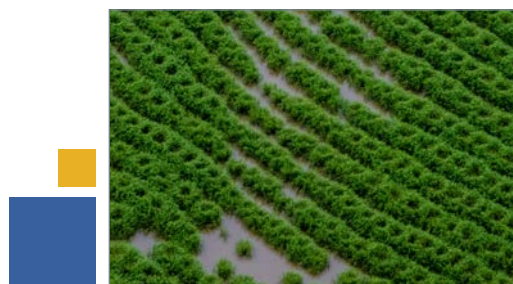
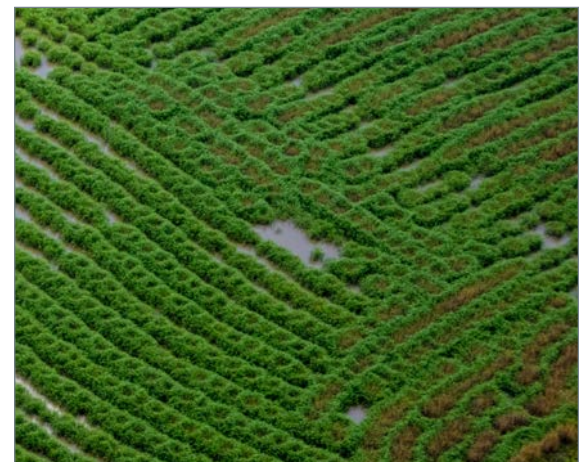




Westlake



# 2019 Sustainability Report

*Enhancing Your Life Every Day®*



# About this Report

In this 2019 Sustainability Report, Westlake describes its approach to sustainability. We share how we are developing products and solutions for a more sustainable future, protecting and investing in our people, managing our environmental footprint, and demonstrating our commitment to being a responsible corporate citizen in the communities where we operate.

Data relates to global operations at our manufacturing sites, pipelines and large offices for 2019, unless stated otherwise. We report on our sustainability performance on an annual basis. Sustainability Reports for 2018 and 2017 can be found on our website at [www.westlake.com/sustainability](http://www.westlake.com/sustainability).

On January 3, 2019, Westlake completed the acquisition of Nakan, a global compounding solutions business. The Nakan assets are now part of the Westlake Global Compounds business, which produces vinyl polymer compounds and stabilizers. The acquisition expanded Westlake's global presence by adding facilities in China, France, Germany, Italy, Japan, Mexico, Spain, the United States and Vietnam, as well as a world-class research facility in France and application laboratories at several sites.

Westlake also acquired in June 2019, DaVinci Roofscapes a supplier of premium composite roofing and siding. DaVinci is based in Lenexa, Kansas, USA and added approximately 100 people to the Westlake family. It is organized as part of the Royal Building Products business.

The newly acquired Nakan and DaVinci businesses are included in financial and some safety data in this 2019 report, but are excluded from data related to product safety, environmental performance, and certain data related to philanthropy and our people. Their data will be included in the 2020 report. Non-material emissions and energy use from our building products facilities are excluded from this report as well.

More information can be found at [www.westlake.com/sustainability](http://www.westlake.com/sustainability).

*This Report contains matters that are not historical facts, but are "forward-looking statements" within the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements could be adversely affected by a variety of known and unknown risks, uncertainties and other factors that are difficult to predict and many of which are beyond management's control. Westlake's expectations may or may not be realized or may be based upon assumptions or judgments that prove to be incorrect. For more detailed information about the factors that could cause actual results to differ materially from the forward-looking statements contained herein, please refer to Westlake's Annual Report on Form 10-K for the year ended December 31, 2019, which was filed with the SEC in February 2020, and Westlake's Report on Form 10-Q for the quarter ended March 31, 2020, which was filed with the SEC in May 2020.*

This report contains references to Westlake™, Westlake Chemical®, DaVinci Roofscapes®, Royal®, Royal Building Products®, Vinnolit®, Nakan™, Westlake Global Compounds™ and Enhancing Your Life Everyday®, all of which are the registered trademarks or service marks of Westlake. Nothing in this report shall be construed as granting, by implication, estoppel, or otherwise, any license or right to use any trademark, logo or service mark, registered or unregistered, displayed in this report without the owner's prior written permission. This report is owned by and contains the copyrighted material of Westlake. This report and all of its content, including but not limited to text, design, graphics, and the selection and arrangement thereof, is owned by Westlake and protected under copyright law.

*Cover photo by Bill Goulet, a Westlake principal environmental engineer.*



# *Table of Contents*

A Message from our CEO .....	4
Our Business .....	5
Our Approach to Sustainability.....	8
Our Commitment to Safety .....	10
Our Commitment to Minimizing the Impact on the Environment .....	13
Our Commitment to Our Communities.....	19
Commitment to Our Team.....	22
GRI Index .....	26



# A Message from our CEO

Dear Stakeholders:

The five longstanding values upon which we have built Westlake's business – Health, Safety and Environment; Our People; Quality and Continuous Improvement; Competitiveness; and Citizenship – are the foundation for the company's commitment to sustainability and corporate responsibility. This commitment is shared by our senior leadership and our Board of Directors.

As we prepare to publish this report, we are in the ninth month of managing the global pandemic related to Covid-19. During these challenging times, we have focused on the health and well-being of our employees worldwide, while operating our facilities in a safe and reliable manner. While our business and people have been impacted by the pandemic, we are grateful that only a small portion of our employee population has contracted the virus, despite many of our facilities being located in communities that have been hard hit by the pandemic. Fortunately, to our knowledge all our employees who have contracted the virus have recovered or are recovering. Throughout these months, we have worked to maintain full employment and continue to serve our customers.

This marks our third annual Westlake Sustainability Report and it covers data for the calendar year 2019. As stakeholders have become increasingly interested in how we manage our business with respect to environment, society and overall governance, we have committed to sharing more data on an annual basis. With this report, we are introducing more data that follows reporting standards established by the Global Reporting Initiative (GRI), including an index at the end of the report that aligns to this standard.

In order to make third-party evaluations of our corporate responsibility actions more accessible to our customers, Westlake engaged with EcoVadis in 2019 to assess our chemical operations in the United States. This extended a previous EcoVadis engagement in our German operations that began in 2014. We are using the recommendations from these assessments to help drive continuous improvement in our operations. These efforts are part of our larger sustainability journey.

Our 2019 health and safety data shows that injury rates across the company are near historic lows, and 2019 also saw all-time lows in several key metrics including greenhouse gas intensity, energy efficiency, and emissions of hazardous air pollutants. Also in 2019, Westlake expanded its longstanding and ongoing participation in an industry effort to help reduce plastic pellet spills known as Operation Clean Sweep. Consistent with the Operation Clean Sweep Blue program, Westlake Chemical's amount of unrecovered plastic pellets and powder and related information will be reported in these annual reports beginning with the report issued next year for calendar year 2020 data. Also, in keeping with the spirit of Operation Clean Sweep Blue, Westlake Chemical is sharing industry best practices with our contract carriers to avoid the inadvertent spills of plastic pellets.

