder efforts using chemistry to advance water conservation, water reuse and the treatment of wastewater to enable clean water and the preservation of drinking water sources where WTS and its customers operate.

Circularity

- WTS is committed to playing a key role in the systematic transition to a circular economy and sustainable development, in which resources and materials are continuously cycled to eliminate waste, while creating value for all.
- WTS tracks progress toward a circular economy by not only documenting the responsible use of natural resource, but also enabling the reuse, repurposing, recycling and recovery of the value locked in materials traditionally viewed as waste





Sustainable Chemistry

- Chemical products play a key role in many of the industries crucial to bringing about a more sustainable future. WTS works together with stakeholders in the chemical industry to drive sustainable chemistry practices forward.
- Our role in the industry as a by-product and waste management company positions us as a key player in the development and execution of safe end-of-life- practices for chemical wastes and byproducts and allows us, where appropriate, to divert potential wastes from landfill and incineration for use as alternative raw materials





In 2023, WTS participated in the EcoVadis Sustainability Program to demonstrate our commitment to improving our sustainability performance.

Since its founding in 2007, EcoVadis has grown to become the world's largest and most trusted provider of business sustainability ratings. The EcoVadis sustainability assessment methodology is at the heart of the company's ratings and scorecards and is an evaluation of how well a company has integrated the principles of sustainability/ESG into their business and management system.

The EcoVadis methodology is built on international sustainability standards including the Global Reporting Initiative, the United Nations Global Compact, and the ISO26000, covering 200+ spend categories and 175+ countries. The Sustainability Scorecard illustrates performance across 21 indicators covering the following four themes:

- Environment
- Labor & Human Rights
- Ethics
- Sustainable Procurement

The EcoVadis sustainability recognition levels are based on the percentile rank of a company's EcoVadis score and a minimum theme score.

In 2023, WTS was awarded a Silver medal (top 15%). WTS is committed to improving its EcoVadis medal status in alignment with our Responsible Care Management System® and our sustainability commitments.

Stewardship Rooted in Responsible Care®

Health & Safety & Security

WTS provides a safe, secure and healthy work environment for all employees, stakeholders and others working on our behalf, including protecting and safeguarding the communities in which we work. SAFETY WILL ALWAYS BE A CORE VALUE OF WTS.

Compliance

WTS demonstrates its compliance with all applicable federal, state and local environmental, health, safety and security regulations as well as the Responsible Care® Guiding Principles and other relevant Responsible Care® Program requirements.

Quality

WTS provides its customers with the highest quality of services while protecting the integrity of the environment.

Pollution Prevention

WTS operates our business in an environmentally responsible manner and continues to offer services that stress environmental stewardship, sustainability, pollution prevention and that minimize the impact on the communities in which we work.

Continual Improvement

WTS operates our business in accordance with a well-defined Responsible Care® Management Plan, the elements of which routinely evaluate our performance and guide us as we strive for continual improvement.

Communication

WTS communicates applicable job responsibilities and business performance information with all employees in a manner that fosters and enables their successful participation in communicating our core values with our external stakeholders.

Ethics

WTS, by our words and deeds, conducts our business in a manner that is consistent with these commitments.

WTS' Quality & Responsible Care® Policy Statement

Responsible Care® Partner

The American Chemistry Council (ACC) extends its Responsible Care® ethic and management practices across the chemical supply chain through its Responsible Care® partner program.

The Responsible Care® Partner Program is open to companies that have direct, substantial involvement in the distribution, transportation, storage, use, treatment, disposal, or sales and marketing of chemicals.

Responsible Care® Partners adhere to the same Responsible Care® requirements as ACC members.

The entire WTS Team is committed to upholding the Responsible Care® Program Elements.

WTS became a Responsible Care® Partner Company in 2008. As a Responsible Care® Partner Company, in good standing with the ACC, WTS continues to collect and annually report performance data in the following areas:

- Employee, Product + Process Safety
- Chemical Supply Chain Security
- Product Stewardship, including managing product safety and product communications
- Environment
- Energy
- Accountability through our Management System Certification
- Community Outreach



Stewardship Rooted in Responsible Care®



BRIAN CALIENDO
RESPONSIBLE CARE® COORDINATOR

In 2023, WTS' Responsible Care Management System® continued to be the centerpiece of our company's commitments to sustainability and our development of material management solutions for discarded materials, by-products and regulated wastes.

