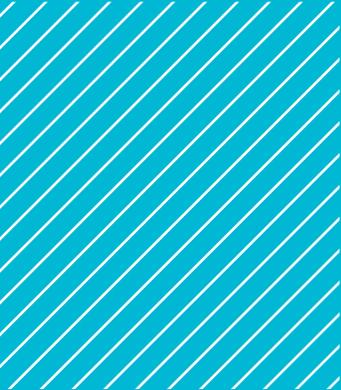




LEWISTON, NEW YORK

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2022

SUSTAINABILITY REPORT

Where Objectivity Flourishes



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Message From Our CEO

Our Sustainability Journey continues to evolve as we press forward together with our Stakeholders.

Our 2022 Sustainability Report shares many of our key milestones and successes.

In 2022, we completed a business sustainability assessment with EcoVadis and earned a Silver Medal which places WTS in the top 25%. This validates our sustainability commitments, practices and performance while offering us a clear roadmap for continuous improvement.



EcoVadis has assessed over 85,000 companies globally covering seven management indicators across 21 sustainability criteria, in four themes: Environment, Labor & Human Rights, Ethics and Sustainable Procurement. This is a significant accomplishment for our WTS Team.

As you review our report, keep in mind one of our WTS shared values: Stewardship rooted in Responsible Care®. This value underpins our progress and our orientation. A Stewardship orientation compels us to the careful and responsible management of materials entrusted to our care. When applied to our activities, WTS takes responsibility for forming lasting relationships with our stakeholders to drive transformative change around the practices for the management of waste and by-products within the supply chain.

Stewardship requires committed stewards, and here I am proud to not only engage with my WTS Teammates, but to collaborate with my teammates as fellow stewards. We share collective responsibility and action to drive to zero waste, avoid landfill, mine waste for value and deliver solutions that responsibly go beyond compliance.

I hope you enjoy connecting with our sustainability journey in this report. We welcome your ideas. Together we will make transformative progress so future generations can enjoy a brilliant here and now.

Cheers to all our stakeholders, especially my fellow WTS Stewards!

Together,



MICHAEL J. WURST
CEO & PRESIDENT

Message From WTS' Chairman



GARY P. HALL
FOUNDER & CO-CHAIRMAN

Reflecting back on 2022, I cannot help but think of how proud I am of my WTS teammates in maintaining and sharing the values we espouse in our WTS Quality and Responsible Care Statement.

In November of 2022, WTS celebrated its 40th anniversary as a company. Over these 40 years our team never wavered in the face countless industry and regulatory changes and continued to deliver beyond-compliant services as we worked with our clients and partners on their respective sustainability journeys. Having celebrated our 40th year, our commitment remains even stronger. Our Responsible Care Management System remains the framework for our Sustainability Mission.

I am also pleased to be able to report that we continued our support of the Sustainability of our community Stakeholders by maintaining our philanthropic efforts. It was a great joy to be able to return to in-person events as pandemic restrictions lifted and we continued our financial support for a number of vital organizations including: The Ralph C. Wilson, Jr. Niagara Community Center, the Cystic Fibrosis Foundation, EduNations in Sierra Leone, Heart Love and Soul, a food pantry and social service mission in Niagara Falls, and Cartagena Paws, a charitable organization that provides meals and educational activities for children to promote animal rights and welfare in Cartagena, Columbia.

I believe that the Sustainability Mission of WTS goes beyond protecting and preserving our natural resources with our people, our partners and all of our stakeholders.

As we look back on over 40 years of business at WTS we are grateful for all of our customers, suppliers, stakeholders and community leaders that have supported us in all that we do both in business and philanthropically. WTS' unique, objective and sustainable approach to waste and by-product management propels our success while allowing us to help those less fortunate. Thank you to all of our stakeholders for allowing us to continue this mission and we look forward to partnering with all of you for many years to come.

Our Story

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.



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.



Sustainability 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.



WTS' Corporate Office in Lewiston, NY

Affiliations



American Chemistry Council

In 2022, WTS continued its affiliation as a Responsible Care® Partner Company in good standing with the American Chemistry Council. The American Chemistry Council (ACC) is America’s oldest trade association of its kind, representing more than 190 companies engaged in the business of chemistry – an innovative economic growth engine that is helping solve the biggest challenges facing our country and the world. ACC members are the leading companies engaged in all aspects of the business of chemistry, from the largest corporations to the smallest, and everything in between. More than 96 percent of all manufactured goods rely on the business of chemistry. The \$553 billion chemistry business in America supports more than 25 percent of the U.S. domestic product, and 14 percent of the world’s chemicals.



National Association of Chemical Distributors

WTS participated in 2022 as an affiliate member of the Alliance for Chemical Distribution (known then as the National Association of Chemical Distributors). 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. A member-voted condition of membership in the association is a signed commitment to ACD Responsible Distribution®. Responsible Distribution® is ACD’s mandatory, third-party verified environmental, health, safety and security program where members demonstrate their commitment to continuous performance improvement in every phase of chemical storage, handling, transportation and disposal. Responsible Distribution® is aligned with Responsible Care® via a formal Memorandum of Understanding between the American Chemistry Council (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.”



Society of Chemical Manufacturers and Affiliates

In 2022, WTS continued to participate as an affiliate member of the Society of Chemical Manufacturers and Affiliates (SOCMA). As an international trade association, SOCMA represents the interests of the batch, custom and specialty chemical industry. Specialty chemical manufacturers are categorized as: tollers, custom chemical producers and proprietary chemical producers, all of which play a key role across the global chemical supply chain. SOCMA is taking 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.



