People Plant Interface Webinar

Rob Lynch

8th July 2025

SUPPLY CHAIN SAFETY LEADERSHIP GROUP

national highways

LYNCH

SAFETY MOMENT

ABOUT ME

WHY PPI IS IMPORTANT

Dear Colleague,

I regret to inform you that a tragic fatal accident occurred on 10th October 2016 involving a 6 tonne forward tipping dumper striking a fellow worker at the M1 Junction 19-16 Smart Motorway contract.

nage credit: HSE

obert Harvey was operating the machine when Nicholas Hall was pinned against a wall by the excavator bucket, causing fatal injuries.

he court heard Harvey's company, Front Row Builders, was building a vehicle wash bay for Peter Lawless Road Planing at an industrial estate Blantyre, South Lanarkshire, on 7 May 2016.

arvey was using the digger to lower cement and blocks into the excavation pit for the three men working there, including Hall, to use in uilding a wall. He tipped the bucket to empty the mortar contents and shouted to Hall to "scrape the rest out with a shovel".

all was pinned against the wall by the excavator bucket and died of blunt force injuries to his chest and abdomen.

Worker Crushed to Death by Excavator

On 18th November 2019, James Rourke (22), lost his life after being struck and run over by an excavator whist employed by [redacted] Ltd. The 22-year-old Site Engineer had recently graduated from the University of Birmingham and joined the business just months before the accident.

HACS Construction Limited was fined £330,500 after a worker was struck on the head and killed by a 16-ton excavator.

The fatal accident happened on 13 January 2021, when Dean Myers, a 56-year-old employee of the company, was undertaking groundwork activities in a partially excavated trench at a site in Ripon, North Yorkshire.

▲ The construction site in Ripon, North Yorkshire (Image: HSE)

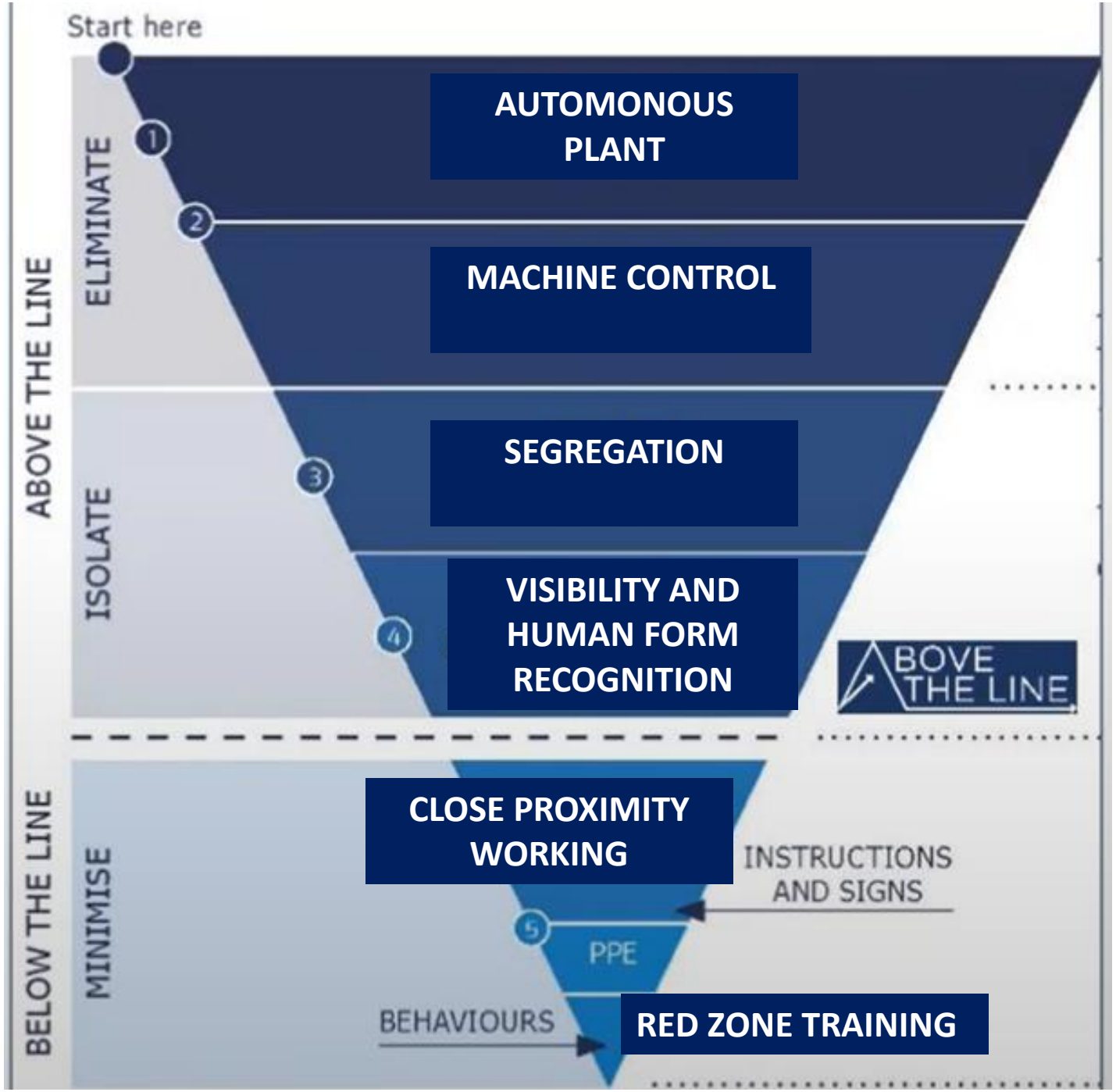
Fatal Injury on a Major Contractor's Site – Plant Interface

