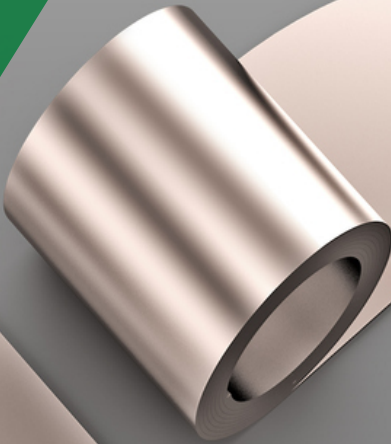


# JW ALUMINUM SUSTAINABILITY REPORT



—  
2022

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**Choose Aluminum**  
Infinitely Recyclable,  
Uniquely Sustainable



**SUSTAIN<sup>7</sup>SC**  
commerce + conservation

# Message from the CEO

At JW Aluminum, sustainability is intrinsic to who we are – it's built into our company culture. Our company vision is to secure our future – safely, successfully, and sustainably. Securing the future for all stakeholders epitomizes what JW Aluminum's Environmental, Social, and Governance activities intend to achieve.

We will secure the future by:

- Improving our environmental performance metrics and reducing environmental impacts.
- Fostering a diverse, inclusive work environment that promotes personal and professional development and provides long-term, quality careers.
- Following ethical business practices and governance procedures as a responsible, accountable corporate citizen to ensure the longevity of the company.

Customers, investors, and all of us who live on this planet want to have relationships with ethical, accountable businesses – responsible stewards of the environment and exceptional corporate citizens.

At JW Aluminum, we're approaching sustainability goals the same way we achieve all operational excellence – Six Sigma Lean principles, data-driven analysis, and continuous improvement. Any stake we put in the ground is authentic and achievable. And, this is an ongoing process, a lifelong commitment. Together, we will secure a safe and sustainable future for generations to come.



A handwritten signature in black ink, appearing to read 'Stan Brant'. The signature is stylized and cursive.

Stan Brant,  
Chief Executive Officer  
JW Aluminum

# COMPANY PROFILE



Founded in 1979, JW Aluminum is a privately owned, flat rolled aluminum products producer headquartered in Charleston, South Carolina.

The JW Aluminum team is dedicated to working safely every day to secure a safe and sustainable future for all stakeholders – our teammates, customers, communities, and our planet.

## Core Markets



Building Products



HVAC/R Fin Stock



RV & Cargo

## Locations



At the heart of American manufacturing for over 40 years, JW Aluminum produces infinitely recyclable aluminum sheet and foil used to make products essential to our everyday lives, like the building products and HVAC components that keep our homes comfortable and safe. Teammates at our Goose Creek, South Carolina and Russellville, Arkansas facilities process the aluminum to support these vital industries.

## Culture



## Teammates



JW Aluminum cultivates a strong company culture called WIN. Our WIN culture – our vision, our strategies, and our target behaviors – drives everything we do. We are a team of diverse, actively engaged individuals, a business of business people who take ownership and work with integrity. These cultural values hold us accountable to very high standards, and these standards are reflected throughout the company's way of doing business.

# Safety Policy

If something doesn't:

- Look Right
- Sound Right
- Feel Right
- Smell Right
- Or You Just Don't Know What to Do



**STOP** and get Help!

## **At JW Aluminum, we value safety above all.**

Our WIN culture is one of inclusion and ownership. It drives everything we do.

Every JW Aluminum teammate has a moral and ethical responsibility to make sure no one gets hurt meeting our objectives.

We achieve outstanding safety performance by:

- Being **self-aware**
- Paying **attention to detail**
- Identifying and **eliminating hazards**
- **Knowing what safe and correct looks like**

The tools we use to stay safe are Job Safety Analyses (JSAs), Standard Work, and Control Plans. These are living documents — reviewed, updated, and continuously improved by teammates closest to the work.

We actively comply with the United States Occupational Safety and Health Administration and all relevant international laws and regulations.

Through our thoughts and actions, we cultivate a team of safe, engaged, empowered people.

## **We put safety first because for us, people come first.**

Our safety mindset extends to all stakeholders and beyond our work environment to our homes and families.

**We absolutely believe zero injuries are possible and that is our goal.**

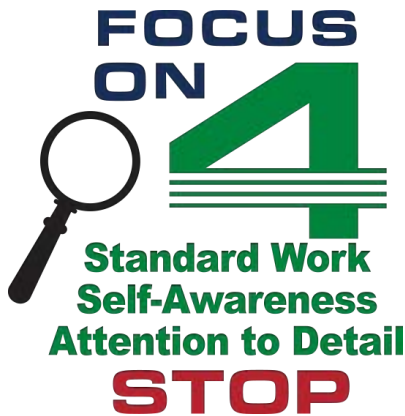
Stan Brant  
Chief Executive Officer

Phil Cavatoni  
Chief Financial Officer

Ryan Roush  
Chief Operating Officer



# SAFETY TRAINING



Our goal is zero injuries and we work diligently to achieve this goal. In 2022, we had zero fatalities, two lost time injuries and seven injuries that required work restrictions. We continue to improve our systems for risk management and hazard abatement.

Our annual safety training roster includes and is not limited to:

- Active Shooter Response
- Compressed Gas Safety
- Confined Space Procedures
- CPR and First Aid Instruction
- Fall Protection and Ladder Safety
- Fire Extinguisher and Cardox Equipment Instructions
- Forklift / Pedestrian Safety
- Hazard Communications
- Hearing Conservation
- Heat Related Hazards
- Hot Work Procedures
- Lock Out / Tag Out Procedures
- Personal Protective Equipment / Respiratory Protection

In 2023, we are partnering with SafeStart, a training company that leads the way in human factors management, training teammates to master mindful self-awareness and self-management both inside and outside the work environment.