"Responsible Care® is our keystone. It is the structural element that provides functionality to our entire operation."

WTS' third party certified Responsible Care Management System® (RCMS®) Manual defines the structure of the management system employed by WTS to effectively manage, in a manner consistent with its RCMS® Policy, the significant environmental, health and safety, security and quality (EHSS&Q) aspects that are related to its business activities and industrial as well as hazardous chemical management services, including:

- Disposal
- Recycling
- Resale/Reuse
- Transportation
- Field Services
- Supply Distribution
- Compliance

The WTS Responsible Care Management System® continues to be the core of our operational philosophy, our guiding principles and our sustainability commitments.

Responsible Care Management System®

As a Responsible Care® Partner Company, WTS conforms to the American Chemistry Council's Responsible Care Management System® (RCMS). WTS' conformance to the Technical Specification RC101.04 has been independently certified with its scope encompassing all Responsible Care®/EHS&S and activities associated with non-asset-based by-product management services to the chemical industry.

RCMS Surveillance Audit

WTS underwent a third party RCMS Certification Audit by Midland Engineering on 11/7/2023 and 11/8/2023. There were no major non-conformances found. The following points were highlighted as management strengths by the auditor:

- "ACC Partner of the Year for 2022 for the 9th time."
- "Participation in the Fuji EHS Summit on 10/23 and prior years."

Verrico & Associates conducted our RCMS Internal Audit which included a review of the RCMS documentation, policies and procedures, and a physical review of the Lewiston Office, which included several interviews with various WTS employees. The highlights include that:

- "WTS remains very transparent with publicly available RCMS-related information."
- "IT Disaster Recovery Plan is very comprehensive and detailed."

The results of the 2023 audits verified that our RCMS remains suitable, adequate, and effective for the scope of our operations.

WTS published a summation of all its RCMS® activities during the 2023 calendar year. The following WTS' Annual 2023 RCMS® Update also addressed communications, objectives, internal risk surveys, stakeholder messages, supplier surveys, client satisfaction surveys, and new operating control procedures. A number of these topics are covered in more detail within the context of our 2023 Annual Sustainability Report.

- Goal Zero Standard WTS achieved its Goal Zero Standard for the year, meaning all business was carried out with zero injuries, zero fines, zero compliance actions and zero insurance claims.
- RCMS® Internal Audit WTS had Verrico + Associates conduct an RCMS® Internal Audit which included a review of the RCMS® documentation, policies and procedures, as well as a physical review of the Lewiston office, which included several interviews with various WTS employees.
- Surveillance Audit Midland Engineering conducted WTS' Surveillance Audit, which resulted in no findings requiring corrective action.
- Suppliers WTS, under the leadership of Tom Dobmeier completed surveillance audits of all our approved TSDRs. Safety reviews were conducted on interstate carriers and were monitored through our subscription to Carrier 411. New suppliers were added to WTS' approved supplier program. The complete list of approved suppliers continues to be managed through WTS' RCMS®.
- Training WTS' Environmental Program Managers and our TSRs received training around new procedures. IATA training was conducted along with training focused on Sexual Harassment Prevention. Regulatory training was conducted at our Lewiston offices.

RCMS Annual Update

Health & Safety

"This is the 14th year without a recordable incident – there have only been 2 recordables in the 40 years of WTS history"

During 2023 all WTS employees continued to be responsible for:

- Following all applicable RCMS® requirements as specified in established procedures addressing training, awareness, and competence
- Notifying WTS' RCMS® Team of any changes in services or activities that may impact the RCMS®, and offering suggestions regarding potential RCMS® improvements
- Notifying our RCMS® team of any non-conforming conditions
- Establishing and implementing Objectives for the continual improvement of our RCMS system

WTS continued to implement and update its RCMS® Employee Function Specific Training Matrix for:

- Initial HAZWOPER training
- Annual EHS&S Refresher training
- USDOT HazMat training
- IATA training
- EHS&S Administration
- First Aid/CPR training

- Bloodborne Pathogens Training
- RCMS® Training
- Defensive Driving Training
- Workplace Sexual Harassment Prevention Training, and
- IT Security training



Training



To comply with our Goal Zero initiative, WTS has committed and implemented robust safety and operational training for all our Environmental Managers that are required on our client sites. This training exceeds the most stringent requirements established under new federal and OSHA requirements concerning the spread of COVID-19.