Outline of Incident
A working supervisor has recently received fatal injuries following an accident on a major contractor's site.

The incident involved a 14t wheeled excavator that had been refuelling from a static bunded "fuel" tank.

It is believed that the plant operator, having completed refuelling, slewed the cab 180 degrees to drive back to his workplace and the supervisor was trapped between the counterweight at the back of the machine and the fuel tank.

LYNCH


Start here
ABOVE THE LINE
ELIMINATE
ISOLATE
1
2
3
4
AUTOMONOUS PLANT
MACHINE CONTROL
SEGREGATION
VISIBILITY AND HUMAN FORM RECOGNITION
ABOVE THE LINE
BELOW THE LINE
MINIMISE
CLOSE PROXIMITY WORKING
INSTRUCTIONS AND SIGNS
5
PPE
BEHAVIOURS
RED ZONE TRAINING

Plant Pedestrian Interface – July 2025 Update

What has been done?

- Two meetings completed
- Established scope of group
- Site visit to A428 Project
- Reviewed existing Raising the Bar document RtB3

What is coming up?

- New best practice PPI document
- Rewrite of RtB3
- Training guidance document for Red Zone Training
- (plus Human Form Recognition awareness)

Select
Select

5m
FPS
3m
3m
8m

RED ZONE TRAINING
2:01 / 2:04

OBSERVATIONS EQUALS BEHAVIOURS

ObjectID	Date & Time	Type	Intervention Title	w3w	Description	Action Taken by Raiser	Company Raiser	Feedback	Action Taken-Reviewer	East / West
~~10997~~	~~5/28/2025 7:11:00 AM~~	~~Hazard~~	~~ppi~~		~~ST19 Wind caught door of dumper and cracked glass~~	~~flang Dan - he has window replacement company coming 2moro~~	~~mick_obrien~~		~~Thank you for raising this and ensuring that Dan was called to get a replacement.~~	~~East~~
11012	5/28/2025 9:49:00 AM	Positive	ppi		Tidied up our bucket area fencing where wind blew em down	Tried weighting them down but will just have to keep picking them up till wind dies down	mick_obrien		Thank you for intervening to ensure that the bucket changing area is maintained.	East
11029	5/28/2025 1:47:00 PM	Hazard	ppi		No allocated parking spaces for trailers leading to vehicles blocking routes when hitching/unhitching	PIC completed	CTS			West
11036	5/28/2025 3:03:00 PM	Hazard	ppi	schooling.stopped.brief	Pedestrian walkway hoop was fixed the wrong way round	Swapped it round to the correct	Skanska		Thank you for intervening to ensure that the walkway loop was the correct way around.	West
11072	5/30/2025 7:58:00 AM	Positive	ppi	corn.egging.lawns	Exclusion zone installed around excavator trimming piles at Pier 4. Black Hat stop operation to allow excavation inspection	N/a	Skanska		thank you for the positive report.	West
~~11114~~	~~06/03/2025 09:39~~	~~Hazard~~	~~ppi~~		~~Gas main crossing to west of ST10. LTH 1068 offloaded on the west side of the gas main crossing and needs to track over. Signage in place limiting to 15t plant.~~	~~Sean Chapman contacted. Signage now superseded with mats in place and to be replaced. Evidence for gas main cover to be sent to TWC prior to crane tracking.~~	~~Skanska~~		~~Thank you for reporting.~~	~~West~~
11136	06/04/2025 07:29	Positive	ppi		Good plant interface between crane and operatives	None	kelly_formwork		Thank you for raising this good practice in regards to People plant interface.	West
11169	06/04/2025 10:55	Hazard	ppi		Driving towards ST13 there appears to be recent work of the embankment that has causes boulders of clay to roll down onto the logistics track.		Skanska		The haul road was also cleared this morning	East
11181	06/04/2025 14:09	Positive	ppi		Skyland, good use of segregation from operatives and plant.	Good practice	Skanska		Thank you for the positive feedback	West
