STUNNER MAINTENANCE

Captive Bolt Electrical Stunning Systems
IMPORTANCE

• Helps to ensure humane stunning on first attempt
• Most important piece of equipment in the plant
• Employee safety
CAPTIVE BOLT

• Clean it and maintain it daily
• Follow manufacturers recommendations
CLEANING TOOLS

- Gun cleaning solvent
  - Winchester – Remington
  - Do not use WD 40 or similar products

- Use proper cleaning tools
  - Brushes (barrel & breech)
  - Undercut cleaners
HELPFUL TOOLS

- Bench grinder with wire brush wheel
  - For polishing piston end of bolt
- Bench vise
- Welders brush
- Air line
  - For blowing excess debris out of barrel & breech
SPARE PARTS

• Maintain a critical parts inventory
• Replace worn parts
  • Buffers – recuperator sleeves – bumpers
  • Penetrating bolt
  • Firing pins and firing pin springs
  • Bolt retention components
DOCUMENTATION

- Daily log of repairs done by stunner
- Who did it?
- Test fired?
ELECTRIC STUNNING
Control Box

- Installed in clean & dry environment
- Easily accessible
  - Maintenance
  - Setting changes
- Installed on dedicated electrical circuit
- Back up system
DAILY CHECK LIST

• Daily verification of system performance
  • Verify voltage
  • Verify amperage
  • Stunner settings confirmed
    • Amperage – voltage – frequencies – stun time

• Inspect all connections
  • Is there water in the outlet or plug?
  • Loose or frayed wires?
SPARE PARTS

• Maintain a critical parts inventory
  • Control Cards
  • Display Cards
  • Transformers
  • Fuses

• Regular PM schedule
  • Replace Contactors – at least once per year
  • Replace male/female plugs – Weekly? Monthly?
  • Wiring from panel to restrainer
STUN WANDS

- Clean and maintain daily
  - Clean wand tips – volume dictates how often
  - Check wiring
  - Verify switch operation – replace if necessary

- Storage
  - Warm – dry environment
  - Drying cabinet is ideal
DOCUMENTATION

- Create daily maintenance log sheet
  - Include control unit and wands
- Make sure Stun Tracker software is operational (if available)
  - Print daily stunner log for file
TRAINING & SUPPORT

• Safety & Maintenance – refer to DVD

CONTACT INFORMATION

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