

Case 6 : Worker's hand got caught in between water pipe and backhoe bucket

While working with a backhoe, a worker who had evacuated in the excavation area got their foot caught in a muddy area, grabbed the pipe mouth, and his hand got caught in between the backhoe bucket and the pipe mouth.

Cause

- There was no communication among construction machinery guide, operator and worker to check safety.
- Worker's evacuation area was narrow.
- Work floor was not stable.

Result

- Fractured right index finger, middle finger and ring finger

Action

- Worker put their hand on the pipe mouth after the guide signaled that it was safe to excavate.

Lesson

- ① Construction machinery guide must check the position of workers when giving signals.
- ② Keep an evacuation area of 1.5 m or more in the excavation area. If impossible, evacuate to the ground.
- ③ When the ground is muddy, sprinkle recycled sand to secure a foothold.