Safety Always – A WTS Shared Value

Our Responsible Care® policy statement clearly states: "we will provide a safe, secure and healthy work environment for all employees, stakeholders and others working on our behalf. We will protect and safeguard the communities in which we work".

Responsible Care® is the chemical industry's world-class environmental, health, safety and sustainability initiative, RC companies are leaders working to advance the safety and sustainability of our employees, our facilities and communities in which we operate.



WTS' RCMS® connects our core values, **SAFETY ALWAYS** and **GOAL ZERO**, to our thinking, decisions and actions.

The company has provided activity-specific responsibilities to WTS personnel within the text of each individual WTS health and safety procedure. These responsibilities apply to WTS':

- Executive Management
- EHS&S Manager
- Account Managers
- Site Health and safety Officers
- WTS Employees and WTS Contractors



In 2023, WTS updated its conformance with the Responsible Care® Product Safety Code. This Code provides a comprehensive framework for driving continuous improvement in chemical product safety and stewardship.

A key component of managing product safety in the value chain is exchanging information regarding product hazards, intended uses, handling practices, exposures and risks. Product Stewardship is the responsibility to understand, manage and communicate the health and safety impacts of chemical products.

Within the framework of WTS' Responsible Care Management Systems, WTS has established a process to receive and respond to relevant product safety and product stewardship inquiries.

Supplier Compliance Audits

In 2023, WTS completed internet compliance audits for all of the facilities on our approved suppliers list. WTS also completed an OSHA Compliance Check on all of WTS' approved service suppliers. WTS monitors and document OSHA and regulatory penalties levied over the last five years,

Annual Internal Risk Survey

WTS distributed internally its Annual Internal Risk Survey to ensure the company has the proper controls in-place for prioritized risks potentially impacting all employees and contractors.

Annual Client Satisfaction Survey

In 2023, WTS distributed its Annual Client Satisfaction Survey to all customers employing WTS' services. The Survey responses were analyzed and reported to employees in alignment with the company's continuous improvement initiatives as well as our commitments to activities enhancing the sustainable performance of customers.

Sustainable Materials Management (SMM)



Sustainable Materials Management (SMM) is the WTS process designed to use and reuse materials more productively over their product life cycle by objectively evaluating material inputs and outputs, and responsibly connecting producers and end-users of chemical products and by-products, thus increasing circularity.

Reuse – direct reuse/sale of slow-moving or outdated, damaged and slightly off-specification chemical products, by-products, commodities, and packaging

Reclaim – reclaim/recover by-products as supplemental raw material ingredients

Reduce – reduce, minimize or eliminate discarded chemical by-products and materials for end-of-life management

Our SMM service solutions address material properties and composition at their points of origin, while bridging logistic infrastructure in a manner that creates value.

In 2023, WTS continued the growth of our Sustainable Materials Management services and our systematic process for evaluating and qualifying viable opportunities for re-marketing and selling discarded chemicals and materials for direct reuse, re-purpose, beneficial reuse, and reclaim with our pre-qualified network of chemical/material end-users, including:

- Chemical producers, specialty chemical processors and manufacturers of consumer goods
- Chemical distributors affiliated with the Alliance for Chemical Distribution
- Warehouse distribution and logistics centers
- Chemical tollers and solvent reclamation facilities
- Suppliers specializing in coprocessing as well as the recovery, repurposing and recycling of regulated solid waste and discarded commodities, including plastic scrap



WTS' Sustainable Materials Management (SMM) Inquiry Portal is designed to start our collaboration and evaluation of information and data profiling excess, unused, off-spec, and slow-moving/obsolete and expired chemical raw materials as well as chemical by-products. Once the information is entered through our Inquiry Portal, WTS' team of SMM professionals begins our systematic process to evaluate and qualify viable chemicals and materials for direct reuse, re-purpose, beneficial reuse, reclaim and secondary sales with our pre-qualified network of chemical/material end users.



