





Our Odor Control Services

Conventionally Masked. Solving is Hitting the Source





Neutralization at the Source

- PROPIETORY formulas rapidly reduce odors and a wide range of volatile organic compounds (VOCs), including ammonia and hydrogen sulfide. H2S
- Products are designed to have dual action (gaseous and substrate) and begin working in minutes, reacting biochemically with odor-causing molecules, breaking down volatile organic compounds upon contact
- We will put BioScience and Spectra-Flo up against any competitive product.



Atomized Misting Systems

- We engineered better systems because **others wasted chemical** and in doing go so ran up budgets and were at best moderately effective.
- One of the most efficient systems for odor counteraction we created and our formulas are then diluted with water and then pressurized to 750 1,000 psi to create fine atomization at dispersal nozzles.
- We'll put all of our formulas up against the competition to prove that it is not apples to apples.



Vapor/Dry Systems

- Best for cold environments and sites trying to keep the peace with surrounding residents without heavy odor problems.
- Vapor systems are easy to maintain and quick to assemble and deploy.
- We've learned how to design the most efficient systems by seeing how the competition does it in the field



Custom Hardware & Targetting

- No organization has the equipment we do. We constantly strive to enhance our designs to meet your needs better In ORDER to provide industry-leading uptime, efficiency, and operational lifespan.
- Our systems are ENGINEERED, DESIGNED, AND MANUFACTURED IN HOUSE to be flexible and adaptable to your changing requirements.
 Working face, perimeter, pond, transfer station, mobile systems, POINT SOURCE.







Unsatisfied Customers

About Us We've worked along side all the leaders in odor control We're a bunch of do gooder pricks, but we're really good. GreenIron powered by Resources By EWS, we're not just at the forefront of odor control remediation for landfills; we are the pacesetters, the innovators, and the trusted experts within this crucial environmental field. Our mission goes beyond merely doing business; it's about safeguarding communities, protecting the environment, while using cutting-

edge, proven technologies and solutions.

Our original partners company was founded in 1988, was known for our attention to customer's needs, industry leading odor mitigation, and making sure that we answered the phone when called. After a few years working for other suppliers, we knew we needed to get back to our roots. We are now revisiting a part of our industry that has been largely ignored and taken for granted, improving the equipment and service while constantly improving our offerings. We are now the only group that can offer an Eco Friendly odor mitigation with full ISO9000 certified manufacturing support and the closest thing to a "silver bullet" for odor control that the industry has ever had available and we can prove it.

Our team consists of **experts in environmental science**, **engineering**, **and technology**, all working together to tackle the challenges of odor control & more at landfills all over the world. Through relentless experience, research and development, we've pioneered solutions that not only effectively manage odors but do so in an environmentally responsible manner. Our innovative approaches are tailored to meet the unique needs of each landfill, ensuring the most optimal outcomes every time with quality and costs surpassing the competition. **It's not nearly all about spraying chemical in the air.**

We believe in partnerships. Many of our relationships are decades old. We view every project as a collaboration, working closely with landfill operators, municipalities, and regulatory bodies to achieve shared goals. Our solutions are designed to be sustainable, cost-effective, and, most importantly, effective, ensuring communities can thrive without the burden of landfill odors.

We're more than a service provider; we're a partner in creating a cleaner, more sustainable future. Our track record speaks for itself, with countless successful projects across diverse regions, each highlighting our ability to deliver excellence and innovation in odor control remediation and much more.

The bottom line: we'll out work anybody. On the ground and with practical experience or show us the door.





The most effective odor control substance in the world today, and we can prove it





We'll put our products up against the competition any day of the week and let you decide

Why Does Odor Control Fail?

1 Masks & Doesn't Neutralize or Destroy

- Our odor neutralizer is scentless and "locks-up" the malodor molecule rendering them essentially odorless.
- We take negatively charged malodor molecules & combine it with positively charged odor neutralizer w/Biologic sinking odor molecules or lofting our of area; eventually evaporating
- BioScience neutralizes at point source and reduce H2S by up to 90%

Poor Equipment, Design and Clogged Nozels

- Most nozzles are not specifically designed to handle the solution and clog continually ours are specifically designed and proprietary for our team
- Vapor and misting designs are not engineered to sufficient service factors to maximize uptime and are in most part poorly designed.
- Service schedules are too few and far between
- We fixed these critical gaps to give your site a more effective and efficient program for odor mitigation

3 Ineffective/Diluted Products

- Our average competitor dilution rate is 96% water
- Suppliers dilute after initial start-up period "bait and switch" (calling a spade a spade)
- "Cutting" products never ends well
- The right product and dilution ratio is critical
- We'll put ours in a lab vs. theirs any day of the week to prove it