The commitment our management team has made is to manage our business following sustainable and responsible practices. Admittedly, sustainability reporting is a journey and we will endeavor to provide meaningful insight through our reports each year.

Albert Chao  
President and Chief Executive Officer

# Our Business

## About Us

Blending our chemical capabilities with a strong, downstream building products business, Westlake delivers life-enhancing products that benefit lives every day. From our polyethylene that is used daily in food packaging like bread bags, cheese wrapping and milk cartons, to our PVC pipe which is used to deliver clean drinking water and to irrigate fields, our products make a difference in the world.

## Our Corporate Social Responsibility Policy

Westlake's commitment to corporate social responsibility is formed by the company's five longstanding core values:



### HEALTH, SAFETY & ENVIRONMENT (HSE)

The health and safety of our employees and communities, and the vigilant stewardship of the environment and sustainability are of utmost importance and at the forefront of everything we do.



### OUR PEOPLE

The integrity, creativity, dedication, diversity and drive of our employees allow us to excel. We support, develop and inspire our people to achieve their personal best and treat them with dignity and respect.



### QUALITY & CONTINUOUS IMPROVEMENT

Our commitment to quality products and service is so strong that both are symbolized as the two check marks that form the Westlake "W" in our logo. We seek to maintain this commitment through an intensive practice of "never-ending process of improvement".



### COMPETITIVENESS

We are committed to enhancing the lives of people in the global marketplace every day. We do this by providing innovative and useful products, maintaining high standards of customer service and operational excellence with a constant focus on managing costs.



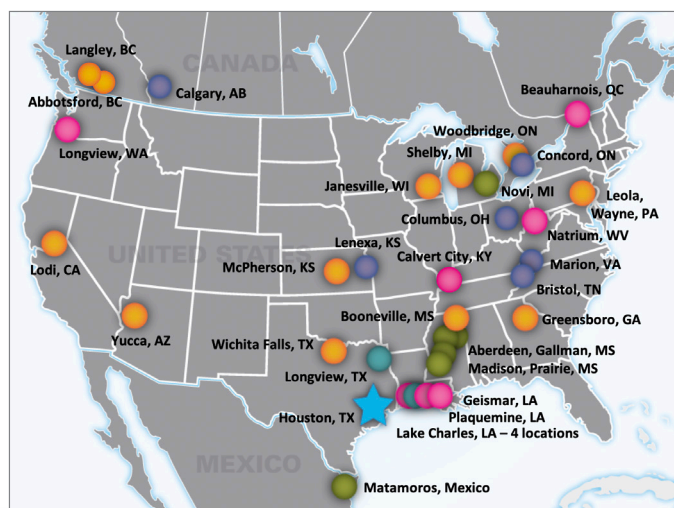
### CITIZENSHIP

We recognize the importance of supporting the communities in which we work and live and make it a priority to take an active role in making these communities better.

# Our Locations

Headquartered in Houston, Texas, Westlake Chemical Corporation operates in 34 locations in North America, 11 in Europe and 5 in Asia with nearly 9,400 employees. In North America, we operate facilities in Canada, Mexico and the United States producing chemicals, plastics, compounds and building products. With a presence in Europe since 2014, our European operations are located in France, Germany, Italy, and Spain. Our operations in Asia are in China, Taiwan and Vietnam.

- Exteriors
- Pipe & Fittings
- Compounds
- Vinyls Chemicals
- Olefins Chemicals
- ★ Headquarters



# Our Products

## Westlake Enhances Lives through its Products

Westlake products benefit society and enhance people's lives everyday through a variety of applications including: Building & Construction; Consumer Lifestyle; and Nutrition & Healthcare.



### Building & Construction

Our building and construction products—like our pipes and fittings, wallpaper, exteriors and roofing applications — strengthen the world's communities by supporting more durable and energy-efficient structures and beautifying the places we live, work and play.



### Consumer Lifestyle

Our products are found in a range of everyday solutions that help people live and work around the world. They are included in the dashboard of your car and the cardboard box delivered to your house.



### Nutrition & Healthcare

You'll find our products in food packaging from bread bags and cheese wrappers to meat containers and milk cartons that preserve the freshness of our food. Our products also play a key role in the medical devices that keep us healthy — from intravenous bags to dialysis machines.

# Our Products Help Preserve Food, Promote Health and Provide Clean Water

Plastics made out of PVC and polyethylene resins offer many benefits. They help preserve food quality and avoid waste thanks to quality packaging applications; one-time use plastics such as surgical gloves, syringes or IV tubes help prevent the spread of dangerous diseases; pipe made from PVC offers clean drinking water and irrigates crops; and water treatment products ensure that the water we use is sanitized and safe. These are a few examples. Please [click here](#) to visit our website to learn more about our products.



## Benefits of Polyethylene For Food Preservation

At Westlake, we are doing our part to help keep food safe to eat. Each day, we fulfill the UN and WHO's third food safety call to action: *"Keep it safe - Business operators must make sure food is safe"* by manufacturing products that help food retain its freshness.

Westlake's products play a key role in the global food supply chain. In particular, polyethylene is used to create bread bags and packaging for frozen food and fresh produce. This packaging helps ensure that food is transported safely from farms to grocery stores and markets, and finally, to homes worldwide.



## Use of Products for Medical Applications

Many of Westlake's products serve as the building blocks for devices used in the medical field. Westlake products are used to respond to this need and help hospitals provide patients products that can treat them in a safe and hygienic manner.



## Pipe and Products Provide Clean Water

Fresh water is one of the most important natural resources necessary to maintain life on this planet. Through our pipe and products, our municipal customers are able to provide clean and sanitized drinking water to communities. Westlake water treatment products also are used to treat and sanitize water used in commercial and residential applications.

*As part of Westlake's sustainability efforts, it is a proud member of the following organizations with the goal of reducing plastic waste in the environment:*



# Our Approach to Sustainability

For Westlake, sustainability is an important part of our commitment to enhancing people's lives every day. Our commitment to people and the environment are ingrained in our company culture. We have a relentless focus on the safety of our people, products, community and the environment. Our founder, T.T. Chao once said, "No job can be so important or urgent that people cannot take the time to work safely." Therefore, we strive for zero incidents ([see page 10](#)). We maintain programs designed to protect the health and safety of our people, prevent process safety incidents and carefully ensure quality products. At Westlake, as a member of organizations like the Alliance to End Plastic Waste (AEPW), we believe plastic waste should never enter our rivers and oceans, and we invest in technologies and collaborate with industry partners to find solutions to reduce such waste. A core value at Westlake is to better the communities in which we live and operate, and because of that value, we strive to make our communities better. We are committed to being a responsible neighbor ([see page 19](#)). We believe that through collaboration with others, we are able to make the world a better place.

