

Mirvac Real Estate Pty Ltd

Confined Spaces Assessment

36 Gow Street, Padstow, NSW

2 September 2024

Project Ref: 754-SYDEN364426-36 Gow St Confined Space Report Aug 2024



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CONFINED SPACES ASSESSMENT

Prepared for Mirvac Real Estate Pty Ltd

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EXECUTIVE SUMMARY

Tetra Tech Coffey Pty Ltd (Tetra Tech) was commissioned by Mirvac Real Estate Pty Ltd (the client) to conduct a confined spaces assessment at 36 Gow Street, Padstow NSW 2567 (the site). Ben McCann of Tetra Tech carried out the assessment on 15th August 2024. For the purpose of this assessment, the principal definition of a confined space is that described in the *Work Health and Safety Regulation 2017 (NSW)*.

Identified confined spaces were not entered by personnel at the time of the assessment, therefore the risk assessments contained in this report are limited to general observations made. A more detailed task specific risk assessment is required prior to entering any confined spaces identified in this report.

Assessment Findings

The following findings are based on the site inspection, discussions with site personnel, and review of relevant documentation:

- A total of 38 confined spaces were identified at the site.
- 8 of the confined spaces were appropriately signposted. The remaining 30 spaces were either not signposted or the signpost was faded and no longer clearly visible. Refer to the confined space register for specific details.
- All of the inspected confined spaces appeared to be appropriately secured from unauthorised access or within secure areas at the time of the assessment.
- The Mirvac Confined Space Entry Permit was made available for review. This included a requirement for the isolation of plant and services associated with confined spaces prior to any entry occurring.

Note: Refer to **Appendix A** for the confined space register and **Appendix C** for photographs.

Recommended Actions

The following actions are recommended, based on the above findings:

- Ensure a task specific risk assessment is conducted within each confined space prior to commencing any works.
- Install appropriate confined space signage on all 30 confined spaces identified in the confined space
 register as having faded signage or not having any signage at all. Ensure the signage complies with
 AS 2865:2009 Confined Spaces, Section 3.2.2. Refer to Appendix D for examples of confined space
 safety signage.
- Ensure all staff and contractors working within areas containing confined spaces at the site are provided with appropriate information, instruction, and training to ensure they are able to work safely in these areas. It is recommended that this be managed within the site induction.
- Although it was not possible to access the spaces at the time of the inspection, they have been
 deemed to be a confined space (in order to take a precautionary approach) and should continue to
 be treated as such until confirmed as otherwise.
- Avoid entering the confined spaces if possible e.g. conduct cleaning/maintenance activities from outside etc.
- Ensure that the person responsible for the confined space work issues an entry permit prior to any persons entering the confined space.
- Ensure task specific emergency rescue procedures and equipment are available and readily accessible during any confined space work.
- All works and access in relation to confined spaces must be undertaken in accordance with the Work
 Health and Safety Regulation 2017 (NSW), the Code of Practice: Confined Spaces (SafeWork NSW,
 2019) and AS 2865:2009 Confined Spaces.
- Tetra Tech is able to assist the client to implement the above recommended actions.

1. INTRODUCTION

Tetra Tech Coffey Pty Ltd (Tetra Tech) was commissioned by Mirvac Real Estate Pty Ltd (the client) to conduct a confined spaces assessment at 36 Gow Street, Padstow NSW 2567 (the site). Ben McCann of Tetra Tech carried out the assessment on 15th August 2024. For the purpose of this assessment, the principal definition of a confined space is that described in the *Work Health and Safety Regulation 2017 (NSW)*.

Identified confined spaces were not entered by personnel at the time of the assessment, therefore the risk assessments contained in this report are limited to general observations made. A more detailed task specific risk assessment is required prior to entering any confined spaces identified in this report.

1.1 Site Description

The site consisted of a large warehouse building and associated 2 storey office area (approximate area of 45,000m²). The office was occupied at the time of the assessment.

2. SCOPE

The objective of the Confined Spaces Assessment was to identify and assess confined spaces at the site, and manage the associated risks to the health and safety of site occupants (including workers, students, visitors and contractors). The assessment included a physical inspection of accessible areas of the site, as well as discussions with relevant site personnel, and a review of relevant systems/documentation.