Service Strategies Enhancing Stakeholder Sustainability



WTS enhances the sustainability of our stakeholders by:

- ◆ Taking a systematic approach to objectively and responsibly managing by-products and regulated waste. This service strategy is designed to support our customers with logistics/transportation solutions, regulatory compliance, on-site environmental services, landfill diversion, recycling programs, beneficial reuse and responsible disposal of regulated wastes that cannot be reused or recycled.
- ◆ Developing and implementing Sustainable Materials Management (SMM) service solutions. WTS' SMM process is designed to use and reuse materials more productively over their entire product lifecycle by evaluating material inputs and outputs, and responsibly connecting material producers and end-users of discarded products and by-products, thus increasing circularity.
- ◆ Power a Circular Economy through the use of chemicals, innovative technologies and value recovery solutions. Our approach rethinks material inputs and outputs along the supply chain and product life-cycle, and in the process unlocks value from by-products and wasted resources.

Contributions to Stakeholder Sustainability

Our services are being employed by large and small businesses representing a number of manufacturing, chemical production and warehouse operations.

With offices in several regions of the United States, WTS' employees are servicing customers throughout the country. Working Together, our integrated network of business and technology partners as well as our experienced employees, including chemists, engineers, environmental personnel and administrative professionals are, objectively and responsibly, creating value by enhancing the sustainability of our stakeholders.



Enhancing the Sustainability of Our Stakeholders

WTS' business model is designed to enhance the sustainability performance of our stakeholders by:

- Taking a systems approach to managing discarded chemicals, by-products and regulated waste, including industrial wastewaters and recyclables, in alignment with our Responsible Care Management System®, American Chemistry Council sustainability commitments as well as our customers' goals and expectations for improving their sustainability performance.
- Reimagining and implementing Sustainable Materials Management (SMM) processes designed to directly use and reuse materials more productively over their lifecycle by evaluating material inputs and outputs as well as responsibly connecting producers and end-users of products and by-products, thus increasing their circularity.
- Deploying game-changing technologies and processes to extract value from discarded resources while minimizing risks posed by multi-media chemical releases

Our stakeholders:

- 
EMPLOYEES
 Our employees are multi-disciplined, passionate, customer-focused teammates that seek collaboration. They are passionate leaders embracing our just cause: we seek to increasingly benefit society, the environment and the economy.
- 
CUSTOMERS
 Our customers care about the triple bottom line. Sustainability is their commitment while they share our values to do no harm to health and human life. Our customers are in the business of chemistry: specialty and petrochemicals, life sciences, biologics, They are refineries and complex chemical sites, research and development centers, holding companies, both public and private. Many are members of the American Chemistry Council, SOCMA and ACD. Our customers frame our future.
- 
SUPPLIERS
 The combined capabilities of our suppliers are unmatched. We strive together each day with our suppliers to safely deploy our solutions, going beyond compliance. We believe that our suppliers make up the largest network of waste and by-product services in North America.

- 
NEIGHBORS
 Individually and collectively, the WTS team serves their neighbor. Our services are designed and implemented to cause no harm to health or the environment. Our individual talents and passions drive us to share what we have – to help and be helped. Collectively WTS creates value for society through fundraising and community commitments to help children both locally and globally.
- 
REGULATORS
 WTS was founded at the onset of the Resource Conservation and Recovery Act (RCRA). Today we serve as an extension of regulatory compliance for our clients and suppliers. We stay abreast of the changing regulatory landscape.
- 
EMERGENCY RESPONDERS
 On the front lines, we provide the support, documentation and resources to allow emergency responders to perform their critical activities safely.

WTS' established goals that are helping our stakeholders enable a sustainable future:

Sustainable Practices



WTS supports chemical manufacturers who are responsible for the impacts of their products and operations. To support this responsibility, WTS undertakes stringent practices to protect human health and the environment which continue to be verified by independent auditors and supported by data reported through Responsible Care®.

Healthy Climate



In 2022, WTS continued to examine and develop new services promoting renewable energy sources and chemical-based products that support the global fight against climate change while safeguarding the environment.

Reimagining Resources



WTS aligns its goals with the American Chemistry Council (ACC) and its members in support of their pursuit of a more circular economy. Our efforts demonstrated progress in prioritizing resource conservation and efficiencies as well as material management innovations that enable direct reuse, recycling and recovery solutions resulting in greater value from materials that have traditionally been discarded.

WTS Goals

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.



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 following Guiding Principles in order to achieve our goals, including enhancing the Sustainability of our Stakeholders.

WTS' Quality and Responsible Care® Policy Statement

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.



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.

Michael Wurst, WTS' President & CEO has made a commitment to uphold 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



RESPONSIBLE CARE[®]
OUR COMMITMENT TO SUSTAINABILITY

Stewardship Rooted in Responsible Care®

In 2022, 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.”



