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

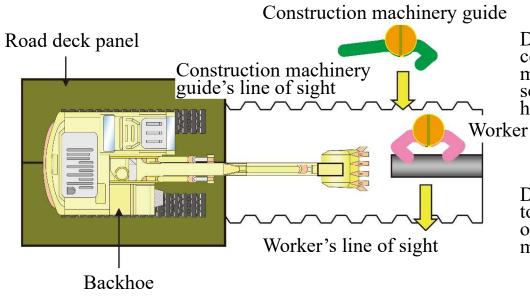
 Fractured right index finger, middle finger and ring finger

Action

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

Lesson

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



Difficult for the construction machinery guide to see worker's hand



Difficult for worker to see the signals of the construction machinery guide.



Fracture

Foot got stuck in mud