## Our Sustainability Objectives

### UN Sustainable Goals

In 2015, the United Nations adopted the 2030 Agenda for Sustainable Development, which includes 17 [Sustainable Development Goals](#) (SDGs). Westlake's corporate activities support many of these goals, including:

- 2 Zero Hunger:** Ensure that the food and agriculture sector offers key solutions for development
- 3 Good Health and Well-Being:** Ensure healthy lives and promote well-being for all at all ages
- 4 Quality Education:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- 6 Clean Water and Sanitation:** Ensure clean, accessible water
- 8 Decent Work and Economic Growth:** Require societies to create the conditions that allow people to have quality jobs
- 9 Industry, Innovation and Infrastructure:** Require investment in infrastructure
- 12 Responsible Consumption and Production:** Ensure sustainable consumption and production patterns
- 14 Life Below Water:** Conserve and sustainably use the oceans, seas and marine resources for sustainable development
- 15 Life on Land:** Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss





## Sustainability Governance

Responsibility for sustainability at Westlake lies with our chief executive officer and the senior leadership team, with oversight by Westlake's Board of Directors. The Health, Safety, and Environment team also heads the Sustainability Committee, a cross-functional working committee whose purpose is dedicated to defining Westlake's sustainability efforts and progress.

The Director of Health, Safety and Environment leads the global HSE function, which provides expertise and leadership for our Drive to Zero program and other sustainability targets. Site level HSE managers are responsible for putting these programs into practice every day. Every employee contributes to these objectives through their individual commitment to zero incidents.

## Ethics & Compliance

Westlake upholds high ethical standards and is committed to complying with the laws and regulations of the jurisdictions in which we operate. Our Compliance and Ethics team monitors compliance and works with the business to drive strong performance in this area. This team is overseen by the general counsel. The Audit Committee of the Board has ultimate oversight of compliance issues.

We also have policies to guide employees in specific areas such as antitrust, anticorruption, health, safety, and environmental, international trade and [labor and employment compliance](#).

Our [Code of Conduct](#) sets out our expectations on topics such as respecting fellow employees, anticorruption, conflicts of interest, trade compliance, antitrust and competition law, insider trading, sanctions, misconduct and political donations. Each Westlake employee must complete a biannual review and certification to the Code of Conduct.

We encourage employees to speak up if they have any concerns. Anyone can raise a concern without fear of retaliation through their manager, supervisor or the human resources team. We also offer an independent, global workplace incident reporting system, EthicsPoint. Through EthicsPoint, employees can report workplace concerns without fear of retaliation through a confidential website or 24-hour hotline. EthicsPoint is operated by a company providing third-party reporting for many multi-national companies.

## Protecting Human Rights

Our Code of Conduct describes our commitment to upholding human rights in our operations and at our facilities. Drive to Zero is built with the principle in mind that "I own your safety and mine." This belief recognizes that safety is the company's number one priority and demonstrates Westlake's ongoing commitment to the values on which it was founded.

Westlake upholds all fair wage and hours laws wherever we work. We never use child, forced, bonded or involuntary labor and we do not knowingly work with subcontractors or suppliers that do. In 2019, we published our first [Suppliers Code of Conduct](#).

We also comply with the [California Transparency in Supply Chains Act](#) of 2010 in the United States. Minerals including tin, tantalum, tungsten and gold, known as conflict minerals, can be associated with human rights risk if they are sourced from war-torn countries such as the Democratic Republic of Congo. We comply with conflict minerals laws and regulations in our sourcing of tin compounds used in the production PVC pipe and fittings.

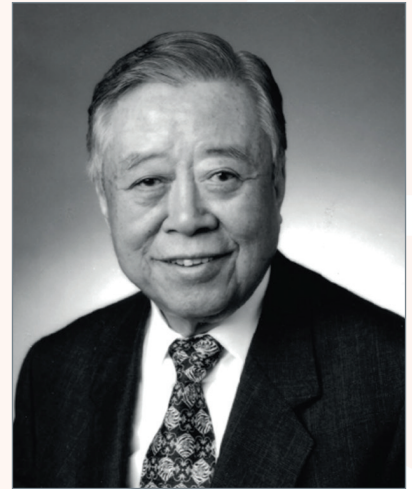
# Our Commitment to Safety

Westlake conducts its business in a responsible manner that protects the health and safety of its employees, the public, and the environment in which we live.

## Protecting Our People

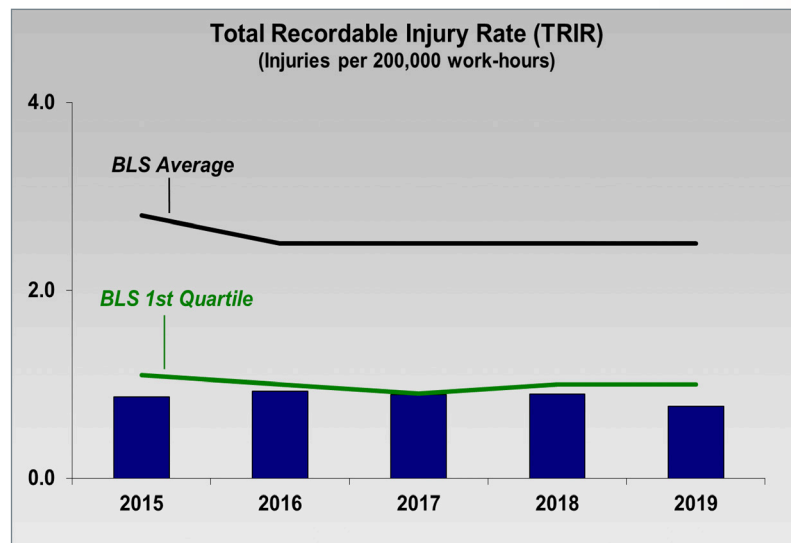
More than 30 years ago, Westlake founder T.T. Chao articulated the company's commitment to safety with these words, which are displayed on a plaque at every Westlake facility around the world. His words are:

*"We have put safety first, and it will remain our number one priority. No job can be so important or urgent that people cannot take the time to work safely. Life is precious and irreplaceable."*



## Drive to Zero

Westlake's first cultural belief, which support and enforce our values, is built upon the principle "I own your safety and mine." This cultural belief recognizes that safety is the company's number one priority and demonstrates Westlake's ongoing commitment to the values on which it was founded.



Westlake's injury rates for 2019 were near historic lows for the company and continues consistent placement among the best performers in our industry peer group.