BRIAN CALIENDO
RESPONSIBLE CARE® COORDINATOR

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

ACC Awards

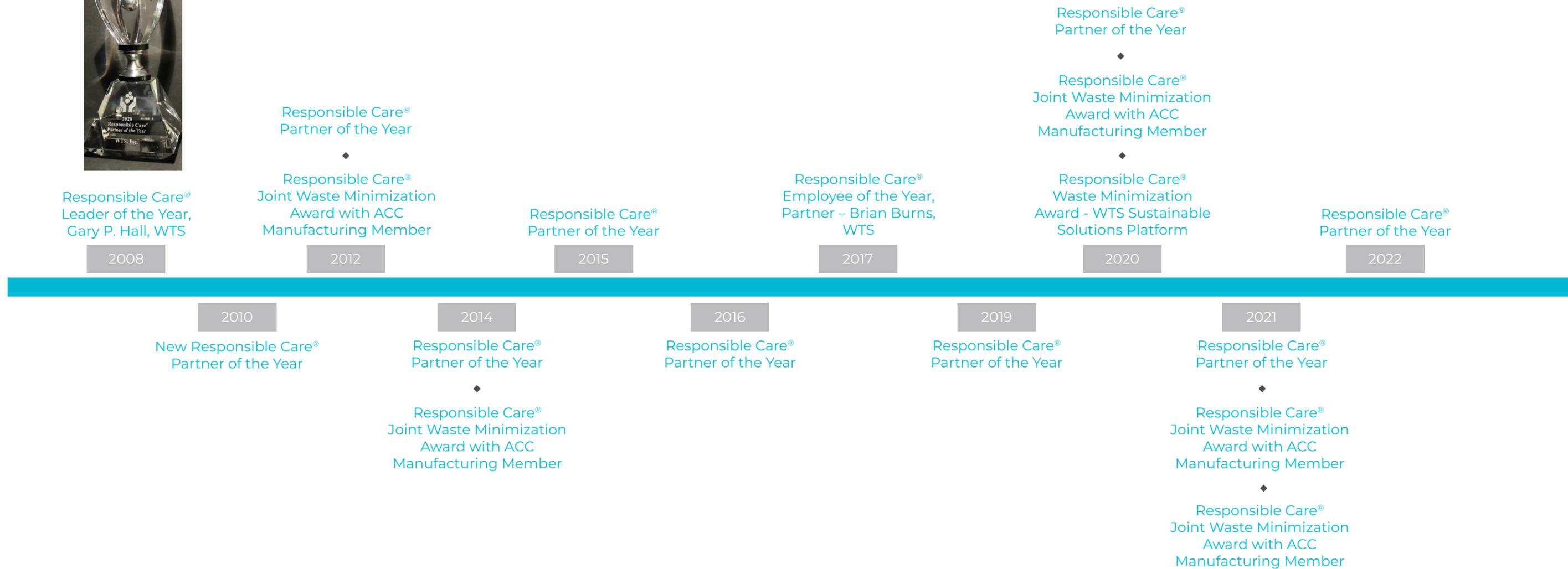
At the 2023 ACC Responsible Care® Awards Program, WTS was recognized as one of the Responsible Care® Partner Companies of the year. This award recognizes WTS for its superb performance and safety record, taking into account activities during 2022 dealing with the distribution, transportation, storage, use, treatment, disposal and/or sales and marketing of chemicals.

In 2022, WTS continued to use our Responsible Care Management System® as the framework for our Sustainability Mission and our 2022 Annual Report.

WTS, has been recognized by ACC as Responsible Care® Partner of the Year for nine years. Additional awards and recognition are highlighted below:



Brian Burns & Brian Caliendo of WTS receiving the 2022 Responsible Care® Partner of the Year award



RCMS Surveillance Audit

WTS underwent a third party RCMS Surveillance Audit on 9/6/22 and 9/7/22. There were no minor or major non-conformances found. The audit was conducted under the 2019 Technical Specifications. The following points were highlighted as management strengths by the auditor:

1. "The level of commitment and pride of ownership was evident throughout the RCMS discussions."
2. "High level of communication up and down the organization was evident during many of the topic discussions."
3. "Documentation that all HASPs (Level 3) documents are reviewed annually was available."

The results of the 2022 audit verified that our RCMS remains suitable, adequate and effective for the scope of our operations.

The following message was distributed to all WTS stakeholders from Gary Hall, Founder and Chairman of WTS, post audit:

"What a fantastic journey we have experienced since joining the ACC to living and breathing the Responsible Care® ethic in all that we do. Being safe every day in all that we do is always our #1 priority and our RCMS® is our process that guides us there in all of our activities."

The audit serves as a checkpoint on our road to success and once again the WTS Team has performed at the highest level and for that we are sincerely grateful. Let's continue on our road to success as we approach our 40th anniversary throughout the new year."

Responsible Care Management System®

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

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.

During 2022, WTS personnel participated in conferences, panels and as speakers promoting the Responsible Care® Ethic and Sustainability Commitments in the chemical industry.

- Brian Burns, Director of Responsible Care® presented at the Annual SOCMA Environmental Conference in November of 2022 on the topic Mining Waste for Value
- In May of 2022, Tom Stanczyk, Zero Waste Strategist, served as a panel judge for the best sustainability/research projects presented at the International Students Science Fair hosted in Lewiston, NY.
- At the closing ceremony of the International Students Science Fair, James Lotterer (ESG Coordinator) and Tom Stanczyk presented on the topic The Critical Role of Chemistry and Its Role for a Circular Economy.
- Brian Burns participated virtually at ACC's 2022 Global Chem Conference with a presentation in conjunction with Covestro, SOCMA and the USEPA on the topic Transitioning Hazardous Wastes to New Chemicals.

Promoting Responsible Care® Ethic & Sustainability

RCMS Annual Update

WTS published a summation of all its RCMS® activities during the 2022 calendar year. The following updates and relevant accomplishments are highlighted in support of our efforts to enhance the sustainability of our stakeholders.

- 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.

WTS’ Annual 2022 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 2022 Annual Sustainability Report.

In 2022, 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 that 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 2022, WTS was awarded a Silver medal (top 25%). WTS is committed to improving its EcoVadis medal status in alignment with the company’s Responsible Care Management System® and our sustainability commitments.



Ecovadis

RCMS® Documentation

WTS continues to maintain, audit, and continually improve documented procedures to support the effective and consistent implementation and maintenance of the company's Responsible Care Management System® (RCMS®). The RCMS® Documentation structure includes:

Level 1: The RCMS® MANUAL

- The RCMS® manual describes the RCMS® scope, policy, and core elements of the RCMS® that conform to the ISO 9001 (2007) Quality Management Systems standard.

