SITE survey. APP

SITE SURVEY REPORT

DSEAR Assessment Record

Prepared for	Nene Coachworks Ltd
Date	9 Oct 2026
Site	Unit 4, Meadow Lane Trading Estate, Kettering
Prepared by	A. Lindqvist

FORM

DSEAR Assessment Record

1. Record details and scope

Project	Unit 4, Meadow Lane Trading Estate, Kettering: spray booth and solvent store
Site or premises address	Unit 4, Meadow Lane Trading Estate, Kettering
Client or organisation	Nene Coachworks Ltd
Record date	9 Oct 2026
Person completing the record	A. Lindqvist, health and safety adviser

This records a competent assessment. It does not calculate hazardous zones, select explosion-protected equipment or replace a specialist hazardous-area classification or verification.

2. Scope and competence

Process, premises and activities covered	Vehicle body repair workshop. Covers the solvent based paint spray booth, the paint mixing room and the external flammable liquids store. Body shop welding bays are outside the scope but noted as an ignition source nearby.
Assessor competence and specialist input	A. Lindqvist, CMIOSH, with hazardous area input from Rowan Process Safety (report reference below)
Scope, assumptions and assessment limitations	No sampling of solvent levels was done. Assessment uses the safety data sheets and the booth maker's information. The underfloor extract duct was not opened.
Process drawings and area plans	Site plan SP-NC-01 rev C, booth layout drawing from the installer, mixing room plan MR-02

3. Substances and scenarios

Substance or scenario 1: Propane for the workshop space heater, 2 x 47 kg cylinders in an external cage

Substance, quantity and storage/use location	Propane for the workshop space heater, 2 x 47 kg cylinders in an external cage
Type of dangerous substance	Flammable gas or LPG
Largest quantity stored or in use (litres or kg)	94

Store, tank or cage position	Propane cylinder cage, rear yard · 52.396510, -0.716020 (SP 87462 78385, ±4 m)
Current safety data sheet reference	Propane SDS from the gas supplier, NC-SDS-2026 item 21
Relevant dangerous properties and evidence	Extremely flammable gas, heavier than air, can collect in drains and pits.
Normal and foreseeable abnormal release scenarios	Normal: none. Abnormal: leak at a cylinder valve or regulator, damaged hose, cylinder knocked over.
Ignition sources and affected people	Vehicles in the yard, the smoking shelter, an open drain gully 3 m from the cage. Yard staff and delivery drivers.
Elimination, substitution, prevention and mitigation measures	Cylinders upright and chained in a ventilated mesh cage, locked. Fixed hose to the heater checked every month. Warning signs on the cage.
With these controls, how likely is a fire or explosion?	1 Unlikely
How serious would it be?	3 Major injury, deaths or major damage
Remaining risk score (1 to 9)	3
Remaining risk	Medium: improve the controls
Remaining gaps and specialist work needed	Drain gully near the cage. Fit a sealed cover or move the cage, per the supplier's advice.

Photos of the store, area or controls



Substance or scenario 2: Waste solvent and paint rags, 205 litre drum and metal bin in the external store

Substance, quantity and storage/use location	Waste solvent and paint rags, 205 litre drum and metal bin in the external store
Type of dangerous substance	Flammable liquid

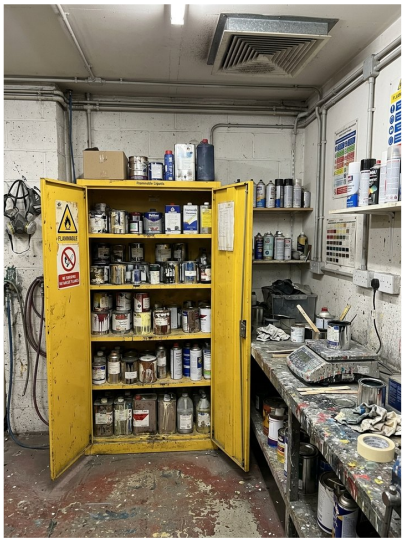
Largest quantity stored or in use (litres or kg)	205
Current safety data sheet reference	Waste thinners SDS, NC-SDS-2026 item 14
Relevant dangerous properties and evidence	Flammable vapour. Oily rags can heat up if left in a pile.
Flash point from the safety data sheet (°C)	-4
Highest temperature in storage or use (°C)	20
Flash point against that temperature	At or above its flash point: flammable vapour can form in normal use
Normal and foreseeable abnormal release scenarios	Vapour when the drum is opened. Overfilled drum. Rags left on benches.
Ignition sources and affected people	Smoking area near the store gate, vehicles parking near the store.
Elimination, substitution, prevention and mitigation measures	Drum kept closed with a flame arrester funnel. Rags in a lidded metal bin, emptied daily into the store. Smoking area moved away from the store.
With these controls, how likely is a fire or explosion?	1 Unlikely
How serious would it be?	2 Serious injury
Remaining risk score (1 to 9)	2
Remaining risk	Low: keep the controls in place
Remaining gaps and specialist work needed	Smoking shelter still within sight of the store gate. Move further away.

