

PROCESS SAFETY AND LOSS PREVENTION AUDIT

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Mechanical Integrity

MANAGEMENT SYSTEMS

REFERENCES: OSHA Process Safety Management
(1910.119, Paragraph J)

- A 1. Yes ☒ No ☐ Do you have written procedures to assure on-going integrity of process equipment? (i.e., pressure vessels, EBV's, fire protection systems, etc.)

Details: Procedure are in plant library and in The Pressure Vessel Group's records.

- A 2. Yes ☒ No ☐ Do you train each employee involved in maintaining the on-going integrity of process equipment in an overview of the process and its hazards and in the procedures applicable to the employees job task to assure that the employee can perform the job in a safe manner.

Details: In Plant Training (IPT) for each operator and staff member

- A 3. Yes ☒ No ☐ Do inspection and testing procedures follow Dow site or Division guidelines?

Plans: No Plans

- A 4. Yes ☒ No ☐ Do the frequency of inspections and tests of process equipment meet accepted Dow site or Division guidelines?

Details: Inspections and Tests are performed by a centralized group in the division that function according to site guidelines.

- A 5. Yes ☒ No ☐ Are all inspections and tests documented as per Dow guidelines?

Details: Pressure Vessel Group documents and the plant receives copies.

- A 6. Yes ☒ No ☐ Are deficiencies discovered from tests and inspections corrected before further use or in a safe and timely manner when necessary means are taken to assure safe operations.

Details: Deficiencies are noted and relayed to plant to correct at the earliest possible time.

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- A 7. Yes ☒ No ☐ In the construction of new plants and equipment, is equipment fabricated according to Dow site or Division standards and suitable for the process application for which they will be used?

Details: Plant Piping and Material specs are followed

- A 8. Yes ☒ No ☐ Are appropriate checks and inspections performed to assure that equipment is installed properly and consistently with design specifications and manufacturers instructions?

Plans: Management Of Change Program has been implemented

- B 9. How do you assure that maintenance materials, spare parts and equipment are suitable for the process application for which they are being used?

Details: Some parts are color coded and titanium part are stored in a locked storage area to ensure they are not accidentally put in dry chlorine service.

- B 10. How do you ensure the proper materials of construction are used in maintenance and new projects?

Plans: Plant Piping and Material specs and MOC program

- B 11. Yes ☒ No ☐ Do you have a list of the proper gaskets for each part of your process? (LPP 6.6)

Plans: _____

Yes ☒ No ☐ Is gasketing covered in your piping specification?

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