Level 2: MANAGEMENT SYSTEMS PROCEDURES (MSP)

Level 3: RCMS® OPERATIONAL CONTROL PROCEDURES, HEALTH & SAFETY PROGRAM/PROCEDURES (HASP), ENVIRONMENTAL MANAGEMENT PROGRAM/PROCEDURES (EMP) and QUALITY MANAGEMENT

- Procedures to ensure that individual activities are undertaken in a systematic and controlled manner to conform to the WTS RCMS® policy commitment

Level 4: EXTERNAL DOCUMENTS

RCMS® related procedures/documents authored and controlled by stakeholders that describe required action by WTS to conform to the WTS policy commitments include agency regulations, ACC requirements, TSDf blank profiles, and customer requirements

RECORDS

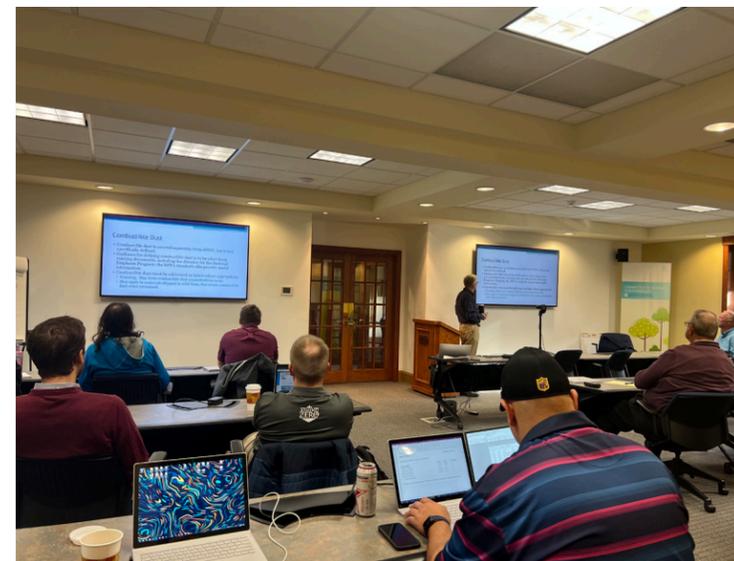
- Documents that are maintained and preserved by WTS to illustrate specific RCMS® related requirements have been completed.

During 2022 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



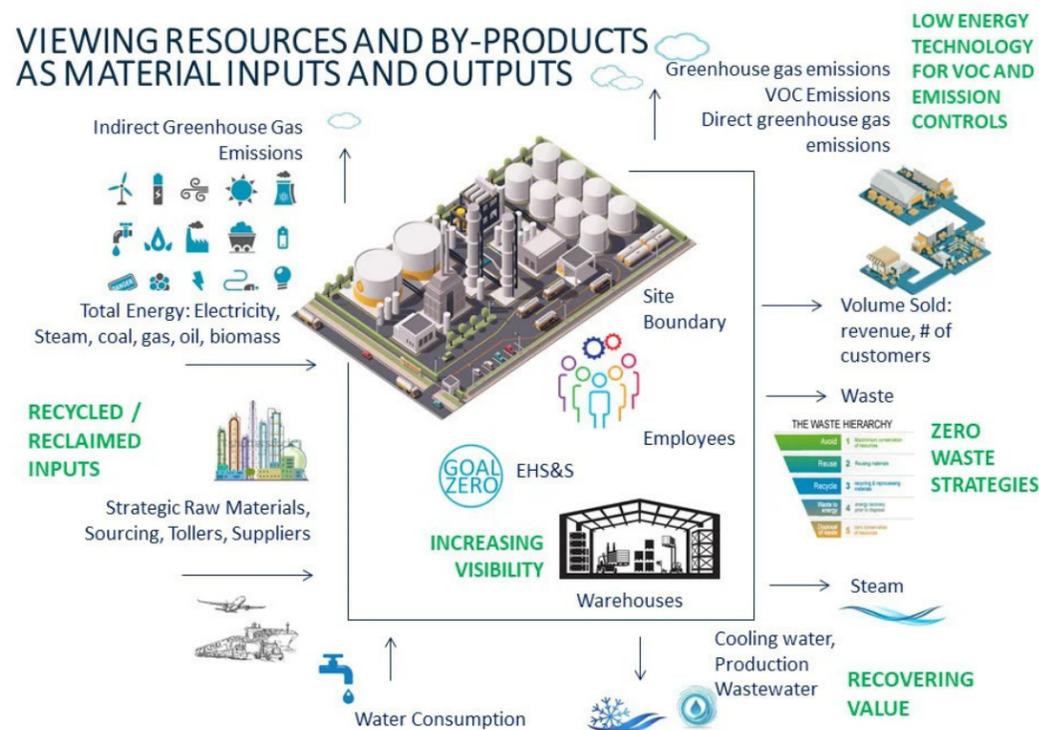
Training

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.

Chemistry for Sustainability

WTS, in alignment with the American Chemistry Council (ACC) and its members, believes chemistry plays an integral role in solving our world’s sustainability challenges. WTS is committed to advancing safe, innovative, effective, and economically viable chemical products and technologies that are key to unlocking sustainability solutions.

WTS’ Executive team continues to support the following ACC’ sustainability commitments:

- Promoting the safe use of chemicals, informed sustainability decision-making and accelerated innovation
- Addressing environmental impacts of our operations and products, including conserving materials and resources, and reducing waste through re-use and recycling
- Going beyond regulatory requirements to manage, monitor and report progress through Responsible Care®, which includes:
 - Systems to improve chemical safety
 - Third-party certification of practices and systems, and
 - Transparent reporting of results
- Collaborating with others to fulfill our commitments to sustainability

WTS’ Responsible Care Management System® is the centerpiece of our commitment to sustainability as well as the development of safe and innovative technologies and service solutions designed to effectively manage unused chemicals and chemical by-products and regulated waste. Our company continues to align its RCMS® and sustainability commitments with the following ACC commitments to sustainability goals.

