**WORK INSTRUCTIONS FOR CLEANING OF COAL INJECTION LINE FILTER**

**Criteria: Safe working practices**

**Responsibility: Shift In-charge**

**Identified Hazards:**

1. Dust inhalation
2. Leakage of coal dust with pressure while opening flanges
3. Human Behavior- Nonuse of PPE & WI
4. Fall of person
5. Inadequate local lightning
6. Improper communication

**Procedure:**

1. Unauthorized operation or repair of any equipment is a punishable offence.
2. PCI shift in-charge should ensure all the field operators wearing safety PPEs namely Helmet, safety shoes, safety Goggles, Dust mask, ear plug, hand gloves etc.
3. Operator should maintain proper communication with the PCI shift engineer while operating the injection line filter valves. This is to avoid isolating of injection line filter while is in line.
4. Stop coal injection and both carry line open for 2-3 min and compressors are running and then isolate the Filter by closing inlet and outlet manual valves.
5. Loose the filter flange slightly and check for any Coal/Pressure leakage.
6. After ensuring that pressure is relieved from the filter, open the Flange completely.
7. Take out the filter disc and clean it thoroughly.
8. Check for any foreign materials inside the filter chamber and clear it.
9. Place the filter disc inside the chamber and close the flange tightly.
10. Open the Filter inlet valve and check for any leakages by keeping outlet manual valve in close position.
11. Close the filter inlet valve and arrest the leakages, if found any.
12. Isolate the filter and keep it ready.
13. Clear the spillages (coal/ scrap) from the platform after completing the activity.

Dos and Don’ts:

1. Do not open the inlet valve or outlet of the filter which is under cleaning. If required remove the inlet and outlet valve handles after isolating the filter for cleaning purpose.
2. Do not isolate both the filters at the same time. If choking is observed in both the filters, first isolate one filter and clear the choke as said above and take it in line, then isolate the second filter and clear it and keep it ready as stand by.

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| **Date: 15.07.2022** | **Date: 15.07.2022** | **Date: 15.07.2022** |

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