

DUKE POWER COMPANY
PROCEDURE PREPARATION
PROCESS RECORD(1) ID No: MP/O/B/7650/06(2) STATION: McGuire Nuclear Station(3) PROCEDURE TITLE: Slings - Safety Inspection(4) PREPARED BY: Al Sudduth A. Sudduth DATE: 6/11/76(5) REVIEWED BY: [Signature] DATE: 6/15/76Cross-Disciplinary Review By: _____ N/R: X

(6) TEMPORARY APPROVAL (IF NECESSARY):

By: _____ (SRO) Date: _____

By: _____ Date: _____

(7) APPROVED BY: [Signature] DATE: 6/15/76

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the original and is verified
correct.
Initial _____ Date _____ Time _____

INFORMATION ONLY

DUKE POWER COMPANY
McGUIRE NUCLEAR STATION
SLINGS - SAFETY INSPECTION

1.0 Purpose

The purpose of this procedure is to provide instructions for performing periodic inspections of slings.

2.0 References

2.1 29CFR 1910.184 (Occupational Safety and Health Act)

2.2 ANSI B30.9-1971

3.0 Personnel Requirements

Personnel qualified to perform periodic inspections of slings shall be designated by the Maintenance Engineer.

4.0 Safety Considerations

4.1 Equipment Clearance and Isolation

N/A

4.2 Health Physics Considerations

4.2.1 A Radiation Work Permit is required for periodic inspection of slings with surface contamination.

4.3 Special Safety Considerations

N/A

5.0 Station Status

N/A

6.0 Prerequisites

N/A

7.0 Repair Parts

N/A

8.0 Special Tools

N/A

9.0 Acceptance Requirements

9.1 Wire Rope Slings - The presence of any of the following defects requires that the sling be removed from service.

9.1.1 Ten randomly distributed broken wires in one wire rope lay or five broken wires in one strand of one rope lay.

9.1.2 Wear or scraping of one-third of the original diameter of individual outside wires.

9.1.3 Kinking, crushing, bird-caging or any other damage resulting in distortion of the rope structure.

- 9.1.4 Evidence of heat damage.
- 9.1.5 Cracked, deformed, or worn end attachments.
- 9.1.6 Corrosion of rope or end attachments
- 9.1.7 Defective hook - refer to MP/O/A/7650/08.

9.2 Synthetic Webbing Slings - The presence of any of the following defects requires that the sling be removed from service.

- 9.2.1 Acid or caustic burns
- 9.2.2 Melting or charring of any part of the surface.
- 9.2.3 Snags, punctures, tears, or cuts
- 9.2.4 Broken or worn stitches
- 9.2.5 Wear or elongation exceeding the amount recommended by the manufacturer.
- 9.2.6 Distortion of fittings

10.0 Interference Items

N/A

11.0 Procedure

- 11.1 Inspect sling in accordance with check list, Enclosure 13.1 or 13.2, as applicable.
- 11.2 Compare any defects or damage noted with acceptance criteria, Section 9.1 or 9.2, as applicable. If sling is not suitable for continued service, return it immediately to the tool issue window so that it can be properly tagged. Attach a copy of the check list to the defective sling indicating the particular defect or damage that caused it to be unsuitable for service.

12.0 Restoration

N/A

13.0 Enclosures

- 13.1 Check List for Wire Rope Sling Inspection
- 13.2 Check List for Webbing Sling Inspection

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CHECK LIST FOR WIRE ROPE SLING INSPECTION
ENCLOSURE 13.1

1. Reduction of rope diameter due to loss of core support, internal or external corrosion, or wear of outside wires.
2. Broken outside wires - note number and distribution.
3. Corroded, broken, or worn wires at end connections.
4. Corroded, cracked, bent, worn, or improperly applied end connections.
5. Severe kinking, twisting, cutting, unstranding, bird-caging, or other structural damage.
6. Heat damage

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CHECK LIST FOR WEBBING SLING INSPECTION
ENCLOSURE 13.2

1. Acid or Caustic burns
2. Melting or charring
3. Snags, punctures, tears, or cuts
4. Broken or worn stitching at end loops
5. Excessive wear, abrading, or elongation. On slings so equipped, showing through of red warning stitches.
6. Distortion of attached fittings