- Healthy Climate
- Safe Chemistry
- Quality of Life
- Clean Water and Sustainable Practices

Sustainability Priorities

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 recognized as a global challenge that needs long-term commitment and action by every segment of society.
- WTS is working 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®.



Water

- WTS is supporting 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 customers operate.



Circularity

- In alignment with our company’s mission, 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 is tracking progress toward a circular economy by not only documenting the responsible use of natural resources, 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.



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 2022, 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

SMM Inquiry Portal

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, distributors, 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 2022, including:

- 288,150 lbs of Silica Slurry
- 257,578 lbs of mixed lubricating oils
- 254,560 lbs. of non-hazardous production waste
- 187,280 lbs of soil

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 2022, WTS collaborated with a client at 3 of their locations for direct reuse of over 1,720,000 lbs. of by-product solvents including:

- Cyclohexanone
- IPA
- N-butyl Acetate
- Methyl Isobutyl Carbinol
- IPA
- NMP

WTS has a business partner in our extensive network of chemical distributors that is able to sell this material 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 transaction is being carried out to the highest safety standards. This relationship allows our client to avoid waste disposal costs and generates ongoing revenue instead, while the buyer adds reused solvents to their product lines, thereby avoiding the embedded emissions associated with the production of new virgin raw material.

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 2022 WTS partnered with our clients and our suppliers to recycle over 174,000 lbs of ethanol and hand sanitizer, avoiding traditional disposal methods.



Goal Zero - Safety

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.



Michael 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’ 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



Reuse, Re-Purpose, Recycle

In 2022, WTS continued to support its customers with their on-going challenges to divert construction & demolition debris, production packaging and industrial by-products as well as rejected and discarded containers from landfills and waste-to-energy operations.

Working with our pre-qualified network of suppliers and business partners, WTS facilitated the development and implementation of sustainable material management service solutions resulting in the direct reuse, re-purpose and recycling of plastic, fiber, metal and glass containers and packaging. The company's SMM inquiries include, but are not limited to:

- empty drums and pails
- empty IBCs
- supersacks
- polypropylene bottles
- polyethylene packaging
- high-density polyethylene drums and packaging
- borosilicate glass vials and bottles
- single-use plastic products

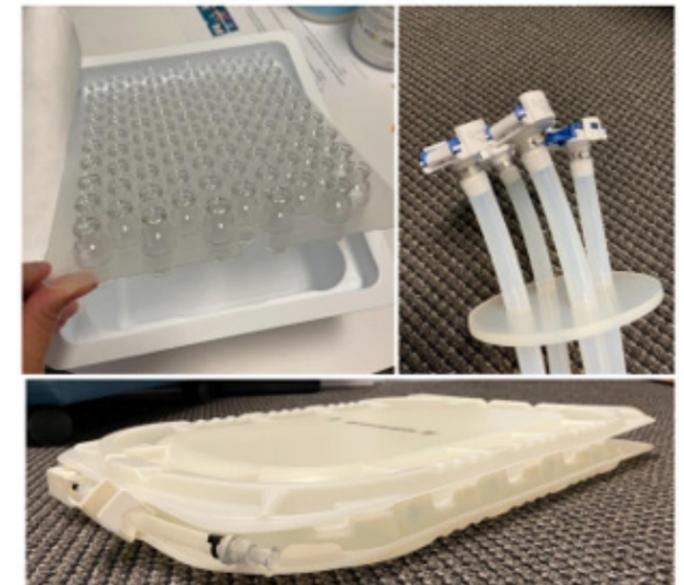


Plastic Products & Packaging

In 2022, WTS pre-qualified businesses specializing in the sorting, shredding, separation and re-processing of unused/discarded plastic products and containers with the goal of removing contaminants and recovering resin(s) for commercial sale and reuse.

WTS coordinated sample evaluations, accumulation and conveyance, and out-bound material logistics with pre-qualified facilities specializing in destruction, processing and recycling of recovered resins and packaging. The technologies that were evaluated by WTS are capable of processing plastics shipped in bulk and containers, for example drums and totes. To address confidential concerns, technologies were selected on the basis of their ability to shred content and separate any liquid content as well as product contaminants negating consideration for further processing and recovery of components targeted for commercial reuse.

Some examples of the plastic products and packaging are illustrated below.



Recycling Plastics

WTS joins the many voices calling for a Global Plastics Treaty, currently being developed by the UN, in the hope that it will advance a more sustainable, circular economy.

In 2022, a United Nations Assembly in Nairobi is negotiated the terms of a Global Plastics Treaty, which if ratified could be the most significant international environmental action since the Paris Climate Accords. This treaty aims to **“address the full lifecycle of plastics and promote a circular economy”**. It is widely supported by industry actors, including the American Chemistry Council (of which WTS is an affiliate member) and NGOs. Momentum towards the treaty increased when the United States announced its support of the treaty, reversing its prior position. WTS welcomes this change in position by the United States and joins the chorus of voices advocating for a Global Plastics Treaty.

Broad and swift action is required to counteract the ever-increasing quantities of plastic and microplastic in the environment and the growing carbon footprint of plastic production. We hope that this Treaty can provide a framework for global action on plastics pollution while helping to advance circularity in the plastics industry.



Recycling Unused / Discarded Raw Material Containers

Reusable IBC's



Recyclable Steel Pails



WTS continued to support its customers with service solutions resulting in the direct reuse and recycling of unused as well as discarded empty containers used to convey raw materials.