# Safety Highlights

Metals manufacturing is part of the Critical Manufacturing Sector designated by a division of the U.S. Department of Homeland Security. Our facilities operate 24/7/365, and our teammates work rotating shifts. With input from all hourly teammates at our South Carolina location, we completed and implemented a Circadian Alternate Shift Schedule and Fatigue Risk Management Program.



OVER  
**1800**

HAZARD IDENTIFICATION  
CARDS RECORDED

**THOUSANDS**  
OF TEAMMATE HOURS  
SPENT ON TRAINING AND  
ENGAGEMENT

OVER  
**800**  
SAFETY WALKS  
CONDUCTED BY  
TEAMMATES



# HEALTH AND SAFETY

## Hazard Identification

Upstream thinking is a proactive mindset. We start every meeting at all levels with a safety topic and target behavior recognition.

Before our teammates begin a task, they ask themselves questions like:

- Are there any potential hazards here?
- How can I avoid or eliminate them?

This allows teammates to identify at-risk behaviors or conditions before an accident happens, and then take steps to correct it. Teammates document any identified hazard on an orange hazard identification card and submit the cards to leadership for review to determine if further action is needed.

Also, we believe that identifying and rewarding safe behavior is just as important as identifying a risk. We recognize and award teammates who practice safe behaviors with a STOP challenge coin. This is another way we ingrain our safety culture in the hearts and minds of our teammates.

## Emergency Response

JW Aluminum understands the importance of quickly responding to emergencies. While we provide hazard recognition training to identify and react to hazards before they become an emergency, we have prepared response plans that address potential emergency situations like injuries, severe weather, fire, and workplace violence. We provide awareness training for all teammates and specialized training for designated first responders annually. We share our emergency response plans with visitors and contractors as well.



# Our Values



## THE JW VISION



## TARGET BEHAVIORS



## Take Responsibility

All companies talk about culture. At JW Aluminum, the principles of our WIN culture drive everything we do. We attribute much of our longevity, stability, and success to the culture that we continually work to cultivate. Our cultural values guide our conduct and support all of our sustainability goals.

Ours is a culture of active engagement, empowerment, and accountability. Teammates practice our WIN culture every day through peer-to-peer recognition of target behaviors. A strong cultural fit guides our hiring and promotion processes.

Our WIN culture is more than posters on a wall or images in a PowerPoint slide. Each and every teammate is well versed in our cultural mores and language. We consistently host lunch and learns, commemorate years of service, celebrate safety performance, and discuss the state of the business during quarterly all-hands meetings. We immerse our teammates in our WIN culture during orientation and through multi-day, interactive training sessions hosted personally by our leadership team. Direct training from and regular access to top company executives sets JW Aluminum apart and demonstrates how we live our cultural values every day.

# BUSINESS INTEGRITY

Our WIN Culture and target behaviors are the foundation for everything we do, including our governance strategy. One of JW Aluminum's cultural mantras is "Do the right thing, even when no one is looking." We hire and promote based on cultural match. Behaving with integrity is inherent to who we are as a team. This ethos permeates throughout our business practices.

Our vision is to secure the future, and we know integrity is key to success, sustainability, and longevity.

**Legal Compliance:** The first pillar of operating with business integrity is to maintain legal compliance company-wide. We leverage various outside resources to maintain awareness of and comply with the laws, regulations, and expectations for all aspects of our business.

JW Aluminum did not have any significant fines, judgments, penalties, or non-monetary sanctions for failure to comply with Applicable Law in 2022.

**Anti-Corruption:** JW Aluminum has a zero-tolerance policy for bribery and corruption. As a company, we believe in acting professionally, fairly, and with integrity in all business dealings. JW Aluminum expects all teammates to conduct themselves in a manner that reflects the highest standards of ethical conduct and in accordance with all federal, state, and local laws and regulations. Our Code of Conduct outlines in detail the company's expectations for our teammates and our business associates including both social and governance policies and procedures.



# Management Systems

Sustainability is deep-seated within our cultural values. These values are translated into action through multiple management systems that integrate corporate social responsibility into our day-to-day business processes. As an ISO-Certified entity, all our management systems follow a consistent framework, leverage Lean Six Sigma tools, and are assessed and refined for continuous improvement.

## Social Ethical Management System

- The JW Aluminum Social and Ethical Management System maintains a high standard regarding our commitment to operate in a socially and ethically responsible manner.
- It sets forth the expectations of how we live our WIN culture, conduct business, and interact with each other, our business partners, and the environment.

## Environmental Management

- JW Aluminum's Environmental Management System goes beyond compliance to continuously improve environmental performance to reach environmental goals.
- It proactively identifies environmental risks by analyzing processes and their aspects and impacts, and puts controls in place to minimize or eliminate environmental impacts.

## Occupational Health and Safety

- At JW Aluminum, we value safety above all. We have a moral and ethical responsibility to make sure no teammate gets hurt meeting our objectives. We achieve outstanding safety performance by being self-aware, paying attention to detail, and knowing what safe and correct look like through our Job Safety Analyses, Standard Work and Control Plans.
- Our Occupational Health and Safety Management System ensures ownership and accountability at all levels, provides educational and preventative training to support our goals, and is evaluated regularly to continually improve.

# LEADERSHIP AND OVERSIGHT

## Management Sponsorship

As part of the business's material risk management responsibilities, JW Aluminum's board of directors and senior leadership executives drive environmental, social, and governance (ESG) policies and procedures throughout the organization.

Based on the subject matter, each officer of the company sponsors and leads communication of ESG policies to internal and external stakeholders. The senior leadership team is committed to ongoing investments in the necessary resources to support successful implementation of these policies.

