

WASTE MANAGEMENT PROTOCOL - MANUFACTURING

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MANUFACTURING OPERATIONS

NaviFloor Robotics, Inc.

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1. PURPOSE AND SCOPE

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1. This Waste Management Protocol ("Protocol") establishes the procedures

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2. This Protocol applies to all employees, contractors, and third-party vendors

2. DEFINITIONS

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1. "Hazardous Waste" means any waste material designated as hazardous under

a) Used electronic components containing heavy metals

b) Lithium-ion batteries and battery components

c) Chemical solutions used in PCB manufacturing

d) Solvent-based cleaning agents

e) Adhesives and epoxy residues

- - 2 -

2. "Non-Hazardous Waste" means all other waste materials generated during

- a) Packaging materials
- b) Metal scraps and shavings
- c) Plastic components and casings
- d) General industrial waste

3. WASTE SEGREGATION AND STORAGE

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1. All manufacturing waste must be segregated into designated categories:

- a) Electronic waste
- b) Battery waste
- c) Chemical waste

d) Metal waste

e) Plastic waste

f) General industrial waste

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2. Storage Requirements:

a) Hazardous waste must be stored in designated containment areas with proper ventilation

b) Chemical waste must be stored in compatible containers with appropriate labeling

c) Battery storage must comply with fire safety regulations

d) Electronic waste must be protected from moisture and extreme temperatures

4. HANDLING AND DISPOSAL PROCEDURES

- - 4 -

1. General Requirements:

- a) Only authorized personnel may handle hazardous waste
- b) Appropriate personal protective equipment (PPE) must be worn
- c) All waste transfers must be documented in the waste tracking system
- d) Spill prevention and response procedures must be followed

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2. Disposal Protocol:

- a) Hazardous waste disposal must be conducted through certified waste management contractors
- b) Electronic waste must be processed through authorized e-waste recyclers
- c) Metal and plastic waste must be recycled where possible
- d) Documentation of disposal must be maintained for 5 years

5. DOCUMENTATION AND REPORTING

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1. Required Documentation:

- a) Waste generation logs
- b) Disposal manifests
- c) Training records
- d) Inspection reports
- e) Incident reports

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2. Reporting Requirements:

- a) Monthly waste generation reports
- b) Quarterly compliance reviews

- c) Annual environmental impact assessments
- d) Immediate reporting of any spills or incidents

6. TRAINING AND COMPLIANCE

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1. All personnel involved in waste handling must complete:

- a) Initial waste management training
- b) Annual refresher courses
- c) Hazardous materials handling certification
- d) Emergency response training

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2. Compliance Monitoring:

- a) Weekly facility inspections

- b) Monthly compliance audits

- c) Quarterly third-party assessments

7. EMERGENCY PROCEDURES

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- 1. In case of spills or accidents:

- a) Immediately notify facility supervisor

- b) Implement spill containment procedures

- c) Document incident details

- d) Contact emergency response team if necessary

8. AMENDMENTS AND UPDATES

- - 8 -

1. This Protocol shall be reviewed annually and updated as necessary to maintain

9. ENFORCEMENT

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1. Failure to comply with this Protocol may result in disciplinary action up to

APPROVAL AND EXECUTION

APPROVED AND ADOPTED by NaviFloor Robotics, Inc.

By:

Richard Torres

Chief Operating Officer

Date: _ 9 -

By:

Elena Kovacs

Chief Research Officer

Date: _

REVISION HISTORY

Version 1.0 - January 15, 2024 - Initial Protocol

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