Substance or scenario 3: Solvent based basecoat and thinners, up to 60 litres in the mixing room, up to 400 litres in the external store

Substance, quantity and storage/use location	Solvent based basecoat and thinners, up to 60 litres in the mixing room, up to 400 litres in the external store
Type of dangerous substance	Flammable liquid
Largest quantity stored or in use (litres or kg)	400
Store, tank or cage position	External flammable liquids store · 52.396420, -0.715880 (SP 87472 78375, ±5 m)
Current safety data sheet reference	SDS file NC-SDS-2026, checked against supplier list on 10 September 2026
Relevant dangerous properties and evidence	Highly flammable liquids and vapours, vapour heavier than air. Flash points below normal room temperature on the SDS.
Flash point from the safety data sheet (°C)	-4

Highest temperature in storage or use (°C)	25
Flash point against that temperature	At or above its flash point: flammable vapour can form in normal use
Normal and foreseeable abnormal release scenarios	Normal: vapour while mixing and spraying. Abnormal: spilt tin in the mixing room, leak in the store, extract fan failure while spraying.
Ignition sources and affected people	Electrical equipment in the mixing room, static from pouring, hot work in the welding bays 12 m away. Painters, other workshop staff and visitors to the reception.
Elimination, substitution, prevention and mitigation measures	Mixing room on its own extract, lids kept on, small containers only, bonded pouring. Booth interlocked so spray guns cannot run without the extract. Spill kit in the mixing room. No hot work within the welding bay screens while the booth door is open.
With these controls, how likely is a fire or explosion?	2 Possible
How serious would it be?	3 Major injury, deaths or major damage
Remaining risk score (1 to 9)	6
Remaining risk	High: improve the controls as a priority
Remaining gaps and specialist work needed	Mixing room light fitting is not marked for a hazardous area. Specialist check needed.

Photos of the store, area or controls



Substances or scenarios	3
High remaining risk	1
Medium	1
Liquids at or above their flash point	2
With gaps or specialist work recorded	3

High remaining risk or open gaps. Record what will be done, by whom and by when in the actions, and get specialist input where the gap needs it, for example hazardous area classification.

4. Specialist decisions

Hazardous-area classification reference, author and revision	Hazardous area classification HAC-NC-01 rev 1, Rowan Process Safety, August 2026
Equipment suitability and verification references	Booth equipment check by the installer, report BI-0826. Mixing room equipment check booked with Rowan Process Safety.
Operating, maintenance and emergency procedures	Mixing room procedure MP-04, booth start-up and shut-down procedure BP-02, spill procedure SP-01. Emergency plan updated for a store fire.
Information and training arrangements	Painters briefed on the findings on 10 October. New starters get the DSEAR briefing in induction. Warning signs on the mixing room and store doors.

5. Review

Changes that require review and how they are controlled	New products, more stock in the store, changes to the booth or extract, or new work near the store. Any change goes through the workshop manager before it starts.
Planned review date	9 Oct 2027
Reason for review timing and responsible person	Yearly, or sooner after a change or an incident. Workshop manager, M. Doyle, is responsible.

6. Actions and review

Are further actions required?	Yes

Further action 1: Specialist check of the mixing room light fitting and replace if not suitable.

Action and evidence reference	Specialist check of the mixing room light fitting and replace if not suitable.
Person responsible	Rowan Process Safety, quote RPS-2291
Target date	15 Oct 2026
Action status	Open

Further action 2: Move the smoking shelter to the far side of the car park.

Action and evidence reference	Move the smoking shelter to the far side of the car park.
Person responsible	M. Doyle, workshop manager
Target date	10 Oct 2026
Action status	In progress

Further action 3: Seal the drain gully next to the propane cage, or move the cage, as the gas supplier advises.

Action and evidence reference	Seal the drain gully next to the propane cage, or move the cage, as the gas supplier advises.
Person responsible	M. Doyle, workshop manager
Target date	30 Oct 2026
Action status	Open
Open actions	3
Outstanding limitations and information to pass on	Underfloor booth extract duct not inspected. Mixing room light fitting suitability not yet confirmed.
Record status	Further work needed
Reviewed by	M. Doyle, workshop manager
Date reviewed	12 Oct 2026
Author signature	A. Lindqvist

Signing records the information entered. It does not itself certify legal compliance, remove a limitation or authorise unsafe work.