## Risk Assessment, Monitoring, and Management

To identify and prioritize relevant ESG factors based on their level of impact to the business and key stakeholders, JW Aluminum operates using Lean Six Sigma principles to methodically and cost-effectively manage ESG risks and opportunities. Risk management is inherent in Six Sigma methodology, specifically in the Analyze, Measure and Control phases. We identify and prioritize material issues to set strategies and objectives for achieving our goals.

JW Aluminum has multiple policies, management systems, and processes in place to manage material ESG factors specific to the organization. Based on continuous improvement and best practices, ongoing risk assessment takes place throughout our regular business operations and findings are reported regularly to JW Aluminum's leadership team. Ways to identify and mitigate risks are regularly integrated into related operational documented processes like Standard Work, Job Safety Analyses, and Control Plans. All are living documents updated as needed to incorporate new learnings and implement best practices.

Holistic ESG risk assessments take place on an annual basis and as needed when a material change occurs within or outside of the company that could present additional risk. We consider both direct and indirect financial impacts that may stem from social or environmental risks and opportunities. We consider the long-term effects of potential regulatory developments, industry norms, stakeholder concerns, as well as opportunities for innovation.

We effectively implement our ESG management systems through regular monitoring and assessment using key performance indicators.





# MATERIAL STEWARDSHIP

As a secondary aluminum producer, our core business is recycling aluminum, supporting the United Nation's Sustainable Development Goal for Responsible Consumption and Production. In 2022, JW Aluminum recycled and processed nearly 400 million pounds of scrap.



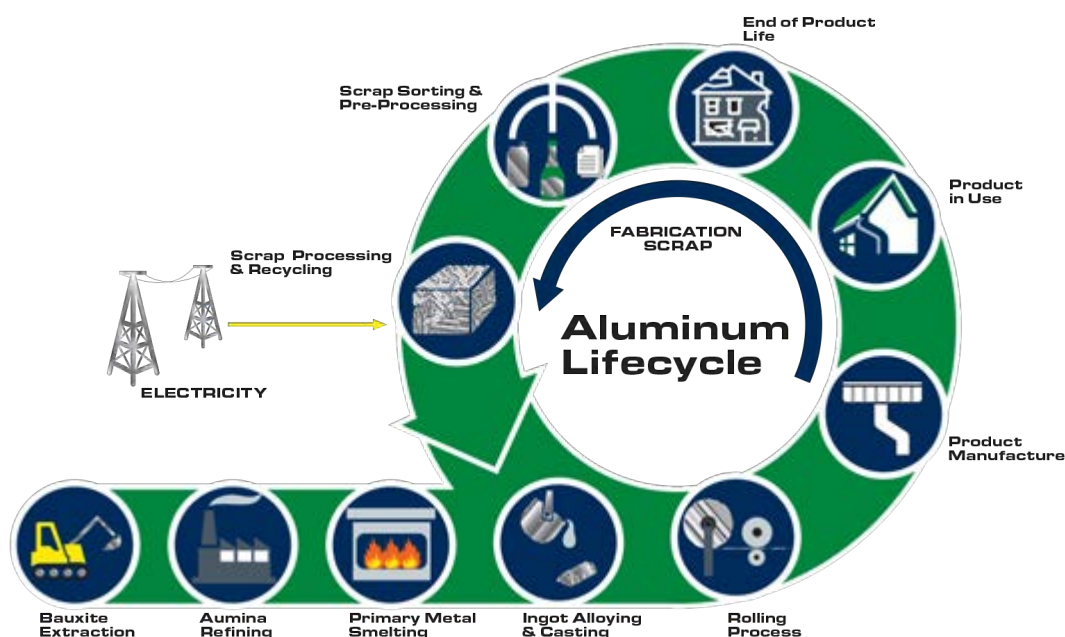
## Recycling Strategy

We target 100% reuse of in-plant process scrap using these techniques:

1. Minimize the generation of process scrap by optimizing the manufacturing process, producing more easily recyclable scrap sizes and shapes.
2. Collect and store 100% of the process scrap to minimize the leakage to near zero.
3. Melt the collected and stored scrap energy efficiently, along with regular fresh scrap and primary aluminum, to minimize energy and oxidation losses.
4. Use the generated molten metal effectively and energy efficiently in subsequent casting process steps to make salable coils.
5. Recover the most aluminum from dross produced during melting operation by using an energy-efficient and vetted third-party dross processing company.

## Life Cycle Assessment

As a member of The Aluminum Association, we provided company data that was used for its recent life cycle inventory and impact assessment. Findings from that assessment showed that recycling aluminum saves 93 percent of energy and reduces 94 percent of carbon footprint compared to producing the metal from bauxite ore.



## End of Life

Secondary aluminum production is a model for a circular economy. We work with core customers in scrap take-back programs. In 2022, we purchased 20 million pounds of scrap generated from our customers' manufacturing process, bypassing end of life and closing the loop for a more circular economy.

*2022 Scrap recycling = 397,097,294 lbs. includes purchased, RSI and in-house scrap.  
Closed loop customer take-back scrap: 16.4M from SC and 3.6M from AR.*

# Environmental Management System Policy

## COILS

- Continuous improvement of environmental performance
- Objectives & targets to reach environmental goals
- Involvement from all teammates and stakeholders
- Leadership in environmental performance and closed loop economy
- Sustainability & accountability for generations to come



# ENVIRONMENTAL PERFORMANCE



Our operations are inherently circular. As a secondary aluminum processor, we recycle over a million pounds of aluminum every day and produce aluminum sheet and foil for our customers to reuse in new products.

