

TEXARKANA ALUMINUM

AIR EMISSIONS MANAGEMENT SUMMARY

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Air Emissions Management Summary

Our Commitment

Our facility is committed to responsible environmental stewardship and the protection of air quality for our employees, neighbors, and surrounding communities. As part of our Environmental Management System (EMS), we manage air emissions in alignment with ISO 14001 principles, focusing on pollution prevention, regulatory compliance, operational discipline, and continual improvement.

We recognize that aluminum manufacturing processes can generate air emissions from melting, heating, rolling, and material handling operations. Our approach is designed to control these emissions through engineered systems, preventive maintenance, routine monitoring, and transparent management practices.

Key Sources of Air Emissions

Our operations include several processes that may generate air emissions, including:

- **Baghouses (dust collection systems):** control particulate matter and metal-containing dust from production and material handling
- **Oil scrubbers and mist collection systems:** capture oil mist, aerosols, and process vapors
- **Direct-fired and indirect-fired furnaces:** used for heating and thermal processing, with controls focused on combustion efficiency and reduction of combustion-related emissions

Emission Control Systems

To minimize environmental impact, we utilize multiple layers of emissions control:

- **Dust Collection:** Baghouses and dust collection systems capture particulate matter generated during manufacturing and material movement. These systems are routinely inspected, maintained, and monitored to ensure effective filtration and proper operation.
- **Oil Mist and Vapor Control:** Oil scrubbers and mist collection equipment reduce airborne oil droplets and vapors generated during rolling and lubrication processes. Preventive maintenance and operational checks help maintain performance.
- **Furnace Emissions Management:** Our furnaces are operated using controlled combustion practices designed to improve fuel efficiency and reduce emissions such as nitrogen oxides (NO_x), carbon monoxide (CO), and particulate matter. Burner systems are inspected and tuned regularly.
- **Coolant and Hydrocarbon Controls:** Rolling operations using kerosene coolant and emulsions are managed with ventilation, leak prevention, and containment systems to reduce vapor and mist emissions while supporting workplace safety.

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Monitoring and Compliance

We maintain programs to monitor emissions-related equipment and verify compliance with applicable environmental regulations and permit requirements. Our air management practices include:

- Routine inspections of emission control equipment
- Preventive maintenance schedules for critical systems
- Operating parameter checks such as pressure, flow, and combustion efficiency
- Visible emissions observations
- Investigation and correction of abnormal conditions
- Environmental recordkeeping and regulatory reporting, as required

Emergency Preparedness

The facility maintains response procedures for abnormal emissions events such as equipment failures, leaks, or process upsets. These procedures prioritize employee safety, rapid response, environmental protection, and regulatory compliance.

Accountability and Transparency

Environmental responsibility is integrated into our operations through leadership oversight, employee training, operational controls, and management review. We are committed to:

- Meeting or exceeding applicable legal requirements
- Preventing pollution
- Reducing environmental impact
- Supporting responsible manufacturing
- Maintaining open communication regarding our environmental management approach

Looking Ahead

As part of our commitment to sustainable aluminum manufacturing, we will continue investing in systems, practices, and technologies that reduce air emissions and improve environmental performance. Protecting air quality is a core part of how we operate responsibly today and into the future.