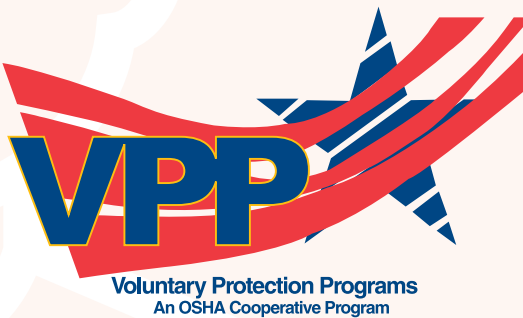
Westlake benchmarks safety performance using publically available data from the United States Bureau of Labor Statistics (BLS). Using this data, we compute a blended average for chemical and building product manufacturing to compare against. These two segments comprise the majority of our manufacturing operations.

## Westlake OSHA VPP Star Status

We are proud that several of our U.S. chemical facilities have earned the prestigious OSHA Star status. This is the highest award offered by the U.S. Occupational Safety and Health Administration's [Voluntary Protection Plan](#) (VPP). Our Calvert City plant personnel delivered their VPP application to the Kentucky OSHA office in February 2020. The VPP allows each site's management and workforce to collaborate with OSHA in promoting effective worksite-based safety and health.



Calvert City, Kentucky, USA



Westlake's goal is to have all U.S. chemical sites achieve Star status under OSHA's VPP program by 2024.

## Collaborating with Contractors to Improve Safety

Contract firms and their employees play a vital role in the success of Westlake. From execution of large capital expansion projects, to maintenance, to loading and transporting products to markets are just a few of the critical roles filled by contractors at Westlake facilities. Many of these contractors show up to work in our facilities everyday and are our friends and neighbors in the communities surrounding our plants. Westlake values the health and safety of our contract partners every bit as much as it does Westlake employees.

Westlake goes to great lengths to select contractors that take employee safety seriously with robust training programs to prepare their companies for the workplace. That preparation is borne out in safety records that are an important part of Westlake's contractor selection process.



Geismar, Louisiana, USA

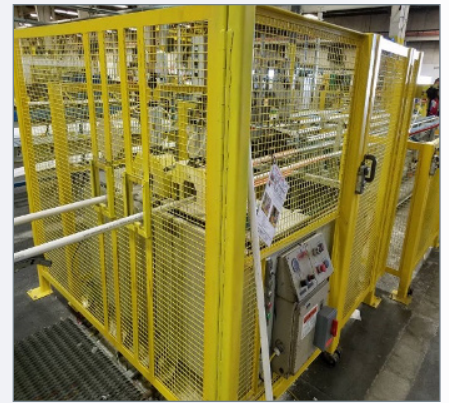
## Data-Driven Safety

As part of Westlake's HSE management system, safety metrics are continually analyzed for improvement opportunities. When a common area of improvement was identified across multiple locations, a team was formed to complete machine guarding assessments across all of Westlake's building products plants. The team applied consistent techniques and tools across the many facilities to reduce risk associated with moving parts.

Audit team member Eddy Killingsworth, HSE Manager, Longview, TX, said there was a common desire between the audit team and each facility to make a safer workplace. "We saw improvements made even before the audits were completed" Killingsworth said. He added "even the team of auditors learned from the experience and took information back to their areas for improvements."

Jeff Henthorne, Manager, Health and Safety for the vinyl products division, said "Physically when you walk into one of the Vinyl Products plants and observe the machine guarding and LOTO placards prominently posted you realize the amount of thought, effort and resources put into this project. This would not have been possible without the enormous effort by the plant teams taking action and the team of professionals from across the company who participated and supported the assessment effort.

Jeff continued, "The amount of resources both monetary and people that were committed raised the bar for safety expectations at all locations and demonstrated the company's commitment to employees and their safety. This has had a positive effect on the culture with improved operational discipline and elevated the importance for safety in everything we do."



*McPherson, Kansas, USA*



*Langley, British Columbia, Canada*

## Preventing and Responding to Incidents

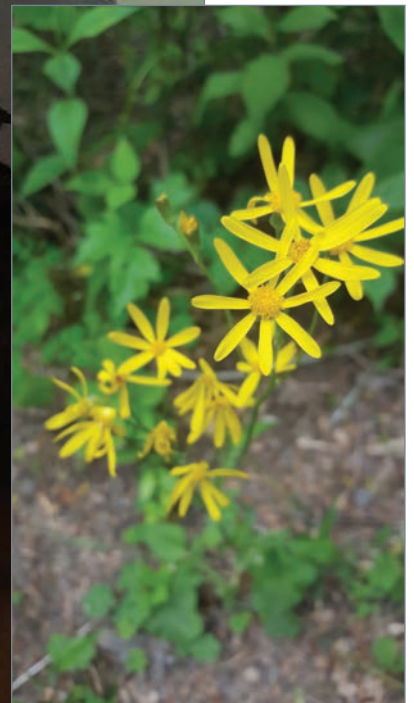
Operating our plants safely and reliably is a top priority and we have established programs to safely design, operate and maintain our manufacturing processes to protect our employees and prevent the unplanned release of process material.

At Westlake, we have clear standards for identifying and managing process safety risks. We conduct regular turnarounds, periods where we shut down plants and carry out essential maintenance and upgrades.



*Vinnolit, Burghausen, Germany*

# *Our Commitment to Minimizing the Impact on the Environment*



*Nature preserve photo by Westlake employee, Jessica Evans.*

*Wild flower photo by Westlake employee, Jay Price.*

# Our Commitment to Zero Waste

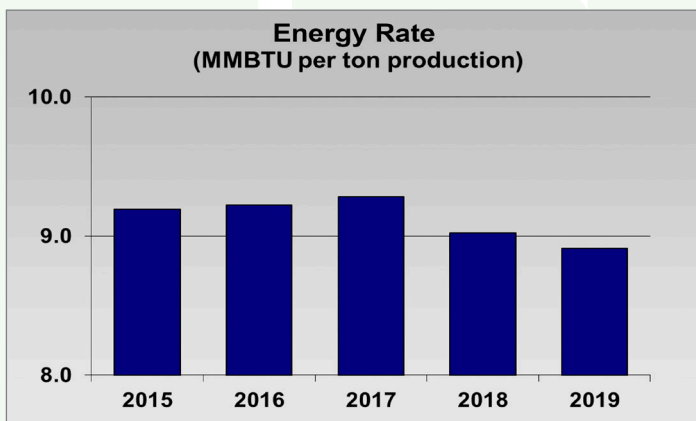
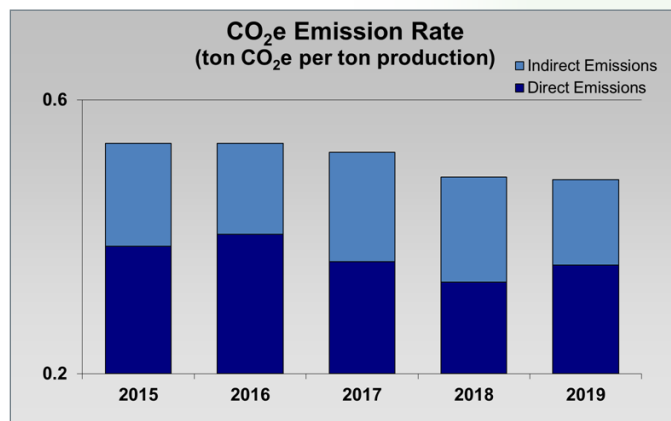
At Westlake, we strive to protect the world around us and preserve our natural resources. We maintain management systems designed to ensure compliance and support integration of environmental considerations into our business processes. Westlake employees strive to continuously improve our environmental performance and programs.