## Greenhouse Gas Emissions

Greenhouse gas emissions (GHG) are expressed in CO<sub>2</sub>-equivalent emissions for all site-wide scope 1 and 2 emissions and material scope 3 emissions. The calculation of the scope 1 and 2 emissions follows the Greenhouse Gas Protocol calculation methodology and utilizes the Environmental Protection Agency (EPA) emission factors. Scope 3 emissions material included below utilize emission factors from The Aluminum Association's 2022 Life Cycle Assessment "The Environmental Footprint of Semi-Fabricated Aluminum Products in North America."

Scope 1 emissions are the primary or direct GHG emissions that occur from sources located at our facilities. The combustion of natural gas in our melting, holding, and annealing furnaces makes up the majority of the site-wide emissions. Other scope 1 emissions are generated from mobile equipment diesel, propane use, and emergency generators. Scope 2 emissions are the indirect GHG emissions from purchased electricity used by the facility. Scope 3 emissions are the result of activities from assets not owned or controlled by JW Aluminum but associated with upstream and downstream processes that contribute to our product. Scope 3 emissions for JW Aluminum are the scope 1 and 2 emissions for the producers and consumers of those materials. JW Aluminum has determined that only prime and remelt scrap ingot (RSI) used as raw materials are pertinent to our organization and are included below.

**JW Aluminum is committed to a 10% company-wide reduction in scope 1 and 2 GHG intensity emissions by 2029**, based on a 2017 baseline. All facility scope 1 and 2 emissions are converted and evaluated on a CO<sub>2</sub> equivalent number per cast ton. JW Aluminum has an established a GHG emission reduction plan that outlines the paths to this 10% reduction goal. In May 2020, JW Aluminum commissioned newly installed, state-of-the-art equipment at our South Carolina location to promote highly efficient melting, holding, casting, and hot rolling capabilities. Optimizing this new equipment is a key driver to achieving the 10% reduction goal.

	Scope 1 Emissions	Scope 2 Emissions	Scope 3 Emissions	Electricity	Natural Gas	Diesel	Propane
	tons CO <sub>2</sub> Eq	tons CO <sub>2</sub> Eq	tons CO <sub>2</sub> Eq	kWh	Mcf	gallons	gallons
Goose Creek, SC	58,852	30,303	245,766	74,113,123	959,904	41,571	49,604
Russellville, AR	21,605	10,474	152,340	25,617,200	381,974	10,607	15,354



# JW Aluminum Reduces Greenhouse Gas Emissions via Energy Efficiencies

**Company to Reduce Greenhouse Gas Emissions  
Equivalent to More Than 4 Million Miles Driven**

Representatives of JW Aluminum were on hand at their manufacturing facility in Russellville, Arkansas on Wednesday, August 10, 2022 to receive an incentive for participating in the Summit Utilities Arkansas (Summit Utilities) Commercial & Industrial Solutions Program, which helps customers save energy and money by operating more efficiently.

JW Aluminum upgraded the burners on four of their existing annealing ovens in the Russellville, facility in part through the incentives provided by the Summit Utilities program.

Representatives from Summit Utilities' Commercial & Industrial Solutions Program first audited the facility in 2018 and calculated the potential savings for upgrading the burners. The representatives agreed that the upgrade would be effective for saving natural gas. The first burner upgrade was completed in the spring of 2019 and the final upgrade in the spring of 2022.

The combined projects are expected to save more than 325,000 therms per year, which is equivalent to reducing greenhouse gas emissions by 4,268,339 miles driven by an average gasoline powered passenger vehicle.



Source: Company press release & [www.epa.gov/energy/greenhouse-gas-equivalencies-calculator](http://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator)

# EMISSIONS TO AIR

JW Aluminum's manufacturing operations generate air emissions that are subject to strict emission limitations and operating conditions regulated by South Carolina Department of Health and Environmental Control (SCDHEC), the Arkansas Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (EPA). The following emissions are generated by source:

	PM (tpy)	NOx (tpy)	VOC (tpy)	DF (tpy)	HCL (tpy)
Goose Creek, SC	13.85	35.42	34.73	1.48E-08	0.20
Russellville, AR	15.99	19.71	106.43	4.69E-10	3.14

## Melting and Holding Furnaces

Generated emissions from melting scrap include particulate matter (PM), hydrogen chloride (HCL), volatile organic compounds (VOCs), nitrogen oxides (NOx), and dioxins and furans (PCDD/PCDF). The PM is generated as a result of the melting process and material handling. HCL is generated as a byproduct from the salt flux and chlorine that is injected to help separate the impurities from the molten aluminum. The trace amounts of dioxins and furans and VOCs are generated from the thermal treatment of the organic coating on the scrap surface. NOx emissions are generated from the combustion of natural gas. The melting and holding furnaces at the South Carolina facility are equipped with lime activated carbon injected baghouses to control emissions from the melting operation.

## Hot Mill

The hot mill is located in the South Carolina facility. Generated emissions from the hot mill rolling operation are controlled by a three-stage mist eliminator filtration system. Generated emissions from the hot mill rolling operation include PM and VOC's.

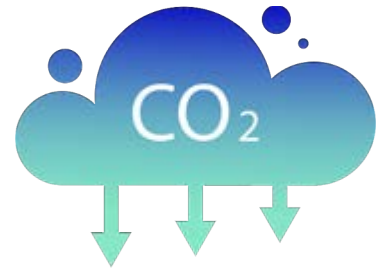
## Cold Rolling

The cold rolling process uses lubricating oil and compressive forces to reduce the gauge of the aluminum. Generated emissions from the cold rolling process include PM and VOCs. The South Carolina facility's cold mills are equipped with mist eliminators and a newly installed heavy oil scrubber. The Arkansas facility's cold mills are equipped with a cyclonic and mesh mist eliminator.