We have the ONLY product that can knock down H2S by up to 90%





Our Secret Weapons







BioScience (



H2S and Ammonia Reduction in an Odor Control Formula Like Nothing Else

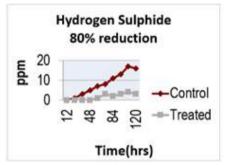
Direct from the Plant

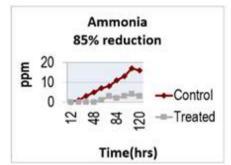
We've got relationships that go back 6 decades with our manufacturers and cut out all middlemen

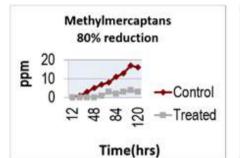


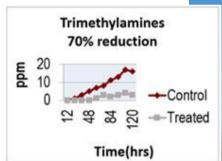
BioScience

- The ONLY compound available in the market to actually neutralize odors. TEST IT.
- Inhibits the formation of: H2S, Ammonia, Trimethylamine, Methylmercaptans
- Increases methane generation by up to 30%









Advanced Equipment that Does NOT Waste chemical

- The problem with odor control application equipment: it is NOT efficient
- We manufacture in house with the highest ratings for service standards, pressure to environment and chemical in order to ensure you get the effectiveness you need to be a good neighbour and use the least amount of chemical.
- Diesel, gas, solar, direct application





Meet The Management Team

We know landfills, transfer stations & a whole lot more

We're a family based company and don't believe in corporate first mentality. Our team strives to be the best at everything we do and we have one simple rule we follow; "Never Give Up".

follow; "Never Give Up".
We'll outwork anyone to
make sure your needs aren't
just met, they're exceeded.

















Richard Wiseman
Operations and Field
Support

Garret Born
US Operations

Jiggs O'Shields
Operations & Service
U.S. Southeast

Quenten Quen
Operations & Service
Western U.S.

Our Group of Companies











CONCENTRATIONS, **SCENTS & EQUIPMENT**

When it comes to effective odor control programs there are 4 critical components that work together harmoniously to keep near by residents happy. We've know the formula and have the best products in the industry

WE UTILIZE SCENT TRACERS **PATENTED & PROPRIETORY FORMULAS**

ISO 9000 CERTIFIED

1, 5, 55, 275 GALLON CONTAINER OPTIONS









CONCENTRATIONS & QUANTITIES







(4000:1)**T3**



SCENTS

- HOLIDAY
- REDFRUIT
- CITRUS
- ALMOND
- EVERGREEN
- CUSTOM



1, 5, 55, 275 GALLON | ECO, VAPOR, ATOMIZER, DIRECT APPLY

EQUIPMENT

WE CONSTANTLY STRIVE TO ENHANCE OUR DESIGNS TO MEET YOUR NEEDS BETTER. OUR GOAL IS TO PROVIDE INDUSTRY-LEADING UPTIME, EFFICIENCY, AND OPERATIONAL LIFESPAN. OUR SYSTEMS ARE DESIGNED TO BE FLEXIBLE AND ADAPTABLE TO YOUR CHANGING REQUIREMENTS. THEY ARE EASIER TO EXPAND AND PERFORM REGULAR MAINTENANCE ON WHILE OPERATING. WE ARE THE ONLY FULLY IN HOUSE SUPPLIER IN THE MARKET.

- INDUSTRY LEADING SAFETY AND SERVICE FACTOR ON ALL **COMPONENTS**
- PROPRIETARY NOZZLES WITH A 30% LARGER FILTER AREA THAN ANY OTHER ODOR REMEDIATION OUTLET
- DIESEL, GAS, AND ELECTRIC OPTIONS AVAILABLE
- DIESEL AND GAS OPTIONS ARE DESIGNED TO RUN MULTIPLE DAYS **BETWEEN REFUELING**







Equipment Overview

The historical equipment in odor control has been largely ignored. Either the components are purchased and resold as a "one size fits all" or manufactured to work, and that was it. The team at Resources By EWS took their decades in industrial equipment (including equipment in landfills) and redesigned each option to ensure the highest safety and service factor for our customers.

The difference for our customers - We utilize industry leading safety and service factors. Service factor means the highest uptime, safety factor means the longest lasting equipment in the field. We do not overlook the details of each component that makes up a system. Our industry leading misting system looks completely different than anything else, because it is, from our filtration before the pump, to our manifold system, to the highest quality five core hose, to our proprietary - in house designed - nozzles, we approach our systems with pride and with one goal: uptime.

