



Environmental Policy

An Environmental Policy has been developed by the Mission Support Alliance in order to establish the overall goals of the Environmental Management System. The Policy contains a commitment to compliance with requirements, continual improvement, environmental protection and pollution prevention, minimize wastes and conserve resources. The Policy has been communicated to all employees and contractors working at the Hanford Site. In addition, it is provided to the public so that they are aware of the efforts being taken to reduce our environmental footprint.

Control of Potential Environmental Aspects

Mission Support Alliance (MSA) has examined its operations and activities to determine which categories of environmental aspects have the greatest potential to occur and could cause the greatest impact to the environment. The environmental aspects are defined as the elements of an organization's activities, products or services that can interact with the environment. Those aspects that are considered significant are the ones that will be given our utmost attention and controlled through our Environmental Management System (EMS). The aspects that have been identified as significant are listed below along with the controls that are employed within the EMS to minimize the potential impact.



It is Mission Support Alliance (MSA) policy to be responsible stewards of the environment. Sustainable environmental stewardship practices shall be incorporated as a core value in all our operations. MSA is committed to achieving environmental excellence through the systematic integration of environmental protection, as well as worker health and safety protection and quality principles in all operations. To this end, MSA will establish, document, implement, maintain and continually improve an environmental management system (EMS) that will be an integral component of the MSA Integrated Safety Management System.

In support of this policy, MSA shall:

- **Continual Improvement:** Foster environmental stewardship and strive to continually improve our environmental performance.
- **Objectives and Targets:** Determine on an annual basis, the aspects of our operations that impact the environment and establish environmental performance objectives, indicators and/or targets.
- **Performance Review:** Perform an annual review of objectives, indicators and targets, as well as our EMS, to identify programmatic strengths, weaknesses and areas needing improvement. Top management shall review the results of this assessment.
- **Compliance with Requirements:** Comply with all applicable environmental laws, regulations, directives, and agreements.
- **Pollution Prevention:** Integrate environmental monitoring, pollution prevention, resource conservation, waste minimization, energy and transportation management, chemical management, natural and cultural resource management, and green purchasing into our operations.
- **Environmental Protection:** Assess our activities and promptly report and seek to correct environmental incidents and deficiencies.
- **Stakeholder Engagement:** Work together with our customer, other prime contractors, subcontractors, regulators, tribal nations, stakeholders, and the public, when practical or required, to improve our environmental performance.
- **Environmental Communication:** Provide employees, stakeholders and interested members of the public timely, accurate, and meaningful information related to our environmental performance.

This policy shall be communicated to all MSA employees and to MSA subcontractors and shall be made available to the public. Employees and subcontractors shall adhere to this policy.

This policy partially implements ISMS Core Function #1, "Define the Scope of Work".

A handwritten signature in black ink, appearing to read "Frank Armijo".

Frank Armijo
MSA President and General Manager

Emissions to Air: The activities of MSA create opportunities to cause releases to the environment. These could occur as air emissions from vent hoods in our labs and maintenance shops, from the stacks of our boilers or the emissions of greenhouse gases from our vehicles. By controlling the chemicals we utilize in our operation, emissions from vent hoods can be mitigated. The use of scrubbers on our boilers minimizes the pollutants going out our stacks. The increased usage of alternative fuel vehicles, alternative fuels such as E85 diesel, and higher mileage vehicles reduce the emission pollutants.

Use of Natural Resources: Many of the MSA activities require the use of energy, fuel and water. Energy is utilized to support all the normal office activities, including lighting, heating/cooling and office equipment operation. In addition, equipment is utilized in the shops and out in the field which requires various energy sources for operation. Our first approach within the EMS is to reduce our energy needs. However, some energy demands will remain and for those needs we are looking to renewable sources of energy.

To reduce vehicle emissions, the increased usage of alternative fuels and use of higher-mileage vehicles through appropriate fleet management will also reduce the dependence on petroleum based fuels.

Water is a scarce resource in the Eastern Washington environment as it is in many parts of our country. This, as well as the other natural resources identified above, is addressed within the comprehensive Hanford Site Sustainability Plan.



Solid Waste Generation: The use of office products and equipment, as well as construction and maintenance activities create non-regulated solid waste streams which often end up in a landfill. An objective to reduce waste generation, reuse materials and recycle what still cannot be eliminated will divert waste going to the landfill to more environmentally preferable solutions to this problem.

Radioactive Material Use and Storage: Radioactive materials are used by MSA during the analysis of environmental samples in our laboratory. The minimum amount of these materials is purchased in order to perform the required testing. Comprehensive procedures and controls to prevent their release to the environment, along with employee training on how to store and handle these materials are employed.

Radioactive Waste Generation and Management: Laboratory activities generate radioactive wastes as do some biological control activities. Packaging and storage of these wastes is carried out in accordance with all appropriate regulations by highly trained employees following strict procedures.

Toxic and Hazardous Material Use and Storage: Toxic and hazardous (regulated) material use is required in most departments to some degree and to a greater extent in the operation and maintenance of the site infrastructure and utilities. Items such as fluorescent bulbs, batteries, toner cartridges, vehicle fluids and cleaning products fall into this category. A program to purchase environmentally preferable materials should reduce the number and quantity of regulated materials utilized in the operation. Employees are trained on how to store and handle these materials to prevent their release to the environment.

Regulated Waste Generation and Management: Many of the materials identified above may also end up as a regulated waste. The purchase of environmentally preferable materials should likewise reduce the quantity of regulated waste generation and also limit the requirements for the management of those materials. Training of our employees and routine inspection of our regulated waste storage facilities will ensure that storage requirements are carried out according to environmental regulations.

Cultural, Historical & Ecological Resource Disturbance: At times, our construction and maintenance activities can lead to an impact to wildlife, vegetation, cultural and historical resources. Comprehensive procedures, along with worker training, provide guidance on how to minimize or mitigate the environmental impact.

Sustainable Acquisition: In some cases, aspects may have a positive environmental impact. Sustainable acquisition is one of those aspects. The procurement of environmentally preferable products and materials extends from the purchase of products and materials produced from recycled components to products that have a minimal impact on the environment at the end of their life. This aspect also includes the design and construction of green buildings conforming to modern standards and even environmentally preferable landscaping.

Electronic Stewardship: Like most large businesses, MSA uses thousands of computers and computer monitors which use energy and have the potential to contain hazardous components. A program is in place to purchase the most energy efficient equipment possible. In addition, when computers and monitors are beyond their useful life at MSA, they are sent off for recycling after opportunities for reuse are pursued.