Examples:



Unused Drums Directly Reused

Fiber Products & Packaging

In 2022, WTS continued to support manufacturers and warehouse/distribution centers with their on-going efforts to commercially reuse and recycle fiber-based products and packaging. Sustainable service solutions focused on productive improvements with the utilization and management of facility resources allocated to:

- the on-site handling and accumulation of sorted quantities of unused and discarded paper products as well as product packaging
- conveyance of bulk and containerized fiber-based materials
- processing of materials requiring brand destruction/shredding and baling to optimize load weights
- optimizing load weights of outbound shipments to businesses pre-qualified for recycling



Managing Hazardous Waste

In 2022, 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 hazardous waste codes and methods of management
- profiling individual waste streams for pre-defined supplier acceptance
- preparing documentation 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 employees handling and transporting waste while minimizing releases to the environment.



Remediating Warehouse / Chemical Storage Area



In 2022, WTS personnel assisted a specialty chemical manufacturer remediation of a warehouse of unused chemicals as well as chemical storage areas by properly managing container contents in a manner that minimized potential risks created by releases and unused hazardous and non-hazardous chemicals to the workplace and surrounding environment. The chemicals identified at the facility had been in storage for multiple years. In addition to dealing with container integrity, WTS identified multiple accumulation areas for chemicals no longer used by the facility.



Working Together with our customer, WTS' environmental personnel leveraged their expertise and supplier relationships to profile individual containers, including the unknown contents of several hundred containers, for outbound transport and proper disposition. The scope of this project addressed challenges posed by hazardous and non-hazardous chemical contents staged in: totes, supersacks, bags, and variable sized containers. The materials were all effectively re-packaged, handled and conveyed in accordance with regulatory compliance standards and workplace safety protocol. The sustainable solution involved WTS' pre-qualified network of suppliers and on-site operating protocol aligned with WTS' Responsible Care Management System®.

Sustainable Facility Decommissioning Solutions

Working Together, WTS embarked on a major decommissioning and closure project that involved every aspect of WTS' service offering.

One of WTS' customers decided to phase out and close a campus of manufacturing, maintenance and utility operations to facilitate commercial sale of assets and property. WTS served as project manager overseeing a network of industrial cleaning contractors, a network of pre-qualified suppliers and a professional team of WTS environmental professionals coordinating on-site services and customer requirements.



WHERE OBJECTIVITY FLOURISHES

The scope of this project involving multiple manufacturing plants, process and chemical tanks, scrubber systems, drainage systems, piping, warehouses and utility operations. WTS' sustainable solutions involved the management of generated materials requiring commercial reuse, recycling and proper disposal. WTS personnel coordinated the: packaging of lab chemicals, the management of hazardous and non-hazardous chemicals and products in tanks, totes and containers, the commercial reuse of chemicals and products using WTS' SMM Portal, handling of recyclables and reusable supplies, as well as all material logistics. Working Together with our customer and its engineering contractor, WTS was able to deliver sustainable solutions that met all facility decommissioning and decontamination requirements allowing for the commercial sale of the property.

PFAS Mobile Treatment Case Study

PFAS contamination is increasingly becoming a hot topic in the waste management industry and how to cost effectively and responsibly manage potential contamination continues to be an issue. Recently, a long term WTS client was posed with a challenge that required an innovative solution.

The WTS client in question had a leaky check valve in their fire suppression system and about 100 gallons of Aqueous Film Forming Foam (AFFF) spread into the fire loop. The facility was able to capture and contain about 50 gallons of the fire foam, but roughly 50 gallons spread through the fire loop contaminating approximately 500,000 gallons of water. With an upcoming change in ownership and no need for AFFF moving forward, the client was faced with the costly project of removing the contaminated water that remained in the fire loop. Transporting more than 500,000 gallons of PFAS contaminated water off-site would have been a costly endeavor, so WTS and our client worked together to find a more cost effective and sustainable solution.

WTS evaluated options with various industry partners and underwent a pilot study to determine feasibility of an on-site treatment solution. The goal was to understand if there were on-site treatment options to successfully remove the PFAS contamination and then discharge the clean water through the on-site Waste Water Treatment Plant to the local Publicly Owned Treatment Works (POTW).

The first step was to understand the contamination levels of the impacted water. Samples were taken at various points throughout the fire loop and an analysis was completed to test for PFAS by isotope dilution, using the EPA Draft Method 1633 analyte list. It was determined that levels of contamination varied throughout the fire loop, with the highest concentrations being at the points closest to the initial leak. The highest levels of contamination were elevated to 39,300 PPT (for 6:2 FTS), well above the drinking water standard of 70 PPT for PFOA and PFOS (combined).

A small scale pilot test was conducted using a simple Granulated Activated Carbon skid. A representative sample was run through the column and a sample of the treated water was then sent off-site for analysis. The treated water from the pilot test showed contamination levels at 20 PPT or lower, and PFOA and PFOS were non-detect after treatment, showing the use of Granulated Activated Carbon was successful in treating the contaminated water.



The state where the project took place had only seen 2 other similar PFAS projects, so this was a new concept for the state and local regulatory agencies as well. WTS and the client worked with the state and local authorities to demonstrate the effectiveness of the on-site treatment and obtain approval to proceed with setting up a large-scale treatment on-site to manage the water. The client was given approval to discharge the treated water, as long as constant testing continued to show PFOS + PFOA less than 70 PPT.

Contaminated water from the fire loop was collected in an on-site storage tank and WTS's partner deployed and set up a Granulated Activated Carbon treatment system using 3 vessels in series, with a 4th unit on standby if a carbon changeout was required. Water was run through the system at 40 GPM for about 7 weeks. The fire loop was triple rinsed and the rinsewater was treated as well. Samples were pulled twice per week throughout the duration of the project to consistently monitor for breakthrough in the carbon and to show that PFOS & PFOA remained below 70 PPT throughout the process.

