



*Motor Operated Valve Diagnostic, Repair,
Service and Training Center*

Fossil Fuel Generating Plant MX/MXA/QX Preventive Maintenance Inspection Guidelines Check Sheet

PLANT: _____
UNIT: _____
MOV ID: _____
MOV NOUN NAME: _____
ACTUATOR TYPE: _____ SIZE: _____
ORDER NUMBER: _____
SERIAL NUMBER: _____
RATED TORQUE: _____

MOTOR RPM: _____
UNIT RPM: _____
VOLTAGE: _____
L/R AMPS: _____
RUN AMPS: _____
DUTY: _____

STEP

COMPLETED

1.0 Mechanical Preventative Maintenance Guidelines

1.1 Valve Stem Lubricant

1.2 Main Gearbox Lubricant Sampling

1.3 Visual Lubricant Analysis

1.4 Limit Switch Lubricant Inspection

1.5 Thrust Base Lubricant

1.6 Actuator Lubrication

STEP

COMPLETED

2.0 Electrical Preventative Maintenance Guidelines

2.1 General Inspection

2.2 Terminal Block Inspection

2.3 Exterior Motor Inspection

3.0 Housing Integrity Inspection

3.1 Housing Inspection

3.2 Thrust Base Inspection

3.3 Yoke Inspection

3.4 Fastener Inspection

4.0 Actuator Operational Checks

4.1 Torque Settings

Open _____

Close _____

4.2 Verify Position Settings

Open _____

Close _____

4.3 View Diagnostics Routine

Hardware Status

Motor Status

Power Supply

4.4 View Operation Log

Stroke Time

Total Turns

Contactor Ops

Motor Runtime

Manual Turns

Comments / Discrepancies: VALVE POSITION & CONTROL MODE - START - ____% LOCAL / REMOTE

ESD - ON / OFF

INHIBIT - ON / OFF

OVERTORQUE - ON / OFF

TORQUE BOOST - ON / OFF

OPEN TORQUE BREAKOUT - ____%

CLOSE TORQUE BREAKOUT - ____%

HANDWHEEL OPERATION - SAT / UNSAT

CYCLE FULL TRAVEL - LOCAL CONTROL - SAT / UNSAT

CYCLE FULL TRAVEL - REMOTE CONTROL - SAT / UNSAT

VALVE POSITION & CONTROL MODE - END OF MAINTENANCE - ____% LOCAL / REMOTE

Performed By: _____

Date: _____