**WORK INSTRUCTIONS FOR SHIFTING HYDROUS CLAY**

**Criteria:** Safe Handling of equipment, safe work practices.

**Responsibility**: PCM Incharge

**Identified Hazards**:

1. Wheel loader brake failure

2. Bucket cylinder failure

3. Poor coordination between the operator and helper

4. Entanglement

5. Trapping between bucket and the structure

6. Movement of wheel loader in reverse direction during unloading

7. Fall of person.

8. Hitting of crane

9. Contact with flying particle

**Procedure:**

1. Unauthorized operation or repair of any equipment is a punishable offence
2. Persons involved in this activity should wear safety shoe, helmet, hand gloves, safety spectacle.
3. Ensure wheel loader is parked and all movement is stopped and brake is engaged at loading point.
4. Ensure stopper block is put in front of the rear tyre to avoid forward movement.
5. Inform the wheel loader operator about loading of hydrous clay into bucket.
6. While unloading clay at PCM1, 3 PCM Incharge should ensure that cast is closed, pouring of that particular PCM is to be stopped.
7. Before removing barricade chain PCM in charge should inform crane operator about wheel loader entry in crane bay.
8. Required quantity of hydrous clay is to be taken for particular PCM with the help of hand shovel, put the barricade chain after removing wheel loader. This activity should be supervised by PCM in charge/Bag House in charge.
9. Workmen should not enter Wheel loader bucket.
10. While unloading clay in BF2 EL area, PCM Incharge should check the status of BF2 cast, cast should be closed condition, to avoid accidental metal/slag flow in EL. In case the EL is loaded with metal/slag, clay can take from carne bay side provided cast is closed and by stopping pouring.
11. If clay is taken from PCM 2 discharge end side, pig cooling and pouring to be stopped, pathway to be cleared of hot pigs.

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| **Prepared By:**  Head – Production PID I | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Pig Iron Division |
| **Signature:** | **Signature:** | **Signature:** |
| **Date: 15.07.2022** | **Date: 15.07.2022** | **Date: 15.07.2022** |

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