Ultimately, about 1 MM gallons of water were treated in the system and discharged to the local POTW. The only waste generated to be shipped off-site was 16 drums of contaminated Activated Carbon and a drum of debris/filters generated from the treatment. This resulted in a waste reduction of about **99.93%** by not having to ship the water off-site for disposal and was also provided a cost savings in the millions of dollars.

Environmental Program Managers

In support of our sustainable service offerings, WTS has a dedicated, multi-disciplined team of experienced environmental program managers.

In 2022, this team of environmental professionals created value by addressing customer challenges and on-site service requirements encompassing the proper management of regulated waste.

- On-site services
- Compliance Audits
- Packaging Lab Chemicals
- Profiling Waste
- Collecting Samples
- Shipping Documentation
- Coordinating Waste Transactions
- Training
- Evaluating Solutions
 - Reduction
 - Reuse
 - Waste to Energy
 - Treatment
 - Incineration
 - Land Disposal
- Performance Reporting Tracking Transactions and Updating Performance Reports in alignment with customer goals and KPIs demonstrating progress in environmental excellence.



Warehouse Chemicals & Packaging

In 2022, WTS assisted several of our customers by developing, implementing and managing service solutions for the following materials generated by their warehouse operations and chemical distribution centers:

- Slow-moving consumer goods
- Obsolete/expired chemical raw materials and products
- Damaged chemical inventory
- Off-spec/expired products and chemicals
- Discarded chemical inventory and packaging
- Packaged containers
- Regulated hazardous and non-hazardous waste including e-scrap
- Discarded containers (totes, drums, pails, supersacks, etc.)
- Plastic packaging
- Wood and plastic pallets

The company provides a dedicated team of environmental professionals who addressed the following 2022 on-site services:

- Container packaging
- De-packaging inventory and sorting contents for proper reuse and disposal
- Assimilating documentation for outbound shipments
- Compliance review
- Emergency response
- Logistics/equipment management
- Tracking and reporting material transactions

The service solutions aligned with our Responsible Care® Beyond the Fenceline program offering enhanced sustainability by:

- Ensuring workplace health and safety
- Managing compliance requirements
- Minimizing risks posed by chemical management
- Creating value by minimizing unnecessary waste



Warehouse Chemicals & Packaging

Single Source Service Provider

In 2022, WTS enhanced the sustainability performance for a large consumer goods manufacturer by serving as a single-source service provider for the company’s 54 waste generating locations. In alignment with WTS’ RCMS®, WTS has a dedicated team to support the customer’s locations by:

- Securing solutions for the direct reuse of unused raw materials and products such as coated paper
- Recycling hazardous and non-hazardous waste, including consumer goods
- Beneficially reusing regulated solid wastes
- Treating and responsibly disposing of regulated waste that cannot be reused or recycled
- Supporting efforts to ensure compliance while continuously improving environmental performance
- Supporting efforts to remediate spills
- Cleaning and removing unknown chemicals as well as obsolete products from warehouse operations

Year	Sustainable Solutions Managed by WTS for Generator in lbs.	Sustainable Solutions as a % of Total Material Managed by WTS
2019	58,386,839	72%
2020	44,755,363	68%
2021	36,289,473	78%
2022	28,808,377	70%
Total since 2014	413,4481,538	70%

Our WTS systems supplier approach with one of our clients has **delivered over \$3.5 million in savings**, while deploying **sustainable solutions for 413 million lbs.** of by-products since 2014. During this same period, 587 million lbs. of materials have been safely managed by WTS through our Responsible Care Management System® **without incident, violation or claim.**

Monthly Stakeholder Message & Updates

In 2022, WTS published monthly stakeholder messages from Michael Wurst, WTS’ President and CEO, along with technical blogs and references addressing regulatory updates, emerging legislation, waste management challenges and solutions, sustainability and workplace safety. Among the articles and topics highlighted included:

- Rules around speculative accumulation for secondary hazardous materials
- TSCA implications of managing by-products for commercial reuse
- USEPA’s e-Manifest updates
- Safety Always
- Ensuring RCRA Compliance at warehouse and third-party locations
- Finding value in by-products and materials through recycling and reclaim
- Recycling updates dealing with glass, plastics, metal cardboard paper and electronics
- Challenging each other to responsibly exit RCRA to power the Circular Economy
- EPA’ s memorandum on incineration market backlog
- PFAS regulatory trends
- Momentum at the state level for extended producer responsibility legislation
- Zero Waste and landfill avoidance

Team Huddles

Throughout the year, Mike Wurst, WTS’ President & CEO moderated company-wide Team Huddles. These Team Huddles reinforced the company’s commitments, of working together to enhance the sustainability of our stakeholders and our conformance with the core policies outlined in our Responsible Care Management System®.



2022 International Student Science Fair (ISSF)

During the week of May 20 - June 4, 2022, the Lewiston-Porter Central School District and Niagara University were honored to host the 2022 International Student Science Fair (ISSF).



The ISSF is the signature annual event of the International Science Schools Network and involves an annual gathering of high schools from around the globe to provide a platform for students to engage in scientific research and education.

The ISSF is an opportunity for students from around the world to come together to learn and share their passion for science in a multi-cultural environment. Participating students promote and engage in scientific research exchanges, by presenting their research projects through poster presentation and defending their research to panels of expert judges.

Thomas Stanczyk and Dean Cattieu represented WTS as expert judges for research and presentations promoting sustainability by benefitting the environment throughout the world.

While the students presented their projects, principals and teachers attended workshops and meetings to share their experiences and knowledge promoting the importance of Science, Technology, Engineering and Mathematics (STEM) education. Lewiston-Porter Central School District was honored to host this incredible event and to have the privilege of bringing the world's best STEM students to Western New York.