The reintroduction of materials back into the marketplace, that otherwise would have been treated or disposed of, is key to WTS' approach to enhancing stakeholder sustainability. Our non-asset objective approach allows us to prioritize end-users, distributers, and recyclers/reclaimers whenever possible to find the most cost-effective (or revenue generating) sustainable option rather than being tied to disposal assets. In addition to the case studies on the pages that follow, WTS facilitated the beneficial reuse of several chemical products and materials in 2023, including:

- 1,106,260 lbs Aqua Ammonia
- 767,840 lbs Petroleum Refining Listed Waste
- 402,650 lbs Silica Slurry
- 268,000 lbs Non-Hazardous Production Waste

WHERE OBJECTIVITY FLOURISHES

Direct Reuse of Discarded Solvents as Raw Materials

The following are examples of cases where WTS' objective approach yielded sustainability benefits for our stakeholders.

Direct Reuse of High Purity Solvents

WTS, in partnership with our clients, regularly facilitates the direct reuse of a variety of solvents via our extensive network of distributors and end users. In 2023, WTS collaborated with a client at 3 of their locations on the direct reuse of over 2,250,000 lbs. of by-product solvents including:

Cyclohexanone

Methyl Isobutyl Carbinol

IPA

IPA

N-butyl Acetate

NMP

WTS has business partners in our extensive network of chemical distributors that are able to sell or use these materials as an alternative to virgin material under the Guiding Principles of ACD's Responsible Distribution™ program. Furthermore they are vetted as part of WTS' Responsible Care Management System®, so our client is confident that the transactions are being carried out to the highest safety standards. These relationships allow our clients to avoid waste disposal costs and generate ongoing revenue instead, while the buyers add reused solvents to their product lines, thereby avoiding the embedded emissions associated with the production of new virgin raw material.

SMM Case Studies

Ethanol Recycling

The massive quantity of cleaning products and hand-sanitizers produced at the onset of the COVID-19 pandemic continues to pose a challenge for several WTS clients. As these products reach their expiration date our clients are looking for sustainable solutions for excess ethanol and ethanol-based hand sanitizers in a variety of packaging sizes. WTS' network includes several ethanol recyclers capable of de-packaging and recycling the ethanol in hand sanitizer to be re-used as a raw material. In 2023 WTS partnered with our clients and our suppliers to recycle over 174,000 lbs of ethanol and hand sanitizer, avoiding traditional disposal methods.







Closing the Loop on Single Use Plastics In 2023, WTS supported two large scale cell cultural biopharmaceutical facilities and one of the largest global sterile injectable manufacturing/warehouse operations with their efforts to reduce reliance on landfills and waste to energy.

Types of Materials Managed to Non-Landfill/WTE Solutions:

- Medical Waste
- Single Use Plastics from Biopharma processes
- Unused single use plastics
- Discarded plastics
- Multi-component plastic packaging, containers and packaged products





Case Study

Overview: BioPharma Facility and WTS collaborated on the journey to reduce reliance on landfill and autoclave treatment methods for their manufacturing by-products.

2023 Results:

- 68% of total solid waste generated diverted from landfill
- Recognition at the Texas Commission on Environmental Quality (TCEQ) annual awards program for Pollution Prevention
- 100% reduction in reliance on autoclave technology through the implementation of new technology identified by WTS which broadly includes a microwave-driven, dry treatment process with integral shredding and segregation to optimize recycling and upcycling.

Note: The implemented Microwave technology is a dry process vs. the steam process utilized by autoclaves. Autoclaves use between 150-190 liters of water per minute. For each ton of plastic recycled, 7.4 cubic yards of landfill space is saved. Sanitized plastics are further sent on for advanced recycling to be converted into plastic pellets to be used as raw material in new products or transformed back to raw materials through pyrolysis technology.