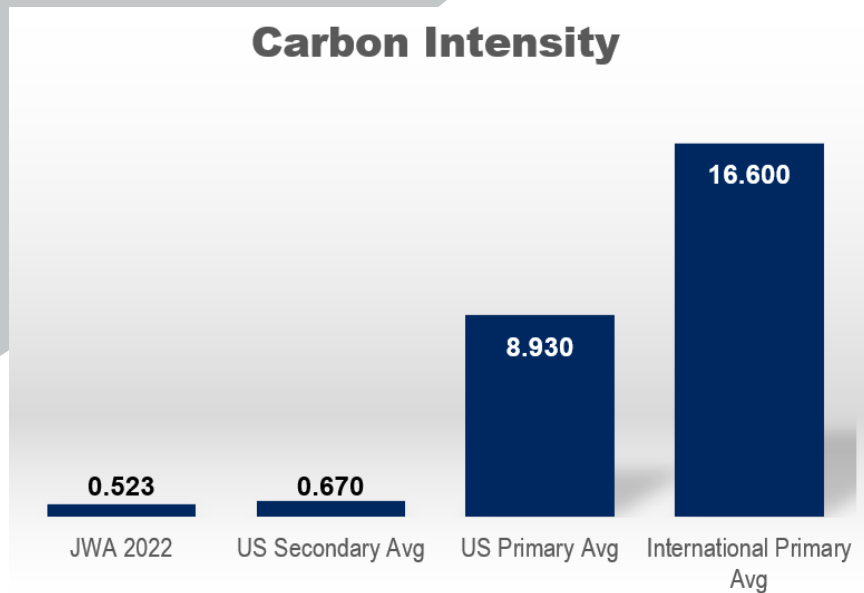
## Annealing Furnaces

Generated emissions from annealing include small amounts of PM and NOx from the natural gas combustion and VOCs from the residual rolling oil on the coils.

# Carbon Intensity



Because JW Aluminum is a secondary aluminum manufacturing facility, aluminum recycling is essentially our business model. The evaluation of generated carbon emissions are assessed on a production or carbon intensity basis. Our South Carolina scrap recycling facility generates 94% less carbon emissions compared to the U.S. primary aluminum manufacturing average and 22% less carbon emissions compared to the U.S. secondary aluminum average.



## Biodiversity

JW Aluminum's South Carolina and Arkansas facilities comply with all federal and state environmental regulations. Each permit application and renewal process considers all possible environmental impacts, including potential impacts to biodiversity associated with emissions to air, water, and waste. With any facility upgrade or addition, the regulatory framework required to make a facility change requires all environmental impacts – including biodiversity impacts associated with air, waste, and waste emissions – to be evaluated. In June 2022, we conducted a biodiversity and ecosystem services risk and impact assessment within our area of influence to determine our proximity to key biodiversity areas and endangered species. Based on the distance from these key areas along with an assessment of how our land use and activities could potentially impact the endangered species, JW Aluminum has determined that the risk to biodiversity is low.

# WASTE MANAGEMENT

Where applicable, JW Aluminum strives to use sustainable material waste management concepts detailed in the EPA’s Waste Management Hierarchy. We have evaluated each waste stream on an individual basis to determine the applicability of waste disposal alternatives by following the waste management hierarchy. Annually, JW Aluminum looks at each waste stream’s disposal method to determine if anything has changed since the last determination of disposal was performed. The waste management hierarchy is the foundation of that evaluation.

## Dross

Dross is a byproduct of secondary aluminum manufacturing and the largest generated waste product at JW Aluminum. The dross is recovered in the melting process, cooled, and shipped to a contracted facility that recovers the usable aluminum. The recovered aluminum is sent back to JW Aluminum in the form of RSI and remelted. The remaining product is landfilled by the contracted company. To reduce waste and improve recovery, we have mechanisms in place to reduce and track the amount of aluminum leaving in the dross. Metal recovery in the melting process is a continuously tracked KPI and a key driver of our business. We implement a dross management plan that outlines specific dross handling and management practices, including storage of dross, aluminum recovery, recycling, and shipping.

## Baghouse Waste

This waste stream is only associated with our South Carolina facility. Solid baghouse waste is produced from particulates and injected lime for HCL and DF control. The waste is collected and processed by a third-party. In 2022, JW Aluminum generated and beneficially reused 1178.1 tons of baghouse waste. Currently, the baghouse waste material is beneficially reused as a raw material in the concrete industry.

Goose Creek, South Carolina Waste / Recycle Streams		
Waste Stream	Landfilled (tons)	Recycled (tons)
Dross	12,241	4,892
Special Waste	899.9	0
Baghouse Dust	18.81	1,178.1
Steel	0	273.59
Cardboard	0	139.55

