

ENVIRONMENTAL MONITORING PROGRAM

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Polar Dynamics Robotics, Inc.

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1. PURPOSE AND SCOPE

1. This Environmental Monitoring Program ("Program") establishes the
2. This Program applies to all Company facilities, testing environment

2. DEFINITIONS

1. "Critical Environmental Parameters" means temperature, humidity,
2. "Monitoring Zone" refers to any designated area within a facility wh
3. "BlueCore(TM) Operating Parameters" means the manufacturer-sp

3. MONITORING REQUIREMENTS

1. Temperature Monitoring

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Continuous monitoring of ambient temperature in all Monitoring Zones

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Temperature logging at minimum 5-minute intervals

- - 2 -

Alert triggers for deviations outside -40 C to +10 C range

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Automated notification system for temperature excursions

2. Humidity Control

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Relative humidity monitoring in all Monitoring Zones

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Maximum allowable humidity level: 85%

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Minimum logging frequency: 15-minute intervals

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Condensation prevention protocols

3. Environmental Sensors

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Calibrated sensor placement every 500 square feet

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Redundant sensor systems in critical areas

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Monthly sensor calibration verification

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Quarterly sensor replacement program

4. DATA COLLECTION AND REPORTING

1. Automated Data Collection

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Real-time data aggregation from all environmental sensors

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Secure cloud storage of environmental data

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Minimum data retention period of 24 months

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Automated daily data integrity checks

2. Regular Reporting Requirements

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Daily environmental condition summaries

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Weekly compliance reports

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Monthly trend analysis

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Quarterly system performance reviews

5. COMPLIANCE AND CORRECTIVE ACTIONS

1. Environmental Excursions

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Immediate notification of out-of-specification conditions

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Required investigation of all environmental excursions

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Documentation of root cause analysis

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Implementation of corrective actions within 24 hours

2. Regulatory Compliance

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Maintenance of records per FDA 21 CFR Part 11

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Compliance with OSHA workplace safety standards

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Adherence to EPA monitoring requirements

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Regular regulatory compliance audits

6. TRAINING AND QUALIFICATION

1. Personnel Requirements

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Annual environmental monitoring training for all technical staff

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Qualification program for monitoring system operators

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Documentation of training completion

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Regular competency assessments

2. Standard Operating Procedures

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Written procedures for all monitoring activities

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Regular review and updates of procedures

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Version control and document management

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Accessibility of procedures to all relevant personnel

7. QUALITY ASSURANCE

1. System Validation

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Annual validation of monitoring systems

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Performance qualification protocols

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Change control procedures

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Validation documentation requirements

2. Audit Program

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Quarterly internal audits

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Annual third-party audits

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Management review of audit findings

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Corrective action tracking

8. EMERGENCY PROCEDURES

1. System Failures

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Backup monitoring procedures

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Emergency notification protocols

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Business continuity plans

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Recovery procedures

2. Documentation Requirements

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Incident reports

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Investigation findings

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Corrective actions

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Preventive measures

9. PROGRAM REVIEW AND UPDATES

1. This Program shall be reviewed annually by the Company's Environmental
2. Updates to this Program must be approved by the Chief Technology

10. AUTHORIZATION

This Environmental Monitoring Program is hereby authorized and approved

Dr. Elena Frost

Chief Executive Officer

Polar Dynamics Robotics, Inc.

Marcus Chen

Chief Technology Officer

Polar Dynamics Robotics, Inc.

Date: _

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