Recycling
Single Use
Plastic
Injectables &
Packaging



In 2023, WTS was selected by one the world's largest sterile injectable manufacturing facilities to pilot a recycling initiative that would divert unused, packaged plastic bottles and off-spec, shredded plastic injectable products from landfill. Working together with our customer and their material handling contractors as well as with a pre-qualified supplier specializing in mechanical separation and recovery of plastic components, WTS coordinated service solutions encompassing: accumulation of plastic items, transport of accumulated quantities to processors who provided de-packaging and densification as well as mechanical shredding, separation and purification of recovered items comprising the products. The collaborative efforts associated with this pilot recycling initiative resulted in:

- The diversion of over 1.6 million pounds of discarded polypropylene bottles with saline solution from land disposal and waste to energy to a recycling facility designed for wet-shredding and mechanical separation of packaging and polypropylene for further processing and commercial reuse.
- The diversion of over 90 thousand pounds of discarded, unused single-use packaged polypropylene bottles, without fluid, and shredded, multi-component plastic injectables from landfill and waste to energy to a network of pre-qualified processors with unique capability to shred, densify, separate and mechanically recover plastic components for further processing and recycling as well as beneficial reuse.

Innovative Recycling Solutions -Cosmetics Packaging

In 2023, WTS initiated a corporate project with a major cosmetic manufacturer to develop and implement sustainable service solutions resulting in the recycling of unused branded cosmetic packaging as an alternative to Waste to energy. Within the scope of this project, WTS worked in collaboration with the customer's Executive Steering Team to map the flow of discarded packaged items comprised of: corrugated cardboard, white cartons, coated paper, multi-colored glass, simple and multi-component plastic tubes, jars and bottles. The service expectations required prequalification of transporters, processors and recyclers meeting the customer's security requirements and the expectation for brand destruction prior to considering items for commercial recycling.

Working with the customer's Steering Team, project elements were defined and documented to allow for communication of baseline accomplishments and continuous improvements. The project template addressed the flow of packaged items from facility warehouses to centralized staging areas where packaged items were securely packaged for transport to pre-approved processors capable of weighing pallets of packaged items, sorting items, shredding and grinding de-packaged packaging and packaged items and accumulating processed items for commercial recycling. In addition to addressing the economic and environmental benefits commercial recovery and reuse, the project measured progress in diverting packaging and all packaged items from waste to energy.

Borosilicate Glass



Borosilicate glass, also know as Type 1 glass, is a common material used in the pharmaceutical industry for packaging and storing health products and medicines. This glass type is chemically inert and resistant, making it ideal for containing injectables and other treatment.

In 2023, WTS initiated a pilot recycling program, designed to divert unused borosilicate glass containers (vials, ampules, bottles) as well as off-spec, shredded borosilicate glass products from land disposal. Working together with our customer, a major sterile injectable manufacturing facility, WTS identified and evaluated suppliers who could commercially accept truckload quantities of unused borosilicate glass bottles as well as shipments of shredded glass stored in gaylord containers. In collaboration with the supplier's plant manager, samples were taken and evaluated for acceptance and further processing resulting in the separation of fiber and plastic contaminants before blending the separated glass with similar glass formulated as an auxiliary feedstock for the production of fiberglass.



Miscellaneous Packaging





In 2023, WTS continued to support its customers by coordinating and managing commercial recycling service solutions for an array of packaging and consumer goods, for example:

- Corrugated cardboard packaging
- Coated paper
- Metal drums
- Plastic bins, drums and toes

Responsible By-Product & Waste Management Our objectivity continues to drive us to take a holistic and systematic approach to waste and by-product management at multiple manufacturing facilities throughout the United States. With access to the largest network of commercial and captive treatment storage and disposal facilities, transporters, recyclers and specialty chemical processors.

In 2023, WTS' By-Product Management process continued to be the catalyst of our objectivity. This process aligns customer objectives and our service activities transparently as we collaborate together to deliver safe, innovative and beyond-compliant waste management and by-product logistics solutions.

WTS continued to enhance the sustainability of our stakeholders using this process, by developing and implementing service solutions focused on one or more of the following customer objectives:

- Zero Waste and Zero Waste to Landfill
- Reclamation and Reuse
- Repurposing recovered by-products as supplemental raw materials
- Minimizing hazardous waste and preventing multi-media chemical releases
- Sustainable Materials Management
- Reusing Discarded Materials in a closed loop to promote Circular Economy
- Ensuring Compliance and minimizing workplace and environmental risks

 Minimizing GHG Emissions by conserving energy and improving resource efficiency

In 2023, WTS managed 16,504 customer profiles, 46% of which were managed via a sustainable outlet.