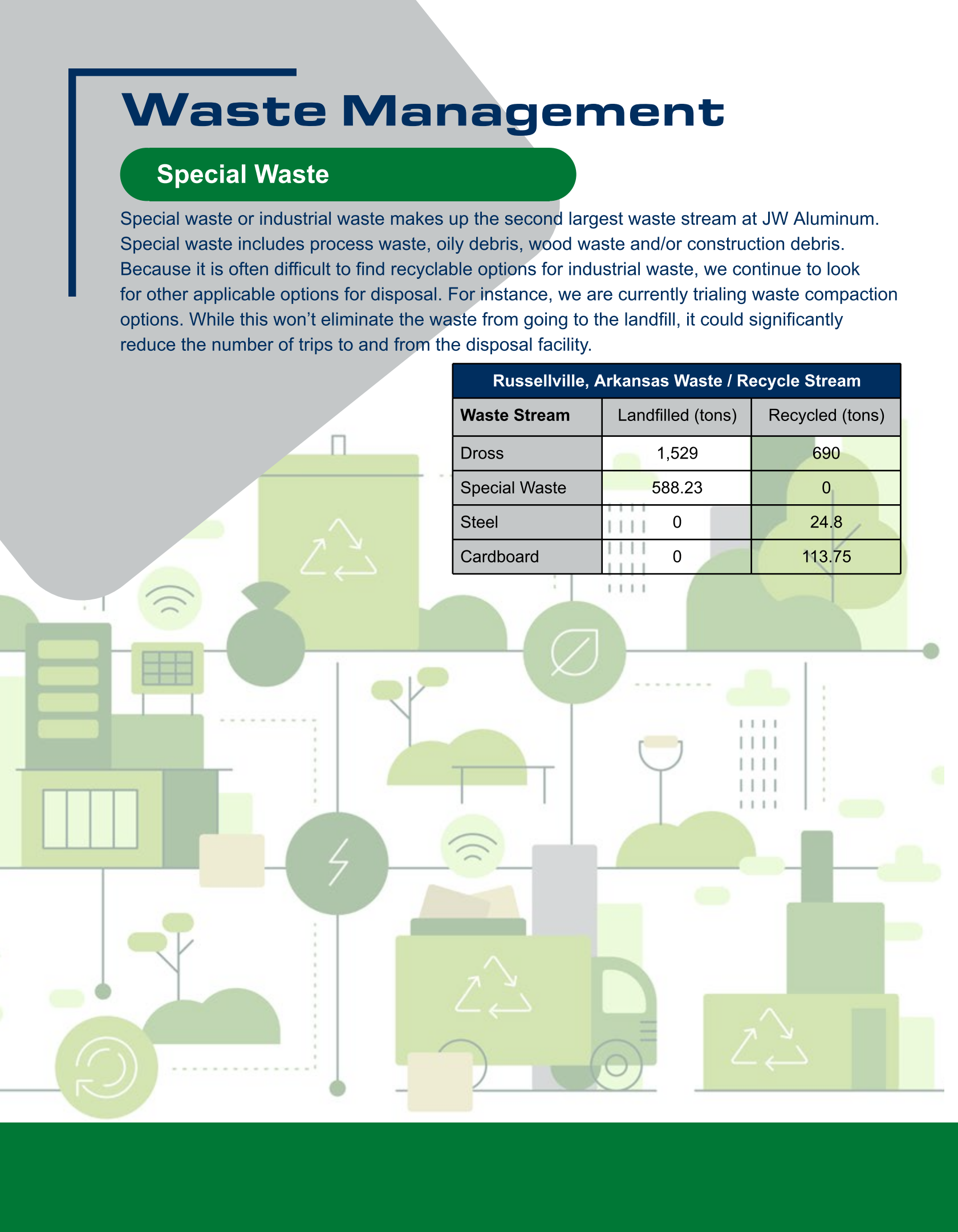
# Waste Management

## Special Waste

Special waste or industrial waste makes up the second largest waste stream at JW Aluminum. Special waste includes process waste, oily debris, wood waste and/or construction debris. Because it is often difficult to find recyclable options for industrial waste, we continue to look for other applicable options for disposal. For instance, we are currently trialing waste compaction options. While this won't eliminate the waste from going to the landfill, it could significantly reduce the number of trips to and from the disposal facility.

**Russellville, Arkansas Waste / Recycle Stream**

Waste Stream	Landfilled (tons)	Recycled (tons)
Dross	1,529	690
Special Waste	588.23	0
Steel	0	24.8
Cardboard	0	113.75



# Certifications

JW Aluminum originally obtained ISO 9000 certification in May 1996, upgraded to ISO 9001-2000 in April 2003, and upgrade again in 2015 to ISO 9001-2008 certified.

In 2018, both the Goose Creek, SC and Russellville, AR facilities obtained ISO 9001-2015.

## Sustainability Reporting

- While this publication is our first collective Sustainability Report including environmental, social and governance topics, we've consistently reported on our environmental performance as required by SCDHEC, ADEQ, and the EPA.
- We are the first aluminum rolled products producer to obtain GreenCircle Certified Environmental Facts multi-attribute certification providing transparent, externally verified environmental data at-a-glance, including recycled content composition, carbon footprint and energy reduction, and waste diversion.

**Certified Environmental Facts®**

Company: JW Aluminum  
 Product: Aluminum Alloy 3105  
 Facility Location: Goose Creek, South Carolina  
 Certification Period: July 1, 2022 - June 30, 2025  
 Certification Number: 22-0428

**Product Specific:**

Total Recycled Content <sup>1</sup>	78%
Pre-Consumer	28%
Post-Consumer	50%
Recyclable Materials <sup>2</sup>	Yes
Take Back Recycling Program <sup>3</sup>	Yes

**Manufacturing Specific<sup>4</sup>:**

Carbon Footprint Reduction <sup>5</sup>	25%
Water Usage Reduction	57%
Energy Usage Reduction	27%
Waste Diversion from Landfill <sup>6</sup>	44%
Total lbs Diverted from Landfill <sup>6</sup>	22,958,968
ISO 9001 Certified	Yes

Baseline Period: February 2020 - January 2021  
 Evaluation Period: February 2021 - January 2022

For more information on the Certified Environmental Facts of this product, please contact: [info@GreenCircleCertified.com](mailto:info@GreenCircleCertified.com), [www.GreenCircleCertified.com](http://www.GreenCircleCertified.com)



