

Hazardous Materials Handling and Management Plan

1. Purpose and Scope

1 This Hazardous Materials Handling and Management Plan ("Plan") establishes comprehensive protocols for the safe identification, management, storage, transportation, and disposal of hazardous materials at Nexus Intelligent Systems, Inc. (the "Company").

2 The Plan applies to all Company facilities, research laboratories, testing environments, and any operational spaces where hazardous materials may be present or utilized in connection with the Company's enterprise AI services and predictive analytics technologies.

2. Definitions

1 "Hazardous Materials" shall mean any substance, material, or chemical that poses a potential risk to human health, safety, or environmental integrity, including but not limited to:

- a) Toxic chemicals
- b) Flammable liquids and gases
- c) Corrosive substances
- d) Radioactive materials
- e) Biological hazards
- f) Electronic waste containing potentially harmful components

3. Regulatory Compliance

1 The Company shall maintain full compliance with the following regulatory frameworks:

- a) Occupational Safety and Health Administration (OSHA) Regulations
- b) Environmental Protection Agency (EPA) Guidelines
- c) Resource Conservation and Recovery Act (RCRA)
- d) Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
- e) State and local hazardous materials management regulations

2 All employees handling hazardous materials must complete mandatory annual training and certification programs addressing safe handling, emergency response, and regulatory requirements.

4. Risk Assessment and Inventory Management

1 The Company shall maintain a comprehensive, real-time digital inventory system documenting:

- a) Precise quantities of hazardous materials
- b) Chemical composition and properties
- c) Storage locations
- d) Associated safety protocols
- e) Expiration and replacement schedules

2 Quarterly risk assessments shall be conducted by the Company's Environmental Health and Safety (EHS) team to evaluate potential exposure risks and implement mitigation strategies.

5. Storage and Containment Protocols

1 Hazardous materials shall be stored in:

- a) Specialized, chemically-resistant containment units
- b) Temperature-controlled environments
- c) Secured areas with restricted access
- d) Properly labeled and color-coded containers

2 Storage areas must include:

- a) Appropriate ventilation systems
- b) Emergency eyewash and decontamination stations
- c) Fire suppression equipment
- d) Spill containment materials

6. Transportation and Handling Guidelines

1 Internal Transportation Requirements:

- a) Use of specialized containment vessels
- b) Mandatory personal protective equipment (PPE)
- c) Designated transportation routes within facilities
- d) Continuous chain of custody documentation

2 External Transportation:

- a) Compliance with Department of Transportation (DOT) regulations
- b) Certified hazardous materials transportation specialists
- c) Comprehensive shipping manifests
- d) Emergency response contact information

7. Emergency Response and Contingency Planning

1 The Company shall maintain a detailed Emergency Response Plan including:

- a) Immediate notification protocols
- b) Evacuation procedures
- c) Medical intervention guidelines
- d) Environmental containment strategies

2 Annual emergency response drills shall be conducted to ensure personnel readiness and procedural effectiveness.

8. Disposal and Environmental Mitigation

1 Hazardous materials disposal shall adhere to:

- a) EPA-approved disposal methodologies
- b) Certified waste management partner protocols
- c) Comprehensive documentation of disposal activities
- d) Minimization of environmental impact

9. Recordkeeping and Documentation

1 Detailed records shall be maintained for a minimum of seven (7) years, including:

- a) Material Safety Data Sheets (MSDS)
- b) Inventory logs
- c) Training certifications
- d) Incident reports
- e) Disposal documentation

10. Liability and Indemnification

1 Strict adherence to this Plan is mandatory. Failure to comply may result in disciplinary action, potential legal liability, and immediate termination of employment.

11. Execution

Approved and implemented this 22nd day of January, 2024.

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Dr. Elena Rodriguez

Chief Executive Officer

Nexus Intelligent Systems, Inc.