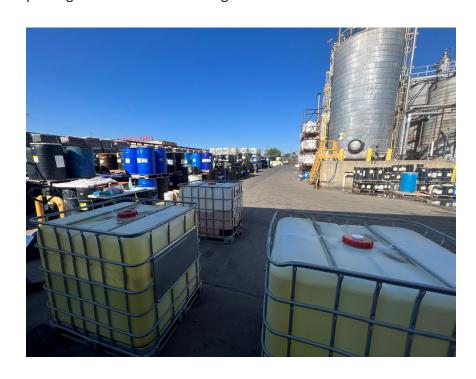
Managing Regulated Hazardous Waste In 2023, WTS supported its customers by responsibly and objectively managing hazardous waste transportation with the company's network of pre-qualified treatment, reclamation, recycling and disposal outlets.

WTS' performance ensured all waste management activities were under the framework of the company's Responsible Care Management System® and Goal Zero.

WTS' professional network supported customer requirements encompassing:

- confirmation of hazardouse waste codes and methods of management
- profiling individual waste streams for pre-defined supplier acceptance
- preparing documention for outbound shipments, including e-Manifests.
- coordinating equipment required for transactions of flammable and combustible liquids toxic solids, hazardous sludged, hazardous chemicals, electronic and universal wastes, as well as wastes generated by: spill clean-up, remediation projects and construction demolition activities
- tracking waste transactions using the functionality of the company's LMwts information and data management system.

With each hazardous waste transaction, WTS addressed safeguards to minimize risks to employeees handling and transporting waste while minimizing releases to the environment.



Case Study -Hydrazine Disposal Throughout 2023 WTS assisted a client with regular shipments of hydrazine for compliant treatment and disposal. WTS worked with our client to keep shipments moving, assisting our client through vehicle breakdowns, facility shutdowns and loading issues due to personnel availability. Overcoming these challenges, WTS helped its client safely and responsibly treat and dispose of roughly 175,000 lbs. of hydrazine, with shipments occurring roughly every 3 weeks over the course of 8 months.

Case Study -Mixed Solvents

In 2023 WTS collaborated with one client on the beneficial reuse of a recurring mixed solvent stream at their site. WTS found a sustainable solution, avoiding disposal while reusing our client's mixed solvent in a railcar cleaning program, reusing what was formerly a RCRA hazardous waste as a product. This project is ongoing, with a shipment occurring roughly every 6 weeks. This project resulted in reduced waste volumes at our client site, in 2023 we were able to move 440,000 of hazardous waste out of RCRA for our client while supplying the end-user with a re-used solvent to use in their rail-cleaning program, a more sustainable substitute for the virgin solvents that would otherwise have been used.

Chemical
Distribution
Centers &
Warehouses

In 2023, our WTS team was active at over 30 chemical distribution centers and warehouses in developing and implementing sustainable by-product management solutions for the following types of materials:

- Slow-moving consumer goods
- Damaged Chemical Inventory
- Excess Inventory
- Off-specification/expired products and chemicals
- Discarded inventory, packaging and containers
- Regulated hazardous and non-hazardous waste including e-scrap
- Plastic packaging





Through our collaborative and objective approach the WTS team:

- Ensured workplace health and safety
- Mitigated risks posed by damaged or improperly stored materials
- Reduced hazardous waste generation through the compliant management of materials to end disposal, re-use or beneficial use outlet.

Case Study: Warehouse Cleanout

Overview: In 2023, WTS managed the inventory write-off of 1.4 mm lbs of our customers' expired or damaged chemical product at 9 warehouse locations across North America.

Results

- Our on-site chemists and environmental managers were on-site for over 900 hours compliantly and safely packaging over 6,000 containers (totes, drums, cubic yard sacks, bottles, boxes) for final transfer to the end beneficial use or disposal outlet.
- Our Logistics experts prepared all the profiles, approvals, shipment documentation and managed the logistics of over 52 loads of compliantly packaged materials to the end use or disposal facility.
- Our team reduced the overall hazardous waste volume generated as a result of the inventory write-off by 45% through accurate material identification and classification, managing materials into beneficial use outlets and reducing the volume of materials through source segregation and packaging.