We are proven innovators that can address odor concerns at many parts of the landfill. Our team offers the only tipper mounted system that addresses some of the biggest causes and concentrations of odors – the working face. The system has been in development since Scott Haynes' time at Columbia Industries, and is now on the third generation, each one improving from the last. The newest system can attach to a CAT TIII HPU via a pump, light bank, and easily accessible components to alleviate the need for additional trailers on the working face. The system operates off of simple, off the shelf parts that are commonly used on our equipment and others around the landfill/site.

The GreenIron Group team approaches every project with the same goal - to ensure that the equipment, odor remediation, and integrity of all is held to the highest standard. Our service team practices this every time they step on your site, from signing in, to sticking with your safety needs, and ensuring that your on site team is not burdened with more work or headaches.

Ask us for our technical data sheets on the equipment that may be right for your site

Applications GreenIron powered by RBEWS has the ability and experience to custom design ANY type of needed odor control mitigation system where you need it



PORATABLE SYSTEMS

Gas skid mounted systems. These portable systems range from 100 ft - 4000 ft. No electricity or water required



SKID MOUNTED

Gas skid mounted systems. These portable systems range from 100 ft -4000 ft. No electricity or water required



TIPPER SYSTEMS

Customized misting system that attaches to the tippers on the working face. No water or electricity is needed installation.



PERIMETER SYSTEMS

GBasic on/off misting system to fully customized multi zone touch screen systems. These misting systems will need water and electricity available for installation.



COMPACTOR SYSTEMS

Misting system attaches to any compactor



POWER

Diesel **Electric** Solar





PORTABLE FAN UNITS

Dual or single fan units with up to 2000 gallon water tanks. These portable fan units generate great dispersion and are easy to move around your site or facility. No electricity or water needed for installation.



we can to reduce your costs

"Resources by EWS show up when called and have surpassed our expectations. We gave them a very short timeline for manufacturing, installation, and have the systems up and running. They made it and we had our systems running and our team was blown away by the results.

" Nicole W. - Waste Connections

"Their service team and communication the highest standard in the business.

" Mike C. - Waste Connections

"Our crew cannot thank the team enough. We call and they show up day in and day out.

" Mike G. - Republic Services



Odor Gallery What Clients Say

We've been entrusted with some of the most critical sites in the industry at the most critical times. Ask us about this and we'll tell you WHY.

REFERENCES DISCREETLY AVAILABLE UPON REQUEST





















Direct from the Plant

We've got relationships that go back 6 decades with our manufacturers and cut out all middlemen



How Does an Odor Control Program Succeed?

Tailored Products/Best Products

- We don't dilute our products. They come direct from the plant to you.
- A smell means different things in different places. We'll share our experience to find the best match and concentration for your needs
- "Cutting" products never ends well
- Our odor neutralizer is scentless and "locks-up" the malodor molecule rendering them essentially odorless.
- We take negatively charged malodor molecules & combine it with positively charged odor neutralizer w/metazyne sinking odor molecules or lofting our of area; eventually evaporating

Proper O&M amd Support

- Better quality components designed to work in harmony. We even provide a manual for troubleshooting
- Systems are designed to use the least amount of product to meet the needs of the site situation and to be able to adapt to changes in site dynamics and weather patterns
- Service schedules are critical to adapt to changing conditions

Experience

- With 30 years of experience behind us we've made lots of mistakes, but have learned so much along the way. We've outlasted them all.
- Odor control is neve "set it and forget it" and that's why we have service coast to coast







West Coast Landfill BEFORE

- Complaints being registered every day
- Multiple vendors already on site
- Regulatory fines are aggressive and resitrictive

COSTS TOO

- Corporate is brought in
- They need a solution fast



Case Study

Complaints Rise 200+%, EWS Brought In With an Aggressive Deadline

Complaints surge due to weather and landfill chemistry anomalies. The site had previously worked with two well established odor control vendors that were falling short. We were given an almost impossible timeline, and we delivered.

Read More





AFTER

- 6 week 6000 ft of perimeter objective met
- Site assessment fits congruently with O&E and RBEWS recommendation
- Complaints fall rapidly
- /REWS now exclusive odor control service and equip suppliers
- Corporate tells other sites to call us and only us



The Process

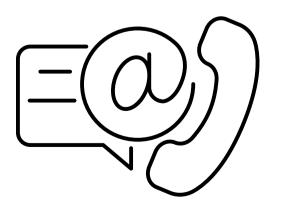
Tell us your story and we'll devise a plan and submit a plan we are super confident in

We're able to provide Demos on site to put us up against your current or our competitive supplier

Select the plan that works best for your site, your budget, your goals and your gut instincts







Contact Us

Every good story has a beginning. It all starts with a shooting the breeze.

Let us know if you think that's a good idea



855 McKay Rd. Pickering ON



1.888.974.7336



Rmarch@greenironengineers.com

dolandfillssmarter.com