## Reducing Greenhouse Gas

Improvements in energy efficiency benefit everyone from the lower cost of manufacturing to reduced greenhouse gas emissions. Westlake employees are constantly evaluating opportunities to reduce energy use and greenhouse gas emissions at our facilities. Energy to operate our plants is supplied from a mix of internally produced (from our cogeneration facilities) and externally purchased electricity. Our greenhouse gas intensity is expressed in terms of tons of carbon dioxide equivalent (CO<sub>2</sub>e) per ton of production. Energy efficiency is measured in million BTUs (MMBTU) per ton of production.

Through efficient use of cogeneration facilities and boiler fuel conversions, Westlake has reduced greenhouse gas intensities by 10% in the last 4 years alone.



## Promoting a Circular Economy through Sustainable Flooring

Vinnolit, the German-based subsidiary of Westlake, has partnered with 10 other European organizations to participate in the [CIRCULAR FLOORING](#) project funded by the European Commission. The project is aimed at enabling environmentally friendly recycling of post-consumer PVC floor coverings. The Circular Flooring Project aspires to support the transition towards a circular economy in which valuable materials, products and resources are maintained as long as possible to reduce waste generation.

### About the EU Circular Flooring Project

PVC flooring has a lifespan of up to 40 years and PVC floor coverings of an older type may contain plasticizers and other additives, that are no longer used today. State-of-the-art recycling of older flooring to recover the PVC in its original quality requires a technically sophisticated separation of these plasticizers. The new EU CIRCULAR FLOORING project addresses this objective with an innovative plastics recycling process, CreaSolv®. This process gently recycles end-of-life PVC floor coverings by dissolving and removing respective substances to achieve the high-quality virgin PVC resins, which is then processed into granules. These recycled granules are then ready for re-use in new floor covering products.



## Operation Clean Sweep

Westlake has partnered with [Operation Clean Sweep](#)® (OCS), an international program designed to prevent resin pellet, flake and powder loss, and help keep pellets, flakes and powder out of the marine environment.

Westlake's Lake Charles Polymers units began the OCS initiative in 2013, with the goal of "zero pellet loss" outside of containment by avoiding spills, containing spills, and/or cleaning spills up quickly if they occur. Westlake's partnership with Operation Clean Sweep extends also to Westlake's Longview, Texas location as well as European operations – Vinnolit, which also began implementing "zero pellet loss" initiatives in 2013. The mission of Operation Clean Sweep is uniform across the globe – "to prevent the entry of plastic granulates such as pellets or powders into the environment, and ultimately into bodies of water, by observing good housekeeping practices."

*Pledge to Prevent Resin Pellet,  
Flake, and Powder Loss*



## Operational Efficiency



### DaVinci Recycles 1M+ Pounds of Waste Per Year



[DaVinci Roofscapes](#), a subsidiary of Westlake, located in Lenexa, Kansas, USA, manufactures composite slate and shake roofing tiles for residential and commercial projects. Because of the company's environmental initiatives it has been able to recapture almost all of its scrap waste and reprocess it as starter roofing shingles. In 2019 alone, DaVinci reprocessed over a million pounds of scrap materials.

This effort resulted in a net zero landfill scrap from our facility for the third year in a row.



*Picture of regrind from Lenexa, Kansas, USA*

## Curbside Recycling of Flexible Plastic Film

In 2018, Westlake joined an industry initiative spearheaded by the American Chemistry Council called [Materials Recovery for the Future](#) (MRFF). The goal of this initiative is to help advance waste separation methods and promote process technology advancements focused on the recyclability of flexible packaging.

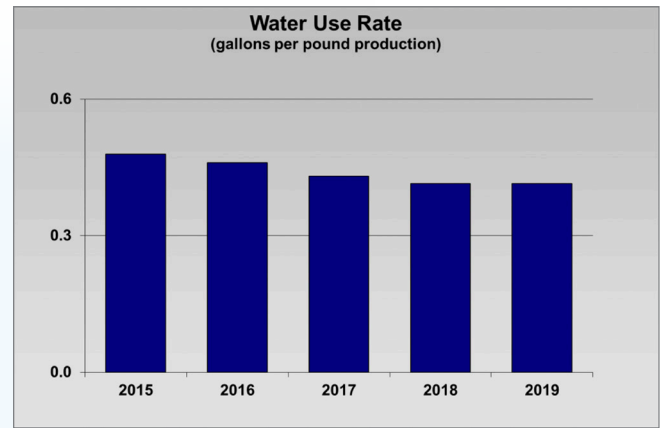


In 2019, the MRFF awarded a \$2.6 million grant to pilot a program for recycling flexible packaging. With this grant, a recycling facility in Pottsdam, Pennsylvania, USA, installed sophisticated optical sorting equipment, which makes curbside recycling of flexible packaging a reality in this small community.

Because of the success in Pottsdam, the project has expanded into Lower Providence Township, Pennsylvania, USA. Now, residents will find recycling flexible plastic easier than ever. The goal of this program is to expand to other municipalities interested in flexible plastic recycling.

## Water Use

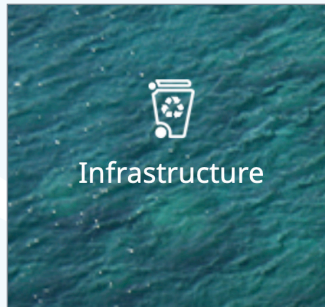
Water is an important resource for everyone, including Westlake. Steam generation, cooling and even incorporation into some of our products are just a few of the ways water is used in our processes. We measure net water use (water consumed or not returned to the original source) divided by our total production. Westlake continuously seeks to improve its operations to reduce the amount of water used in producing its products. Through these efforts, Westlake has reduced water usage by more than 13% in 4 years.