\* Attributes in green contribute to LEED v4 and v4.1 credits.  
 1. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 2. 3105 is 100% recyclable. The appropriate recycling facility will need to be evaluated by end users.  
 3. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 4. All reductions benchmarked to production.  
 5. Scope 1 and 2 emissions only.  
 6. Includes both hazardous and non-hazardous material streams.  
 © Copyright 2022 by GreenCircle Certified, LLC

**Certified Environmental Facts®**

Company: JW Aluminum  
 Product: Aluminum Alloy 1100  
 Facility Location: Russellville, Arkansas  
 Certification Period: September 1, 2021 - August 31, 2024  
 Certification Number: 22-0618

**Product Specific:**


Total Recycled Content <sup>1</sup>	42%
Pre-Consumer	23%
Post-Consumer	19%
Recyclable Materials <sup>2</sup>	100%
Take Back Recycling Program <sup>3</sup>	Yes

**Manufacturing Specific<sup>4</sup>:**

Carbon Footprint Reduction <sup>5</sup>	12%
Energy Usage Reduction <sup>6</sup>	12%
Total MJ Reduced <sup>6</sup>	18,353,853
Waste Diversion from Landfill <sup>7</sup>	29%
Total lbs Diverted from Landfill <sup>7</sup>	1,597,724
ISO 9001 Certified	Yes

Baseline Period: November 2015 - October 2016  
 Evaluation Period: May 2020 - April 2021

For more information on the Certified Environmental Facts of this product, please contact: [info@GreenCircleCertified.com](mailto:info@GreenCircleCertified.com), [www.GreenCircleCertified.com](http://www.GreenCircleCertified.com)



\* Attributes in green contribute to LEED v4 and v4.1 credits.  
 1. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 2. Aluminum Alloy 1100 is 100% recyclable. The appropriate recycling facility will need to be evaluated by end users.  
 3. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 4. All reductions benchmarked to production.  
 5. Scope 1 and 2 emissions only, excluding diesel.  
 6. Excludes diesel.  
 7. Includes both hazardous and non-hazardous material streams.  
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**Certified Environmental Facts®**

Company: JW Aluminum  
 Product: Aluminum Alloy 7072  
 Facility Location: Russellville, Arkansas  
 Certification Period: September 1, 2021 - August 31, 2024  
 Certification Number: 22-0617

**Product Specific:**

Total Recycled Content <sup>1</sup>	42%
Pre-Consumer	23%
Post-Consumer	19%
Recyclable Materials <sup>2</sup>	100%
Take Back Recycling Program <sup>3</sup>	Yes

**Manufacturing Specific<sup>4</sup>:**

Carbon Footprint Reduction <sup>5</sup>	12%
Energy Usage Reduction <sup>6</sup>	12%
Total MJ Reduced <sup>6</sup>	18,353,853
Waste Diversion from Landfill <sup>7</sup>	29%
Total lbs Diverted from Landfill <sup>7</sup>	1,597,724
ISO 9001 Certified	Yes

Baseline Period: November 2015 - October 2016  
 Evaluation Period: May 2020 - April 2021

For more information on the Certified Environmental Facts of this product, please contact: [info@GreenCircleCertified.com](mailto:info@GreenCircleCertified.com), [www.GreenCircleCertified.com](http://www.GreenCircleCertified.com)



\* Attributes in green contribute to LEED v4 and v4.1 credits.  
 1. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 2. Aluminum Alloy 7072 is 100% recyclable. The appropriate recycling facility will need to be evaluated by end users.  
 3. This meets the requirements of LEED v4 and v4.1 MR Credit: Sourcing of Raw Materials.  
 4. All reductions benchmarked to production.  
 5. Scope 1 and 2 emissions only, excluding diesel.  
 6. Excludes diesel.  
 7. Includes both hazardous and non-hazardous material streams.  
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# Discharges to Water and Spills

## Discharges to Water

JW Aluminum utilizes water primarily for non-contact cooling water and sanitary water. All water supplied to both of our manufacturing facilities is from the local municipalities; we do not obtain any water from on-site wells. Our South Carolina facility discharges water associated with non-contact cooling water and sanitary water. No process wastewater is discharged at our Arkansas facility.

To minimize water impacts, JW Aluminum's operations are equipped with several cooling towers that assist with the cooling and recycling of water. We continue to work diligently to minimize water usage and maximize our use of recycled water across both facilities.

	Discharged Water (gallons)
Goose Creek, South Carolina	6,432,573
Russellville, Arkansas	692,500

## Stormwater and Spill Management

JW Aluminum complies with EPA's Spill, Control, and Countermeasure (SPCC) rule, which sets specific requirements for the prevention of, preparedness for, and response of oil discharges at industrial facilities. We have a documented, site-specific SPCC plan that outlines how we meet the requirements of the SPCC rule. The plan also includes an environmental impact assessment of each oil containing area for both the South Carolina and Arkansas facilities.

JW Aluminum also complies with specific requirements set forth in the SCDHEC NPDES General Permit for Stormwater Discharges Associated with Industrial Activities and ADEQ Industrial Stormwater General Permit. Each facility has a site-specific Stormwater Pollution Prevention Plan (SWPPP) that outlines specific best management practices used to prevent stormwater discharges. JW Aluminum did not have any major spills in 2022 that required further reporting.

# Social and Ethical Management System Policy

## ETHICS

- Ensuring we are a responsible and accountable corporate citizen by following applicable laws and ethical business practices
- Transparency and accountability in all aspects of JW Aluminum's activities and practices
- Having a diverse and inclusive work environment
- Implementing mechanisms for teammates and other stakeholders to voice concerns and offer feedback on JW Aluminum's activities and practices
- Complying with the Code of Conduct
- Showing respect for our stakeholders





# TRANSPARENCY

## Requests for Information, Complaints and Grievances

### ■ Whistleblowing

If a teammate suspects that there is an instance of ethical violation activities occurring in relation to JW Aluminum, they are encouraged to raise concerns at an early stage. If they are uncertain about whether a certain action or behavior can be considered an ethical concern, they should speak to the appropriate manager, director, Human Resources or an Executive.

