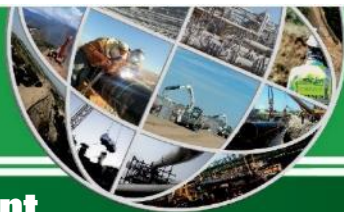


LESSON LEARNT



PREPARED BY: Corporate QHSE Dept.

N° 10/2020 Date: October 2020

OBJECT PIPE CUTTING

Pipe cutting is one of the most hazardous process during Oil & Gas construction activities.

This year several accidents and near misses occurred during pipe cutting activities.

OPERATIVE INSTRUCTIONS

The item to be cut shall be positioned securely with adequate clearance from the ground to ensure cutting, re-bevelling and NDT activities can be properly carried out.

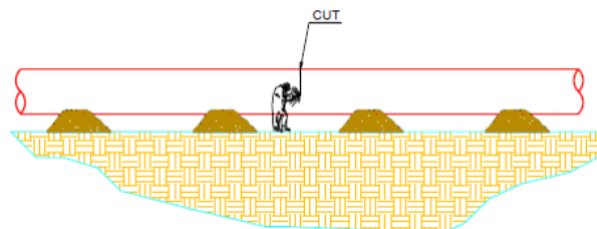
The piece to be cut shall be supported adequately (by means of timber skid, cradle of soil, heavy machines) in order to always guarantee its stability and the stability of the cut piece after the completion of operation against falling.

One of the procedures as per pictures beside shall be adopted to support the piece to be cut:

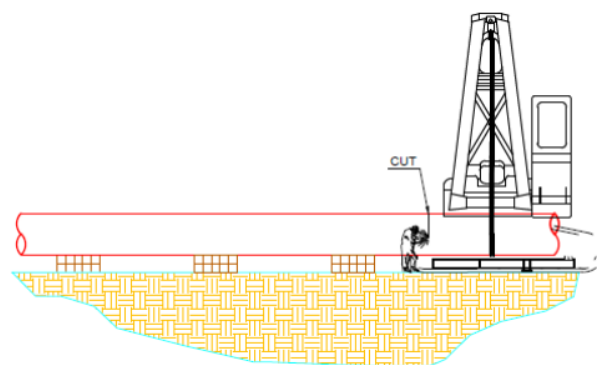
1. In case the cut piece is secured against falling using a hoisting equipment, the equipment must be centred to avoid the tipping of the piece after cutting (Picture 2).
2. In case the lifting sling cannot guarantee the stability of the cut piece because of its reduced length a clamp or a hole shall be done to allow the use of a lifting hook to hold the piece (Picture 3).

Following the main safety measures that must be implemented during pipe cutting activities:

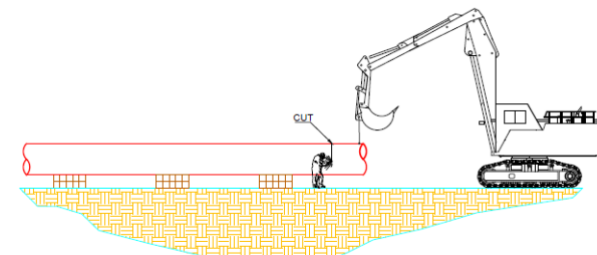
- Only experienced operatives to perform cutting of pipe;
- Pipe shall be secured prior starting operation (Pipe tension release, 2 side of the pipe attached and control by lifting equipment's);
- Put the cut end pipe in safe place and secured it after the operation;
- Machines positioned in safe place and at safe distance from the edge of the excavation;
- DO not stay/pass between pipes unless anchored and it's strictly forbidden to pass under / to enter inside the pipe;
- Keep out of the line of fire at all time - as much as possible semi-automated gas cutters should be used, to limit exposure of personnel to the line of fire created between the pipe and heavy machine;
- Area around works to be kept clear of combustibles and other substances;
- All pressurized gas cylinders must:
 - be stored, transported and handled according to the procedure and risk assessment (Secured and vertical).
 - have the protection cap when handled, stored or transported;
 - be equipped with flash back arrestors on all flammable gas cylinder hoses;
 - be kept at a safe distance from any ignition source (ex. gas torch nozzle) in their designated racks;



Picture 1



Picture 2



Picture 3

RECEPTION BY THE PROJECT

WHICH ACTIONS IDENTIFIED TO BE IMPLEMENTED IN THE PROJECT:

Project Manager:

Signature:

HSE Project Manager:

Signature: