PDR-OPS-047 FACILITY WINTERIZATION INSPECTION CHECKLIST

PDR-OPS-047 FACILITY WINTERIZATION INS

Version 2.4 | Effective Date: October 1, 2023

Document Classification: Confidential - Internal Use Only

1. PURPOSE AND SCOPE

1. This document establishes mandatory inspection procedures for wi

2. This checklist applies to all PDR facilities maintaining operational te

2. FACILITY SYSTEMS INSPECTION

1. **HVAC and Temperature Control Systems**

-

[ ] Verify primary cooling system operational status

-

[ ] Test redundant cooling system functionality

-

[ ] Inspect all temperature sensors and calibration

-

[ ] Review temperature logging system data integrity

-

[ ] Check thermal barrier integrity at entry/exit points

2. **Electrical Systems**

[ ] Test emergency power generation systems

-

[ ] Verify UPS functionality for critical systems

-

[ ] Inspect electrical conduit insulation

-

[ ] Check heat trace systems on critical lines

-

[ ] Review surge protection systems

3. **Structural Elements**

-

[ ] Inspect roof integrity and insulation

-

[ ] Check wall panel seals and joints

-

[ ] Verify door seal functionality

-

[ ] Assess floor heating elements (if applicable)

-

[ ] Review thermal break integrity

3. AMR OPERATIONAL ENVIRONMENT

1. **Navigation Infrastructure**

-

[ ] Verify BlueCore(TM) beacon functionality at low temperatures

-

[ ] Test emergency positioning system accuracy

[ ] Inspect floor marking visibility and condition

-

[ ] Check ceiling-mounted guidance systems

-

[ ] Review wireless communication reliability

2. **Charging Stations**

-

[ ] Test cold-weather charging capabilities

-

[ ] Verify heating element functionality

-

[ ] Inspect contact point conditions

-

[ ] Check power delivery consistency

-

[ ] Review charging cycle logs

4. SAFETY SYSTEMS

1. **Emergency Response Equipment**

-

[ ] Test emergency stop systems

-

[ ] Verify frost-free fire suppression systems

-

[ ] Check emergency lighting functionality

-

[ ] Inspect first aid station supplies

[ ] Review emergency exit pathway clearance

2. **Environmental Monitoring**

-

[ ] Calibrate humidity sensors

-

[ ] Test gas detection systems

-

[ ] Verify ventilation monitoring

-

[ ] Check condensation control systems

-

[ ] Review environmental data logging

5. DOCUMENTATION AND REPORTING

1. The completed checklist must be:

-

Signed by authorized facility inspector

-

Reviewed by Facility Operations Manager

-

Filed with Quality Assurance Department

-

Uploaded to PDR's document management system

-

Retained for minimum of 3 years

2. Any deficiencies must be:

- - 8 -

Documented with detailed descriptions

-

Photographed where applicable

-

Assigned priority levels (1-3)

-

Scheduled for remediation

-

Tracked until resolution

6. COMPLIANCE AND VALIDATION

1. This inspection must be performed by certified PDR facility inspecto

-

PDR Cold Environment Safety Training

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BlueCore(TM) Systems Certification

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OSHA Cold Storage Safety Training

-

Annual refresher courses as required

2. Third-party validation required for:

-

Critical system modifications

-

Major repairs or upgrades

-

Annual compliance certification

Insurance requirement verification

7. CERTIFICATION

The undersigned hereby certifies that all inspections have been comp

accordance with PDR standards and applicable regulations.

Facility Inspector:

Name:

Certification #:

Date:

Operations Manager Review:

Name:

Title:

Date:

Quality Assurance Verification:

Name:

Title:

Date:

8. LEGAL DISCLAIMER

This document is confidential and proprietary to Polar Dynamics Robo

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