CHEMISTRY THAT MATTERS™

TRANS-PENNINE ETHYLENE PIPELINE

HIGH POTENTIAL INCIDENT 27TH JUNE 2022

Geoff Glover and Thomas Hawkesworth

PIPELINE INFRINGEMENT

During a routine aerial patrol the observer noted a drilling rig set up in the pipeline easement

Pipeline office receive a call from the observer

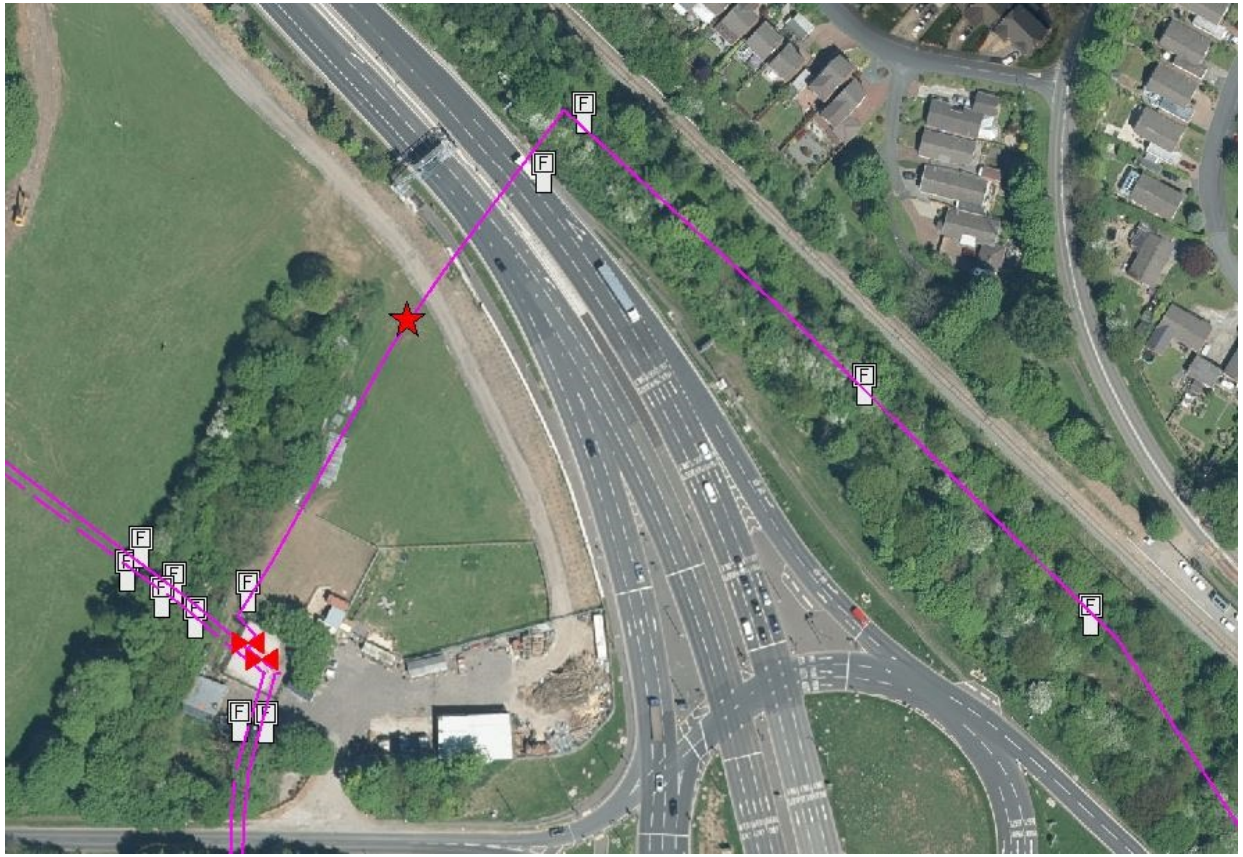
Pipeline superintendent immediately dispatched to the scene

On arrival at site the drilling rig was in operation, the operator was informed to shut it down

The drill bit at this time was 4.5 metres deep and 1.8 metres to the west of the pipeline

At this location the ethylene pipeline is 1.4 metres deep

MAP VIEW



AERIAL PHOTOGRAPH

INCIDENT DETAIL – INFRINGEMENT CATEGORISATION – B1

Linesearch enquiry made by enquirer 60 days before work started

SABIC letter sent requesting site location drawing for drilling, method statements and site contact

Enquirer was Informed that SABIC would attend site, mark pipeline route and advise, before issuing a permit to work to allow work to commence.