2.1 Inaccessible Areas

The following areas were not accessible during the inspection:

- Within confined spaces, voids and ceiling spaces.
- Within plant and machinery.
- · Lift shafts and pits.
- Below parked cars and trucks, and stored items concealing sections of the floor.
- South, east and north sides of Block B.
- Areas outside the fence boundary for the buildings.
- Areas that were unsafe to walk to due to vehicle/plant activity.
- · Occupied rooms and tenanted areas.
- Roof areas.

3. WHAT IS A CONFINED SPACE?

The Work Health & Safety Regulation 2017 (NSW) defines a confined space as an enclosed or partially enclosed space that:

- a) is not designed or intended primarily to be occupied by a person; and
- b) is, or is designed or intended to be, at normal atmospheric pressure while any person is in the space, and
- c) is or is likely to be a risk to health and safety from:
 - i. an atmosphere that does not have a safe oxygen level; or

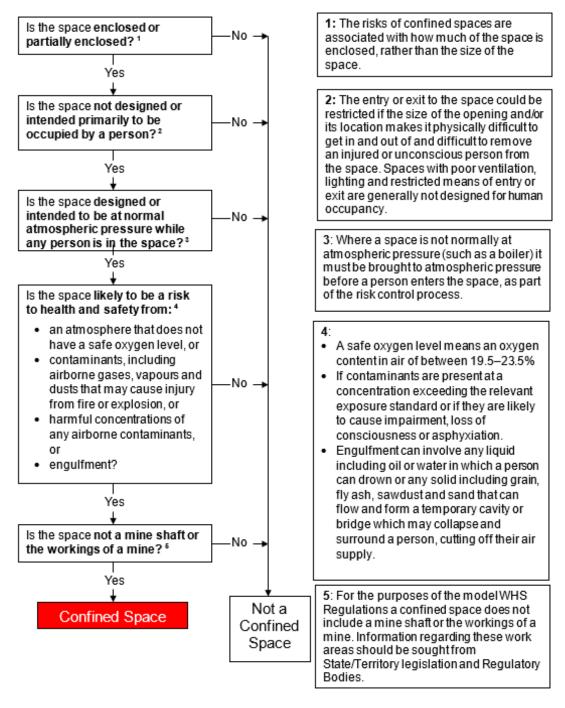
- ii. contaminants, including airborne gases, vapours and dusts, that may cause injury from fire or explosion, or
- iii. harmful concentrations of any airborne contaminants, or
- iv. engulfment.

Note: The above definition does not include a mine shaft or the workings of a mine.

Section 66 (1) of the *Work Health and Safety Regulations 2017 (NSW)* states that 'a PCBU must manage risks to health and safety associated with a confined space at a workplace including risks associated with entering, working in, on or in the vicinity of the confined space (including a risk of a person inadvertently entering the confined space'.

Section 62 (2) of the Regulations also state that the requirements relating to confined spaces within the Regulations refer to confined spaces that are under the PCBUs management or control. For this reason, confined spaces that are identified on site but that fall under the management or control of another PCBU have not been included in this report. Examples of such confined spaces include storm water drains and sewer pits (managed by the local water authority), and underground electrical substations (managed by the local power authority).

Further explanation of a confined space definition is explained in the figure on the next page.



Source: Compliance Code: Confined Spaces 2019

RISK ASSESSMENT

Risk assessments have been conducted for each confined space identified on site. The risk assessments considered the nature of the confined space, including its location, frequency of entry, work performed, the nature of the potential hazards present and the controls currently in place. Each identified potential hazard was risk assessed, based on the likelihood of an event occurring, and the consequence or outcome of that event in general terms. An overall risk rating of Low, Medium, High, Very High or Extreme was then assigned to each hazard using the provided risk assessment matrix (refer to Risk Matrix below).

The assessment of the risk is a subjective assessment and is to be used for guidance purposes in relation to selecting and implementing corrective actions.

Risk Matrix							
	CONSEQUENCE						
LIKELIHOOD	Insignificant	Minor	Moderate	Major	Catastrophic		
LIKELIHOOD	(No injuries)	(First aid only)	(Medical treatment)	(Extensive injuries, loss of production)	(Fatality / permanent disability)		
Almost Certain							
(Expected in most circumstances)	Medium	High	Very High	Extreme	Extreme		
Likely							
(Will probably occur in most circumstances)	Medium	High	Very High	Extreme	Extreme		
Possible							
(Might occur at some time)	Low	Medium	High	Very High	Extreme		
Unlikely	Low	Low	Madium	Lligh	Von High		
(Not likely to occur)	Low	Low	Medium	High	Very High		
Rare							
(May occur only in exceptional circumstances)	Low	Low	Medium	High	High		

Where the hazards associated with work in particular confined spaces are similar in nature, a group risk assessment has been prepared. Separate space specific risk assessments will be prepared for any confined spaces identified as having unique hazards or risks that are different to the group risk assessment.