~~11197~~	~~06/05/2025 06:47~~	~~Hazard~~	~~ppi~~		~~Slow puncture on 6ton at st30~~	~~Dan said park it up and he has rang our fitter~~	~~mick_obrien~~		~~Thank you for raising this to the relevant person for actioning and ensuring that the item of plant was safely stopped.~~	~~East~~
11203	06/05/2025 08:00	Positive	ppi		Good segregation between crane and operatives		kelly_formwork		Thank you for raising this good practice in regards to segregation between people and plant.	East
11207	06/05/2025 08:29	Positive	ppi		Good segregation between crane and work area		kelly_formwork		Thank you for raising this good practice in regards to works segregation.	East
11216	06/04/2025 14:24	Hazard	ppi		Due to the slow maximum speed of my Telehandler, drivers take unnecessary risks to overtake me. On my way back from st40 to the main site on the 428, one driver had 2 very near head on collisions. Oncoming traffic reacted to avoid this vehicle.		flannery			East
11220	06/05/2025 10:10	Positive	ppi		Barriers around buckets	Dan to get signs	mick_obrien			East
11226	06/05/2025 11:36	Positive	ppi		Bucket storage area straightened up after high winds at st24		mick_obrien		Thank you for the positive report.	East
11257	06/06/2025 06:07	Hazard	ppi		13 tonne rollers have not emergency stop.buttons on the outside of machine because if you put the machine into drive & you have a heart attack or similar there's not way anyone can stop the machine		phi_group	Fit emergency stop.buttons		West
11288	06/06/2025 11:30	Hazard	ppi		Tarmac operatives operating within the roller exclusion zone. Tarmac roller driver was compacting within close proximity of hand lay crew.	Informed Tarmac Foreman and challenged roller driver	Skanska		Thank you for intervening to ensure that tarmac operatives do not work within the roller exclusion zones and for informing the Tarmac foreman of the event.	East
11363	06/10/2025 06:06	Positive	ppi		We have a closure on the bridge but pedestrians can still cross..... Good communication to stand down for me being a plant operator when walking pedestrians through the site of works.		flannery		thank you for the positive feedback	West
11400	06/10/2025 09:04	Hazard	ppi	ember.essays.machine	Bucket outside of bucket change area at the edge of batter		Skanska			East
11406	06/10/2025 09:12	Hazard	ppi		Flannery excavator flashing light not working		Skanska			East
11410	06/10/2025 09:15	Positive	ppi	inviting.emulating.garden	Setting out needed under ST38 - checked in with Walters black hat really helpful and shut down the ADT lanes when access was needed. Fully briefed on site risks and generally very helpful.	PI raised	Skanska		thank you for the positive report.	East
11415	06/10/2025 09:31	Hazard	ppi		No signage to indicate Walters haul route passing through site access, no speed limit signage also	PI submitted	Skanska			East
11455	06/10/2025 10:42	Positive	ppi		Valid plant inspection ticket on Walters plant	N/a	Skanska		Thank you for raising this good practice in regards to plant inspections.	East
~~11465~~	~~06/10/2025 11:26~~	~~Hazard~~	~~ppi~~		~~Cracks on rear window of dumper 439~~	~~Fitter called to book in replacement or repair~~	~~mick_obrien~~		~~thank you for reporting.~~	~~East~~
11480	06/10/2025 07:50	Hazard	ppi		PJ Davidson rig parked at A421 WB on slip. Rig cables suspended on very old strap. Plant doesn't look like well	Reported to Alan Doran	Skanska		Valdas will look at this	West

HUMAN FORM RECOGNITION
SAFETYSHIELD

BEST PRACTICE CHECKPOINTS

- How people get around site? Is plant present? Is it segregated/managed?
- How do you access Red Zone training?
- What are your Plant Operators saying about PPI?
- Are there specific arrangements for close proximity working?
- Is your site using Human Form Recognition on plant?

Q&A