## ALLIANCE TO END PLASTIC WASTE

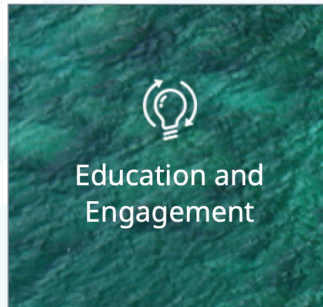
As part of our sustainability efforts, Westlake joined the [Alliance to End Plastic Waste](#) (AEPW) in March 2019. The AEPW is a coalition comprised of approximately 50 global companies from the plastics and consumer goods value chain that are aligned to advance solutions to eliminate plastic waste in the environment, especially in the oceans. Initial projects are focused in countries to help control and manage waste collection. In these countries, the waste management technologies have not kept pace with growing populations.

The alliance is focused in these four areas:



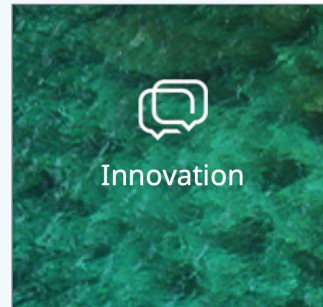
### Infrastructure

*Over three billion people worldwide\* do not have access to waste collection and no access to proper waste disposal facilities. Managing waste through improved collection, sortation, treatment and recycling, especially in parts of the world where waste management systems are lacking, is our greatest challenge.*



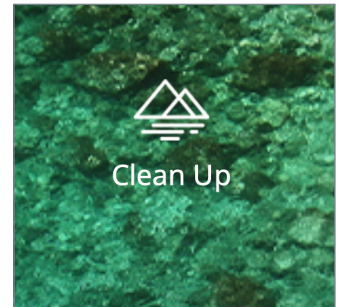
### Education and Engagement

*Education is powerful because it brings lasting change. Projects must not only trigger business or technical evolution, but they must inspire people to learn and participate in what it takes to end plastic waste in the environment.*



### Innovation

*Para-phrasing Albert Einstein, 'You can't solve a problem on the same level that it was created.' Our role is to support ideas that will take us to the next level of technologies and solutions that support a circular economy.*



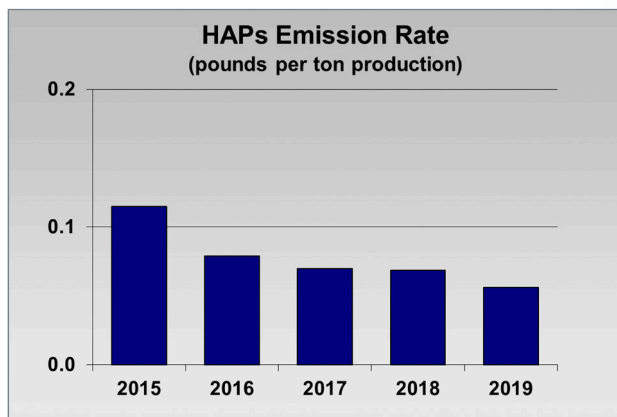
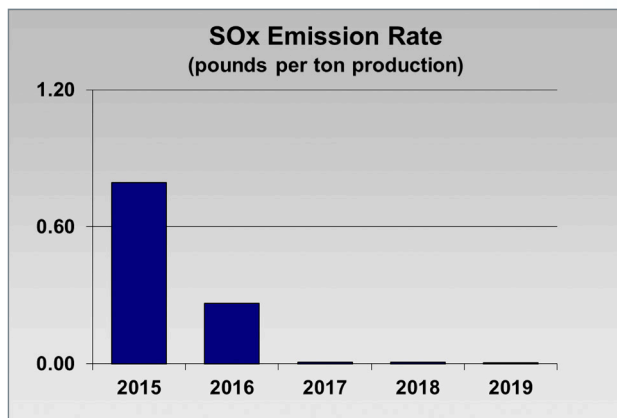
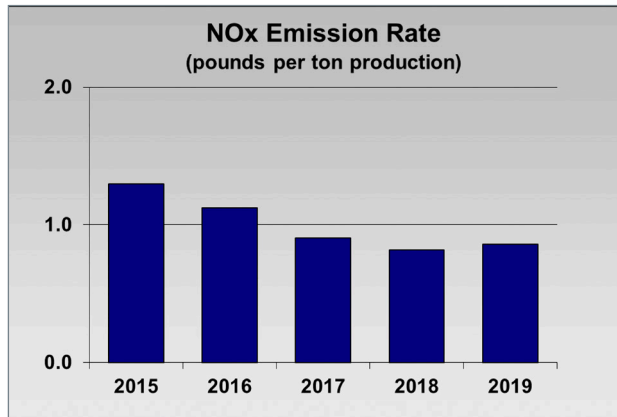
### Clean Up

*Universal access to an environment free of plastic waste starts at its source. In particular, we look for our clean-up activities to be enduring. We seek to identify the source so we can work to stop the flow of vast amounts of land-based plastic waste from entering our rivers and ocean in the first place.*

\* The Ocean Conference, United Nations June 2017

# Emissions

At Westlake, we are dedicated to preventing pollution, complying with environmental laws and regulations, and closely monitoring our emissions.



## NOx and SOx

Emissions of NOx (nitrogen oxide) and SOx (sulfur oxide) from Westlake facilities are related to the combustion of fossil fuels, often to generate power and steam for our processes. Prior to a conversion that was completed in 2016, the Natrium, West Virginia, USA facility used coal-fired boilers to generate steam and power. Coal generates larger amounts of NOx and SOx when burned compared to other fuels such as natural gas. The conversion of these boilers to natural gas resulted in a significant reduction in both NOx and SOx emissions.

## HAPs

HAPs (Hazardous Air Pollutants) are a subset of chemicals identified by the U.S. Environmental Protection Agency (EPA) in its Toxics Release Inventory (TRI). The switch to cleaner burning natural gas in our Natrium, West Virginia plant was just one example of our efforts to reduce emissions of HAPs.

Continuous improvement efforts across many manufacturing sites, including new technology and more efficient operations, have allowed us to reduce hazardous air pollutant emissions by 15% over the last four years.



Natrium, West Virginia, USA

# Our Commitment to Our Communities

At Westlake, a core value is recognizing the importance of supporting the communities in which we work and live, and we make it a priority to take an active role in making these communities better. We provide good paying jobs and hire locally where possible. We also support local economic growth and job creation throughout our supply chain by purchasing goods and services locally.

Additionally, we contribute to non-profits through our charitable contributions and our employees volunteer thousands of hours to good causes each year.

Each year we support two flagship community campaigns:

- **Global Service Month:** Since 2016, Westlake employees worldwide, along with their families and friends, have volunteered time during the month of April to making a positive difference in their communities.
- **United Way:** Each year our North American employees participate in local campaigns to support the United Way's goal of building stronger communities.