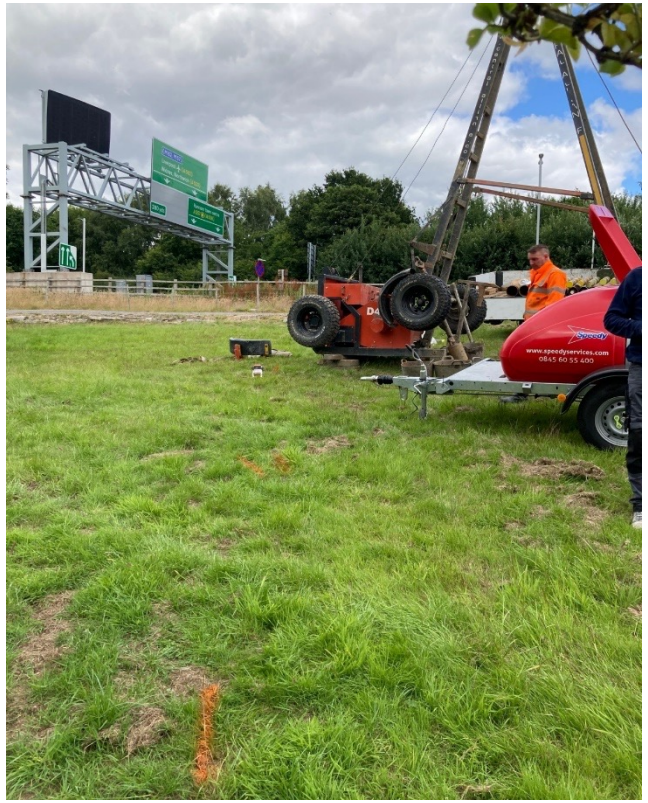
No response by enquirer to the Linesearch enquiry/SABIC letter

On site discussion revealed the engineer had marked the location of drills incorrectly to their drawings.
Their drawing showed the drill 14 metres from the pipeline.
The engineer was not on site when the work started.

INCIDENT DETAIL – INFRINGEMENT CATEGORISATION – B1

Enquirer subcontractor crew had no drawings, method statements or risk assessments

Drilling crew working to twig and spray marking carried out by the engineer



IMMEDIATE ACTIONS

Contact land owner and Project Manager

On site discussion to allow work to continue safely outside the pipeline easement

Ensure all pipeline markers are visible

Pipeline pegged, permit issued with SABIC supervision

Site meeting with all contractors to carry out investigation and provide pipeline presentations to-:

- Project Company – HSE manager
- Enquirer
- Enquirer subcontractor

RECOMMENDATIONS AND ACTIONS FROM RCA – ROOT CAUSE ANALYSIS

Human factors assessment of response letter/email to enquirers to ensure engagement

Can LSBUD send out reminder when the enquiry goes beyond 28 days

Operator to follow up enquiry after 28 days with chaser emails

Use “read receipt” option for all emails to enquirer

Consider “threat Scan system” to detect work near the pipeline – used in the Netherlands

Consider Face plates on marker posts for those that cannot read English?

QR codes on face plates – link to SABIC webpage

RECOMMENDATIONS AND ACTIONS FROM RCA – ROOT CAUSE ANALYSIS

Temporary marker pegs or posts

- Review types used for different types of work
- Peg tracker when/where/number installed and removed when work complete
- Capture number of pegs used on permit to work book

Review use of conditions and restrictions document – control of use

Review existing pipeline procedures

Produce a safety share for UKOPA/Linewatch

سابك
sabic
THAT MATTERS
THANK YOU