Refer to **Appendix B** for confined space risk assessments.

FINDINGS

The following findings are based on the site inspection, discussions with site personnel, and review of relevant documentation:

• A total of 38 confined spaces were identified at the site.

- 8 of the confined spaces were appropriately signposted. The remaining 30 spaces were either not signposted or the signpost was faded and no longer clearly visible. Refer to the confined space register for specific details.
- All of the inspected confined spaces appeared to be appropriately secured from unauthorised access
 or within secure areas at the time of the assessment.
- The Mirvac Confined Space Entry Permit was made available for review. This included a requirement for the isolation of plant and services associated with confined spaces prior to any entry occurring.

Note: Refer to Appendix A for the confined space register and Appendix C for photographs.

6. RECOMMENDED ACTIONS

The following actions are recommended, based on the above findings:

- Ensure a task specific risk assessment is conducted within each confined space prior to commencing any works.
- Install appropriate confined space signage on all 30 confined spaces identified in the confined space
 register as having faded signage or not having any signage at all. Ensure the signage complies with
 AS 2865:2009 Confined Spaces, Section 3.2.2. Refer to Appendix D for examples of confined space
 safety signage.
- Ensure all staff and contractors working within areas containing confined spaces at the site are provided with appropriate information, instruction, and training to ensure they are able to work safely in these areas. It is recommended that this be managed within the site induction.
- Although it was not possible to access the spaces at the time of the inspection, they have been deemed to be a confined space (in order to take a precautionary approach) and should continue to be treated as such until confirmed as otherwise.
- Avoid entering the confined spaces if possible e.g. conduct cleaning/maintenance activities from outside etc.
- Ensure that the person responsible for the confined space work issues an entry permit prior to any persons entering the confined space.
- Ensure task specific emergency rescue procedures and equipment are available and readily accessible during any confined space work.
- All works and access in relation to confined spaces must be undertaken in accordance with the Work Health and Safety Regulation 2017 (NSW), the Code of Practice: Confined Spaces (SafeWork NSW, 2019) and AS 2865:2009 Confined Spaces.
- Tetra Tech is able to assist the client to implement the above recommended actions.

7. REFERENCES

- Work Health and Safety Act 2011 (NSW).
- Work Health and Safety Regulation 2017 (NSW).
- Code of Practice: Confined Spaces (SafeWork NSW, 2019).
- Australian Standard 2865:2009 Confined Spaces.

8. LIMITATIONS

This report and the associated services performed by Tetra Tech are in accordance with the scope of services set out in the contract between Tetra Tech and the Client. The scope of services was defined by the requests of the Client, by the time and budgetary constraints imposed by the Client, and by the availability of access to the site.

Tetra Tech derived the data in this report primarily from visual inspections, examination of available records, and interviews with individuals with relevant information about the site. In preparing this report, Tetra Tech has relied upon, and presumed accurate, certain information (or absence thereof) provided by government authorities, the Client and others identified herein. Except as otherwise stated in the report, Tetra Tech has not attempted to verify the accuracy or completeness of any such information.

No warranty, undertaking, or guarantee, whether expressed or implied, is made with respect to the data reported or to the findings, observations, and recommendations expressed in this report. Furthermore, such data, findings, observations, and recommendations are based solely upon existence at the time of the assessment. The passage of time, manifestation of latent conditions or impacts of future events (e.g. changes in legislation, scientific knowledge, land uses, etc.) may require further investigation at the site with subsequent data analysis and re-evaluation of the findings, observations, and recommendations expressed in this report.

This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the provisions of the agreement between Tetra Tech and the Client. Tetra Tech accepts no liability or responsibility whatsoever and expressly disclaims any responsibility for or in respect of any use of or reliance upon this report by any third party or parties. It is the responsibility of the Client to accept if the Client so chooses any recommendations contained within and implement them in an appropriate, suitable and timely manner.