Also since 1994, Westlake has been pleased to recognize and reward over 1,250 high-achieving college bound students of its employees with a Westlake scholarship.



Gallman, Mississippi, USA

# Global Service Month

In 2019, Westlake had approximately 3,000 employees and families sign up for activities worldwide. With an

average service activity lasting three hours, this would equal nearly 10,000 volunteer hours!

The photos on the left and stories below are some examples of the various projects performed by Westlake company employees worldwide.

## Houston, Texas, USA

At our corporate headquarters in Houston, Texas, 110 volunteers helped the Houston Food Bank with their "Backpack Buddy program." According to the Houston Food Bank, one in four children in southeast Texas are at risk of hunger. Our volunteers packed 7,500 backpacks, which provide food to children who receive subsidized school meals, ensuring that they have healthy meals over the weekend.

## Bristol, Tennessee and Marion, Virginia, USA

Our Royal employees in Bristol, Tennessee and Marion, Virginia helped build a house for the Washington County chapter of Habitat for Humanity. They worked together to build a porch, attach exterior siding, build door frames and more.

## Jiangsu Province, China

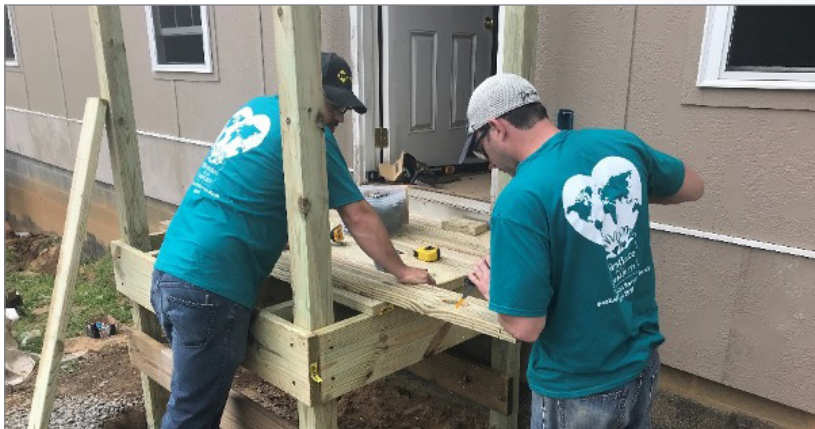
In Jiangsu Province, China, our Huasu team members held a month-long book drive and collected all kinds of books to donate to those in need in their local community.

## Cologne, Germany

Volunteers from our Vinnolit Cologne and Knapsack locations visited the "Präses-Held-Haus" senior citizens' home in Wesseling, Germany to plant flower boxes. Several of the residents eagerly chose the flowers they liked best for their personal window boxes and helped with the planting. After the boxes were planted, volunteers visited with the seniors over lunch.



Houston, Texas, USA



Bristol, Tennessee, USA



Jiangsu Province, China



Cologne, Germany

# Assisting our Communities with COVID-19 Relief

Our locations around the world have stepped up to help provide COVID-19 relief through donating much-needed medical supplies to workers on the frontlines.

## Calvert City, Kentucky, USA

In Kentucky, our Calvert City location responded to a call to action made by the Kentucky Chamber of Commerce and the Kentucky Governor's Labor Cabinet by donating respiratory masks to area hospitals.

## Natrium, West Virginia, USA

Our Natrium plant in West Virginia donated COVID-19 response packages to assist three local healthcare organizations in New Martinsville, West Virginia. Wetzel County Hospital, Marshall County OES (Fire, EMS, and Law Enforcement) and EZ Care Clinic received packages containing N95 masks, goggles and disposable gloves.

## Plaquemine, Louisiana, USA

Our Plaquemine, Louisiana site donated N95 masks, along with Tyvek suits, paper and shop towels, gloves, safety goggles and disinfectants to the Ochsner healthcare system, which is Louisiana's largest non-profit, academic healthcare system.

## Burghausen and Ismaning, Germany

Our Vinnolit colleagues in Germany have responded to the shortage of PPE (personal protective equipment) by donating 2,400 respiratory protection masks to hospital and retirement home workers. Masks were sent to clinics and care facilities in both Burghausen and Ismaning, where Vinnolit operates, among other nearby cities. The Corona Crisis Management Team of the Rhine-Erft District also received a donation of masks.



Calvert City, Kentucky, USA



Plaquemine, Louisiana, USA



Burghausen, Germany

# Commitment to Our Team

With approximately 9,400 employees in eleven countries worldwide, Westlake knows that its success is dependent on its people and strives to hire and maintain its talented workforce through its benefits, training programs and culture. There are many reasons why Westlake is a great place to work, including the opportunity for individuals to grow in an entrepreneurial environment with a solid and stable company.



Houston, Texas, USA

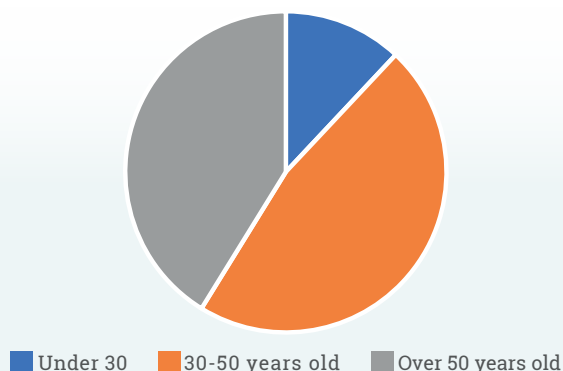
## Providing Quality Benefits to Employees Globally

Westlake cares about the health and well-being of our workforce and their families and strives to provide a competitive compensation and benefits package that rewards individual as well as team performance. At Westlake, we have a strong tradition in sharing company successes through incentive programs, such as the Quarterly Incentive Program.

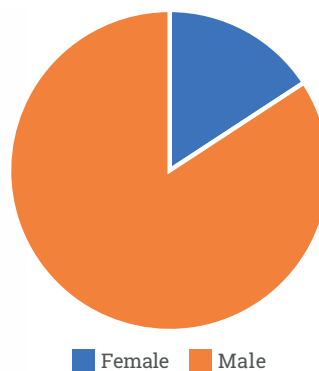
## Promoting Diversity and Inclusion

Westlake believes that the integrity, creativity, dedication, diversity and drive of our employees allow it to excel and believes that a diverse workforce is critical to unique perspectives which result in better solutions. Westlake serves as a member of several diversity organizations including the Texas Diversity Council, the Society of Women Engineers (SWE) and the Society of Hispanic Professional Engineers (SHPE).