Community Outreach

As part of our community outreach WTS supported:

- EduNations
- Charity for Children
- Cystic Fibrosis Foundation
- The First Tee of WNY
- Niagara Falls Memorial Medical Center
- Niagara Falls Little League Baseball Sponsor
- Summit Life Outreach
- Heart Love & Soul Food Pantry
- Empower Niagara Falls
- Lewiston Porter Senior High School
- PUNT Pediatric Cancer Collaborative
- Greater Niagara Fishing Odyssey
- Roswell Park Cancer Institute
- Sweet Home Dollars for Scholars

- Gronk Nation Baseball
- Meriden Lions Golf Tournament Sponsor
- Fuji Mesa Golf Tournament
- Lewiston & Porter Youth Baseball/Softball
- Stella Niagara Education Park
- St Jude Children's Research Hospital
- Hospice Buffalo
- Health Association of Niagara County Inc
- Lewiston Kiwanis
- Special Olympics
- Village of Lewiston Recreation Department
- The Community of Caring Hearts
- Friendship Memorial Golf Sponsor
- Connor Casey Foundation
- CT Fire Ants Golf Sponsor
- Air Waste Management Association of Niagara (ENVIRUN)

Gratwick Waterfront Park Cleanup in Tonawanda

In April, 2023, WTS employees took part in a community effort led by the Buffalo Niagara Waterkeepers Shoreline Sweep, removing many bags of garbage and recyclables from around the park.







E-Waste Event at WTS

On August 2, 2023, WTS held an E-Waste Event at our Lewiston Office. Employees, friends, and neighbors brought bulbs, batteries, and unused electronic recycling to be collected by SunnKing, an electronic recycler in Buffalo, NY. An employee luncheon was held in the parking lot to celebrate the event and all the monies recovered from the collection of electronics were donated to Camp Good Days & Special Times in Rochester, NY.





Sweet Home Dollars for Scholars



WTS donated to the Sweet Home Dollars for Scholars event which included a scholarship being given to a bright and deserving individual named Ian. Ian will be attending Geneseo studying Chemistry and on his scholarship application demonstrated strong community involvement much of which was volunteer work with various charities.



Lewiston Little League Field

WTS was a sponsor for the Town of Lewiston Recreation Department little league field.



Charity for Children Fundraiser

2023 Charity for Children Event

On June 15, 2023, WTS sponsored the Charity for Children event raising over \$180,000 to benefit the Ralph C. Wilson, Jr. Niagara Community Center located in Niagara Falls. The event was a great success. Many community programs utilize the RCWJ-NCC facility at a reduced rate or for free, giving access to community youth from the underserved population of Niagara Falls and surrounding areas.



charity for children



The two-day fundraiser boasted a fishing tournament on the Lower Niagara in which King Salmon raked in the most points for participating Anglers. Over 400 fish were reeled in, mostly Bass, over the two days in the water. The Salmon were biting Thursday morning, and one boat caught seven.

Forty golfers teed off at the Niagara Falls Country Club. After eighteen holes were played, awards were given to the lowest scores, and winners of a putting and longest drive contest.

Participants from both events gathered for dinner alongside members of several community organizations that would benefit from the monies raised.











EduNations

EduNations is devoted to building schools to make education free and accessible to children who otherwise would not receive one. WTS continued to support the unified EduNations K-12 school system via a donation in 2023 to build a dining hall at one of the 15 schools in Sierra Leone. This dining hall will provide a common area where all senior secondary students can connect and share meals together. It will provide the kitchen staff with a sanitary, indoor area and adequate equipment to prepare meals without being affected by the weather. It will also provide a clean, secure space for food storage. EduNations educates over 3,700 students and employs over 150 teachers throughout 6 remote villages in Sierra Leone.



"On behalf of the Board of Directors of EduNations, our great partner Gary Hall and his family, as well as his company WTS in Western New York, and on behalf of all the staff and students of EduNations, it is my honor and privilege to do the groundbreaking work for the construction for this dining hall here in Rokassa."

-Samuel Sorie Conteh





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Where Objectivity Flourishes

WTS continues to evolve as a place where customer-focused teams collaborate, objectively and responsibly, to deploy game-changing service solutions and innovative technologies to enhance the sustainability of our stakeholders.





LEWISTON, NEW YORK