APPENDIX A: CONFINED SPACES REGISTER

Confined Spaces Assessment

Confined Spaces Register								
Space ID	Туре	Level	Location / Comments	Secure	Signage	Dimensions	Risk Assessment	Photo
001- 004	Storm Water Pits x 4	G	Southeast carpark, west area	Yes	No	2m³	А	1
005- 006	Unknown Pit x 2	G	Southeast carpark, west area	Yes	Yes	Unknown	В	2
007- 010	Storm Water Pit x 4	G	Southeast carpark, east area	Yes	No	2m ³	А	3
011	Storm Water Pit	G	Southeast carpark, north area	Yes	No	2m ³	А	4
012	Unknown Pit	G	Southeast carpark, west grassed area adjacent to smoko area	Yes	No	Unknown	В	5
013	Storm Water Pit	G	Southeast carpark, central grassed area	Yes	No	2m ³	Α	6
014- 018	Storm Water Pit x 5	G	Eastern driveway	Yes	No	3m ³	А	7
019	Storm Water Pit	G	Northeast corner of site, adjacent road	Yes	No	10m ³	А	8
020- 023	Storm Water Pit x 4	G	Northern driveway	Yes	No	3m ³	А	9
024	Unknown Pit	G	Northern driveway, central, adjacent roller shutter	Yes	Yes	Unknown	В	10
025	Sewer Pit	G	Northern driveway, central	Yes	Yes	Unknown	С	11
026- 027	Unknown Pit x 2	G	Northern driveway, west area	Yes	Yes	Unknown	В	12

Confined Spaces Assessment

Confin	Confined Spaces Register									
Space ID	Туре	Level	Location / Comments	ation / Comments Secure Signage						
028- 029	Unknown Pit x 2	G	Northern driveway, west area, grassed area	rthern driveway, west area, grassed area Yes No Unknown				13		
030- 031	Sewer Pit x 2	G	Northern driveway, west corner	Yes	No	Unknown	С	14		
032- 033	Sewer Pit x 2	G	Western driveway, north corner	Yes	Yes	Unknown	С	15		
034	Sewer Pit	G	Western driveway, south side	Yes	Faded	Unknown	С	16		
035- 036	Unknown Pit x 2	G	Southern truck loading area, adjacent bay 536	Yes	No	Unknown	В	17		
037- 038	Unknown Pit x 2	G	Southern truck loading area, adjacent bay 546	Yes	No	Unknown	В	18		

APPENDIX B: CONFINED SPACE RISK ASSESSMENTS

Risk Assessment A: S	Storm M	lator Dit			
			YES		
•		ents of a Confined Space? e part of C is yes, then the space is a confined space	163		
and requires a risk assessm		part of 0 10 year, after the opase to a common opase			
A. Is the space designed or intended primarily not to be occupied by a person?					
person is in the space? C. Is the space likely to be	a risk to h	nealth and safety from:			
-		ave a safe oxygen level?	YES		
•		ne gases, vapours and dusts, that may cause injury	YES		
from fire or explosion		ie gases, vapours and dusts, that may cause injury	TEO		
	ns of any	airborne contaminants?	YES		
engulfment?Works to be completed:	Mainton	ance and inspection activities.	YES		
Comments:		to space is restricted. No access gained during assess	ment		
Hazard Types	Risk	Recommended Actions	mont.		
,	Rating				
Restricted entry and	VH	Wear a safety harness and remain connected to a lif	eline at		
egress in an emergency		all times. Ensure the standby person remains in constant cont	act with		
		person(s) entering the space.			
Oxygen deficiency whilst	VH	Monitor the atmosphere within the space prior to ent			
work in progress		Only enter the space if oxygen levels are within the strange (19.5% to 23.5%).	sale		
		Ventilate the space if required.			
		Continually monitor the atmosphere within the space	during		
Build-up or excess of	VH	entry. Monitor the atmosphere within the space prior to ent	erina.		
vapours such as		Purge and ventilate the space if required.	•		
hydrogen sulphide (H ₂ S) or carbon monoxide (CO)		Continually monitor the atmosphere within the space	during		
to concentrations above		entry.			
the workplace exposure					
standards (WES)	VH	Monitor the atmosphere within the space prior to ent	oring		
Build-up of organic vapours to within	VΠ	Purge and ventilate the space if required.	eririg.		
explosive limits		Only enter the space if the concentration of any flam	mable		
		vapours is less than 5% of its lower explosive limit.	during		
		Continually monitor the atmosphere within the space entry.	uuririg		
		Ensure no ignition sources are located within or intro	duced		
Airborne dust		into the space. No action required.			
concentrations above the	_	no action required.			
WES					
Radiation (non-ionising and ionising)	L	No action required.			
Noise generated at levels	L	No action required.			
above 85 dB(A)					