Global Employees By Age (2019)



Global Employees By Gender (2019)



## Maintaining High Ethical Standards

Westlake upholds high ethical standards and is committed to complying with the laws and regulations of the various jurisdictions in which we operate. The Westlake Code of Conduct sets out our expectations and employees are trained on the Code every two years.

We encourage employees to speak up if they have any workplace concerns. Employees may raise a concern without fear of retaliation through an independent whistleblower telephone helpline and website, which is available 24-hours a day in every country where we operate. It is operated by a third party company specializing in workplace incident reporting for multi-national companies.



**Westlake**  
**EthicsPoint**  
Hotline

## Ensuring Employee Growth and Development

Training and developing employees is a core value at Westlake because we understand that each employee has the potential to create value with the proper knowledge and skills. In 2019, employees received training, whether in-classroom, online or by attending an industry conference. Some also participated in professional or vocational continuing education.

# Investing in Our Future Workforce

Westlake offers several student programs, including internships, co-ops and Society of Chemical Industry (SCI) scholars that provide students an opportunity to work and learn about the chemicals industry. Historically, these programs have been primarily for STEM (Science, Technology, Engineering and Math) college students participating in Westlake's engineering or manufacturing groups.

## 2019 Westlake Scholarship

In 2019, Westlake awarded Scholarships to 103 college-bound students of employees across North America as recipients of a Westlake Scholarship beginning the fall term of 2019.

Since 1994, Westlake has been pleased to recognize and reward over 1,250 high-achieving college-bound students of its employees with scholarships.

The competition for these scholarships is consistently strong and the applicants are some of the most outstanding students in each of the communities in which we operate. The average recipient for 2019 had a GPA of 3.82 and ranked in the top 17% of their senior class. Moreover, many of these scholars made significant contributions to their communities through numerous volunteer and civic activities. We congratulate the students and their parents for the significant accomplishments in the classroom and the communities in which they live.



*Pictured are the National Merit Scholars, who are just two of the 2019 Westlake Scholarship recipients.*





*Erin Lowe, Westlake Aberdeen, Mississippi environmental co-op.*

## Engaging Women in Engineering

Each year, the National Society of Professional Engineers celebrates Introduce a Girl to Engineering Day, dedicated to engaging young women and girls in engineering. According to the National Science Board, women accounted for only 15% of the engineering workforce in 2015. However, more women are joining science and engineering occupations, with their numbers increasing over the years. At Westlake we understand the importance of science, technology, engineering, and math (STEM) education and encourage students to explore the world of STEM.

Erin Lowe, Westlake environmental co-op, is studying chemical engineering at Mississippi State University. Her role at the Aberdeen, Mississippi plant has given her the opportunity to work on engineering-based projects and gain a greater understanding of the field. "I have loved it so far. I really don't know of anything else I would want to study," she said.

## Westlake Supports STEM Programs

In August 2019, our Lake Charles, Louisiana facility hosted a STEM Career Exploration Program for high school girls. The program included a panel discussion led by female engineers, a tour of the facility, and activities in the lab.

Additionally, our Longview, Washington site helped bring STEM to life for students at Catlin Elementary School when they volunteered in 2019 for an after-school program with the organization Youth and Family Link.



*Barbe High School students perform an experiment with Khalid Taha, Westlake Chemical Lake Charles senior chemist.*



*Abhishek Shah, Longview, Washington chemical engineer, leads a group of students in a science experiment for Catlin Elementary School's STEM day.*

# GRI Index

This material references Disclosures 102-1 through 102-14, 102-16 through 102-18, 102-20, 102-46, and 102-49 through 102-53 from GRI 102: General Disclosures 2016, Disclosures 201-1 from GRI 201: Economic Performance 2016, Disclosure 305-7 from GRI 305: Emissions 2016, Disclosure 401-2 from GRI 401: Employment 2016, Disclosure 403-2 from GRI 403: Occupational Health and Safety 2016, Disclosure 405-1 from GRI 405: Diversity and Equal Opportunity 2016, and Disclosure 413-1 from GRI 413: Local Communities 2016.

## General Disclosures

GRI Standard	Disclosure Description	Page (s) Response or Omission
102-1	Name of Company	1
102-2	Activities, brands, products, services	6, 7
102-3	Location of Headquarters	6
102-4	Location of Operations	6
102-6	Markets Served	6, 7
102-7	Scale of the Organization	6
102-8	Information on employees and workers	9, 22, 23
102-9	Supply Chain	9
102-10	Significant changes to the organization or supply chain	No significant changes to the organization or supply chain in 2019.
102-13	Membership of associations	9

## Strategy

GRI Standard	Disclosure Description	Page (s) Response or Omission
102-14	Statement from Senior Decision Maker	2

## Ethics and Integrity

GRI Standard	Disclosure Description	Page (s) Response or Omission
102-16	Values, principles, standards and norms of conduct	5
102-17	Mechanisms for advice and concern about ethics	9

## Governance

GRI Standard	Disclosure Description	Page (s) Response or Omission
102-18	Governance Structure	The Board of Directors has four standing committees: Audit, Compensation, Governance and Nominating, and Corporate Risk.
102-20	"Executive-level responsibility for economic, environmental, and social topics "	9

## Stakeholder Engagement

GRI Standard	Disclosure Description	Page (s) Response or Omission
102-46	Defining report content and topic boundaries	2
102-49	Changes in reporting	2
102-50	Reporting period	2
102-51	Date of most recent report	2
102-52	Reporting cycle	2
102-53	Contact point for questions regarding the report	For any questions about this report, contact: <a href="mailto:CorpCommunications@westlake.com">CorpCommunications@westlake.com</a>

## GRI 201: Economic Performance 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
201-1	Direct economic value generated and distributed	For additional information, refer to Westlake's 2019 Annual Report on Form 10-K, <a href="https://www.westlake.com/sites/default/files/WLK%20AR%202019.pdf">https://www.westlake.com/sites/default/files/WLK%20AR%202019.pdf</a> .

## GRI 305: Emissions 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX) and other significant air emissions	19

### GRI 403: Occupational Health & Safety 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
403-2	Types of injury and rates of injury (IR), occupational diseases (ODR), lost days (LDR), absenteeism (AR), and number of work-related fatalities	11

### GRI 401: Employment 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
401-2	Benefits provided to full-time employees	23 - Benefits packages offered to employees are designed to provide employees the tools and resources needed to thrive. Specific features of these packages differ depending on location of employment but typically include healthcare, life and accidental insurances, disability, retirement plans, and vacation and holiday time.

### GRI 405: Diversity and Equal Opportunity 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
405-1	Diversity of employees	24

### GRI 413: Local Communities 2016

GRI Standard	Disclosure Description	Page (s) Response or Omission
413-1	Operations with local community engagement, impact assessments, and development programs	20, 21, 22, 25, 26



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