
Air Emissions, Water Discharge, Spills and Waste Plan

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1. About Arconic

- Arconic is a leading provider of aluminum sheet, plate, and extrusions, as well as innovative architectural products, that advance the automotive, aerospace, commercial transportation, industrial, packaging, and building and construction markets.
- Arconic is committed to being a good corporate citizen and living our values to minimize our environmental footprint and maximize the value we bring to our key stakeholders, including our shareholders, employees, customers, suppliers, and communities in which we operate.
- Together, we are responsible for the impact we have on the world around us. That's why we are setting realistic goals which will enable us to make a positive difference to our people, our processes, our products, and the planet.
- Lightweight, high strength and infinitely recyclable, the metal we work with is an essential part of everyday life. The standards we set moving forward will play a crucial role in establishing a global circular economy.
- Aluminum is the future. Our vision is to deliver the most sustainable aluminum solutions, setting real and achievable goals that advance our world, for the benefit of everyone.

2. Arconic and Aluminum Stewardship Initiative (ASI)

- Arconic, an industrial user of aluminum, joined ASI December of 2016 and has always supported ASI's intentions since becoming a member. Arconic is a member of the ASI Standards Committee.
- Arconic's certification journey is driven by our major customers. We seek certification when a customer request or business needs calls for it.
- Four (4) Arconic locations and the corporate headquarters are certified to the ASI Performance Standard.

Arconic ASI Performance Standard Locations



3. Emissions, Effluents and Waste - Scope and Organizational Plan

- Arconic has developed standards to comprehensively address environmental emissions and effluents, which meet the requirements specified in the ASI Performance Standard v3. including:
 - Air Emissions
 - Air Emissions Management Standard

- Air Pollution Standard
- Waste
 - Management and Disposal of Dross and Dross Residues Standard
 - Environmental Auditing of Commercial Hazardous and Non-Hazardous Industrial Waste Treatment, Storage and Disposal Facilities Standard
 - Waste Management Standard
- Water
 - Water and Wastewater Management Standard
 - Fresh Water Standard
 - Soil Contamination Standard
- Spills and Leakages
 - Emergency Preparedness and Response Standard
 - RPCC Outline for Regulated Facilities with Chemical Storage Standard
 - RPCC Outline for Regulated Facilities without Chemical Storage Standard
- This Plan highlights and provides an overview of the strategies and efforts across all Arconic certified ASI Performance standard entities to:
 - Minimize exposure to, and impacts from, emissions to air;
 - Minimize exposure to, and impacts from, discharges to water;
 - Prevent, detect, and respond to spills; and
 - Implement a waste management process in accordance with the Waste Minimization Hierarchy.
- This plan is available to the public.
- The operating permits are issued after review and collaboration with the applicable regulatory agencies. Validity periods:
 - North America: 5 years
 - China: 5 years
 - UK: Indefinite (reviewed after process change)
 - Hungary: 5 years
- Corrective Action Plans (i.e., root cause investigation, corrective actions, and preventative actions) are developed and implemented by the site environmental team after review by the

Corporate Environmental team after any emissions limit is violated and/or any operational changes that impact emissions.

4. Air Emissions

- Arconic discloses its material emissions to air annually in its Sustainability report.
- Arconic meets the requirements for air emission plans for its respective certified ASI entities through compliance with issued Operating permits as well as enforceable requirements from federal/national, state/province, and local regulatory authorities. Through these operating permits, entities are expected to comply with various requirements such as submitting semi-annual compliance reports, performing periodic air emissions testing, and installation and operation of air pollution control devices at the respective sites.
- Arconic through its Capital Projects team continuously investigates pollution control opportunities to mitigate emissions to air. Improvements and opportunities have included baghouses, low NOx burners, etc.
- All these operating permits are public records, hence are accessible to the public.

5. Discharge to Water

- Arconic discloses its water discharges and consumption in its Sustainability report.
- Arconic meets the requirements for water discharge plans for its respective certified ASI entities through compliance with issued operating permits (NPDES, POTW, etc.) as well as enforceable requirements from federal/national, state/province, and local regulatory authorities. Through these operating permits, entities are expected to comply with various requirements such as periodic compliance reports, performing periodic water sampling, and installation and operation of water treatment control systems and/or devices at the respective sites.
- Arconic through its Capital Projects team continuously investigates water treatment opportunities to maintain compliance and potentially reduce, recycle, and treat prior to discharge to meet discharge limits. Improvements and opportunities have included closed loop water systems, the iNEWT system, etc.
- All these operating permits are public records, hence are accessible to the public.

6. Spills and Leakages

- A company-wide risk assessment has been completed to assess risks associated with spills and leakages from equipment, chemical storage, etc. This process is called the Sumps, Pits

and Basements Inventory Risk Assessment. These risks were categorized and ranked based on various criteria.

- All North America Arconic locations have completed an assessment of major risk areas in the operations for potential spills and leakages and documented in the Release Prevention Control and Countermeasure (RPCC) plan, which includes the Spill Prevention Control and Countermeasure and Emergency Response Plans. The RPCC Plan, which contains the management plan, is shared with relevant public agencies such as local fire/EMS departments, state regulatory agencies, and local emergency planning communities in the event of an incident. This plan is reviewed internally and resubmitted at minimum every 5 years to these channels. The plan details quantities of material on site as well as location to facilitate response.
- After every material spill or leakage, it is documented or captured in the RPCC plan.
- Material spills are reported to federal/national, state/province and/or local regulatory agencies per regulatory requirement.
- Arconic through its Capital Projects team continuously investigates spill prevention opportunities to maintain compliance and prevent releases. Improvements and opportunities have included spill pump back systems, removal of underground storage tanks, etc.

7. Waste

- Arconic discloses Hazardous and Non-Hazardous wastes from its entities through their respective operational activities in its annual sustainability report.
- Arconic sets its programs to meet all regulatory requirements from federal/national, state/province and local governments. These are done to minimize impact to human well-being and the environment through:
 - Waste characterization or waste determination,
 - Waste storage and handling, and
 - Waste disposal and recycling options.
- All Arconic sites have a waste management program that includes company personnel and contractors that oversee the implementation of the actionable items to ensure compliance with regulatory requirements.
- Through the Waste Avoidance, Reuse, Recycle, Waste to Energy and Disposal approach, Arconic adheres to the Waste Mitigation hierarchy.

- Arconic through its Capital Projects team continuously investigates waste diversion and treatment opportunities to maintain compliance and reduce waste generation. Improvements and opportunities have included briquetting systems, scrap separation systems, etc.

8. Plan Revision, Disclosure and Update

- Arconic will continue to review this Emissions, Water Discharge, Spills and Waste Plan periodically based on the following:
 - Material changes in operational activities
 - Updates to regulatory requirements
 - Permit exceedances/violations
 - Material spills and leakages
- The current version will be publicly available through the Arconic website.