Hazard Types	Risk Rating	Recommended Actions
Uncontrolled introduction of substances (e.g. steam, water, gases etc.)	Ш	Isolate all services within the space. Ensure no vehicles operate in the vicinity of the entry. Ensure the standby person is monitoring external weather conditions and any other factors that could impact the confined space.
Engulfment	ш	Isolate all inflow pipes into the space. Wear a safety harness and remain connected to a lifeline at all times.
Manual handling of covers, lowering equipment into pits	M	Ensure a two-person lift or lifting device is used when lifting or removing covers. Use a winch to lower equipment into the space.
Mechanical hazards (e.g. entanglement, crushing, cutting, etc.)	L	No action required.
Skin contact with hazardous substances and surface contaminants	Η	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear).
Slips and trips	Н	Wear slip resistant boots.
Falls from height	VH	Wear a safety harness and remain connected to a lifeline at all times.
Electrical hazards	M	Portable electrical equipment should be protected through an RCD, located outside of the space.
Biological hazards (e.g. E-coli)	I	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear). Wash hands and face after exiting the space.
Lack of lighting	Н	Use appropriate and safe temporary lighting and/or torch within the space.
Heat and cold stress	L	No action required.

General Recommendations

- Avoid entering the confined space if possible e.g. conduct cleaning activities from outside etc.
- Ensure access to the confined space remains secure at all times.
- Only authorised personnel are to access the confined space.
- All works and access in relation to confined spaces must be undertaken in accordance with AS 2865-2009.
- Ensure that the person responsible for the confined space work issues an entry permit prior to any persons entering the confined space.
- Ensure contractors are appropriately trained to undertake confined space entry and standby duties.
- Ensure site specific emergency rescue procedures and equipment are available and readily accessible during any confined space work.
- Ensure contractor safe work method statement (SWMS) addresses traffic management and working at heights issues.
- Ensure suitable PPE is available and appropriately maintained.
- Ensure a task specific risk assessment is conducted within the space prior to commencing any works.
- Although it was not possible to access the space at the time of the assessment, it has been
 deemed to be a confined space (in order to take a precautionary approach) and should continue
 to be treated as such until confirmed as otherwise.

Risk Assessment B: Unknown Pit				
Does the space meet the re			YES	
-	-	part of C is yes, then the space is a confined space		
and requires a risk assessme	ent).			
A. Is the space designed or	intended	primarily not to be occupied by a person?	YES	
B. Is the space designed or intended to be, at normal atmospheric pressure while any person is in the space?				
C. Is the space likely to be a risk to health and safety from:				
an atmosphere that defined the definition of the definition o	oes not ha	ve a safe oxygen level?	YES	
 contaminants, including airborne gases, vapours and dusts, that may cause injury from fire or explosion? 				
harmful concentrations of any airborne contaminants?engulfment?YES				
Works to be completed:	Maintena	ance and inspection activities.		
Comments:	Access t	o space is restricted. No access gained during asses	sment.	
Hazard Types	Risk	Recommended Actions		
Destricted cutures and	Rating	NA/s and a sefert beaution and according to the date of	l:f = l: = -4	
Restricted entry and egress in an emergency	Е	Wear a safety harness and remain connected to a all times.	lifeline at	
egrees in an emergency		Ensure the standby person remains in constant cor	ntact with	
	_	person(s) entering the space.		
Oxygen deficiency whilst work in progress	Е	Monitor the atmosphere within the space prior to er Only enter the space if oxygen levels are within the		
Work in progress		range (19.5% to 23.5%).	Jaic	
		Ventilate the space if required.		
		Continually monitor the atmosphere within the space entry.	ce during	
Build-up or excess of	Е	Monitor the atmosphere within the space prior to er	ntering.	
vapours such as hydrogen sulphide (H ₂ S) or carbon		Purge and ventilate the space if required.	o during	
monoxide (CO) to		Continually monitor the atmosphere within the space entry.	e during	
concentrations above the				
workplace exposure				
standards (WES) Build-up of organic	Е	Monitor the atmosphere within the space prior to er	ntering.	
vapours to within explosive		Purge and ventilate the space if required.	J	
limits		Only enter the space if the concentration of any flat		
		vapours is less than 5% of its lower explosive limit. Continually monitor the atmosphere within the space		
		entry.	_	
		Ensure no ignition sources are located within or int	roduced	
Airborne dust		into the space. No action required.		
concentrations above the WES	_			
Radiation (non-ionising and ionising)	L	No action required.		
Noise generated at levels above 85 dB(A)	L	No action required.		
Uncontrolled introduction	Е	Isolate all services within the space.		
of substances (e.g. steam,		Ensure no vehicles operate in the vicinity of the ent		
water, gases etc.)		Ensure the standby person is monitoring external vector conditions and any other factors that could impact to		
		confined space.		

