

COLD STORAGE FACILITY SAFETY PROTOCOL MANUAL

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Polar Dynamics Robotics, Inc.

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1. PURPOSE AND SCOPE

1. This Cold Storage Facility Safety Protocol Manual ("Manual") estab

2. This Manual applies to all Company facilities maintaining temperatures below -40 F.

2. DEFINITIONS

1. "Authorized Personnel" means employees, contractors, or visitors who are authorized to enter the facility.
2. "BlueCore(TM) Zones" refers to designated areas where BlueCore(TM) is used.
3. "Emergency Response Team" ("ERT") consists of specially trained personnel who are responsible for responding to emergencies.

3. GENERAL SAFETY REQUIREMENTS

1. Personal Protective Equipment (PPE)

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Insulated coveralls rated for -40 F

- - 2 -

Company-approved safety boots with non-slip soles

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Thermal gloves with touchscreen compatibility

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Safety glasses with anti-fog coating

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High-visibility vest with reflective strips

2. Access Protocols

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Valid facility access badge must be displayed at all times

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Minimum two-person rule in effect for all cold storage areas

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Maximum continuous exposure time: 4 hours

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Mandatory 30-minute warm room breaks every 2 hours

4. AMR INTERACTION PROTOCOLS

1. Personnel Requirements

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Completion of BlueCore(TM) Safety Certification

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Understanding of AMR navigation patterns

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Knowledge of emergency stop procedures

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Familiarity with robot status indicators

2. Safety Zones

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Maintain 6-foot minimum distance from operating AMRs

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Observe marked robot travel lanes

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Do not cross designated AMR pathways when warning lights are active

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Respect automated door operation zones

5. EMERGENCY PROCEDURES

1. Cold Exposure Response

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Immediately exit facility if experiencing numbness or disorientation

- - 5 -

Report to medical observation room

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Contact facility supervisor

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Document incident in safety log

2. AMR Malfunction Response

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Activate nearest emergency stop button

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Clear personnel from affected area

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Contact robotics support team

-

Implement facility lockdown if necessary

6. MONITORING AND COMPLIANCE

1. Environmental Monitoring

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Temperature monitoring every 30 minutes

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Humidity level documentation

-

Air quality assessment

-

Emergency system testing

2. Safety Audits

- - 7 -

Weekly facility inspections

-

Monthly PPE compliance checks

-

Quarterly emergency response drills

-

Annual comprehensive safety review

7. TRAINING REQUIREMENTS

1. Initial Certification

-

8-hour cold environment safety course

-

BlueCore(TM) technology orientation

-

Emergency response training

-

PPE usage certification

2. Ongoing Training

-

Annual recertification

-

Quarterly safety updates

-

New technology briefings

-

Emergency procedure reviews

8. DOCUMENTATION AND REPORTING

1. Required Records

-

Daily safety checklists

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Incident reports

-

Training certificates

-

Equipment inspection logs

2. Reporting Procedures

-

Immediate reporting of safety violations

- - 10 -

Weekly safety performance reviews

-

Monthly compliance reports

-

Quarterly trend analysis

9. LEGAL COMPLIANCE AND LIABILITY

1. This Manual complies with OSHA standards for cold storage facilities
2. Failure to comply with these protocols may result in disciplinary action

10. AMENDMENTS AND UPDATES

1. The Company reserves the right to modify this Manual at any time.

ACKNOWLEDGMENT

I acknowledge receipt of this Manual and agree to comply with all provisions contained herein.

Name:

Title:

Date:

Signature: _

Approved by:

Dr. Elena Frost

CEO, Polar Dynamics Robotics, Inc.

Sarah Nordstrom

COO, Polar Dynamics Robotics, Inc.

Date: January 15, 2024