At the closing ceremony, Thomas Stanczyk and James Lotterer represented WTS as keynote speakers. WTS' keynote address was titled: "The Critical Role of Chemistry for a Circular Economy".

The presentation highlighted examples of how chemical industry sectors are committed to playing a key role in the systematic transition to the Circular Economy. Referencing the American Chemistry Council's business of chemistry, circular economy career opportunities and challenges were featured for the student participants.

Sense of Community is one of the ISSF's goals that allows for continued advancement of science and science education across the world.

"The success of our event was only highlighted by the involvement of WTS. We are grateful for their support of our goals to promote STEM education and learning in our community".



Community Outreach

As part of our community outreach WTS supported:

- Ralph C. Wilson, Jr. Niagara Community Center
- EduNations – schools in Sierra Leone
- First Tee of WNY
- Cystic Fibrosis Foundation
- Rivershore Foundation
- Greater Niagara Fishing Odyssey for Kids
- Niagara Falls Memorial Medical Center Foundation
- Mount St. Mary’s Hospital Foundation
- Buffalo Sabres Alumni Foundation
- Ride for Roswell Sponsor
- Air & Waste Management Association Niagara Frontier Environ
- Summit Life Outreach Center Inc
- The Community of Caring Hearts Charity
- Village of Lewiston Recreation Department Annual Spring Fling & 1 Mile Fun Run for Kids
- HANCI (Health Association of Niagara County)
- Westchester Parks Foundation
- Heart Love & Soul Food Pantry
- Cartagena PAWS
- Holiday Gift Drive for Niagara Falls elementary and middle school families in need



Beaver Island State Park Cleanup in Grand Island

In April, 2022, 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.



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 2022. EduNations educates over 3,700 students and employs over 122 teachers in 15 schools throughout 6 remote villages in Sierra Leone.



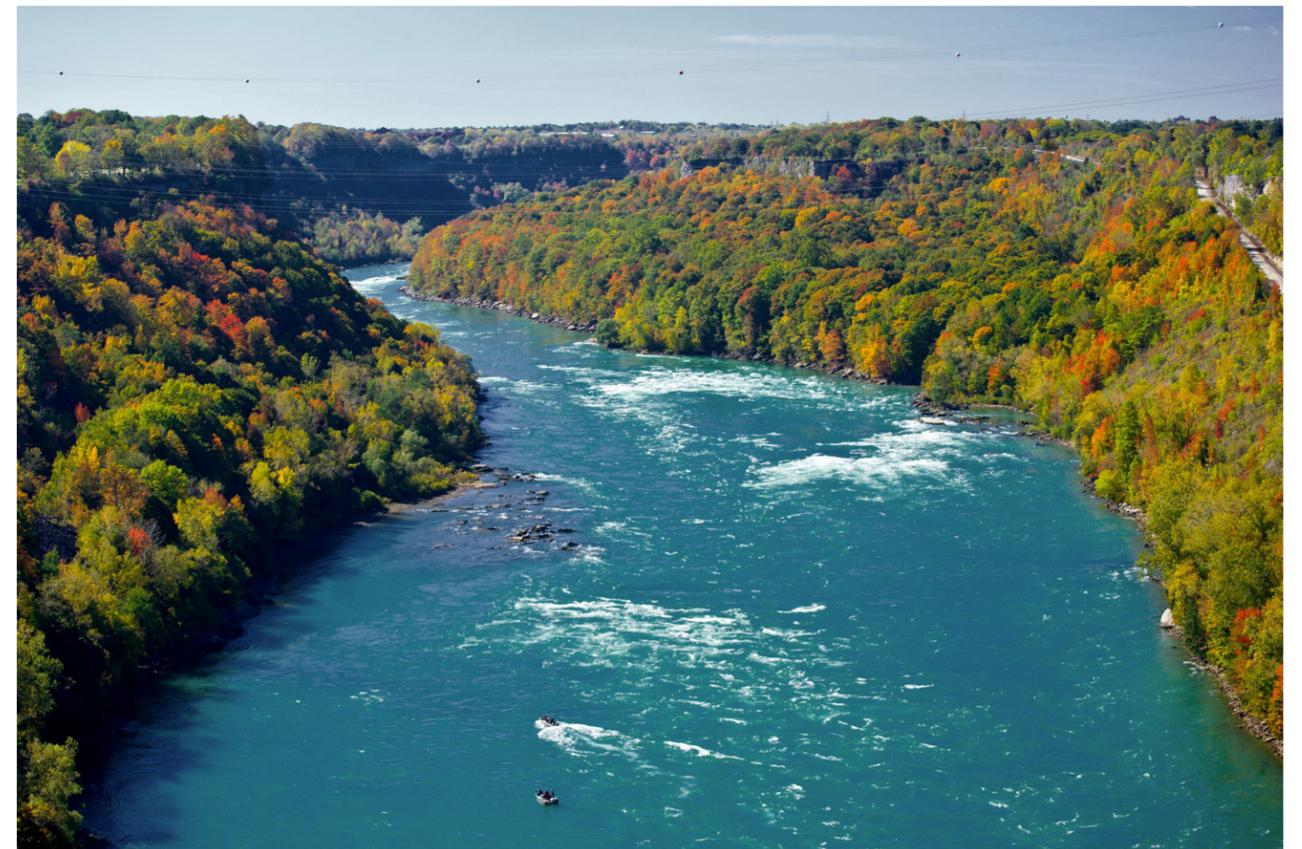
Community Outreach

E-Waste Event at WTS

On June 15, 2022, 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 WNY.



Where Objectivity Flourishes





LEWISTON, NEW YORK