JW Aluminum encourages reporting of all perceived incidents of violation of the Code of Conduct or ethics. JW Aluminum will promptly and thoroughly investigate such reports. JW Aluminum also prohibits any retaliation against an individual who, in good faith, reports or participates in the investigation of an ethical concern.

### ■ Open-Door Policy

Our Corporate Policy Manual outlines the company's Open-Door policy. We encourage teammates to work with management to address any of their concerns. We are committed to be receptive and fair. We give teammates the right to appeal.

### ■ External Inquiries

There are multiple forms on our company website where stakeholders outside of the company can make inquiries. When the forms are submitted, they are automatically electronically directed to a teammate in a department that can address the inquiry or concern.



# SOCIAL AND ETHICAL

At the cornerstone of JW Aluminum's WIN Culture is our vision statement: By developing our people, improving our processes, and delivering value to the marketplace safely, the JW Aluminum team can achieve our vision to become The Leading Aluminum Rolled Products Company in the World.

The Code of Conduct and Ethics sets forth the expectations of how we live WIN, conduct business, and interact with each other and our business partners.

## TEAMMATES

- With over 500 teammates across three locations, we believe that our people are the key to our success. We believe that investing in our people to live the WIN culture and lead safety is pivotal in developing a sustainable future. By investing in our people, we support the retention of current teammates and attract new highly talented teammates to our organization. This creates a competitive edge for us when looking to find talent in the labor market.

## NON-DISCRIMINATION

- We believe that people should be assessed on their merits and qualifications. We ensure that procedures exist to allow complaints of harassment and bullying to be dealt with and resolved within JW Aluminum through our open-door policy or ethics complaint line, without limiting any person's entitlement to pursue resolution of their complaint with the relevant statutory authority. We are committed to the elimination of all forms of harassment and bullying.

## EQUALITY

- At JW Aluminum we support Gender Equity and Women's Empowerment throughout all levels of the organization. Our ESG guiding coalition regularly reviews the composition of our workforce as well as programs and opportunities for diversity and inclusion. Current initiatives to drive women's empowerment are included in all aspects of employment including recruiting, onboarding, mentoring, and career development. With most of recruiting being conducted through our referral program, JW Aluminum works to drive Gender Equality and Women's Empowerment through referrals by current teammates.

# Human Rights

JW Aluminum ensures all fundamental human rights practices in accordance with international best practices. We comply with United States Federal and State Laws, as well as the International Labor Organization and UN guidelines regarding remuneration, working times, family leave, disciplinary practices, and Freedom of Association.

We are dedicated to promoting respect for fundamental human rights wherever we operate and encourage the same from all entities and individuals with whom we have a business relationship. We expect teammates to maintain an environment that reflects respect for human rights and is free from all forms of discrimination and harassment.

JW Aluminum has zero-tolerance for any form of modern slavery. We believe that people should work because they want or need to, not because they are forced to do so. We prohibit the use of all forms of forced labor, including prison labor, indentured labor, bonded labor, military labor, slave labor and any form of human trafficking.

At JW Aluminum, we provide our teammates along with anyone working on site with us training on how to respect human rights and protect from modern day slavery. We have integrated modern slavery prevention into our human rights due diligence process and risk assessment in order to assess potential impacts both internally and through our partners. We provide our teammates with training annual on how to identify potential human rights violations and avenues for reporting them.



# Community Involvement

JW Aluminum values connecting and fostering deep relationships with external stakeholders and local community members. We continually engage with community members on events and look for opportunities to contribute to community development.

For example, The Salvation Army Angel Tree program helps provide Christmas gifts for children around the country.

In a typical year, donations to The Salvation Army put new clothes and toys under the tree for one million children who usually go without Christmas gifts.

Anonymous donors adopt these little angels in an expanding Christmas tradition that makes the season more rewarding.

Teammates at our South Carolina facility were excited to participate and adopt angels from our local community. Angels and their families provide a "wish list" that is hung on the tree. Teammates purchased gifts from each angel's wish lists to donate.



# Developing Our People

To support our Vision to Develop our People, we offer all full-time teammates a tuition reimbursement program. Teammates use the program to defray the costs for college courses related to their present position or to a position they aspire to within the company. In addition to tuition reimbursement, the JW Aluminum Apprentice Program gives teammates the opportunity to learn more and earn more. A Registered Apprenticeship Program provides a path for teammates to advance their careers and acquire the knowledge and skills needed to become an expert in their field.

## Sustainable Development Goals

4 QUALITY EDUCATION



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Through a combination of on-the-job and classroom training, teammates who complete the program earn an Industrial Maintenance Technician or Electrical Instrumentation Technician certification. Every graduate of the JW Aluminum Registered Apprenticeship program will receive a nationally recognized credential – Journeyman or Journey Worker – certifying that the teammate is fully qualified for that occupation.

We are passionate about manufacturing, developing our people in the skilled trades fields, and providing a safe and rewarding work environment and company culture. We encourage all teammates to build a successful, fulfilling career with us through retirement.

Our line of work and our commitment to career development supports The United Nations Sustainable Development Goal 9, which promotes inclusive and sustainable industrialization through manufacturing value and employment. Goal 4 calls for equal access to affordable and quality technical and vocational education. All lead to Goal 8: decent work and economic growth, for our company, our teammates, and workers across the globe.



# CONTACT



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