Hazard Types	Risk Rating	Recommended Actions
Engulfment	ш	Isolate all inflow pipes into the space. Wear a safety harness and remain connected to a lifeline at all times.
Manual handling of covers, lowering equipment into pits	M	Ensure a two-person lift or lifting device is used when lifting or removing covers. Use a winch to lower equipment into the space.
Mechanical hazards (e.g. entanglement, crushing, cutting, etc.)	M	Isolate all plant within the space.
Skin contact with hazardous substances and surface contaminants	I	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear).
Slips and trips	Н	Wear slip resistant boots.
Falls from height	VH	Wear a safety harness and remain connected to a lifeline at all times.
Electrical hazards	M	Portable electrical equipment should be protected through an RCD, located outside of the space.
Biological hazards (e.g. E-coli)	I	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear). Wash hands and face after exiting the space.
Lack of lighting	Н	Use appropriate and safe temporary lighting and/or torch within the space.
Heat and cold stress	L	No action required.

General Recommendations

- Avoid entering the confined space if possible e.g. conduct cleaning activities from outside etc.
- Ensure access to the confined space remains secure at all times.
- Only authorised personnel are to access the confined space.
- All works and access in relation to confined spaces must be undertaken in accordance with AS 2865-2009.
- Ensure that the person responsible for the confined space work issues an entry permit prior to any persons entering the confined space.
- Ensure contractors are appropriately trained to undertake confined space entry and standby duties.
- Ensure site specific emergency rescue procedures and equipment are available and readily accessible during any confined space work.
- Ensure contractor safe work method statement (SWMS) addresses traffic management and working at heights issues.
- Ensure suitable PPE is available and appropriately maintained.
- Ensure a task specific risk assessment is conducted within the space prior to commencing any works.
- Although it was not possible to access the space at the time of the assessment, it has been
 deemed to be a confined space (in order to take a precautionary approach) and should continue
 to be treated as such until confirmed as otherwise.

Risk Assessment C: Sewer Pit						
		ents of a Confined Space?	YES			
(If the answer to A, B and a	(If the answer to A, B and at least one part of C is yes, then the space is a confined space and requires a risk assessment).					
A. Is the space designed of	r intended	d primarily not to be occupied by a person?	YES			
B. Is the space designed or intended to be, at normal atmospheric pressure while any person is in the space?						
C. Is the space likely to be	C. Is the space likely to be a risk to health and safety from:					
an atmosphere that of	does not h	ave a safe oxygen level?	YES			
from fire or explosion harmful concentration	?	ne gases, vapours and dusts, that may cause injury airborne contaminants?	YES YES			
engulfment? Works to be completed:	Mainton	ance and inspection activities	YES			
Works to be completed: Comments:		ance and inspection activities. to space is restricted. No access gained during assess	ment			
Hazard Types	Risk	Recommended Actions	ment.			
Tiuzuiu Types	Rating	Recommended Actions				
Restricted entry and egress in an emergency	Е	Wear a safety harness and remain connected to a lifeline at all times. Ensure the standby person remains in constant contact with person(s) entering the space.				
Oxygen deficiency whilst work in progress	Е	Monitor the atmosphere within the space prior to entering. Only enter the space if oxygen levels are within the safe range (19.5% to 23.5%). Ventilate the space if required. Continually monitor the atmosphere within the space during entry.				
Build-up or excess of vapours such as hydrogen sulphide (H ₂ S) or carbon monoxide (CO) to concentrations above the workplace exposure standards (WES)	E	Monitor the atmosphere within the space prior to entering. Purge and ventilate the space if required. Continually monitor the atmosphere within the space during entry.				
Build-up of organic vapours to within explosive limits	VH	Monitor the atmosphere within the space prior to entering. Purge and ventilate the space if required. Only enter the space if the concentration of any flammable vapours is less than 5% of its lower explosive limit. Continually monitor the atmosphere within the space during entry. Ensure no ignition sources are located within or introduced into the space.				
Airborne dust concentrations above the WES	L	No action required.				
Radiation (non-ionising and ionising)	L	No action required.				
Noise generated at levels above 85 dB(A)	L	No action required.				
Uncontrolled introduction of substances (e.g. steam, water, gases etc.)	E	Isolate all services within the space. Ensure no vehicles operate in the vicinity of the entry Ensure the standby person is monitoring external we conditions and any other factors that could impact the confined space.	ather			

Hazard Types	Risk Rating	Recommended Actions
Engulfment	E	Isolate all inflow pipes into the space. Wear a safety harness and remain connected to a lifeline at all times.
Manual handling of covers, lowering equipment into pits	M	Ensure a two-person lift or lifting device is used when lifting or removing covers. Use a winch to lower equipment into the space.
Mechanical hazards (e.g. entanglement, crushing, cutting, etc.)	۔	No action required.
Skin contact with hazardous substances and surface contaminants	I	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear).
Slips and trips	Η	Wear slip resistant boots.
Falls from height	VH	Wear a safety harness and remain connected to a lifeline at all times.
Electrical hazards	M	Portable electrical equipment should be protected through an RCD, located outside of the space.
Biological hazards (e.g. E-coli)	I	Wear appropriate PPE (e.g. gloves, long sleeve shirt and pants, boots and eye wear). Wash hands and face after exiting the space.
Lack of lighting	Ι	Use appropriate and safe temporary lighting and/or torch within the space.
Heat and cold stress	L	No action required.

General Recommendations

- Avoid entering the confined space if possible e.g. conduct cleaning activities from outside etc.
- Ensure access to the confined space remains secure at all times.
- Only authorised personnel are to access the confined space.
- All works and access in relation to confined spaces must be undertaken in accordance with AS 2865-2009.
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- Ensure a task specific risk assessment is conducted within the space prior to commencing any works.
- Although it was not possible to access the space at the time of the assessment, it has been
 deemed to be a confined space (in order to take a precautionary approach) and should continue
 to be treated as such until confirmed as otherwise.

APPENDIX C: PHOTOGRAPHS



Photo 01. Southeast carpark, west area – storm water pits.



Photo 02. Southeast carpark, west area – unknown pits.



Photo 03. Southeast carpark, east area – storm water pits.



Photo 04. Southeast carpark, north area – storm water pit.



Photo 05. Southeast carpark, west grassed area adjacent to smoko area – unknown pit.



Photo 06. Southeast carpark, central grassed area – storm water pit.



Photo 07. Eastern driveway – storm water pits.



Photo 08. Northeast corner of site, adjacent road – storm water pit.



Photo 09. Northern driveway – storm water pits.



Photo 10. Northern driveway, central, adjacent roller shutter – unknown pit.



Photo 11. North driveway, central – sewer pit.



Photo 12. North driveway, west area – unknown pit.



Photo 13. Northern driveway, west area, grassed area – unknown pits.



Photo 14. Northern driveway, west corner – sewer pits.



Photo 15. Western driveway, north corner – sewer pits.



Photo 16. Western driveway, south side – sewer pit.

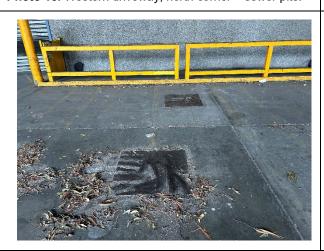


Photo 17. Southern truck loading area, adjacent bay 536 – unknown pits.

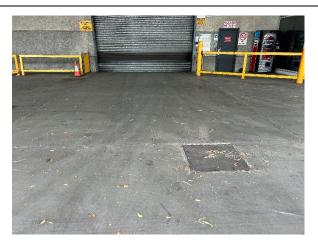


Photo 18. Southern truck loading area, adjacent bay 546 – unknown pits.

APPENDIX D: CONFINED SPACE SIGNAGE

Example A: Fixed confined space warning sign that can be established in a prominent position adjacent the confined space or on the access hatch.



Example B: Mobile confined space warning sign that can be established in a prominent position adjacent the confined space while works are in progress.

